Federal Funds for Research and Development

Fiscal Years 2000, 2001, and 2002

Volume 50

Detailed Statistical Tables

Division of Science Resources Statistics
Directorate for Social, Behavioral, and Economic Sciences

National Science Foundation

May 2002

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May 2002

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General Notes

Data in the tables of this publication were derived from the Survey of Federal Funds for Research and Development and cover fiscal years 2000–2002. They reflect research and development (R&D) funding levels as reported by 31 Federal agencies in March through November 2001. All agencies that were identified as conducting R&D programs were surveyed.

R&D totals in these tables are given in both outlays and obligations. The R&D obligation data are further categorized according to character of work (basic research, applied research, and development), performer, field of science or engineering (for research but not for development), and Federal R&D funding by State. Obligations for research performance at universities and colleges by fields of science or engineering are also shown, as are R&D plant data.

The amounts reported for each year are expressed in obligations or outlays incurred, or expected to be incurred, in that year, regardless of when the funds may have been authorized, appropriated, or received by an agency, and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

Data for 2000 are actual, representing completed transactions. Data for 2001 and 2002 are estimated because they do not represent final actions. The Survey of Federal Funds for Research and Development was conducted during the third quarter of fiscal year 2001. The amounts reported for 2001 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 2002 represent administration budget proposals that had not been acted on. Authorization, appropriation, deferral, and apportionment actions that were completed after these data were collected will be reflected in later surveys of this series.

Accuracy of the data depends in part on the judgment of the respondent. Since many agency R&D programs are not identified as budget-line items, agency officials must identify R&D and R&D plant activities within broader programs. Over the years personnel of the participating agencies have developed increasing skill and consistency in meeting the survey requirements, and their interaction with the National Science Foundation staff has considerably increased the reliability of the data.

Inquiries relating to *Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002*, Volume 50, should be directed to—

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SECTION A.
TECHNICAL NOTES

NOTE

For trend comparison, use only the historical data for fiscal years 1981–2002 contained in tables C-92 through C-111a in this Federal funds, Volume 50 series. These tables incorporate changes in prior-year data made by the agencies to reflect program reclassifications. Do not use data published earlier.

SECTION A.
TECHNICAL NOTES

SECTION A. TECHNICAL NOTES

SCOPE AND METHOD

During the period March through November 2001, a total of 31 Federal agencies and their subdivisions—93 individual respondents—submitted data in response to the National Science Foundation's (NSF's) annual Survey of Federal Funds for Research and Development (Federal funds survey), which was distributed in March 2001. The agencies reported their data as obligations and outlays incurred, or expected to be incurred, regardless of when the funds were appropriated or whether they were identified in the respondents' budgets specifically for research and development (R&D) activities.

Only those agencies that had obligations in the variables represented by a particular table appear in that table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with these agencies, refer to appendix B.

DEFINITIONS

The definitions are essentially unchanged from those used in past Federal funds surveys.

1. An **agency** is an organization of the Federal Government whose principal executive officer reports to the President. The Library of Congress is also included in the survey, even though its chief officer reports to Congress. **Subdivision** refers to any organizational unit of a reporting agency, such as a bureau, division, office, or service.

2. **Obligations** and **outlays** reported are consistent with figures shown for fiscal years 2000, 2001, and 2002 appearing in *The Budget of the United States Government, Fiscal Year 2002*. The R&D data in both agency submissions were based on the same definitions and are reconcilable.

   Obligations represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required.

   Outlays represent the amounts for checks issued and cash payments made during a given period, regardless of when the funds were appropriated.

   Obligations and outlays cover all transactions that occurred in fiscal year 2000 and those estimated for fiscal years 2001 and 2002.

   The data include all Federal funds available to an agency that the agency received or expects to receive from direct appropriations, trust funds, special account receipts, corporate income, or other sources, including funds appropriated to the President.

   The amounts shown for each year reflect obligations or outlays for that year regardless of when the funds were originally authorized or received and regardless of whether they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant.

   In reporting its obligations or outlays, **each agency includes the amounts transferred to other agencies for support of research and development. The receiving agencies do not report funds transferred to them.** Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such obligations or outlays as its own.

   Obligations and outlays for R&D performed for an agency in foreign countries include all funds available to the agency for this purpose, including funds separately appropriated for special foreign currency programs.

   Funds reported for research and development reflect full cost coverage. In addition to costs of specific R&D projects, the applicable overhead costs are also included. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

3. The **fiscal year** in the Federal Government accounting period begins October 1 of a given year and ends September 30 of the following year; thus, fiscal year 2000 began on October 1, 1999, and ended September 30, 2000.

4. **Research, development, and R&D plant** include all direct, incidental, or related costs resulting from, or necessary to, performance of R&D and costs of

R&D plant, defined as follows, regardless of whether the R&D is performed by a Federal agency (intramurally) or by private individuals and organizations under grant or contract (extramurally). R&D excludes routine product testing, quality control, mapping and surveys, collection of general purpose statistics, experimental production, and the training of scientific personnel.

a. **Research** is systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency.

   In **basic research** the objective of the sponsoring agency is to gain more complete knowledge or understanding of the fundamental aspects of phenomena and of observable facts, without specific applications toward processes or products in mind.

   In **applied research** the objective of the sponsoring agency is to gain knowledge or understanding necessary for determining the means by which a recognized need may be met.

b. **Development** is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

   To better differentiate between that part of the Federal R&D budget which supports "science and key enabling technologies" (including for military and nondefense applications) and that which primarily concerns "testing and evaluation" (of mostly defense-related systems), NSF now collects from the Department of Defense (DoD) development dollars in two categories, advanced technology development and major systems development.

   DoD uses service codes 6.1 through 6.7 to classify data into the survey categories. Within DoD's research categories, basic research is classified as 6.1 and applied research is classified as 6.2. Within DoD's development categories, advanced technology development is classified as 6.3A. Major systems development is classified as 6.3B through 6.7 and includes demonstration and validation, engineering and manufacturing development, management and support, and operational system development.

c. **Demonstration activities** that are part of R&D (i.e., that are intended to prove or to test whether a technology or method does in fact work) are included. Demonstrations intended primarily to make information available about new technologies or methods are excluded.

d. **R&D plant** (R&D facilities and fixed equipment, such as reactors, wind tunnels, and particle accelerators) includes acquisition of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land for use in R&D activities at Federal or non-Federal installations. Excluded from the R&D plant category are expendable or movable equipment (e.g., spectrometers, microscopes) and office furniture and equipment. Also excluded are the costs of predesign studies (e.g., those undertaken before commitment to a specific facility). These excluded costs are reported under "total conduct of research and development." Obligations for foreign R&D plant are limited to Federal funds for facilities that are located abroad and used in support of foreign research and development.

5. **Fields of science and engineering** in this survey consist of eight broad field categories, each consisting of a number of detailed fields. The broad fields are life sciences; psychology; physical sciences; environmental sciences; mathematics and computer sciences; engineering; social sciences; and other sciences, not elsewhere classified. The term "not elsewhere classified" (n.e.c.) is used for multidisciplinary projects within a broad field and for single-discipline projects for which a separate field has not been assigned. The following list presents the detailed fields grouped under each of the broad fields, together with illustrative disciplines of detailed fields.

   The illustrative disciplines are intended to be guidelines, not sharp definitions; they represent examples of disciplines generally classified under each detailed field. A discipline under one detailed field may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry, for example, might be reported as biological,

agricultural, or medical, depending on the orientation of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would fall under agricultural. In no case is the research reported under more than one field. No double-counting is intended or allowed.

a. **Life sciences** are concerned with the scientific study of living organisms and their systems. They consist of five detailed fields: biological (excluding environmental); environmental biology; agricultural; medical; and life sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

Biological (excluding environmental): anatomy; biochemistry; biology; biometry and biostatistics; biophysics; botany; cell biology; entomology and parasitology; genetics; microbiology; neuroscience (biological); nutrition; physiology; zoology; other biological, n.e.c.

Environmental biology: ecosystem sciences; evolutionary biology; limnology; physiological ecology; population and biotic community ecology; population biology; systematics; other environmental biology, n.e.c.

Agricultural: agronomy; animal sciences; food science and technology; fish and wildlife; forestry; horticulture; phytopathology; phytoproduction; plant sciences; soils and soil science; general agriculture; other agriculture, n.e.c.

Medical: dentistry; internal medicine; neurology; obstetrics and gynecology; ophthalmology; otolaryngology; pathology; pediatrics; pharmacology; pharmacy; preventive medicine; psychiatry; radiology; surgery; veterinary medicine; other medical, n.e.c.

Life sciences, n.e.c.

b. **Psychology** deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology in this survey is divided into three categories: biological aspects; social aspects; and psychological sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

Biological aspects: animal behavior; clinical psychology; comparative psychology; ethology; experimental psychology

Social aspects: development and personality; educational, personnel, and vocational psychology and testing; industrial and engineering psychology; social psychology

Psychological sciences, n.e.c.

c. **Physical sciences** are concerned with understanding of the material universe and its phenomena. They comprise the fields of astronomy; chemistry; physics; and physical sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Astronomy: laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, and neutrino astronomy

Chemistry: inorganic; organic; organometallic; physical

Physics: acoustics; atomic and molecular; condensed matter; elementary particle; nuclear structure; optics; plasma

Physical sciences, n.e.c.

d. **Environmental sciences** (terrestrial and extraterrestrial) are, with one exception, concerned with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect human survival and welfare. The one exception is that obligations for studies pertaining to life in the sea or other bodies of water are reported as support of oceanography and not biology. Environmental sciences comprise the fields of atmospheric sciences; geological sciences; oceanography; and environmental sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Atmospheric sciences: aeronomy; extraterrestrial atmospheres; meteorology; solar; weather modification

Geological sciences: engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry;

isotopic geochemistry; laboratory geophysics; organic geochemistry; paleomagnetism; paleontology; physical geography and cartography; seismology

Oceanography: biological oceanography; chemical oceanography; marine geophysics; physical oceanography

Environmental sciences, n.e.c.

e. **Mathematics and computer sciences** employ logical reasoning with the aid of symbols and are concerned with the development of methods of operation employing such symbols and, in the case of computer sciences, with the application of such methods to automated information systems. Examples of disciplines under these fields are as follows:

Mathematics: algebra; analysis; applied mathematics; foundations and logic; geometry; numerical analysis; statistics; topology

Computer sciences: computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; programming languages; systems analysis

Mathematics and computer sciences, n.e.c.

f. **Engineering** is concerned with studies directed toward developing engineering principles or toward making specific principles usable in engineering practice. Engineering in this survey is divided into eight fields: aeronautical; astronautical; chemical; civil; electrical; mechanical; metallurgy and materials; and engineering, n.e.c. Examples of disciplines under each of these fields are as follows:

Aeronautical: aerodynamics

Astronautical: aerospace; space technology

Chemical: petroleum; petroleum refining process

Civil: architectural; hydraulic; hydrologic; marine; sanitary and environmental; structural; transportation

Electrical: communication; electronic; power

Mechanical: engineering mechanics

Metallurgy and materials: ceramic; mining; textile; welding

Engineering, n.e.c.: agricultural; bioengineering; biomedical; industrial and management; nuclear; ocean; systems

g. **Social sciences** are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences include anthropology; economics; political science; sociology; and social sciences, n.e.c. Examples of disciplines under the fields of social science are as follows:

Anthropology: applied anthropology; archaeology; cultural and personality; social and ethnology

Economics: economic systems and development; econometrics and economic statistics; history of economic thought; industrial, labor, and agricultural economics; international economics; macroeconomics; microeconomics; public finance and fiscal policy; theory

Political science: area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration

Sociology: comparative and historical; complex organizations; culture and social structure; demography; group interactions; social problems and social welfare; sociological theory

Social sciences, n.e.c.: linguistics; research in education; research in history; research in law (e.g., attempts to assess impact on society of legal systems and practices); socioeconomic geography

h. **Other sciences, n.e.c.:** This category is used for multidisciplinary or inter-disciplinary projects that cannot be classified within one of the broad fields of science already listed.

6. A **performer** is either an intramural group or organization carrying out an operational function or an extra-

mural organization or person receiving support or providing services under a contract or grant.

a. **Intramural performers** are the agencies of the Federal Government. Their work is carried on directly by agency personnel. Obligations reported under this category are for activities performed or to be performed by the reporting agency itself or represent funds that the agency transfers to another Federal agency for performance of work **as long as the ultimate performer is that agency or any Federal agency.** If the ultimate performer is not a Federal agency, the funds so transferred are reported by the transferring agency under the appropriate extramural performer category (universities and colleges, other nonprofit institutions, or industrial firms).

   NOTE: Intramural activities cover not only the actual intramural R&D performance, but also the costs associated with the planning and administration of both intramural and extramural programs by Federal personnel. Intramural activities also include the costs of supplies and equipment, essentially of an "off-the-shelf" nature, that are procured for use in intramural R&D. For example, the purchase from an extramural source of an operational launch vehicle (i.e., one that has gone beyond the development or prototype stage) that is used for intramural performance of R&D is reported as a part of the cost of intramural R&D.

b. **Extramural performers** are organizations outside the Federal sector that perform R&D with Federal funds under contract, grant, or cooperative agreement. Only those costs associated with actual R&D performance are reported, but these costs would include costs of materials and supplies to carry out R&D activities. Note, however, that the costs of off-the-shelf supplies and equipment required to support intramural R&D and procured from extramural suppliers are considered as part of the costs of intramural performance and not as part of the costs of extramural performance. Extramural performers are identified as follows:

   i. **Industrial firms:** Organizations that may legally distribute net earnings to individuals or to other organizations.

   ii. **Universities and colleges:** Institutions of higher education in the United States that offer at least 1 year of college-level study leading toward a degree. Included are colleges of liberal arts; schools of arts and sciences; professional schools, as in engineering and medicine, including affiliated hospitals and associated research institutes; and agricultural experiment stations.

   iii. **Other nonprofit institutions:** Private organizations other than educational institutions whose net earnings in no part inure to the benefit of a private stockholder or individual and other private organizations organized for the exclusive purpose of turning over their entire net earnings to such nonprofit organizations.

   iv. **Federally funded research and development centers (FFRDCs):** R&D-performing organizations that are exclusively or substantially financed by the Federal Government and are supported by the Federal Government either to meet a particular R&D objective or, in some instances, to provide major facilities at universities for research and associated training purposes. Each center is administered either by an industrial firm, a university, or another nonprofit institution.

   In general, all of the following criteria are met by an organization that is included in the FFRDC category:

   (1) Its primary activities include one or more of the following: basic research, applied research, development, or management of research and development (specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination);

   (2) It is a separate operational unit within the parent organization or is organized as a separately incorporated organization;

   (3) It performs actual research and development or R&D management either upon direct request by the Federal Government or under a broad charter from the Federal Government but in either case

under the direct monitorship of the Federal Government;

(4) It receives its major financial support (70 percent or more) from the Federal Government, usually from one agency;

(5) It has, or is expected to have, a long-term relationship with its sponsoring agency (about 5 years or more), as evidenced by specific obligations assumed by it and the agency;

(6) Most or all of its facilities are owned by, or are funded under contract with, the Federal Government; and

(7) It has an average annual budget (operating and capital equipment) of at least $500,000.

v. **State and local governments:** State and local government agencies, excluding State or local universities and colleges, agricultural experiment stations, medical schools, and affiliated hospitals. (Federal R&D funds obligated directly to such State and local institutions excluded in this category are included under the "Universities and colleges" category in this report.) R&D activities under the State and local category are performed either by the State or local agencies themselves or by other organizations under grants or contracts from such agencies. Regardless of the ultimate performer, Federal R&D funds directed to State and local governments are reported under this sector and no other.

vi. **Foreign performers:** Foreign citizens, foreign organizations, or foreign governments, as well as international organizations (such as the North Atlantic Treaty Organization (NATO), United Nations Educational, Scientific, and Cultural Organization (UNESCO), and World Health Organization (WHO)), performing R&D work abroad financed by the Federal Government. Excluded from the survey are U.S. agencies, organizations, or citizens performing R&D abroad for the Federal Government; the survey does not seek information on "offshore" payments. An exception in the past was made in the case of U.S. citizens performing R&D abroad under special foreign currency funds; these activities were included under "Foreign performers," but have not been collected since FY 1995. Foreign scientists performing in the United States are excluded, however.

vii. **Private individuals:** For cases wherein an R&D grant or contract is awarded directly to a private individual, obligations incurred are placed under "Industrial firms."

7. **Federal obligations for research performed at universities and colleges, by detailed field of science:** Only six agencies are required to respond to the portion of the survey covering the funding of research at universities and colleges by detailed field of science. These six agencies represent approximately 97 percent of the Federal research obligations to universities and colleges. The six agencies are the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration (NASA); and the National Science Foundation (NSF).

8. **Geographic distribution of FY 2000 R&D obligations**

a. Only the 10 largest R&D funding agencies are required to respond to the portion of the survey covering the geographic distribution of obligations for research and development and R&D plant. These 10 agencies accounted for approximately 98 percent of total Federal R&D and R&D plant obligations in FY 2000. The respondents are the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, the Interior, and Transportation; the Environmental Protection Agency; NASA; and NSF.

b. Actual fiscal year 2000 data were requested in terms of the principal location (State or outlying area) where the work was performed by the primary contractor, grantee, or intramural organization. When this information was not available in their records, the respondents were asked to assign the obligations to the State, outlying area, or U.S. offices abroad where the headquarters of the U.S. primary contractor, grantee, or intramural organization was located.

c. Obligations for basic research, applied research, and development were reported as a combined R&D amount for non-Department of Defense (DoD) agencies. However, DoD agencies break out development obligations by advanced technology development and major systems development. Therefore, obligations for basic research, applied research, advanced technology development, and major system development were reported as a combined R&D amount for DoD agencies.

   Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

d. Specifically omitted from the geographic portion of the survey were R&D obligations to foreign performers and support of foreign performers. Foreign performer data, by country, are reported in a separate section of the Federal funds survey.

Changes in Reporting

While completing the survey each year, agency respondents make revisions to their estimates for the latest 2 years of the previous report, in this case fiscal years 2000 and 2001. Such revision is part of the budgetary cycle. From time to time, survey submissions also reflect reappraisals and revisions in classification of various aspects of agencies' R&D programs. When such revisions occur, NSF requests that the agencies provide revised prior-year data to maintain consistency and comparability with the most recent concepts.

Changes in the Scope of the Survey

The scope of the Federal funds survey has changed over time, and the survey instrument has been revised accordingly. The most recent changes are described in the following paragraphs.

Since the Volume 40 (FYs 1990–92) survey cycle, the Department of Defense (DoD) has reported research obligations separate from the development obligations. Tables reporting obligations for research, by State and performer, and obligations for development, by State and performer, were specifically created for DoD. The additional detail provided by DoD highlights the following circumstances that are specific to DoD:

- DoD funds the preponderance of Federal development.
- DoD development funded at institutions of higher education is typically performed at university-affiliated non-academic laboratories that are separate from the universities' academic departments where university research is typically performed.

During the Volume 44 (FYs 1994–96) survey cycle, the Director for Defense Research and Engineering (DDR&E) at DoD requested that NSF further clarify the true character of DoD's R&D program, particularly as it compares with other Federal agencies, by adding more detail to development obligations reported by DoD respondents. Specifically, DoD requested that NSF allow DoD agencies to report development obligations in two separate categories, advanced technology development and major systems development.

The reasoning behind DDR&E's request for the additional development categories is best explained by the following excerpt from a letter written by Robert V. Tuohy, Chief, Program Analysis and Integration at DDR&E, to John E. Jankowski, Program Director, Research and Development Statistics Program, SRS:

> The DoD's R&D program is divided into two major pieces, Science and Technology (S&T) and Major Systems Development. The other Federal agencies' entire R&D programs are equivalent in nature to DoD's S&T program, with the exception of the Department of Energy and possibly NASA. Comparing those other agency programs to DoD's program, including the development of weapons systems such as F-22 Fighter and the New Attack Submarine, is misleading.

At several annual issues workshops held during FYs 1992–96, NSF learned from survey respondents that there were certain Federal funds survey data items for which reliable data were difficult to obtain and report. As a result, NSF began to consider removing certain items from the Federal funds survey instrument. The Volume 42 Detailed Statistical Tables publication was distributed with a flier notifying data users that NSF was considering eliminating several items from future volumes of the document. Data users were asked to review the list of affected tables shown on the flier, and to comment on the proposed eliminations to NSF.

Prior to the publication of the Volume 43 (FYs 1993–95) edition of the Detailed Statistical Tables, NSF decided to remove 54 tables from the document that depicted data on two of the items slated for elimination: data for the special foreign currency program, and detailed field of S&E data for estimated outyears. NSF continued to collect data from Federal agencies for these items through Volume 45, but eliminated the special foreign currency program and outyears' detailed field of S&E lines on the survey instrument beginning with the Volume 46 (FYs 1996–98) survey cycle. A special flier was included in the Volume 46 mailout packet that listed the data items that were no longer required.

NSF also decided to remove two tables depicting data on foreign performers by region, country, and agency prior to publication of the Volume 43 edition of the Detailed Statistical Tables. These tables have been reinstated since Volume 46.

Prior to the Volume 48 survey cycle, the National Science Foundation's Division of Science Resources Statistics updated the list of foreign performers in the Federal funds survey to match the list of countries and territories in the 1996 UNESCO Statistical Yearbook.

Limitations of the Data

Funds for research and development were reported on a 3-year basis comparable with the 2000 budget, upon which the data were based. The amounts reported for each year, as already stated, are the obligations or outlays incurred in that year, regardless of when funds were authorized or received by an agency and regardless of whether the funds were identified in the agency's budget specifically for research, development, R&D plant, or some combination of the three.

The respondents reconciled the data reported to the Federal funds survey with the amounts for R&D they reported under Max Schedule C to the Office of Management and Budget for the 2002 President's budget.

Some agencies are not able to report the full costs of research and development. For example, the headquarters costs of planning and administering R&D programs of the DoD (estimated at a fraction of 1 percent of the agency's R&D total) are excluded, because this agency has stated that identification of the amounts is impracticable.

R&D plant data are also underreported to some extent because of the difficulty encountered by some agencies, particularly DoD and NASA, in identifying and reporting these data. DoD's respondents report obligations for the R&D plant funded under the agency's construction appropriation, but they are able to identify only a small portion of the R&D plant support that is within R&D contracts funded from DoD's appropriation for research, development, testing, and evaluation. Similarly, NASA respondents cannot separately identify the portions of industrial R&D contracts that apply to R&D plant; R&D plant data are subsumed in the R&D data covering industrial performance. NASA R&D plant data for other performing sectors are reported separately.

Beginning in FY 2000, NASA reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant. Also, the National Institutes of Health (NIH) classified all of its development activities as research beginning in FY 2000. For more information on the classification changes at NASA and NIH, refer to the InfoBrief, "Classification Revisions Reduced Reported Federal Development Obligations," NSF 02-309, February 2002, available on the web at http://www.nsf.gov/sbe/srs/.

Section B.

Federally Funded Research and Development Centers, by Agency and Type of Administration

The following is the master list of federally funded research and development centers (FFRDCs) included in the Federal funds survey for fiscal years 2000–2002. The list is arranged by sponsoring agency and administering organization. Respondents reported under the FFRDC category those funds obligated to centers identified on this list. Note that the FFRDC administrators are listed in parentheses.

Federally funded research and development centers, by agency and type of administration

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
DEPARTMENT OF DEFENSE:[3] Office of the Secretary of Defense[4]	Software Engineering Institute[4] (Carnegie Mellon University), Pittsburgh, PA	Institute for Defense Analyses Studies and Analyses FFRDC (Institute for Defense Analyses), Alexandria, VA National Defense Research Institute (RAND Corporation[5]), Santa Monica, CA C3I Federally Funded Research and Development Center (MITRE Corporation[6]), Bedford, MA, and McLean, VA	
National Security Agency		Institute for Defense Analyses Communications and Computing Federally Funded Research and Development Center[7] (Institute for Defense Analyses), Alexandria, VA	
Department of the Navy		Center for Naval Analyses (The CNA Corporation), Alexandria, VA	
Department of the Air Force	Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, MA	Aerospace Federally Funded Research and Development Center (The Aerospace Corporation), El Segundo, CA Project Air Force (RAND Corporation[5]), Santa Monica, CA	
Department of the Army[8]		Arroyo Center (RAND Corporation[5]), Santa Monica, CA	
DEPARTMENT OF ENERGY[9]	Ames Laboratory (Iowa State University of Science and Technology), Ames, IA Argonne National Laboratory (University of Chicago), Argonne, IL Ernest Orlando Lawrence Berkeley National Laboratory (University of California), Berkeley, CA	Brookhaven National Laboratory[10] (Brookhaven Science Associates, Inc.), Upton, Long Island, NY National Renewable Energy Laboratory[11] (Midwest Research Institute), Golden, CO Oak Ridge National Laboratory (UT-Battelle, LLC), Oak Ridge, TN[12] Pacific Northwest National Laboratory (Battelle Memorial Institute), Richland, WA	Idaho National Engineering and Environmental Laboratory (Bechtel BWX Technologies Idaho, LLC), Idaho Falls, ID Sandia National Laboratories (Sandia Corporation, a subsidiary of Lockheed Martin Corporation), Albuquerque, NM Savannah River Technology Center (Westinghouse Savannah River Co.), Aiken, SC

See explanatory information, if any, and SOURCE at end of table.

Federally funded research and development centers, by agency and type of administration

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
DEPARTMENT OF ENERGY, continued	Fermi National Accelerator Laboratory (Universities Research Association, Inc.), Batavia, IL Lawrence Livermore National Laboratory (University of California), Livermore, CA Los Alamos National Laboratory (University of California), Los Alamos, NM Princeton Plasma Physics Laboratory (Princeton University), Princeton, NJ Stanford Linear Accelerator Center (Leland Stanford Junior University), Stanford, CA Thomas Jefferson National Accelerator Facility[12] (Southeastern Universities Research Association, Inc.), Newport News, VA		
DEPARTMENT OF HEALTH AND HUMAN SERVICES: National Institutes of Health			National Cancer Institute at Frederick[13] (Science Applications International Corporation; Charles River Laboratories, Inc.; Data Management Services, Inc.), Frederick, MD
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Jet Propulsion Laboratory (California Institute of Technology), Pasadena, CA		
NATIONAL SCIENCE FOUNDATION	National Astronomy and Ionosphere Center (Cornell University), Arecibo, PR National Center for Atmospheric Research (University Corporation for Atmospheric Research), Boulder, CO National Optical Astronomy Observatories[15] (Association of Universities for Research in Astronomy, Inc.), Tucson, AZ National Radio Astronomy Observatory (Associated Universities, Inc.), Green Bank, WV	The Science and Technology Policy Institute[14] (RAND Corporation[5]), Washington, DC	

See explanatory information, if any, and SOURCE at end of table.

Federally funded research and development centers, by agency and type of administration

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
NUCLEAR REGULATORY COMMISSION		Center for Nuclear Waste Regulatory Analyses (Southwest Research Institute), San Antonio, TX	
DEPARTMENT OF TRANSPORTATION: Federal Aviation Administration		Center for Advanced Aviation System Development (MITRE Corporation[6]), McLean, VA	
DEPARTMENT OF THE TREASURY:[16] Internal Revenue Service		Internal Revenue Service (IRS) Federally Funded Research and Development Center (MITRE Corporation[6]), McLean, VA	

[1] Includes university consortia

[2] That is, other than universities and colleges

[3] The Department of Defense decertified Logistics Management Institute of McLean, VA as an FFRDC, effective September 24, 1998.

[4] In June 1997, the Office of the Secretary of Defense became the sponsor of the Software Engineering Institute. The previous sponsor was the Defense Advanced Research Projects Agency.

[5] The following portions of the RAND Corporation are FFRDCs: National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff) the Arroyo Center, and the Science and Technology Policy Institute (formerly Critical Technologies Institute). All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

[6] Only the C3I Federally Funded Research and Development Center (FFRDC), the Center for Advanced Aviation System Development, and the Internal Revenue Service (IRS) Federally Funded Research and Development Center (FFRDC) parts of the MITRE Corporation are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

[7] Although the Institute for Defense Analyses Communications and Computing FFRDC has been in existence since 1956, the Department of Defense added it to the Master Government List of FFRDCs for the first time in October 1995.

[8] The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX, as an FFRDC in November 1993.

[9] The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs (1) the Energy Technology Engineering Center in November 1995, (2) the Inhalation Toxicology Research Institute in May 1996, and (3) the Oak Ridge Institute for Science Education (ORISE) in February 1999.

[10] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

[11] In September 1991 the name was changed from Solar Energy Research Institute.

[12] In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility. On April 1, 2000, Oak Ridge National Laboratory acquired a new nonprofit administrator (UT-Battelle, LLC). The previous administrator was the industrial firm Lockheed Martin Energy Research Corporation.

[13] In 2000, the name was changed from NCI Frederick Cancer Research and Development Center. It continues to be an FFRDC.

[14] On October 1, 1998, the Critical Technologies Institute was renamed the Science and Technology Policy Institute.

[15] Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

[16] In October 1988, the Tax Systems Modernization Institute of Lanham, MD (IIT Research Institute) was replaced with the Internal Revenue Service (IRS) Federally Funded Research and Development Center (FFRDC), administered by the MITRE Corporation of McLean, VA.

SOURCE: National Science Foundation/Division of Science Resources Statistics
Updates of this list and an annotated list of FFRDCs are available at http://www.nsf.gov/sbe/srs/ffrdc/start.htm.

SECTION C.

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TABLE NOTES

- Because of rounding, detail may not add to totals.

- Dashes or asterisks appearing in lieu of figures indicate that the amounts are less than 50 thousand dollars or less than 0.5 percent.

- The abbreviation “FFRDCs” appearing in statistical tables refers to federally funded research and development centers.

- In tables showing extramural performers, obligations of the U.S. Department of Agriculture to agricultural experiment stations are included within obligations to universities and colleges.

- Defense agencies within the Department of Defense include the Ballistic Missile Defense Organization, the Chemical and Biological Defense, the Defense Advanced Research Projects Agency, the Defense Information Systems Agency, the Defense Logistics Agency, the Defense Threat Reduction Agency, the Joint Staff, the Special Operations Command, the TRICARE Management Activity, and the Washington Headquarters Services.

- Data for only those agencies that had obligations in the variables represented by a particular table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in a particular table, refer to appendix B.

Table C-1. Federal obligations for research and development, by character of work, and R&D plant: fiscal years 1951-2002

[Dollars in thousands]

Fiscal years	Total	Total research and development	Research		Development	R&D plant
			Basic	Applied		
1951	1,851,571	1,521,527	NA	NA	NA	330,044
1952	2,216,848	1,909,665	120,945	NA	NA	307,183
1953	2,167,456	1,919,543	115,997	NA	NA	247,913
1954	1,918,046	1,761,840	116,033	NA	NA	156,206
1955	2,251,894	2,044,593	130,068	NA	NA	207,301
1956	3,266,903	2,988,203	206,441	645,506	2,136,256	278,700
1957	4,389,237	3,932,001	262,348	662,199	3,007,454	457,236
1958	4,906,015	4,569,722	334,543	744,264	3,490,915	336,293
1959	7,122,610	6,693,510	465,981	874,272	5,353,257	429,100
1960	8,080,015	7,551,746	590,374	1,282,135	5,679,237	528,269
1961	9,607,023	9,058,623	814,513	1,663,431	6,580,679	548,400
1962	11,069,059	10,289,947	986,314	2,018,481	7,285,152	779,112
1963	13,662,879	12,494,611	1,151,753	2,356,150	8,986,708	1,168,268
1964	15,323,870	14,225,354	1,303,000	2,571,452	10,350,902	1,098,516
1965	15,745,852	14,614,249	1,435,469	2,811,761	10,367,019	1,131,603
1966	16,178,640	15,320,334	1,579,181	3,081,066	10,660,087	858,306
1967	17,149,186	16,529,099	1,845,847	2,785,543	11,897,709	620,087
1968	16,525,038	15,921,208	1,840,562	2,940,500	11,140,146	603,830
1969	16,309,900	15,640,888	1,944,773	2,700,117	10,995,998	669,012
1970	15,863,385	15,338,937	1,925,908	2,974,890	10,438,139	524,448
1971	16,153,756	15,542,512	1,980,141	3,143,030	10,419,341	611,244
1972	17,097,951	16,495,895	2,186,937	3,360,759	10,948,199	602,056
1973	17,574,486	16,800,153	2,232,006	3,349,423	11,218,724	774,333
1974	18,176,457	17,410,128	2,387,681	3,787,559	11,234,888	766,329
1975	19,859,548	19,038,818	2,588,427	4,141,281	12,309,110	820,730
1976	21,616,382	20,779,658	2,767,454	4,851,878	13,160,326	836,724
1977	24,817,577	23,450,377	3,258,640	5,255,475	14,936,262	1,367,200
1978	27,140,849	25,845,137	3,698,604	5,908,154	16,238,379	1,295,712
1979	29,620,597	28,145,142	4,192,665	6,342,340	17,610,137	1,475,455
1980	31,386,095	29,830,432	4,674,156	6,923,222	18,233,054	1,555,663
1981	34,589,634	33,103,924	5,041,295	7,171,485	20,891,144	1,485,710
1982	37,822,363	36,432,589	5,481,605	7,540,580	23,410,404	1,389,774
1983	40,009,032	38,711,537	6,260,131	7,993,394	24,458,012	1,297,495
1984	44,012,149	42,224,865	7,067,359	7,911,414	27,246,092	1,787,284
1985	50,180,369	48,359,565	7,818,682	8,314,739	32,226,144	1,820,804
1986	52,951,181	51,412,364	8,153,076	8,349,123	34,910,165	1,538,817
1987	57,099,656	55,253,693	8,942,425	8,998,096	37,313,172	1,845,963
1988	58,826,512	56,769,425	9,473,618	9,176,527	38,119,280	2,057,087
1989	63,571,605	61,406,484	10,602,011	10,163,520	40,640,953	2,165,121
1990	65,831,189	63,559,471	11,285,593	10,336,771	41,937,107	2,271,718
1991	64,147,951	61,295,152	12,170,794	11,797,583	37,326,775	2,852,799
1992	68,577,184	65,592,590	12,489,864	12,000,734	41,101,992	2,984,594
1993	70,414,697	67,314,025	13,399,121	13,491,376	40,423,528	3,100,672
1994	69,450,776	67,235,390	13,523,476	13,887,733	39,824,181	2,215,386
1995	70,442,935	68,186,798	13,877,031	14,557,365	39,752,402	2,256,137
1996	69,399,164	67,653,047	14,464,035	13,795,729	39,393,283	1,746,117
1997	71,753,430	69,826,779	14,941,892	14,423,397	40,461,490	1,926,651
1998	73,913,988	72,100,724	15,613,012	15,309,257	41,178,455	1,813,264
1999	77,386,368	75,340,622	17,443,653	16,083,861	41,813,108	2,045,746
2000	77,356,085	72,863,238	19,569,849	18,900,701	34,392,688	4,492,847
2001 (Preliminary)	85,452,177	80,898,068	22,704,680	21,131,300	37,062,088	4,554,109
2002 (Preliminary)	84,938,444	80,645,451	23,399,291	21,927,617	35,318,543	4,292,993

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

NOTES: Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-2. Summary of Federal funds for research and development and for R&D plant: fiscal years 2000, 2001, and 2002

[Dollars in millions]

Character of work, performers, and field	2000	Preliminary			
		2001	Percent change 2000-2001	2002	Percent change 2001-2002
Total outlays for research and development and for R&D plant	74,077.0	80,159.4	8.2	82,814.4	3.3
Research and development	69,807.3	75,676.5	8.4	78,334.9	3.5
R&D plant	4,269.7	4,482.9	5.0	4,479.5	-.1
Total obligations for research and development and for R&D plant	77,356.1	85,452.2	10.5	84,938.4	-.6
Research and development, total	72,863.2	80,898.1	11.0	80,645.5	-.3
By performers:					
Intramural[1]	17,149.8	18,719.5	9.2	18,285.2	-2.3
Industrial firms	27,735.5	30,323.3	9.3	29,815.0	-1.7
FFRDCs administered by industrial firms	1,100.9	1,446.2	31.4	1,397.4	-3.4
Universities and colleges	16,815.1	19,614.9	16.7	20,198.9	3.0
FFRDCs administered by universities and colleges	4,053.2	4,367.8	7.8	4,213.8	-3.5
Other nonprofit institutions	4,216.6	4,818.3	14.3	5,090.9	5.7
FFRDCs administered by nonprofit institutions	1,231.5	1,117.2	-9.3	1,118.9	.2
State and local governments	224.0	256.6	14.5	269.3	4.9
Foreign	336.7	234.3	-30.4	256.1	9.3
Research, total	38,470.5	43,836.0	13.9	45,326.9	3.4
By performers:					
Intramural[1]	9,449.6	10,433.2	10.4	10,701.1	2.6
Industrial firms	4,801.2	5,454.5	13.6	5,706.9	4.6
FFRDCs administered by industrial firms	700.3	887.5	26.7	889.3	.2
Universities and colleges	16,015.9	18,773.4	17.2	19,495.4	3.8
FFRDCs administered by universities and colleges	2,773.2	3,040.4	9.6	2,940.3	-3.3
Other nonprofit institutions	3,719.8	4,255.9	14.4	4,586.1	7.8
FFRDCs administered by nonprofit institutions	696.1	658.1	-5.5	655.2	-.4
State and local governments	162.5	184.1	13.3	203.3	10.4
Foreign	152.0	148.9	-2.0	149.3	.2
By fields of science:					
Life sciences	17,964.7	21,118.1	17.6	22,204.3	5.1
Psychology	1,626.7	1,870.8	15.0	2,075.3	10.9
Physical sciences	4,787.9	5,162.9	7.8	5,144.8	-.4
Environmental sciences	3,328.8	3,660.6	10.0	3,644.2	-.4
Mathematics and computer sciences	2,205.6	2,458.3	11.5	2,617.9	6.5
Engineering	6,346.4	7,090.6	11.7	7,031.5	-.8
Social sciences	1,050.3	1,216.2	15.8	1,271.0	4.5
Other sciences, n.e.c.	1,160.2	1,258.6	8.5	1,338.0	6.3
Basic research, total	19,569.8	22,704.7	16.0	23,399.3	3.1
By performers:					
Intramural[1]	3,621.8	3,953.7	9.2	4,270.8	8.0
Industrial firms	1,356.5	1,862.3	37.3	1,828.2	-1.8
FFRDCs administered by industrial firms	171.3	229.9	34.2	243.9	6.1
Universities and colleges	10,056.7	11,894.7	18.3	12,178.2	2.4
FFRDCs administered by universities and colleges	1,674.0	1,822.9	8.9	1,687.5	-7.4
Other nonprofit institutions	1,985.3	2,263.8	14.0	2,507.4	10.8
FFRDCs administered by nonprofit institutions	521.6	491.9	-5.7	497.6	1.1
State and local governments	75.7	87.3	15.4	94.8	8.5
Foreign	106.9	98.1	-8.2	90.9	-7.3
By fields of science:					
Life sciences	10,049.0	11,951.7	18.9	12,537.6	4.9
Psychology	817.8	944.0	15.4	1,044.9	10.7
Physical sciences	3,470.6	3,852.2	11.0	3,835.5	-.4
Environmental sciences	1,838.4	2,058.4	12.0	2,055.6	-.1
Mathematics and computer sciences	798.3	923.1	15.6	927.5	.5
Engineering	1,764.2	2,071.8	17.4	2,024.8	-2.3
Social sciences	308.0	341.7	10.9	355.1	3.9
Other sciences, n.e.c.	523.6	561.7	7.3	618.3	10.1

See explanatory information, if any, and SOURCE at end of table.

Table C-2. Summary of Federal funds for research and development and for R&D plant: fiscal years 2000, 2001, and 2002

[Dollars in millions]

Character of work, performers, and field	2000	Preliminary			
		2001	Percent change 2000-2001	2002	Percent change 2001-2002
Applied research, total	18,900.7	21,131.3	11.8	21,927.6	3.8
By performers:					
Intramural[1]	5,827.8	6,479.4	11.2	6,430.3	-.8
Industrial firms	3,444.6	3,592.2	4.3	3,878.8	8.0
FFRDCs administered by industrial firms	528.9	657.6	24.3	645.4	-1.9
Universities and colleges	5,959.2	6,878.7	15.4	7,317.2	6.4
FFRDCs administered by universities and colleges	1,099.2	1,217.5	10.8	1,252.8	2.9
Other nonprofit institutions	1,734.6	1,992.1	14.8	2,078.7	4.3
FFRDCs administered by nonprofit institutions	174.5	166.2	-4.7	157.6	-5.2
State and local governments	86.9	96.8	11.4	108.5	12.1
Foreign	45.1	50.8	12.7	58.4	14.8
By fields of science:					
Life sciences	7,915.7	9,166.4	15.8	9,666.7	5.5
Psychology	808.9	926.8	14.6	1,030.4	11.2
Physical sciences	1,317.3	1,310.7	-.5	1,309.3	-.1
Environmental sciences	1,490.3	1,602.1	7.5	1,588.6	-.8
Mathematics and computer sciences	1,407.3	1,535.1	9.1	1,690.3	10.1
Engineering	4,582.2	5,018.8	9.5	5,006.7	-.2
Social sciences	742.3	874.4	17.8	916.0	4.7
Other sciences, n.e.c.	636.6	696.8	9.5	719.6	3.3
Development, total	34,392.7	37,062.1	7.8	35,318.5	-4.7
By performers:					
Intramural[1]	7,700.2	8,286.4	7.6	7,584.2	-8.5
Industrial firms	22,934.4	24,868.8	8.4	24,108.0	-3.1
FFRDCs administered by industrial firms	400.6	558.7	39.5	508.1	-9.1
Universities and colleges	799.3	841.5	5.3	703.4	-16.4
FFRDCs administered by universities and colleges	1,279.9	1,327.4	3.7	1,273.5	-4.1
Other nonprofit institutions	496.8	562.4	13.2	504.8	-10.2
FFRDCs administered by nonprofit institutions	535.4	459.1	-14.3	463.8	1.0
State and local governments	61.5	72.4	17.8	66.0	-8.9
Foreign	184.7	85.4	-53.8	106.8	25.1
R&D plant, total	4,492.8	4,554.1	1.4	4,293.0	-5.7
By performers supported:					
Intramural	573.3	530.5	-7.5	507.3	-4.4
Industrial firms	2,814.6	2,733.0	-2.9	2,475.3	-9.4
FFRDCs administered by industrial firms	27.6	47.7	72.9	62.8	31.7
Universities and colleges	213.5	252.6	18.3	265.6	5.2
FFRDCs administered by universities and colleges	613.8	574.3	-6.4	535.1	-6.8
Other nonprofit institutions	55.5	64.1	15.3	62.1	-3.1
FFRDCs administered by nonprofit institutions	193.5	351.7	81.8	384.1	9.2
State and local governments	.9	.2	-77.4	.5	131.5
Foreign	.1	.2	8.3	.2	.0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: FFRDCs = Federally funded research and development centers
n.e.c. = Not elsewhere classified

NOTES: Because of rounding, detail may not add to totals. Percentages are computed using dollars in thousands.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-3. Federal funds for research and development and for R&D plant, by agency: fiscal years 2000, 2001, and 2002

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	2000	Preliminary		2000	Preliminary	
		2001	2002		2001	2002
Total, all agencies	77,356.1	85,452.2	84,938.4	74,077.0	80,159.4	82,814.4
Departments:						
Department of Agriculture, total	1,833.5	2,079.6	1,911.4	1,659.6	1,792.9	1,854.9
Agricultural Marketing Service	5.1	5.2	5.2	4.8	5.2	5.2
Agricultural Research Service	959.3	1,072.0	1,070.9	886.8	985.0	985.8
Animal & Plant Health Inspection Service	20.6	22.0	23.4	20.6	22.0	23.4
Cooperative State Rsch, Ed, & Extension Svc	535.0	660.9	476.8	425.4	449.5	482.9
Economic Research Service	64.2	65.9	67.2	63.9	57.5	57.8
Food Safety Inspection Service	2.3	.0	.0	2.3	.0	.0
Foreign Agricultural Service	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	235.0	239.0	251.0	244.0	259.0	283.0
Grain Inspection Packers & Stockyards Admin	3.6	5.5	6.0	3.6	5.5	6.0
National Agricultural Statistics Service	3.9	3.9	3.9	3.6	3.8	3.9
Rural Business-Cooperative Service	3.1	3.9	5.6	3.1	3.9	5.6
Department of Commerce, total	1,237.1	1,173.2	1,132.4	1,086.3	1,209.0	1,284.5
Bureau of the Census	13.0	.3	.0	32.0	2.0	2.0
Economic Development Administration	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	604.7	420.8	364.3	433.6	471.3	493.9
National Oceanic & Atmospheric Administration	597.1	701.2	748.1	597.1	701.2	748.1
Nat'l Telecommunications & Information Admin	21.8	50.4	19.5	23.0	34.0	40.0
Department of Defense, total	33,215.2	36,457.2	34,324.4	31,468.8	32,951.8	32,408.9
Defense Agencies, total	7,195.9	9,248.5	8,005.9	5,611.3	7,459.3	6,026.7
Ballistic Missile Defense Organization	3,065.5	4,209.3	3,059.4	2,364.0	3,459.0	2,519.9
Chemical and Biological Defense[1]	383.5	369.1	395.8	.0	.0	.0
Defense Advanced Research Projects Agency	1,801.5	1,860.4	2,341.1	1,896.3	1,930.1	1,978.7
Defense Information Systems Agency	114.3	176.8	216.4	119.4	138.3	184.1
Defense Logistics Agency	109.2	115.6	51.9	46.3	89.3	65.2
Defense Threat Reduction Agency	406.2	341.5	361.9	375.1	386.2	368.9
Joint Staff	52.0	92.4	60.0	52.0	92.4	60.0
Special Operations Command	219.0	245.3	253.2	197.8	186.6	188.7
TRICARE Management Activity[2]	69.1	610.0	114.0	69.1	610.0	114.0
Washington Headquarters Services	975.6	1,228.2	1,152.3	491.4	567.3	547.2
Department of the Air Force	11,060.5	10,736.4	10,134.8	11,729.1	10,360.9	9,928.6
Department of the Army, total	5,323.7	6,452.6	6,263.5	4,821.7	5,438.1	6,658.3
Department of the Army, Civil Functions	43.7	45.1	44.3	43.7	45.1	44.3
Department of the Army, Military Functions	5,280.0	6,407.5	6,219.1	4,778.0	5,393.0	6,614.0
Department of the Navy	9,345.1	9,808.5	9,719.1	9,016.3	9,481.9	9,594.2
Operational Test & Evaluation, Director	32.9	189.3	201.0	32.9	189.3	201.0
Test & Evaluation, Deputy Under Sec of Defense	257.0	21.8	.0	257.4	22.3	.0
Department of Education	247.3	273.0	268.4	222.4	268.4	278.7
Department of Energy	6,873.8	7,674.8	7,294.6	6,874.2	7,632.0	7,362.5
Department of Health & Human Services, total	18,645.5	21,592.5	24,230.1	18,406.8	21,286.7	24,049.9
Administration for Children & Families	27.3	27.9	28.5	25.4	25.1	25.7
Administration on Aging	2.8	3.7	.0	1.1	3.0	3.6
Agency for Healthcare Research and Quality[3]	198.8	269.8	306.2	50.8	107.2	91.3
Agency for Toxic Substances Disease & Registry[4]	14.7	15.4	16.1	14.7	15.4	16.1
Centers for Disease Control & Prevention	505.0	569.9	568.5	439.0	502.0	568.0
Food & Drug Administration	146.7	156.5	165.5	143.8	153.3	162.3
Health Care Financing Administration	61.5	138.3	55.3	44.4	70.8	94.1
Health Resources & Services Administration	36.2	51.6	21.5	36.2	51.6	21.5
National Institutes of Health[5]	17,134.8	19,704.5	22,389.1	17,134.8	19,704.5	22,389.1
Office of the Secretary, total	19.8	20.2	20.6	18.7	19.1	19.5
Office of the Asst Sec, Planning & Evaluation	16.7	17.0	17.3	16.7	17.0	17.3
Office of Public Health & Science	3.1	3.2	3.3	2.0	2.1	2.2
Substance Abuse & Mental Health Svcs Admin[6]	497.8	634.6	658.7	497.8	634.6	658.7
Department of Housing & Urban Development	45.6	53.9	44.1	43.7	58.5	60.6

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Federal funds for research and development and for R&D plant, by agency: fiscal years 2000, 2001, and 2002

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	2000	Preliminary		2000	Preliminary	
		2001	2002		2001	2002
Department of the Interior, total	581.2	625.1	565.7	581.2	626.5	567.0
Bureau of Reclamation	9.8	10.2	8.4	9.8	10.2	8.4
Geological Survey	506.1	549.5	490.8	506.1	549.5	490.8
Minerals Management Service	30.5	30.8	30.7	30.5	30.7	30.7
National Park Service	34.7	34.7	35.8	34.7	36.2	37.1
Department of Justice, total	80.5	100.5	79.0	42.8	62.5	42.7
Bureau of Prisons	7.8	7.7	8.0	6.6	7.3	7.9
Federal Bureau of Investigation	10.0	9.2	13.2	10.0	9.2	13.2
Immigration & Naturalization Service	.6	.6	.6	.6	.6	.6
Office of Justice Programs	62.2	83.1	57.2	25.7	45.4	21.0
Department of Labor, total	83.7	87.1	90.6	82.7	86.4	89.8
Bureau of Labor Statistics	12.3	12.3	12.3	12.3	12.3	12.3
Employment & Training Administration	60.9	63.9	67.2	60.9	63.9	67.1
Occupational Safety & Health Administration	5.8	5.5	5.7	5.7	5.5	5.6
Office of the Secretary	1.3	1.2	1.2	1.3	1.9	1.9
Pension & Welfare Benefits Administration	2.7	3.5	3.5	1.8	2.1	2.1
Pension Benefit Guaranty Corporation	.7	.7	.7	.7	.7	.7
Department of State[7]	1.5	1.6	1.6	.9	1.0	1.0
Department of Transportation, total	479.3	624.1	602.3	449.6	520.0	583.1
Coast Guard	20.3	23.9	22.9	20.0	24.0	23.3
Federal Aviation Administration	230.5	309.3	275.0	230.2	277.3	280.8
Federal Highway Administration	126.7	152.0	177.9	106.7	99.2	167.8
Federal Motor Carrier Safety Administration[8]	3.9	11.5	14.1	.4	5.0	11.0
Federal Railroad Administration	27.4	32.6	31.2	25.3	38.7	31.8
Federal Transit Administration	8.9	12.6	7.1	12.0	13.4	5.1
National Highway Traffic Safety Admin	50.6	58.3	59.0	40.5	46.7	47.2
Office of the Secretary	4.0	12.9	5.2	7.5	7.3	6.6
Research & Special Programs Administration	6.9	11.0	9.8	7.0	8.5	9.4
Department of the Treasury, total	61.5	74.5	79.4	60.4	74.5	79.4
Bureau of Engraving & Printing	2.8	3.5	3.5	2.8	3.5	3.5
Internal Revenue Service	54.4	65.6	68.9	53.3	65.6	68.9
Office of Thrift Supervision	.1	.2	.2	.1	.2	.2
United States Customs Service	1.9	3.4	5.0	1.9	3.4	5.0
United States Mint	1.3	.9	.6	1.3	.9	.6
United States Secret Service	1.0	.9	1.1	1.0	.9	1.1
Department of Veterans Affairs	342.0	350.6	360.6	342.0	350.6	360.6
Other agencies:						
Appalachian Regional Commission	.6	.7	.8	.6	.7	.8
Broadcasting Board of Governors[9]	.1	-	.1	.1	-	.1
Environmental Protection Agency[4]	523.2	607.8	556.0	492.0	552.0	514.0
Federal Communications Commission	2.8	2.0	1.3	2.8	2.0	1.3
Federal Trade Commission	.7	1.3	1.5	.7	1.3	1.5
General Services Administration	.0	.0	-	.1	.5	.3
International Development Cooperation Agency, total	218.8	226.4	227.3	179.0	183.0	183.0
Agency for International Development[10]	218.8	226.4	227.3	179.0	183.0	183.0
Library of Congress	2.5	2.8	2.6	2.2	1.8	3.4
National Aeronautics & Space Administration[11]	9,754.9	9,972.9	9,696.4	9,291.0	9,415.0	9,700.0
National Archives & Records Administration	.1	.1	.1	.1	.1	.1
National Science Foundation	2,942.1	3,278.2	3,226.3	2,616.0	2,899.0	3,156.0
Nuclear Regulatory Commission	53.0	50.0	55.0	47.0	47.0	50.0

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Federal funds for research and development and for R&D plant, by agency: fiscal years 2000, 2001, and 2002

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	2000	Preliminary		2000	Preliminary	
		2001	2002		2001	2002
Smithsonian Institution	101.0	104.0	106.0	95.5	98.0	100.0
Social Security Administration	28.7	38.5	80.4	28.7	38.5	80.4

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

7 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

8 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

9 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

10 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

11 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: - = Amount less than 50 thousand dollars

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-4. Federal funds for total research and development, by agency: fiscal years 2000, 2001, and 2002

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	2000	Preliminary		2000	Preliminary	
		2001	2002		2001	2002
Total, all agencies	72,863.2	80,898.1	80,645.5	69,807.3	75,676.5	78,334.9
Departments:						
Department of Agriculture, total	1,746.8	1,979.9	1,805.9	1,551.2	1,670.5	1,738.6
Agricultural Marketing Service	5.1	5.2	5.2	4.8	5.2	5.2
Agricultural Research Service	884.7	987.3	980.3	790.4	877.7	884.4
Animal & Plant Health Inspection Service	20.6	22.0	23.4	20.6	22.0	23.4
Cooperative State Rsch, Ed, & Extension Svc	535.0	660.9	476.8	425.4	449.5	482.9
Economic Research Service	64.2	65.9	67.2	63.9	57.5	57.8
Food Safety Inspection Service	2.3	.0	.0	2.3	.0	.0
Foreign Agricultural Service	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	223.0	224.0	236.0	232.0	244.0	268.0
Grain Inspection Packers & Stockyards Admin	3.6	5.5	6.0	3.6	5.5	6.0
National Agricultural Statistics Service	3.9	3.9	3.9	3.6	3.8	3.9
Rural Business-Cooperative Service	3.1	3.9	5.6	3.1	3.9	5.6
Department of Commerce, total	1,036.6	1,112.4	1,111.6	1,065.6	1,135.3	1,216.9
Bureau of the Census	13.0	.3	.0	32.0	2.0	2.0
Economic Development Administration	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	404.2	360.0	343.4	412.8	397.6	426.2
National Oceanic & Atmospheric Administration	597.1	701.2	748.1	597.1	701.2	748.1
Nat'l Telecommunications & Information Admin	21.8	50.4	19.5	23.0	34.0	40.0
Department of Defense, total	33,167.0	36,333.5	34,235.3	31,428.8	32,891.6	32,252.1
Defense Agencies, total	7,190.8	9,241.8	7,937.0	5,608.5	7,454.6	5,959.7
Ballistic Missile Defense Organization	3,062.7	4,204.6	2,992.4	2,361.2	3,454.4	2,452.9
Chemical and Biological Defense[1]	383.5	369.1	395.8	.0	.0	.0
Defense Advanced Research Projects Agency	1,801.5	1,860.4	2,341.1	1,896.3	1,930.1	1,978.7
Defense Information Systems Agency	114.3	176.8	216.4	119.4	138.3	184.1
Defense Logistics Agency	109.2	115.6	51.9	46.3	89.3	65.2
Defense Threat Reduction Agency	406.2	341.5	361.9	375.1	386.2	368.9
Joint Staff	52.0	92.4	60.0	52.0	92.4	60.0
Special Operations Command	219.0	245.3	253.2	197.8	186.6	188.7
TRICARE Management Activity[2]	69.1	610.0	114.0	69.1	610.0	114.0
Washington Headquarters Services	973.3	1,226.2	1,150.5	491.4	567.3	547.2
Department of the Air Force	11,055.0	10,730.3	10,130.3	11,726.8	10,350.9	9,915.5
Department of the Army, total	5,323.7	6,452.6	6,263.5	4,820.1	5,437.7	6,658.3
Department of the Army, Civil Functions	43.7	45.1	44.3	43.7	45.1	44.3
Department of the Army, Military Functions	5,279.9	6,407.5	6,219.1	4,776.3	5,392.6	6,613.9
Department of the Navy	9,307.6	9,697.7	9,703.5	8,983.2	9,436.7	9,517.6
Operational Test & Evaluation, Director	32.9	189.3	201.0	32.9	189.3	201.0
Test & Evaluation, Deputy Under Sec of Defense	257.0	21.8	.0	257.4	22.3	.0
Department of Education	247.3	273.0	268.4	222.4	268.4	278.7
Department of Energy	6,063.1	6,711.9	6,321.8	6,067.6	6,690.2	6,383.7
Department of Health & Human Services, total	18,425.9	21,355.1	23,815.9	18,187.1	21,049.3	23,635.7
Administration for Children & Families	27.3	27.9	28.5	25.4	25.1	25.7
Administration on Aging	2.8	3.7	.0	1.1	3.0	3.6
Agency for Healthcare Research and Quality[3]	198.8	269.8	306.2	50.8	107.2	91.3
Agency for Toxic Substances Disease & Registry[4]	14.7	15.4	16.1	14.7	15.4	16.1
Centers for Disease Control & Prevention	505.0	569.9	568.5	439.0	502.0	568.0
Food & Drug Administration	144.2	151.5	158.5	141.2	148.3	155.3
Health Care Financing Administration	61.5	138.3	55.3	44.4	70.8	94.1
Health Resources & Services Administration	35.6	51.0	20.9	35.6	51.0	20.9
National Institutes of Health[5]	16,918.3	19,472.7	21,982.5	16,918.3	19,472.7	21,982.5
Office of the Secretary, total	19.8	20.2	20.6	18.7	19.1	19.5
Office of the Asst Sec, Planning & Evaluation	16.7	17.0	17.3	16.7	17.0	17.3
Office of Public Health & Science	3.1	3.2	3.3	2.0	2.1	2.2
Substance Abuse & Mental Health Svcs Admin[6]	497.8	634.6	658.7	497.8	634.6	658.7
Department of Housing & Urban Development	45.6	53.9	44.1	43.7	58.5	60.6

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Federal funds for total research and development, by agency: fiscal years 2000, 2001, and 2002

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	2000	Preliminary		2000	Preliminary	
		2001	2002		2001	2002
Department of the Interior, total	579.9	623.7	564.4	579.8	625.2	565.6
Bureau of Reclamation	9.8	10.2	8.4	9.8	10.2	8.4
Geological Survey	506.1	549.5	490.8	506.1	549.5	490.8
Minerals Management Service	29.2	29.4	29.4	29.1	29.3	29.4
National Park Service	34.7	34.7	35.8	34.7	36.2	37.1
Department of Justice, total	80.5	100.5	79.0	42.8	62.5	42.7
Bureau of Prisons	7.8	7.7	8.0	6.6	7.3	7.9
Federal Bureau of Investigation	10.0	9.2	13.2	10.0	9.2	13.2
Immigration & Naturalization Service	.6	.6	.6	.6	.6	.6
Office of Justice Programs	62.2	83.1	57.2	25.7	45.4	21.0
Department of Labor, total	83.7	87.1	90.6	82.7	86.4	89.8
Bureau of Labor Statistics	12.3	12.3	12.3	12.3	12.3	12.3
Employment & Training Administration	60.9	63.9	67.2	60.9	63.9	67.1
Occupational Safety & Health Administration	5.8	5.5	5.7	5.7	5.5	5.6
Office of the Secretary	1.3	1.2	1.2	1.3	1.9	1.9
Pension & Welfare Benefits Administration	2.7	3.5	3.5	1.8	2.1	2.1
Pension Benefit Guaranty Corporation	.7	.7	.7	.7	.7	.7
Department of State[7]	1.5	1.6	1.6	.9	1.0	1.0
Department of Transportation, total	467.4	609.1	585.0	436.7	506.7	567.5
Coast Guard	20.0	23.6	22.6	19.8	23.7	23.0
Federal Aviation Administration	219.0	296.7	259.2	217.6	264.8	266.4
Federal Highway Administration	126.7	152.0	177.9	106.7	99.2	167.8
Federal Motor Carrier Safety Administration[8]	3.9	11.5	14.1	.4	5.0	11.0
Federal Railroad Administration	27.3	30.5	29.9	25.3	38.2	30.8
Federal Transit Administration	8.9	12.6	7.1	12.0	13.4	5.1
National Highway Traffic Safety Admin	50.6	58.3	59.0	40.5	46.7	47.2
Office of the Secretary	4.0	12.9	5.2	7.5	7.3	6.6
Research & Special Programs Administration	6.9	11.0	9.8	7.0	8.5	9.4
Department of the Treasury, total	61.4	74.4	79.3	60.3	74.4	79.3
Bureau of Engraving & Printing	2.8	3.5	3.5	2.8	3.5	3.5
Internal Revenue Service	54.4	65.6	68.9	53.3	65.6	68.9
Office of Thrift Supervision	.1	.2	.2	.1	.2	.2
United States Customs Service	1.8	3.3	4.9	1.8	3.3	4.9
United States Mint	1.3	.9	.6	1.3	.9	.6
United States Secret Service	1.0	.9	1.1	1.0	.9	1.1
Department of Veterans Affairs	341.7	350.2	360.2	341.7	350.2	360.2
Other agencies:						
Appalachian Regional Commission	.6	.7	.8	.6	.7	.8
Broadcasting Board of Governors[9]	.1	-	.1	.1	-	.1
Environmental Protection Agency[4]	502.2	573.8	535.0	472.0	522.0	484.0
Federal Communications Commission	2.8	2.0	1.3	2.8	2.0	1.3
Federal Trade Commission	.7	1.3	1.5	.7	1.3	1.5
International Development Cooperation Agency, total	218.8	226.4	227.3	179.0	183.0	183.0
Agency for International Development[10]	218.8	226.4	227.3	179.0	183.0	183.0
Library of Congress	2.5	2.8	2.6	2.2	1.8	3.4
National Aeronautics & Space Administration[11]	6,881.9	7,220.9	7,259.4	6,424.0	6,671.0	7,233.0
National Archives & Records Administration	.1	.1	.1	.1	.1	.1
National Science Foundation	2,725.5	3,015.3	3,017.1	2,446.0	2,644.0	2,928.0
Nuclear Regulatory Commission	53.0	50.0	55.0	47.0	47.0	50.0

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Federal funds for total research and development, by agency: fiscal years 2000, 2001, and 2002

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	2000	Preliminary		2000	Preliminary	
		2001	2002		2001	2002
Smithsonian Institution	98.0	100.0	102.0	93.0	95.0	97.0
Social Security Administration	28.7	38.5	80.4	28.7	38.5	80.4

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

7 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

8 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

9 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

10 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

11 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: - = Amount less than 50 thousand dollars

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	72,863,238	19,569,849	18,900,701	34,392,688	NA	NA
Departments:						
Department of Agriculture, total	1,746,848	807,947	803,519	135,382	NA	NA
Agricultural Marketing Service	5,068	0	4,294	774	NA	NA
Agricultural Research Service	884,676	477,725	327,330	79,621	NA	NA
Animal & Plant Health Inspection Service	20,570	0	0	20,570	NA	NA
Cooperative State Rsch, Ed, & Extension Svc	535,042	229,890	305,152	0	NA	NA
Economic Research Service	64,152	6,415	57,737	0	NA	NA
Food Safety Inspection Service	2,332	410	1,625	297	NA	NA
Foreign Agricultural Service	1,422	808	614	0	NA	NA
Forest Service	223,000	91,430	100,350	31,220	NA	NA
Grain Inspection Packers & Stockyards Admin	3,620	0	720	2,900	NA	NA
National Agricultural Statistics Service	3,856	1,269	2,587	0	NA	NA
Rural Business-Cooperative Service	3,110	0	3,110	0	NA	NA
Department of Commerce, total	1,036,631	46,362	849,554	140,715	NA	NA
Bureau of the Census	13,000	1,766	2,519	8,715	NA	NA
Economic Development Administration	576	0	576	0	NA	NA
National Institute of Standards & Technology	404,165	40,258	268,296	95,611	NA	NA
National Oceanic & Atmospheric Administration	597,139	4,338	574,133	18,668	NA	NA
Nat'l Telecommunications & Information Admin	21,751	0	4,030	17,721	NA	NA
Department of Defense, total	33,167,025	1,230,119	3,690,234	28,246,672	4,192,897	24,053,775
Defense Agencies, total	7,190,785	417,094	1,482,216	5,291,475	2,019,405	3,272,070
Ballistic Missile Defense Organization	3,062,650	0	104,147	2,958,503	344,476	2,614,027
Chemical and Biological Defense[1]	383,549	37,679	83,401	262,469	56,599	205,870
Defense Advanced Research Projects Agency	1,801,547	52,448	902,343	846,756	763,740	83,016
Defense Information Systems Agency	114,299	0	1,332	112,967	0	112,967
Defense Logistics Agency	109,213	0	8,084	101,129	50,347	50,782
Defense Threat Reduction Agency	406,185	0	259,970	146,215	146,215	0
Joint Staff	51,967	0	0	51,967	31,546	20,421
Special Operations Command	219,035	0	19,494	199,541	83,807	115,734
TRICARE Management Activity[2]	69,071	69,071	0	0	0	0
Washington Headquarters Services	973,269	257,896	103,445	611,928	542,675	69,253
Department of the Air Force	11,054,996	253,412	843,102	9,958,482	624,043	9,334,439
Department of the Army, total	5,323,664	205,277	765,593	4,352,794	NA	NA
Department of the Army, Civil Functions[3]	43,743	3,499	24,059	16,185	NA	NA
Department of the Army, Military Functions	5,279,921	201,778	741,534	4,336,609	813,211	3,523,398
Department of the Navy	9,307,637	354,336	599,323	8,353,978	720,053	7,633,925
Operational Test & Evaluation, Director	32,915	0	0	32,915	0	32,915
Test & Evaluation, Deputy Under Sec of Defense	257,028	0	0	257,028	0	257,028
Department of Education	247,303	2,053	161,493	83,757	NA	NA
Department of Energy	6,063,064	2,175,837	1,925,018	1,962,209	NA	NA
Department of Health & Human Services, total	18,425,903	10,055,392	7,857,672	512,839	NA	NA
Administration for Children & Families	27,343	0	27,343	0	NA	NA
Administration on Aging	2,829	0	2,829	0	NA	NA
Agency for Healthcare Research and Quality[4]	198,767	153	186,688	11,926	NA	NA
Agency for Toxic Substances Disease & Registry[5]	14,675	0	14,675	0	NA	NA
Centers for Disease Control & Prevention	505,022	0	505,022	0	NA	NA
Food & Drug Administration	144,238	0	144,238	0	NA	NA
Health Care Financing Administration	61,482	0	61,482	0	NA	NA
Health Resources & Services Administration	35,615	1,160	34,455	0	NA	NA
National Institutes of Health[6]	16,918,319	10,054,079	6,864,240	0	NA	NA
Office of the Secretary, total	19,785	0	16,700	3,085	NA	NA
Office of the Asst Sec, Planning & Evaluation	16,700	0	16,700	0	NA	NA
Office of Public Health & Science	3,085	0	0	3,085	NA	NA
Substance Abuse & Mental Health Svcs Admin[7]	497,828	0	0	497,828	NA	NA
Department of Housing & Urban Development	45,560	0	15,468	30,092	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of the Interior, total	579,911	51,822	496,642	31,447	NA	NA
Bureau of Reclamation	9,848	0	7,386	2,462	NA	NA
Geological Survey	506,128	51,322	425,821	28,985	NA	NA
Minerals Management Service	29,213	0	29,213	0	NA	NA
National Park Service	34,722	500	34,222	0	NA	NA
Department of Justice, total	80,501	21,744	27,835	30,922	NA	NA
Bureau of Prisons	7,753	0	3,433	4,320	NA	NA
Federal Bureau of Investigation	9,953	0	0	9,953	NA	NA
Immigration & Naturalization Service	550	0	0	550	NA	NA
Office of Justice Programs	62,245	21,744	24,402	16,099	NA	NA
Department of Labor, total	83,671	11,000	35,135	37,536	NA	NA
Bureau of Labor Statistics	12,300	11,000	1,300	0	NA	NA
Employment & Training Administration	60,863	0	24,985	35,878	NA	NA
Occupational Safety & Health Administration	5,790	0	5,790	0	NA	NA
Office of the Secretary	1,279	0	279	1,000	NA	NA
Pension & Welfare Benefits Administration	2,726	0	2,726	0	NA	NA
Pension Benefit Guaranty Corporation	713	0	55	658	NA	NA
Department of State[8]	1,521	0	1,521	0	NA	NA
Department of Transportation, total	467,388	16,198	328,220	122,970	NA	NA
Coast Guard	19,997	0	4,999	14,998	NA	NA
Federal Aviation Administration	219,049	0	164,420	54,629	NA	NA
Federal Highway Administration	126,749	16,198	76,667	33,884	NA	NA
Federal Motor Carrier Safety Administration[9]	3,925	0	2,833	1,092	NA	NA
Federal Railroad Administration	27,326	0	24,211	3,115	NA	NA
Federal Transit Administration	8,888	0	0	8,888	NA	NA
National Highway Traffic Safety Admin	50,569	0	50,569	0	NA	NA
Office of the Secretary	4,034	0	0	4,034	NA	NA
Research & Special Programs Administration	6,851	0	4,521	2,330	NA	NA
Department of the Treasury, total	61,432	10	51,156	10,266	NA	NA
Bureau of Engraving & Printing	2,847	10	2,643	194	NA	NA
Internal Revenue Service	54,436	0	47,424	7,012	NA	NA
Office of Thrift Supervision	128	0	128	0	NA	NA
United States Customs Service	1,800	0	0	1,800	NA	NA
United States Mint	1,260	0	0	1,260	NA	NA
United States Secret Service	961	0	961	0	NA	NA
Department of Veterans Affairs	341,664	149,241	185,399	7,024	NA	NA
Other agencies:						
Appalachian Regional Commission	625	0	625	0	NA	NA
Broadcasting Board of Governors[10]	84	0	84	0	NA	NA
Environmental Protection Agency[5]	502,158	58,590	352,068	91,500	NA	NA
Federal Communications Commission	2,789	0	2,789	0	NA	NA
Federal Trade Commission	674	0	674	0	NA	NA
International Development Cooperation Agency, total	218,784	85	189,153	29,546	NA	NA
Agency for International Development[11]	218,784	85	189,153	29,546	NA	NA
Library of Congress	2,487	0	601	1,886	NA	NA
National Aeronautics & Space Administration[12]	6,881,900	2,305,437	1,658,538	2,917,925	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,725,512	2,540,012	185,500	0	NA	NA
Nuclear Regulatory Commission	53,000	0	53,000	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Smithsonian Institution	98,000	98,000	0	0	NA	NA
Social Security Administration	28,683	0	28,683	0	NA	NA

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes the funds are shown in the advanced technology column for the Department of Defense.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

7 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

8 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

9 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

10 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

11 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

12 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: NA = Not applicable (data are not collected in this category for this agency)

NOTES: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	80,898,068	22,704,680	21,131,300	37,062,088	NA	NA
Departments:						
Department of Agriculture, total	1,979,945	906,849	925,686	147,410	NA	NA
Agricultural Marketing Service	5,164	0	4,401	763	NA	NA
Agricultural Research Service	987,329	533,158	365,312	88,859	NA	NA
Animal & Plant Health Inspection Service	22,041	0	0	22,041	NA	NA
Cooperative State Rsch, Ed, & Extension Svc	660,857	273,185	387,672	0	NA	NA
Economic Research Service	65,893	6,589	59,304	0	NA	NA
Foreign Agricultural Service	1,422	808	614	0	NA	NA
Forest Service	224,000	91,840	100,800	31,360	NA	NA
Grain Inspection Packers & Stockyards Admin	5,483	0	1,096	4,387	NA	NA
National Agricultural Statistics Service	3,856	1,269	2,587	0	NA	NA
Rural Business-Cooperative Service	3,900	0	3,900	0	NA	NA
Department of Commerce, total	1,112,429	47,907	928,806	135,716	NA	NA
Bureau of the Census	300	41	71	188	NA	NA
Economic Development Administration	550	0	550	0	NA	NA
National Institute of Standards & Technology	360,045	43,324	251,648	65,073	NA	NA
National Oceanic & Atmospheric Administration	701,155	4,542	672,305	24,308	NA	NA
Nat'l Telecommunications & Information Admin	50,379	0	4,232	46,147	NA	NA
Department of Defense, total	36,333,517	1,915,639	3,807,184	30,610,694	4,273,364	26,337,330
Defense Agencies, total	9,241,801	1,086,610	1,398,143	6,757,048	1,976,630	4,780,418
Ballistic Missile Defense Organization	4,204,647	0	58,762	4,145,885	266,819	3,879,066
Chemical and Biological Defense[1]	369,105	34,823	77,170	257,112	48,142	208,970
Defense Advanced Research Projects Agency	1,860,375	109,738	906,341	844,296	768,836	75,460
Defense Information Systems Agency	176,817	0	1,196	175,621	0	175,621
Defense Logistics Agency	115,595	0	8,696	106,899	63,594	43,305
Defense Threat Reduction Agency	341,488	0	201,245	140,243	140,243	0
Joint Staff	92,406	0	0	92,406	50,698	41,708
Special Operations Command	245,256	0	22,073	223,183	93,737	129,446
TRICARE Management Activity[2]	609,951	545,859	0	64,092	0	64,092
Washington Headquarters Services	1,226,161	396,190	122,660	707,311	544,561	162,750
Department of the Air Force	10,730,278	238,462	818,780	9,673,036	594,530	9,078,506
Department of the Army, total	6,452,588	204,552	909,547	5,338,489	NA	NA
Department of the Army, Civil Functions[3]	45,088	2,705	23,446	18,937	NA	NA
Department of the Army, Military Functions	6,407,500	201,847	886,101	5,319,552	886,924	4,432,628
Department of the Navy	9,697,669	386,015	680,714	8,630,940	796,343	7,834,597
Operational Test & Evaluation, Director	189,338	0	0	189,338	0	189,338
Test & Evaluation, Deputy Under Sec of Defense	21,843	0	0	21,843	0	21,843
Department of Education	272,968	2,253	178,693	92,022	NA	NA
Department of Energy	6,711,939	2,368,986	2,213,403	2,129,550	NA	NA
Department of Health & Human Services, total	21,355,050	11,533,424	9,167,627	653,999	NA	NA
Administration for Children & Families	27,921	0	27,921	0	NA	NA
Administration on Aging	3,728	0	3,728	0	NA	NA
Agency for Healthcare Research and Quality[4]	269,796	0	253,608	16,188	NA	NA
Agency for Toxic Substances Disease & Registry[5]	15,358	0	15,358	0	NA	NA
Centers for Disease Control & Prevention	569,940	0	569,940	0	NA	NA
Food & Drug Administration	151,513	0	151,513	0	NA	NA
Health Care Financing Administration	138,311	0	138,311	0	NA	NA
Health Resources & Services Administration	50,950	1,190	49,760	0	NA	NA
National Institutes of Health[6]	19,472,722	11,532,234	7,940,488	0	NA	NA
Office of the Secretary, total	20,177	0	17,000	3,177	NA	NA
Office of the Asst Sec, Planning & Evaluation	17,000	0	17,000	0	NA	NA
Office of Public Health & Science	3,177	0	0	3,177	NA	NA
Substance Abuse & Mental Health Svcs Admin[7]	634,634	0	0	634,634	NA	NA
Department of Housing & Urban Development	53,922	0	18,883	35,039	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of the Interior, total	623,700	56,409	533,182	34,109	NA	NA
Bureau of Reclamation	10,154	0	7,616	2,538	NA	NA
Geological Survey	549,499	55,911	462,017	31,571	NA	NA
Minerals Management Service	29,393	0	29,393	0	NA	NA
National Park Service	34,654	498	34,156	0	NA	NA
Department of Justice, total	100,548	21,350	43,275	35,923	NA	NA
Bureau of Prisons	7,685	0	3,250	4,435	NA	NA
Federal Bureau of Investigation	9,193	0	0	9,193	NA	NA
Immigration & Naturalization Service	575	0	0	575	NA	NA
Office of Justice Programs	83,095	21,350	40,025	21,720	NA	NA
Department of Labor, total	87,140	11,000	36,879	39,261	NA	NA
Bureau of Labor Statistics	12,300	11,000	1,300	0	NA	NA
Employment & Training Administration	63,914	0	26,243	37,671	NA	NA
Occupational Safety & Health Administration	5,516	0	5,516	0	NA	NA
Office of the Secretary	1,150	0	225	925	NA	NA
Pension & Welfare Benefits Administration	3,538	0	3,538	0	NA	NA
Pension Benefit Guaranty Corporation	722	0	57	665	NA	NA
Department of State[8]	1,550	0	1,550	0	NA	NA
Department of Transportation, total	609,124	29,989	383,759	195,376	NA	NA
Coast Guard	23,642	0	5,910	17,732	NA	NA
Federal Aviation Administration	296,678	0	200,096	96,582	NA	NA
Federal Highway Administration	152,043	29,989	78,198	43,856	NA	NA
Federal Motor Carrier Safety Administration[9]	11,478	0	8,035	3,443	NA	NA
Federal Railroad Administration	30,469	0	24,920	5,549	NA	NA
Federal Transit Administration	12,594	0	2,519	10,075	NA	NA
National Highway Traffic Safety Admin	58,313	0	58,313	0	NA	NA
Office of the Secretary	12,922	0	0	12,922	NA	NA
Research & Special Programs Administration	10,985	0	5,768	5,217	NA	NA
Department of the Treasury, total	74,374	27	64,362	9,985	NA	NA
Bureau of Engraving & Printing	3,469	27	3,177	265	NA	NA
Internal Revenue Service	65,632	0	58,808	6,824	NA	NA
Office of Thrift Supervision	209	0	209	0	NA	NA
United States Customs Service	3,250	0	1,244	2,006	NA	NA
United States Mint	890	0	0	890	NA	NA
United States Secret Service	924	0	924	0	NA	NA
Department of Veterans Affairs	350,228	153,324	189,884	7,020	NA	NA
Other agencies:						
Appalachian Regional Commission	665	0	665	0	NA	NA
Broadcasting Board of Governors[10]	5	0	5	0	NA	NA
Environmental Protection Agency[5]	573,780	104,402	369,498	99,880	NA	NA
Federal Communications Commission	1,992	0	1,992	0	NA	NA
Federal Trade Commission	1,272	0	1,272	0	NA	NA
International Development Cooperation Agency, total	226,350	100	200,157	26,093	NA	NA
Agency for International Development[11]	226,350	100	200,157	26,093	NA	NA
Library of Congress	2,772	0	1,691	1,081	NA	NA
National Aeronautics & Space Administration[12]	7,220,900	2,657,291	1,754,679	2,808,930	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,015,278	2,795,730	219,548	0	NA	NA
Nuclear Regulatory Commission	50,000	0	50,000	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Smithsonian Institution	100,000	100,000	0	0	NA	NA
Social Security Administration	38,500	0	38,500	0	NA	NA

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes the funds are shown in the advanced technology column for the Department of Defense.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

7 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

8 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

9 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

10 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

11 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

12 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: NA = Not applicable (data are not collected in this category for this agency)

NOTES: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	80,645,451	23,399,291	21,927,617	35,318,543	NA	NA
Departments:						
Department of Agriculture, total	1,805,885	848,751	806,899	150,235	NA	NA
Agricultural Marketing Service	5,164	0	4,401	763	NA	NA
Agricultural Research Service	980,335	529,381	362,724	88,230	NA	NA
Animal & Plant Health Inspection Service	23,389	0	0	23,389	NA	NA
Cooperative State Rsch, Ed, & Extension Svc	476,821	213,786	263,035	0	NA	NA
Economic Research Service	67,200	6,720	60,480	0	NA	NA
Foreign Agricultural Service	1,422	808	614	0	NA	NA
Forest Service	236,000	96,760	106,200	33,040	NA	NA
Grain Inspection Packers & Stockyards Admin	6,016	0	1,203	4,813	NA	NA
National Agricultural Statistics Service	3,938	1,296	2,642	0	NA	NA
Rural Business-Cooperative Service	5,600	0	5,600	0	NA	NA
Department of Commerce, total	1,111,554	53,351	966,880	91,323	NA	NA
Economic Development Administration	550	0	550	0	NA	NA
National Institute of Standards & Technology	343,427	48,809	247,606	47,012	NA	NA
National Oceanic & Atmospheric Administration	748,074	4,542	714,724	28,808	NA	NA
Nat'l Telecommunications & Information Admin	19,503	0	4,000	15,503	NA	NA
Department of Defense, total	34,235,264	1,363,205	3,657,023	29,215,036	3,968,064	25,246,972
Defense Agencies, total	7,937,000	518,154	1,676,969	5,741,877	2,098,680	3,643,197
Ballistic Missile Defense Organization	2,992,376	0	23,118	2,969,258	219,482	2,749,776
Chemical and Biological Defense[1]	395,800	33,206	89,658	272,936	49,511	223,425
Defense Advanced Research Projects Agency	2,341,058	116,692	1,186,590	1,037,776	948,495	89,281
Defense Information Systems Agency	216,417	0	0	216,417	0	216,417
Defense Logistics Agency	51,860	0	8,834	43,026	37,917	5,109
Defense Threat Reduction Agency	361,853	0	232,095	129,758	129,758	0
Joint Staff	59,962	0	0	59,962	59,962	0
Special Operations Command	253,175	0	22,776	230,399	99,710	130,689
TRICARE Management Activity[2]	114,040	50,360	0	63,680	0	63,680
Washington Headquarters Services	1,150,459	317,896	113,898	718,665	553,845	164,820
Department of the Air Force	10,130,255	238,089	751,026	9,141,140	651,592	8,489,548
Department of the Army, total	6,263,493	208,156	661,622	5,393,715	NA	NA
Department of the Army, Civil Functions[3]	44,349	2,661	23,948	17,740	NA	NA
Department of the Army, Military Functions	6,219,144	205,495	637,674	5,375,975	611,043	4,764,932
Department of the Navy	9,703,478	398,806	567,406	8,737,266	589,009	8,148,257
Operational Test & Evaluation, Director	201,038	0	0	201,038	0	201,038
Department of Education	268,417	2,126	183,921	82,370	NA	NA
Department of Energy	6,321,757	2,339,169	2,165,057	1,817,531	NA	NA
Department of Health & Human Services, total	23,815,897	12,969,005	10,166,479	680,413	NA	NA
Administration for Children & Families	28,508	0	28,508	0	NA	NA
Agency for Healthcare Research and Quality[4]	306,245	0	287,870	18,375	NA	NA
Agency for Toxic Substances Disease & Registry[5]	16,124	0	16,124	0	NA	NA
Centers for Disease Control & Prevention	568,510	0	568,510	0	NA	NA
Food & Drug Administration	158,519	0	158,519	0	NA	NA
Health Care Financing Administration	55,311	0	55,311	0	NA	NA
Health Resources & Services Administration	20,855	1,190	19,665	0	NA	NA
National Institutes of Health[6]	21,982,487	12,967,815	9,014,672	0	NA	NA
Office of the Secretary, total	20,604	0	17,300	3,304	NA	NA
Office of the Asst Sec, Planning & Evaluation	17,300	0	17,300	0	NA	NA
Office of Public Health & Science	3,304	0	0	3,304	NA	NA
Substance Abuse & Mental Health Svcs Admin[7]	658,734	0	0	658,734	NA	NA
Department of Housing & Urban Development	44,104	0	15,338	28,766	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of the Interior, total	564,391	53,722	478,941	31,728	NA	NA
Bureau of Reclamation	8,400	0	6,300	2,100	NA	NA
Geological Survey	490,780	53,024	408,128	29,628	NA	NA
Minerals Management Service	29,433	0	29,433	0	NA	NA
National Park Service	35,778	698	35,080	0	NA	NA
Department of Justice, total	78,982	21,250	20,475	37,257	NA	NA
Bureau of Prisons	7,953	0	3,400	4,553	NA	NA
Federal Bureau of Investigation	13,194	0	0	13,194	NA	NA
Immigration & Naturalization Service	600	0	0	600	NA	NA
Office of Justice Programs	57,235	21,250	17,075	18,910	NA	NA
Department of Labor, total	90,608	11,000	38,337	41,271	NA	NA
Bureau of Labor Statistics	12,300	11,000	1,300	0	NA	NA
Employment & Training Administration	67,225	0	27,554	39,671	NA	NA
Occupational Safety & Health Administration	5,661	0	5,661	0	NA	NA
Office of the Secretary	1,150	0	225	925	NA	NA
Pension & Welfare Benefits Administration	3,538	0	3,538	0	NA	NA
Pension Benefit Guaranty Corporation	734	0	59	675	NA	NA
Department of State[8]	1,550	0	1,550	0	NA	NA
Department of Transportation, total	584,951	33,196	387,552	164,203	NA	NA
Coast Guard	22,644	0	5,661	16,983	NA	NA
Federal Aviation Administration	259,231	0	187,781	71,450	NA	NA
Federal Highway Administration	177,872	33,196	93,015	51,661	NA	NA
Federal Motor Carrier Safety Administration[9]	14,128	0	9,890	4,238	NA	NA
Federal Railroad Administration	29,878	0	26,678	3,200	NA	NA
Federal Transit Administration	7,120	0	0	7,120	NA	NA
National Highway Traffic Safety Admin	59,042	0	59,042	0	NA	NA
Office of the Secretary	5,193	0	0	5,193	NA	NA
Research & Special Programs Administration	9,843	0	5,485	4,358	NA	NA
Department of the Treasury, total	79,257	30	67,260	11,967	NA	NA
Bureau of Engraving & Printing	3,500	30	3,192	278	NA	NA
Internal Revenue Service	68,917	0	61,748	7,169	NA	NA
Office of Thrift Supervision	219	0	219	0	NA	NA
United States Customs Service	4,900	0	1,000	3,900	NA	NA
United States Mint	620	0	0	620	NA	NA
United States Secret Service	1,101	0	1,101	0	NA	NA
Department of Veterans Affairs	360,237	157,690	195,333	7,214	NA	NA
Other agencies:						
Appalachian Regional Commission	750	0	750	0	NA	NA
Broadcasting Board of Governors[10]	100	0	100	0	NA	NA
Environmental Protection Agency[5]	535,035	97,570	344,565	92,900	NA	NA
Federal Communications Commission	1,348	0	1,348	0	NA	NA
Federal Trade Commission	1,484	0	1,484	0	NA	NA
International Development Cooperation Agency, total	227,321	100	200,913	26,308	NA	NA
Agency for International Development[11]	227,321	100	200,913	26,308	NA	NA
Library of Congress	2,559	0	963	1,596	NA	NA
National Aeronautics & Space Administration[12]	7,259,400	2,548,050	1,872,925	2,838,425	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,017,080	2,799,076	218,004	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Nuclear Regulatory Commission	55,000	0	55,000	0	NA	NA
Smithsonian Institution	102,000	102,000	0	0	NA	NA
Social Security Administration	80,400	0	80,400	0	NA	NA

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes the funds are shown in the advanced technology column for the Department of Defense.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

7 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

8 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

9 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

10 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

11 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

12 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: NA = Not applicable (data are not collected in this category for this agency)

NOTES: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-8. Federal obligations for total research and development, by agency and performer: fiscal year 2000

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Total, all agencies	72,863.2	17,149.8	27,735.6	1,100.9	16,815.1	4,053.2	4,216.6	1,231.5	224.0	336.7
Departments:										
Department of Agriculture, total	1,746.8	1,151.6	17.2	.0	553.6	.0	18.0	.0	3.0	3.5
Agricultural Marketing Service	5.1	4.7	.0	.0	.4	.0	.0	.0	.0	.0
Agricultural Research Service	884.7	826.4	.0	.0	49.9	.0	5.2	.0	.4	2.8
Animal & Plant Hlth Inspection Svc	20.6	18.6	.0	.0	2.0	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service	535.0	33.7	12.4	.0	479.3	.0	8.7	.0	.9	.0
Economic Research Service	64.2	55.0	4.5	.0	3.7	.0	.7	.0	.0	.2
Food Safety Inspection Service	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0
Foreign Agricultural Service	1.4	.8	.0	.0	.6	.0	.0	.0	.0	.0
Forest Service	223.0	201.3	.2	.0	17.6	.0	1.7	.0	1.7	.5
Grain Inspection Packers & Stockyards Administration	3.6	3.6	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.9	3.6	.0	.0	.2	.0	-	.0	.0	.0
Rural Business-Cooperative Service	3.1	1.5	.0	.0	.1	.0	1.5	.0	.0	.0
Department of Commerce, total	1,036.6	755.2	161.7	.0	100.5	.1	11.8	-	7.1	.2
Bureau of the Census	13.0	13.0	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin	.6	.1	.1	.0	.4	.0	.1	.0	.0	.0
Nat'l Inst of Standards & Tech	404.2	230.8	156.8	.0	11.2	.0	5.1	-	.0	.2
Nat'l Oceanic & Atmospheric Admin	597.1	503.5	4.9	.0	84.7	.1	1.1	.0	2.9	-
National Telecommunications & Information Administration	21.8	7.9	.0	.0	4.2	.0	5.4	.0	4.2	.0
Department of Defense, total	33,167.0	8,086.8	22,229.0	116.0	1,606.1	285.2	250.9	382.3	6.1	204.6
Defense Agencies, research & development (R&D), total	7,190.8	1,570.8	4,182.7	81.3	879.1	195.5	87.9	88.5	.5	104.4
Ballistic Missile Defense Organization, R&D	3,062.7	583.2	2,201.5	51.5	66.8	49.2	2.1	16.5	.0	91.9
Chemical and Biological Defense, R&D [2]	383.5	202.2	137.0	.0	37.7	6.0	.5	.2	.0	.0
Defense Advanced Research Projects Agency, R&D	1,801.5	172.3	1,035.6	13.2	409.5	81.1	59.2	27.1	.0	3.6
Defense Information Systems Agency, R&D	114.3	53.3	46.0	.0	.0	.3	7.1	7.6	.0	.0
Defense Logistics Agency, R&D	109.2	76.8	24.9	.0	4.7	.0	.4	2.4	.0	.0
Defense Threat Reduction Agency, R&D	406.2	145.5	219.9	7.7	7.5	19.1	1.3	3.7	.0	1.5
Joint Staff, R&D	52.0	52.0	.0	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	219.0	81.7	135.3	.0	2.0	.0	.0	.0	.0	.0
TRICARE Management Activity, R&D [3]	69.1	3.5	6.2	.0	59.4	.0	.0	.0	.0	.0
Washington Headquarters Services, R&D	973.3	200.4	376.3	8.9	291.6	39.8	17.4	31.1	.5	7.4
Department of the Air Force, R&D	11,055.0	1,206.0	9,481.3	26.9	112.4	12.8	16.9	163.4	5.5	29.7
Department of the Army, R&D	5,323.7	1,854.3	3,120.6	3.0	196.2	35.1	47.7	27.6	-	39.1
Department of the Navy, R&D	9,307.6	3,346.5	5,290.7	4.2	413.8	41.8	98.3	80.9	.0	31.4
Operational Test & Evaluation, Director, R&D	32.9	11.4	3.1	.6	1.1	.0	.0	16.7	.0	.0
Test & Evaluation, Deputy Under Secretary of Defense, R&D	257.0	97.8	150.6	.0	3.5	.0	.0	5.1	.0	.0
Department of Defense, research	4,920.4	1,748.4	1,761.2	20.4	1,112.8	91.2	111.2	37.7	-	37.4
Dept of Defense, development, total	28,246.7	6,338.4	20,467.8	95.6	493.4	194.0	139.7	344.5	6.1	167.3
Department of Defense, advanced technology development	4,192.9	1,133.0	2,495.3	16.0	259.8	78.4	104.9	78.4	5.8	21.3
Department of Defense, major systems development	24,053.8	5,205.4	17,972.6	79.5	233.6	115.6	34.8	266.1	.2	146.0
Department of Education	247.3	10.0	15.0	.0	152.0	.0	70.1	.0	.2	.0
Department of Energy	6,063.1	481.3	915.0	763.4	668.0	2,345.7	96.5	787.7	3.5	2.0

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Federal obligations for total research and development, by agency and performer: fiscal year 2000

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Dept of Health & Human Svcs, total	18,425.9	3,303.0	1,316.9	208.1	10,365.1	51.5	2,949.7	32.7	130.0	68.9
Admin for Children & Families	27.3	1.9	2.7	.0	11.0	.0	10.0	.0	1.8	-
Administration on Aging	2.8	.1	.0	.0	.0	.0	2.8	.0	.0	.0
Agency for Healthcare Research and Quality [4]	198.8	50.5	49.6	.0	65.9	.0	32.6	.0	.0	.2
Agency for Toxic Substances Disease & Registry [5]	14.7	2.8	-	.0	5.2	.0	3.6	.0	3.1	.0
Centers for Disease Control & Prevention	505.0	280.2	46.9	.0	108.3	.0	63.5	.0	6.1	.0
Food & Drug Administration	144.2	112.2	7.9	.0	17.3	.0	6.4	.0	.3	.0
Health Care Financing Admin	61.5	.3	35.3	.0	10.0	.0	11.3	.0	4.2	.4
Health Resources & Services Admin	35.6	6.6	.0	.0	13.7	.0	15.3	.0	.0	.0
National Institutes of Health [6]	16,918.3	2,846.8	803.2	208.1	10,086.7	51.5	2,737.1	32.7	83.9	68.3
Office of the Secretary, total	19.8	1.7	.7	.0	8.8	.0	7.9	.0	.7	.0
Office of the Assistant Secretary, Planning & Evaluation	16.7	1.3	.7	.0	6.1	.0	7.9	.0	.7	.0
Office of Public Hlth & Science	3.1	.4	.0	.0	2.7	.0	.0	.0	.0	.0
Substance Abuse & Mental Health Services Administration [7]	497.8	-	370.5	.0	38.2	.0	59.2	.0	29.9	.0
Dept of Housing & Urban Development	45.6	19.5	12.9	.0	1.4	.0	11.9	.0	.0	.0
Department of the Interior, total	579.9	507.5	14.3	.0	47.2	.0	1.3	.0	7.8	1.8
Bureau of Reclamation	9.8	7.8	.0	.0	1.3	.0	.3	.0	.4	.0
Geological Survey	506.1	471.2	3.4	.0	24.7	.0	.0	.0	6.8	.0
Minerals Management Service	29.2	7.1	8.8	.0	10.8	.0	.6	.0	.1	1.8
National Park Service	34.7	21.4	2.1	.0	10.4	.0	.3	.0	.5	.0
Department of Justice, total	80.5	14.1	11.6	1.0	19.4	.0	10.5	1.4	22.5	.0
Bureau of Prisons	7.8	3.0	.0	.0	.0	.0	.0	.0	4.8	.0
Federal Bureau of Investigation	10.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	62.2	.9	11.3	1.0	19.4	.0	10.5	1.4	17.8	.0
Department of Labor, total	83.7	53.0	6.3	.0	12.9	.0	11.4	.0	.0	.0
Bureau of Labor Statistics	12.3	8.4	.0	.0	3.9	.0	.0	.0	.0	.0
Employment & Training Admin	60.9	41.4	.0	.0	8.3	.0	11.1	.0	.0	.0
Occupational Safety & Health Admin	5.8	2.0	3.8	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	1.3	.1	1.1	.0	.1	.0	.0	.0	.0	.0
Pension & Welfare Benefits Admin	2.7	.9	1.0	.0	.6	.0	.3	.0	.0	.0
Pension Benefit Guaranty Corp	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0
Department of State [8]	1.5	.6	.9	.0	.0	.0	.0	.0	.0	.0
Department of Transportation, total	467.4	175.2	208.8	3.1	40.9	14.7	12.8	5.2	6.3	.5
Coast Guard	20.0	12.8	7.2	-	-	.0	.0	.0	.0	-
Federal Aviation Administration	219.0	73.7	117.1	3.0	11.1	8.8	.0	5.1	.0	.1
Federal Highway Administration	126.7	27.8	61.9	.0	13.7	5.9	11.3	.1	6.0	-
Federal Motor Carrier Safety Administration [9]	3.9	.4	1.6	.0	1.2	.0	.6	.0	.0	.1
Federal Railroad Administration	27.3	13.5	11.4	.0	2.2	.0	.0	.0	.0	.2
Federal Transit Administration	8.9	2.5	.0	.0	6.4	.0	.0	.0	.0	.0
Nat'l Highway Traffic Safety Admin	50.6	36.4	7.9	.0	6.0	.0	.2	.0	.0	-
Office of the Secretary	4.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Admin	6.9	4.0	1.7	.1	.1	.0	.6	.0	.3	.0
Department of the Treasury, total	61.4	42.2	19.2	.0	-	.0	.0	.0	.0	.0
Bureau of Engraving & Printing	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	54.4	37.4	17.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	1.8	.9	.9	.0	.0	.0	.0	.0	.0	.0
United States Mint	1.3	.1	1.1	.0	-	.0	.0	.0	.0	.0
United States Secret Service	1.0	.8	.2	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	341.7	341.7	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Federal obligations for total research and development, by agency and performer: fiscal year 2000

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	.6	-	.3	.0	.3	.0	-	.0	.0	.0
Broadcasting Board of Governors[10]	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency[5]	502.2	319.5	21.1	.0	98.9	.0	48.7	.0	13.1	.8
Federal Communications Commission	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	218.8	25.8	12.7	.0	33.5	.0	146.4	.0	.0	.4
Agcy for International Dvlpmt[11]	218.8	25.8	12.7	.0	33.5	.0	146.4	.0	.0	.4
Library of Congress	2.5	2.2	.3	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin[12]	6,881.9	1,720.5	2,644.3	.2	845.1	1,196.8	421.2	5.1	8.1	40.6
National Archives & Records Admin	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	2,725.5	18.4	115.5	.0	2,265.2	152.0	148.5	4.8	9.2	12.1
Nuclear Regulatory Commission	53.0	14.5	3.0	9.1	5.0	7.2	1.2	11.6	.0	1.5
Smithsonian Institution	98.0	98.0	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Administration	28.7	5.4	9.7	.0	.0	.0	5.9	.7	7.0	.0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

7 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

8 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

9 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

10 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

11 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

12 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: - = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-9. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2001

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Total, all agencies	80,898.1	18,719.5	30,323.3	1,446.2	19,614.9	4,367.8	4,818.3	1,117.2	256.6	234.3
Departments:										
Department of Agriculture, total	1,979.9	1,256.7	20.5	.0	677.6	.0	18.7	.0	3.0	3.4
Agricultural Marketing Service	5.2	5.2	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Research Service	987.3	918.1	.0	.0	60.8	.0	5.2	.0	.4	2.8
Animal & Plant Hlth Inspection Svc	22.0	19.0	.0	.0	3.0	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service	660.9	43.6	16.3	.0	591.3	.0	8.7	.0	.9	.0
Economic Research Service	65.9	56.8	4.0	.0	4.0	.0	1.0	.0	.0	.1
Foreign Agricultural Service	1.4	.8	.0	.0	.6	.0	.0	.0	.0	.0
Forest Service	224.0	202.3	.2	.0	17.6	.0	1.7	.0	1.7	.5
Grain Inspection Packers & Stockyards Administration	5.5	5.5	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.9	3.8	.0	.0	-	.0	-	.0	.0	.0
Rural Business-Cooperative Service	3.9	1.6	.0	.0	.3	.0	2.0	.0	.0	.0
Department of Commerce, total	1,112.4	865.3	99.2	.0	112.0	.0	22.9	-	12.8	.2
Bureau of the Census	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin	.6	.1	.1	.0	.2	.0	.2	.0	.0	.0
Nat'l Inst of Standards & Tech	360.0	247.3	94.8	.0	13.9	.0	3.8	-	.0	.2
Nat'l Oceanic & Atmospheric Admin	701.2	609.8	4.3	.0	86.5	.0	.2	.0	.5	.0
National Telecommunications & Information Administration	50.4	7.9	.0	.0	11.5	.0	18.7	.0	12.3	.0
Department of Defense, total	36,333.5	8,753.5	24,125.6	195.4	2,218.9	287.5	300.4	358.6	3.6	90.0
Defense Agencies, research & development (R&D), total	9,241.8	1,779.8	5,545.6	79.5	1,439.2	188.8	96.1	88.4	.3	24.0
Ballistic Missile Defense Organization, R&D	4,204.6	728.2	3,314.5	40.2	52.6	50.5	2.6	11.2	.0	4.8
Chemical and Biological Defense, R&D [2]	369.1	196.3	130.6	.0	38.1	4.0	.0	-	.0	.0
Defense Advanced Research Projects Agency, R&D	1,860.4	176.6	1,044.3	14.0	450.8	81.8	60.1	28.8	.0	4.0
Defense Information Systems Agency, R&D	176.8	51.9	103.7	.0	.8	.0	6.6	13.8	.0	.0
Defense Logistics Agency, R&D	115.6	59.7	46.8	.0	5.9	.0	1.7	1.6	.0	.0
Defense Threat Reduction Agency, R&D	341.5	92.9	214.9	5.1	5.0	17.5	.7	4.8	.0	.6
Joint Staff, R&D	92.4	92.4	.0	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	245.3	87.7	156.2	.0	1.4	.0	.0	.0	.0	.0
TRICARE Management Activity, R&D [3]	610.0	6.2	90.1	.0	513.6	.0	.0	.0	.0	.0
Washington Headquarters Services, R&D	1,226.2	287.9	444.5	20.2	370.9	35.1	24.5	28.2	.3	14.6
Department of the Air Force, R&D	10,730.3	1,286.7	9,056.2	29.9	111.9	41.8	33.9	157.1	3.4	9.4
Department of the Army, R&D	6,452.6	2,102.3	3,907.1	69.8	232.6	39.5	51.8	21.1	.0	28.3
Department of the Navy, R&D	9,697.7	3,508.6	5,508.6	13.6	434.2	17.3	118.5	68.6	.0	28.4
Operational Test & Evaluation, Director, R&D	189.3	69.3	93.1	2.6	1.0	.0	.0	23.4	.0	.0
Test & Evaluation, Deputy Under Secretary of Defense, R&D	21.8	6.8	15.0	-	.1	.0	.0	.0	.0	.0
Department of Defense, research	5,722.8	1,878.8	1,823.2	27.9	1,727.0	76.0	132.1	36.3	.0	21.6
Dept of Defense, development, total	30,610.7	6,874.7	22,302.4	167.5	491.9	211.5	168.3	322.3	3.6	68.4
Department of Defense, advanced technology development	4,273.4	1,171.8	2,554.2	33.9	264.5	72.9	106.6	49.7	3.4	16.4
Department of Defense, major systems development	26,337.3	5,703.0	19,748.2	133.5	227.4	138.6	61.7	272.6	.3	52.1
Department of Education	273.0	10.7	15.5	.0	173.1	.0	73.5	.0	.2	.0
Department of Energy	6,711.9	571.9	1,131.7	996.1	711.7	2,502.7	85.5	697.2	13.0	2.2

See explanatory information, if any, and SOURCE at end of table.

Table C-9. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2001

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Dept of Health & Human Svcs, total	21,355.1	3,711.5	1,616.2	239.5	12,027.6	59.3	3,425.2	37.7	158.8	79.3
Admin for Children & Families	27.9	1.9	2.8	.0	11.2	.0	10.2	.0	1.8	-
Administration on Aging	3.7	.1	.0	.0	.0	.0	3.6	.0	.0	.0
Agency for Healthcare Research and Quality [4]	269.8	69.4	68.5	.0	88.8	.0	43.1	.0	.0	.0
Agency for Toxic Substances Disease & Registry [5]	15.4	2.9	.0	.0	5.5	.0	3.7	.0	3.3	.0
Centers for Disease Control & Prevention	569.9	328.1	61.9	.0	108.3	.0	63.5	.0	8.1	.0
Food & Drug Administration	151.5	117.7	8.3	.0	18.1	.0	6.8	.0	.4	.2
Health Care Financing Admin	138.3	-	80.0	.0	22.1	.0	26.2	.0	9.7	.4
Health Resources & Services Admin	51.0	9.6	.0	.0	17.9	.0	23.4	.0	.0	.0
National Institutes of Health [6]	19,472.7	3,180.0	924.5	239.5	11,696.0	59.3	3,160.4	37.7	96.8	78.6
Office of the Secretary, total	20.2	1.8	.7	.0	9.1	.0	8.0	.0	.7	.0
Office of the Assistant Secretary, Planning & Evaluation	17.0	1.4	.7	.0	6.3	.0	8.0	.0	.7	.0
Office of Public Hlth & Science	3.2	.4	.0	.0	2.8	.0	.0	.0	.0	.0
Substance Abuse & Mental Health Services Administration [7]	634.6	-	469.6	.0	50.8	.0	76.2	.0	38.1	.0
Dept of Housing & Urban Development	53.9	23.2	15.1	.0	1.6	.0	14.0	.0	.0	.0
Department of the Interior, total	623.7	538.4	11.0	.0	64.1	.0	1.3	.0	7.8	1.1
Bureau of Reclamation	10.2	8.1	.0	.0	1.4	.0	.4	.0	.4	.0
Geological Survey	549.5	502.9	.0	.0	39.6	.0	.0	.0	7.0	.0
Minerals Management Service	29.4	10.0	8.5	.0	9.2	.0	.6	.0	.0	1.1
National Park Service	34.7	17.4	2.5	.0	14.0	.0	.4	.0	.5	.0
Department of Justice, total	100.5	13.6	14.3	1.0	37.8	.0	23.1	.0	10.8	.0
Bureau of Prisons	7.7	3.1	.0	.0	.0	.0	.0	.0	4.6	.0
Federal Bureau of Investigation	9.2	9.2	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	83.1	.9	14.1	1.0	37.8	.0	23.1	.0	6.2	.0
Department of Labor, total	87.1	55.9	6.3	.0	13.4	.0	11.5	.0	.0	.0
Bureau of Labor Statistics	12.3	8.4	.0	.0	3.9	.0	.0	.0	.0	.0
Employment & Training Admin	63.9	44.0	.0	.0	8.7	.0	11.2	.0	.0	.0
Occupational Safety & Health Admin	5.5	2.1	3.4	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	1.2	.1	1.1	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefits Admin	3.5	1.0	1.4	.0	.8	.0	.4	.0	.0	.0
Pension Benefit Guaranty Corp	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0
Department of State [8]	1.6	.6	1.0	.0	.0	.0	.0	.0	.0	.0
Department of Transportation, total	609.1	190.4	309.2	7.0	57.0	12.9	22.0	4.3	5.1	1.3
Coast Guard	23.6	15.0	8.6	.0	-	.0	.0	.0	.0	.0
Federal Aviation Administration	296.7	76.9	187.4	2.6	12.9	12.5	.0	4.3	.0	.1
Federal Highway Administration	152.0	29.1	74.8	4.4	20.1	.4	18.4	.0	4.9	.0
Federal Motor Carrier Safety Administration [9]	11.5	1.0	4.6	.0	3.8	.0	1.9	.0	.0	.2
Federal Railroad Administration	30.5	12.5	15.3	.0	2.2	.0	.0	.0	.0	.5
Federal Transit Administration	12.6	2.6	.0	.0	10.0	.0	.0	.0	.0	.0
Nat'l Highway Traffic Safety Admin	58.3	34.7	14.8	.0	8.0	.0	.3	.0	.0	.5
Office of the Secretary	12.9	12.9	.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Admin	11.0	5.7	3.8	.0	.0	.0	1.4	.0	.2	.0
Department of the Treasury, total	74.4	56.8	17.6	.0	-	.0	.0	.0	.0	.0
Bureau of Engraving & Printing	3.5	3.5	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	65.6	51.3	14.3	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	3.3	1.0	2.3	.0	.0	.0	.0	.0	.0	.0
United States Mint	.9	.1	.8	.0	-	.0	.0	.0	.0	.0
United States Secret Service	.9	.7	.3	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	350.2	350.2	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-9. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2001

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	.7	-	.2	.0	.4	.0	.1	.0	.0	.0
Broadcasting Board of Governors[10]	-	-	.0	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency[5]	573.8	342.1	26.8	.0	125.5	.0	61.7	.0	16.7	1.0
Federal Communications Commission	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	226.4	27.5	15.2	.0	31.5	.0	152.2	.0	.0	.0
Agcy for International Dvlpmt[11]	226.4	27.5	15.2	.0	31.5	.0	152.2	.0	.0	.0
Library of Congress	2.8	1.3	1.5	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin[12]	7,220.9	1,805.2	2,743.5	.2	845.1	1,331.1	442.0	5.1	8.1	40.6
National Archives & Records Admin	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	3,015.3	20.3	130.6	.0	2,504.5	167.5	163.7	5.3	10.1	13.3
Nuclear Regulatory Commission	50.0	15.5	4.0	7.0	5.1	6.7	.6	9.1	.0	1.9
Smithsonian Institution	100.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Administration	38.5	5.5	18.6	.0	7.9	.0	.0	.0	6.5	.0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

7 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

8 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

9 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

10 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

11 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

12 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: - = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2002

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Total, all agencies	80,645.5	18,285.2	29,815.0	1,397.4	20,198.9	4,213.8	5,090.9	1,118.9	269.3	256.1
Departments:										
Department of Agriculture, total	1,805.9	1,268.2	14.1	.0	500.9	.0	16.3	.0	3.0	3.4
Agricultural Marketing Service	5.2	5.2	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Research Service	980.3	922.0	.0	.0	49.9	.0	5.2	.0	.4	2.8
Animal & Plant Hlth Inspection Svc	23.4	20.4	.0	.0	3.0	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service	476.8	33.8	11.9	.0	423.8	.0	6.4	.0	.9	.0
Economic Research Service	67.2	60.1	2.0	.0	4.0	.0	1.0	.0	.0	.1
Foreign Agricultural Service	1.4	.8	.0	.0	.6	.0	.0	.0	.0	.0
Forest Service	236.0	214.3	.2	.0	17.6	.0	1.7	.0	1.7	.5
Grain Inspection Packers & Stockyards Administration	6.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.9	3.9	.0	.0	-	.0	-	.0	.0	.0
Rural Business-Cooperative Service	5.6	1.6	.0	.0	2.0	.0	2.0	.0	.0	.0
Department of Commerce, total	1,111.6	911.3	74.2	.0	109.1	.1	10.0	.1	6.5	.2
Economic Development Admin	.6	.1	.1	.0	.2	.0	.2	.0	.0	.0
Nat'l Inst of Standards & Tech	343.4	255.9	71.4	.0	12.8	.0	3.2	-	.0	.2
Nat'l Oceanic & Atmospheric Admin	748.1	648.3	2.7	.0	92.8	.1	1.2	.1	2.9	.0
National Telecommunications & Information Administration	19.5	7.1	.0	.0	3.4	.0	5.5	.0	3.6	.0
Department of Defense, total	34,235.3	7,898.7	23,473.8	212.1	1,615.3	272.4	258.0	400.5	2.9	101.7
Defense Agencies, research & development (R&D), total	7,937.0	1,525.5	4,904.6	44.5	997.6	214.7	103.6	92.8	.1	53.6
Ballistic Missile Defense Organization, R&D	2,992.4	515.4	2,360.8	1.2	32.2	38.6	2.4	9.7	.0	32.0
Chemical and Biological Defense, R&D [2]	395.8	203.3	138.8	.0	40.8	10.3	.0	2.5	.0	.0
Defense Advanced Research Projects Agency, R&D	2,341.1	219.6	1,318.1	17.7	564.3	104.1	76.4	35.9	.0	5.0
Defense Information Systems Agency, R&D	216.4	64.0	131.7	.0	1.0	.3	8.4	11.1	.0	.0
Defense Logistics Agency, R&D	51.9	31.6	15.3	.0	3.8	.0	.6	.6	.0	.0
Defense Threat Reduction Agency, R&D	361.9	57.4	290.3	3.2	1.3	7.4	.5	1.8	.0	.0
Joint Staff, R&D	60.0	60.0	.0	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	253.2	77.8	174.0	.0	1.4	.0	.0	.0	.0	.0
TRICARE Management Activity, R&D [3]	114.0	4.9	64.8	.0	44.4	.0	.0	.0	.0	.0
Washington Headquarters Services, R&D	1,150.5	291.5	410.9	22.4	308.4	54.0	15.4	31.2	.1	16.5
Department of the Air Force, R&D	10,130.3	1,078.6	8,590.2	100.8	119.3	14.3	24.5	196.2	2.0	4.3
Department of the Army, R&D	6,263.5	1,860.7	4,138.9	55.0	113.1	25.0	27.4	25.4	.7	17.3
Department of the Navy, R&D	9,703.5	3,362.8	5,735.8	9.1	384.5	18.5	102.5	63.8	.0	26.5
Operational Test & Evaluation, Director, R&D	201.0	71.1	104.3	2.6	.7	.0	.0	22.3	.0	.0
Department of Defense, research	5,020.2	1,688.6	1,789.5	28.4	1,233.8	93.3	125.2	42.1	.5	18.8
Dept of Defense, development, total	29,215.0	6,210.1	21,684.2	183.7	381.5	179.2	132.7	358.4	2.3	82.9
Department of Defense, advanced technology development	3,968.1	943.4	2,530.6	34.9	214.6	86.8	94.0	52.4	2.2	9.2
Department of Defense, major systems development	25,247.0	5,266.6	19,153.6	148.8	166.9	92.4	38.7	306.0	.1	73.8
Department of Education	268.4	10.6	18.4	.0	174.2	.0	65.0	.0	.2	.0
Department of Energy	6,321.8	510.1	1,078.8	895.0	643.6	2,481.8	49.6	649.8	11.5	1.5

See explanatory information, if any, and SOURCE at end of table.

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2002

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Dept of Health & Human Svcs, total	23,815.9	4,133.7	1,710.3	270.4	13,528.6	67.0	3,806.9	42.5	167.1	89.4
Admin for Children & Families	28.5	2.0	2.8	.0	11.4	.0	10.4	.0	1.9	-
Agency for Healthcare Research and Quality [4]	306.2	78.8	77.7	.0	100.8	.0	48.9	.0	.0	.0
Agency for Toxic Substances Disease & Registry [5]	16.1	3.0	.0	.0	5.7	.0	3.9	.0	3.5	.0
Centers for Disease Control & Prevention	568.5	331.1	57.4	.0	108.3	.0	63.5	.0	8.1	.0
Food & Drug Administration	158.5	123.2	8.7	.0	18.9	.0	7.1	.0	.4	.2
Health Care Financing Admin	55.3	-	31.8	.0	8.8	.0	10.4	.0	3.8	.4
Health Resources & Services Admin	20.9	3.9	.0	.0	9.3	.0	7.7	.0	.0	.0
National Institutes of Health [6]	21,982.5	3,589.8	1,043.6	270.4	13,203.4	67.0	3,567.7	42.5	109.2	88.8
Office of the Secretary, total	20.6	1.8	.7	.0	9.3	.0	8.1	.0	.7	.0
Office of the Assistant Secretary, Planning & Evaluation	17.3	1.4	.7	.0	6.4	.0	8.1	.0	.7	.0
Office of Public Hlth & Science	3.3	.4	.0	.0	2.9	.0	.0	.0	.0	.0
Substance Abuse & Mental Health Services Administration [7]	658.7	-	487.5	.0	52.7	.0	79.0	.0	39.5	.0
Dept of Housing & Urban Development	44.1	19.0	12.4	.0	1.3	.0	11.5	.0	.0	.0
Department of the Interior, total	564.4	497.4	12.2	.0	45.2	.0	.7	.0	7.7	1.2
Bureau of Reclamation	8.4	6.7	.0	.0	1.1	.0	.3	.0	.3	.0
Geological Survey	490.8	464.5	.0	.0	19.4	.0	.0	.0	6.9	.0
Minerals Management Service	29.4	8.7	9.6	.0	9.9	.0	.1	.0	.0	1.2
National Park Service	35.8	17.6	2.6	.0	14.7	.0	.4	.0	.5	.0
Department of Justice, total	79.0	17.4	12.7	1.0	17.3	.0	21.2	.0	9.5	.0
Bureau of Prisons	8.0	3.2	.0	.0	.0	.0	.0	.0	4.8	.0
Federal Bureau of Investigation	13.2	13.2	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	57.2	.7	12.4	1.0	17.3	.0	21.2	.0	4.7	.0
Department of Labor, total	90.6	59.2	6.4	.0	13.2	.0	11.8	.0	.0	.0
Bureau of Labor Statistics	12.3	8.4	.0	.0	3.9	.0	.0	.0	.0	.0
Employment & Training Admin	67.2	47.3	.0	.0	8.5	.0	11.4	.0	.0	.0
Occupational Safety & Health Admin	5.7	2.2	3.5	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	1.2	.1	1.1	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefits Admin	3.5	1.0	1.4	.0	.8	.0	.4	.0	.0	.0
Pension Benefit Guaranty Corp	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0
Department of State [8]	1.6	.6	1.0	.0	.0	.0	.0	.0	.0	.0
Department of Transportation, total	585.0	213.8	261.9	5.7	49.0	12.1	21.0	5.3	15.0	1.2
Coast Guard	22.6	14.4	8.3	.0	-	.0	.0	.0	.0	.0
Federal Aviation Administration	259.2	82.0	145.7	2.7	12.9	10.5	.0	5.3	.0	.1
Federal Highway Administration	177.9	48.7	70.4	3.0	22.3	1.5	17.1	.0	14.8	.0
Federal Motor Carrier Safety Administration [9]	14.1	2.0	5.3	.0	4.4	.0	2.3	.0	.0	.3
Federal Railroad Administration	29.9	13.0	15.0	.0	1.5	.0	.0	.0	.0	.3
Federal Transit Administration	7.1	5.1	.0	.0	2.0	.0	.0	.0	.0	.0
Nat'l Highway Traffic Safety Admin	59.0	37.8	14.5	.0	5.9	.0	.4	.0	.0	.5
Office of the Secretary	5.2	5.2	.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Admin	9.8	5.7	2.7	.0	.0	.0	1.3	.0	.2	.0
Department of the Treasury, total	79.3	59.5	19.7	.0	-	.0	.0	.0	.0	.0
Bureau of Engraving & Printing	3.5	3.5	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	68.9	53.9	15.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	4.9	1.0	3.9	.0	.0	.0	.0	.0	.0	.0
United States Mint	.6	.1	.5	.0	-	.0	.0	.0	.0	.0
United States Secret Service	1.1	.8	.3	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	360.2	360.2	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2002

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	.8	-	.3	.0	.4	.0	.1	.0	.0	.0
Broadcasting Board of Governors[10]	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency[5]	535.0	321.0	24.8	.0	115.9	.0	57.0	.0	15.4	1.0
Federal Communications Commission	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	227.3	27.5	15.2	.0	31.5	.0	153.2	.0	.0	.0
Agcy for International Dvlpmt[11]	227.3	27.5	15.2	.0	31.5	.0	153.2	.0	.0	.0
Library of Congress	2.6	1.4	1.2	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin[12]	7,259.4	1,814.9	2,900.7	.2	845.1	1,199.7	444.4	5.1	8.1	41.3
National Archives & Records Admin	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	3,017.1	20.3	130.3	.0	2,506.2	167.6	163.9	5.3	10.2	13.3
Nuclear Regulatory Commission	55.0	16.1	3.0	13.1	2.2	7.9	.5	10.4	.0	1.9
Smithsonian Institution	102.0	102.0	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Administration	80.4	19.1	43.8	.0	.0	5.2	.0	.0	12.3	.0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

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11 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

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KEY: - = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-11. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by indus-trial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by indus-trial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	6,385,489	1,100,867	4,053,157	1,231,465	834,859	27,567	613,840	193,452
Department of Commerce, total	125	0	100	25	0	0	0	0
Nat'l Inst of Standards & Tech	25	0	0	25	0	0	0	0
Nat'l Oceanic & Atmospheric Admin	100	0	100	0	0	0	0	0
Department of Defense, total	783,462	116,006	285,201	382,255	353	138	125	90
Defense Agencies, total	365,331	81,339	195,498	88,494	353	138	125	90
Ballistic Missile Defense Org	117,173	51,484	49,220	16,469	0	0	0	0
Chemical and Biological Defense[1]	6,196	0	6,036	160	0	0	0	0
Defense Adv Rsch Projects Agcy	121,412	13,239	81,056	27,117	0	0	0	0
Defense Info Systems Agcy	7,957	0	322	7,635	0	0	0	0
Defense Logistics Agency	2,350	0	0	2,350	0	0	0	0
Defense Threat Reduction Agency	30,564	7,744	19,113	3,707	0	0	0	0
Washington Headquarters Svcs	79,679	8,872	39,751	31,056	353	138	125	90
Department of the Air Force	203,083	26,868	12,844	163,371	0	0	0	0
Department of the Army	65,715	3,038	35,066	27,611	0	0	0	0
Department of the Navy	126,918	4,186	41,793	80,939	0	0	0	0
Operational Test & Evaluation, Director	17,303	575	0	16,728	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	5,112	0	0	5,112	0	0	0	0
Department of Energy	3,896,749	763,368	2,345,662	787,719	767,467	27,429	555,576	184,462
Dept of Health & Human Svcs, total	292,348	208,086	51,548	32,714	0	0	0	0
National Institutes of Health[2]	292,348	208,086	51,548	32,714	0	0	0	0
Department of Justice, total	2,390	1,000	0	1,390	0	0	0	0
Office of Justice Programs	2,390	1,000	0	1,390	0	0	0	0
Department of Transportation, total	23,032	3,140	14,702	5,190	0	0	0	0
Coast Guard	30	30	0	0	0	0	0	0
Federal Aviation Administration	16,960	3,048	8,781	5,131	0	0	0	0
Federal Highway Administration	5,980	0	5,921	59	0	0	0	0
Research & Special Programs Admin	62	62	0	0	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin[3]	1,202,094	165	1,196,805	5,124	38,030	0	29,130	8,900
National Science Foundation	156,763	0	151,985	4,778	29,009	0	29,009	0
Nuclear Regulatory Commission	27,835	9,102	7,154	11,579	0	0	0	0
Social Security Administration	691	0	0	691	0	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-12. Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by indus-trial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by indus-trial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	6,931,149	1,446,191	4,367,755	1,117,203	973,639	47,661	574,313	351,665
Department of Commerce, total	25	0	0	25	0	0	0	0
Nat'l Inst of Standards & Tech	25	0	0	25	0	0	0	0
Department of Defense, total	841,487	195,390	287,522	358,575	182	118	0	64
Defense Agencies, total	356,785	79,538	188,814	88,433	182	118	0	64
Ballistic Missile Defense Org	101,877	40,241	50,476	11,160	0	0	0	0
Chemical and Biological Defense[1]	4,028	0	4,003	25	0	0	0	0
Defense Adv Rsch Projects Agcy	124,627	14,039	81,808	28,780	0	0	0	0
Defense Info Systems Agcy	13,845	0	0	13,845	0	0	0	0
Defense Logistics Agency	1,599	0	0	1,599	0	0	0	0
Defense Threat Reduction Agency	27,366	5,096	17,463	4,807	0	0	0	0
Washington Headquarters Svcs	83,443	20,162	35,064	28,217	182	118	0	64
Department of the Air Force	228,783	29,850	41,839	157,094	0	0	0	0
Department of the Army	130,518	69,823	39,549	21,146	0	0	0	0
Department of the Navy	99,432	13,560	17,320	68,552	0	0	0	0
Operational Test & Evaluation, Director	25,968	2,618	0	23,350	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	1	1	0	0	0	0	0	0
Department of Energy	4,196,012	996,123	2,502,736	697,153	910,632	47,543	520,088	343,001
Dept of Health & Human Svcs, total	336,488	239,503	59,332	37,653	0	0	0	0
National Institutes of Health[2]	336,488	239,503	59,332	37,653	0	0	0	0
Department of Justice, total	1,000	1,000	0	0	0	0	0	0
Office of Justice Programs	1,000	1,000	0	0	0	0	0	0
Department of Transportation, total	24,188	6,995	12,902	4,291	0	0	0	0
Federal Aviation Administration	19,383	2,600	12,492	4,291	0	0	0	0
Federal Highway Administration	4,805	4,395	410	0	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin[3]	1,336,378	165	1,331,089	5,124	27,600	0	19,000	8,600
National Science Foundation	172,717	0	167,458	5,259	35,225	0	35,225	0
Nuclear Regulatory Commission	22,854	7,015	6,716	9,123	0	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-13. Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by indus-trial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by indus-trial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	6,730,142	1,397,383	4,213,818	1,118,941	982,045	62,775	535,124	384,146
Department of Commerce, total	260	0	142	118	0	0	0	0
Nat'l Inst of Standards & Tech	26	0	0	26	0	0	0	0
Nat'l Oceanic & Atmospheric Admin	234	0	142	92	0	0	0	0
Department of Defense, total	884,928	212,052	272,417	400,459	420	187	116	117
Defense Agencies, total	352,007	44,511	214,729	92,767	420	187	116	117
Ballistic Missile Defense Org	49,513	1,204	38,646	9,663	0	0	0	0
Chemical and Biological Defense[1]	12,807	0	10,301	2,506	0	0	0	0
Defense Adv Rsch Projects Agcy	157,711	17,728	104,097	35,886	0	0	0	0
Defense Info Systems Agcy	11,351	0	300	11,051	0	0	0	0
Defense Logistics Agency	600	0	0	600	0	0	0	0
Defense Threat Reduction Agency	12,420	3,204	7,384	1,832	0	0	0	0
Washington Headquarters Svcs	107,605	22,375	54,001	31,229	420	187	116	117
Department of the Air Force	311,232	100,794	14,253	196,185	0	0	0	0
Department of the Army	105,395	54,978	24,976	25,441	0	0	0	0
Department of the Navy	91,342	9,126	18,459	63,757	0	0	0	0
Operational Test & Evaluation, Director	24,952	2,643	0	22,309	0	0	0	0
Department of Energy	4,026,537	894,975	2,481,784	649,778	928,295	62,588	491,478	374,229
Dept of Health & Human Svcs, total	379,856	270,371	66,979	42,506	0	0	0	0
National Institutes of Health[2]	379,856	270,371	66,979	42,506	0	0	0	0
Department of Justice, total	1,000	1,000	0	0	0	0	0	0
Office of Justice Programs	1,000	1,000	0	0	0	0	0	0
Department of Transportation, total	23,018	5,700	12,050	5,268	0	0	0	0
Federal Aviation Administration	18,508	2,700	10,540	5,268	0	0	0	0
Federal Highway Administration	4,510	3,000	1,510	0	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin[3]	1,204,982	165	1,199,693	5,124	25,300	0	15,500	9,800
National Science Foundation	172,903	0	167,638	5,265	28,030	0	28,030	0
Nuclear Regulatory Commission	31,458	13,120	7,915	10,423	0	0	0	0
Social Security Administration	5,200	0	5,200	0	0	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 2000

[Dollars in thousands]

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services[1]	National Aeronautics & Space Admin[2]	National Science Foundation	Other
Total, all FFRDCs	6,385,489	125	783,462	3,896,749	292,348	1,202,094	156,763	53,948
FFRDCs administered by industrial firms	1,100,867	0	116,006	763,368	208,086	165	0	13,242
Idaho National Engineering and Environmental Laboratory	122,637	0	1,137	116,444	0	165	0	4,891
National Cancer Institute at Frederick[3]	208,586	0	500	0	208,086	0	0	0
Sandia National Laboratories	737,537	0	114,111	615,075	0	0	0	8,351
Savannah River Technology Center	32,107	0	258	31,849	0	0	0	0
FFRDCs administered by universities & colleges[4]	4,053,157	100	285,201	2,345,662	51,548	1,196,805	151,985	21,856
Ames Laboratory	19,873	0	0	19,268	0	0	0	605
Argonne National Laboratory	233,751	100	4,264	223,230	0	151	0	6,006
Ernest Orlando Lawrence Berkeley National Laboratory	272,693	0	3,073	234,818	31,063	3,269	470	0
Fermi National Accelerator Laboratory	216,830	0	124	216,706	0	0	0	0
Jet Propulsion Laboratory	1,201,263	0	10,604	0	0	1,190,538	121	0
Lawrence Livermore National Laboratory	732,077	0	36,616	685,979	6,787	2,087	8	600
Lincoln Laboratory	182,671	0	181,346	0	0	0	0	1,325
Los Alamos National Laboratory	728,450	0	21,501	688,344	13,698	458	201	4,248
National Astronomy & Ionosphere Ctr	8,783	0	0	0	0	0	8,783	0
National Center for Atmospheric Rsch	78,952	0	52	0	0	302	72,172	6,426
National Optical Astronomy Observatories[5]	37,690	0	0	0	0	0	37,690	0
National Radio Astronomy Observatory	32,540	0	0	0	0	0	32,540	0
Oak Ridge Institute for Science & Ed	10,151	0	304	7,201	0	0	0	2,646
Princeton Plasma Physics Laboratory	56,391	0	221	56,170	0	0	0	0
Software Engineering Institute	16,737	0	16,737	0	0	0	0	0
Stanford Linear Accelerator Center	150,320	0	1,059	149,261	0	0	0	0
Thomas Jefferson National Accelerator Facility[6]	73,985	0	9,300	64,685	0	0	0	0
FFRDCs administered by nonprofit institutions[7]	1,231,465	25	382,255	787,719	32,714	5,124	4,778	18,850
Aerospace Federally Funded Research & Development Center	112,050	0	110,474	0	0	0	186	1,390
Arroyo Center[8]	664	0	536	0	128	0	0	0
Brookhaven National Laboratory[9]	249,055	20	500	235,244	7,914	612	0	4,765
C3I Federally Funded Research & Development Center[10]	136,607	0	136,607	0	0	0	0	0
Center for Advanced Aviation System Development[10]	10,636	0	5,180	0	700	0	0	4,756
Center for Naval Analyses	48,217	0	47,904	0	0	0	313	0
Institute for Defense Analyses Communications & Computing FFRDC[11]	6,886	0	6,886	0	0	0	0	0
Institute for Defense Analyses Studies & Analyses FFRDC	46,293	0	46,293	0	0	0	0	0
Internal Revenue Service (IRS) Federally Funded Research and Dvlpmt Ctr[10 12]	40	0	40	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 2000

[Dollars in thousands]

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services[1]	National Aeronautics & Space Admin[2]	National Science Foundation	Other
National Defense Research Institute[8]	29,435	0	9,400	0	20,035	0	0	0
National Renewable Energy Laboratory[13]	123,046	5	0	123,041	0	0	0	0
Oak Ridge National Laboratory[14]	312,445	0	11,182	292,916	0	3,795	0	4,552
Pacific Northwest National Laboratory	150,945	0	7,028	136,518	3,937	717	49	2,696
Project Air Force	225	0	225	0	0	0	0	0
Science and Technology Policy Institute, The[8 15]	4,921	0	0	0	0	0	4,230	691

1 Beginning in fiscal year 2000, the National Institutes of Health in the Department of Health & Human Services classified all of its development activities as research.

2 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

3 In 2000, the name was changed from NCI Frederick Cancer Research and Development Center. It continues to be a Federally Funded Research and Development Center.

4 Includes university consortia.

5 Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

6 In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

7 That is, other than universities and colleges.

8 The following portions of the RAND Corporation are FFRDCs: National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), the Arroyo Center, and The Science and Technology Policy Institute (formerly Critical Technologies Institute). All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

9 On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

10 Only the C3I Federally Funded Research and Development Center, the Center for Advanced Aviation System Development, and the Internal Revenue Service (IRS) Federally Funded Research and Development Center (FFRDC) parts of the MITRE Corporation are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

11 Although the Institute for Defense Analyses Communications & Computing FFRDC has been in existence since 1956, the Department of Defense added it to the Master Government List of FFRDCs for the first time in October 1995.

12 In October 1998 the Tax Systems Modernization Institute (IIT Research Institute) Lanham, MD was replaced with the Internal Revenue Service (IRS) Federally Funded Research and Development Center (FFRDC) administered by the MITRE Corporation in McLean, VA.

13 In September 1991 the name was changed from Solar Energy Research Institute.

14 On April 1, 2000, Oak Ridge National Laboratory acquired a new nonprofit administrator (UT-Battelle, LLC). The Previous administrator was the industrial firm Lockheed Martin Energy Research Corp.

15 On October 1, 1998, the Critical Technologies Institute was renamed The Science and Technology Policy Institute.

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-15. Federal obligations for R&D plant to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 2000

[Dollars in thousands]

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aero-nautics & Space Admin[1]	National Science Founda-tion	Other
Total, all FFRDCs	834,859	0	353	767,467	0	38,030	29,009	0
FFRDCs administered by industrial firms	27,567	0	138	27,429	0	0	0	0
Idaho National Engineering and Environmental Laboratory	2,850	0	0	2,850	0	0	0	0
Sandia National Laboratories	24,579	0	0	24,579	0	0	0	0
Savannah River Technology Center	138	0	138	0	0	0	0	0
FFRDCs administered by universities & colleges[2]	613,840	0	125	555,576	0	29,130	29,009	0
Ames Laboratory	3,568	0	0	3,568	0	0	0	0
Argonne National Laboratory	31,363	0	0	31,363	0	0	0	0
Ernest Orlando Lawrence Berkeley National Laboratory	70,191	0	15	70,176	0	0	0	0
Fermi National Accelerator Laboratory	78,115	0	0	78,115	0	0	0	0
Jet Propulsion Laboratory	29,140	0	10	0	0	29,130	0	0
Lawrence Livermore National Laboratory	255,904	0	50	255,854	0	0	0	0
Los Alamos National Laboratory	66,973	0	50	66,923	0	0	0	0
National Center for Atmospheric Rsch	20,590	0	0	0	0	0	20,590	0
National Optical Astronomy Observatories[3]	151	0	0	0	0	0	151	0
National Radio Astronomy Observatory	8,268	0	0	0	0	0	8,268	0
Oak Ridge Institute for Science & Ed	1,276	0	0	1,276	0	0	0	0
Princeton Plasma Physics Laboratory	9,068	0	0	9,068	0	0	0	0
Stanford Linear Accelerator Center	30,366	0	0	30,366	0	0	0	0
Thomas Jefferson National Accelerator Facility[4]	8,867	0	0	8,867	0	0	0	0
FFRDCs administered by nonprofit institutions[5]	193,452	0	90	184,462	0	8,900	0	0
Brookhaven National Laboratory[6]	60,144	0	50	51,194	0	8,900	0	0
National Renewable Energy Laboratory[7]	1,599	0	0	1,599	0	0	0	0
Oak Ridge National Laboratory[8]	123,346	0	0	123,346	0	0	0	0
Pacific Northwest National Laboratory	8,363	0	40	8,323	0	0	0	0

1 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

2 Includes university consortia.

3 Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

4 In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

5 That is, other than universities and colleges.

6 On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

7 In September 1991 the name was changed from Solar Energy Research Institute.

8 On April 1, 2000, Oak Ridge National Laboratory acquired a new nonprofit administrator (UT-Battelle, LLC). The Previous administrator was the industrial firm Lockheed Martin Energy Research Corp.

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-16. Federal obligations for research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	38,470,550	9,449,563	4,801,153	700,263	16,015,881	2,773,234	3,719,843	696,080	162,517	152,016
Departments:										
Department of Agriculture, total	1,611,466	1,023,439	17,150	0	547,146	0	17,541	0	2,955	3,235
Agricultural Marketing Service	4,294	3,888	0	0	406	0	0	0	0	0
Agricultural Research Service	805,055	752,000	0	0	45,395	0	4,746	0	359	2,555
Cooperative State Research, Education, & Extension Service	535,042	33,676	12,422	0	479,270	0	8,735	0	939	0
Economic Research Service	64,152	55,043	4,528	0	3,670	0	743	0	0	168
Food Safety Inspection Service	2,035	2,035	0	0	0	0	0	0	0	0
Foreign Agricultural Service	1,422	808	0	0	614	0	0	0	0	0
Forest Service	191,780	170,125	200	0	17,552	0	1,734	0	1,657	512
Grain Inspection Packers & Stockyards Administration	720	720	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,856	3,644	0	0	169	0	43	0	0	0
Rural Business-Cooperative Svc	3,110	1,500	0	0	70	0	1,540	0	0	0
Department of Commerce, total	895,916	708,169	84,574	0	95,947	100	4,046	25	2,851	204
Bureau of the Census	4,285	4,285	0	0	0	0	0	0	0	0
Economic Development Admin	576	50	68	0	373	0	85	0	0	0
Nat'l Inst of Standards & Tech	308,554	214,988	79,625	0	10,901	0	2,828	25	0	187
Nat'l Oceanic & Atmospheric Admin	578,471	484,816	4,881	0	84,673	100	1,133	0	2,851	17
National Telecommunications & Information Administration	4,030	4,030	0	0	0	0	0	0	0	0
Department of Defense, total	4,920,353	1,748,443	1,761,157	20,424	1,112,752	91,243	111,222	37,717	30	37,365
Defense Agencies, total	1,899,310	316,769	752,600	15,843	666,472	75,952	33,954	33,443	0	4,277
Ballistic Missile Defense Org	104,147	19,168	73,629	0	11,125	200	25	0	0	0
Chemical and Biological Defense [2]	121,080	83,620	13,373	0	23,778	239	0	70	0	0
Defense Adv Rsch Projects Agcy	954,791	73,497	466,968	9,220	312,818	43,434	32,684	12,928	0	3,242
Defense Info Systems Agcy	1,332	57	1,275	0	0	0	0	0	0	0
Defense Logistics Agency	8,084	6,174	0	0	0	0	0	1,910	0	0
Defense Threat Reduction Agency	259,970	91,001	152,001	5,176	847	6,555	690	2,665	0	1,035
Special Operations Command	19,494	6,067	11,413	0	2,014	0	0	0	0	0
TRICARE Management Activity [3]	69,071	3,453	6,217	0	59,401	0	0	0	0	0
Washington Headquarters Svcs	361,341	33,732	27,724	1,447	256,489	25,524	555	15,870	0	0
Department of the Air Force	1,096,514	530,385	417,503	4,004	107,230	1,822	12,493	2,212	0	20,865
Department of the Army	970,870	535,676	294,963	162	116,776	1,259	18,646	665	30	2,693
Department of the Navy	953,659	365,613	296,091	415	222,274	12,210	46,129	1,397	0	9,530
Department of Education	163,546	6,515	6,545	0	111,910	0	38,417	0	159	0
Department of Energy	4,100,855	198,501	188,783	458,346	618,540	1,964,338	70,156	598,689	2,550	952

See explanatory information, if any, and SOURCE at end of table.

Table C-16. Federal obligations for research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Dept of Health & Human Svcs, total	17,913,064	3,290,647	946,389	208,086	10,324,194	51,548	2,890,452	32,714	100,129	68,905
Admin for Children & Families	27,343	1,876	2,695	0	10,951	0	9,998	0	1,782	41
Administration on Aging	2,829	69	0	0	0	0	2,760	0	0	0
Agency for Healthcare Research and Quality [4]	186,841	38,535	49,640	0	65,915	0	32,599	0	0	152
Agency for Toxic Substances Disease & Registry [5]	14,675	2,770	10	0	5,210	0	3,552	0	3,133	0
Centers for Disease Control & Prevention	505,022	280,159	46,893	0	108,325	0	63,530	0	6,115	0
Food & Drug Administration	144,238	112,222	7,947	0	17,287	0	6,446	0	336	0
Health Care Financing Admin	61,482	303	35,342	0	10,005	0	11,288	0	4,165	379
Health Resources & Services Admin	35,615	6,562	0	0	13,706	0	15,347	0	0	0
National Institutes of Health [6]	16,918,319	2,846,815	803,194	208,086	10,086,658	51,548	2,737,074	32,714	83,897	68,333
Office of the Secretary, total	16,700	1,336	668	0	6,137	0	7,858	0	701	0
Office of the Asst Secretary, Planning & Evaluation	16,700	1,336	668	0	6,137	0	7,858	0	701	0
Dept of Housing & Urban Development	15,468	9,550	1,547	0	796	0	3,575	0	0	0
Department of the Interior, total	548,464	479,720	12,054	0	45,866	0	1,290	0	7,771	1,763
Bureau of Reclamation	7,386	6,203	0	0	464	0	347	0	372	0
Geological Survey	477,143	445,014	1,153	0	24,165	0	0	0	6,811	0
Minerals Management Service	29,213	7,089	8,820	0	10,832	0	607	0	102	1,763
National Park Service	34,722	21,414	2,081	0	10,405	0	336	0	486	0
Department of Justice, total	49,579	3,325	10,911	1,000	17,382	0	8,225	0	8,736	0
Bureau of Prisons	3,433	2,500	0	0	0	0	0	0	933	0
Office of Justice Programs	46,146	825	10,911	1,000	17,382	0	8,225	0	7,803	0
Department of Labor, total	46,135	35,718	4,940	0	4,837	0	640	0	0	0
Bureau of Labor Statistics	12,300	8,400	0	0	3,900	0	0	0	0	0
Employment & Training Admin	24,985	24,328	0	0	282	0	375	0	0	0
Occupational Safety & Hlth Admin	5,790	2,002	3,788	0	0	0	0	0	0	0
Office of the Secretary	279	25	154	0	100	0	0	0	0	0
Pension & Welfare Benefits Admin	2,726	908	998	0	555	0	265	0	0	0
Pension Benefit Guaranty Corp	55	55	0	0	0	0	0	0	0	0
Department of State [7]	1,521	588	933	0	0	0	0	0	0	0
Department of Transportation, total	344,418	138,891	135,377	3,140	31,993	14,702	11,415	5,131	3,383	386
Coast Guard	4,999	3,654	1,315	30	0	0	0	0	0	0
Federal Aviation Administration	164,420	66,252	69,994	3,048	11,107	8,781	0	5,131	0	107
Federal Highway Administration	92,865	16,031	44,062	0	12,925	5,921	10,512	0	3,383	31
Federal Motor Carrier Safety Administration [8]	2,833	387	1,513	0	802	0	56	0	0	75
Federal Railroad Administration	24,211	13,462	9,432	0	1,147	0	0	0	0	170
National Highway Traffic Safety Administration	50,569	36,446	7,872	0	6,012	0	236	0	0	3
Research & Special Programs Administration	4,521	2,659	1,189	62	0	0	611	0	0	0
Department of the Treasury, total	51,166	39,250	11,916	0	0	0	0	0	0	0
Bureau of Engraving & Printing	2,653	2,653	0	0	0	0	0	0	0	0
Internal Revenue Service	47,424	35,683	11,741	0	0	0	0	0	0	0
Office of Thrift Supervision	128	128	0	0	0	0	0	0	0	0
United States Secret Service	961	786	175	0	0	0	0	0	0	0
Department of Veterans Affairs	334,640	334,640	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-16. Federal obligations for research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	625	10	280	0	330	0	5	0	0	0
Broadcasting Board of Governors[9]	84	84	0	0	0	0	0	0	0	0
Environmental Protection Agency[5]	410,658	261,283	17,286	0	80,902	0	39,785	0	10,738	664
Federal Communications Commission	2,789	2,789	0	0	0	0	0	0	0	0
Federal Trade Commission	674	674	0	0	0	0	0	0	0	0
International Development Cooperation Agency, total	189,238	23,369	12,500	0	32,047	0	120,972	0	0	350
Agency for International Development[10]	189,238	23,369	12,500	0	32,047	0	120,972	0	0	350
Library of Congress	601	601	0	0	0	0	0	0	0	0
National Aeronautics & Space Administration[11]	3,963,975	1,006,990	1,460,632	165	721,038	492,164	246,554	4,756	7,009	24,667
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2,725,512	18,415	115,475	0	2,265,158	151,985	148,454	4,778	9,177	12,070
Nuclear Regulatory Commission	53,000	14,455	3,029	9,102	5,043	7,154	1,183	11,579	0	1,455
Smithsonian Institution	98,000	98,000	0	0	0	0	0	0	0	0
Social Security Administration	28,683	5,377	9,675	0	0	0	5,911	691	7,029	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

7 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

8 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

9 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

10 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

11 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	43,835,980	10,433,154	5,454,510	887,476	18,773,416	3,040,378	4,255,891	658,111	184,120	148,924
Departments:										
Department of Agriculture, total	1,832,535	1,118,540	20,522	0	669,128	0	18,223	0	2,955	3,167
Agricultural Marketing Service	4,401	4,401	0	0	0	0	0	0	0	0
Agricultural Research Service	898,470	835,485	0	0	55,325	0	4,746	0	359	2,555
Cooperative State Research, Education, & Extension Service	660,857	43,589	16,322	0	591,272	0	8,735	0	939	0
Economic Research Service	65,893	56,793	4,000	0	4,000	0	1,000	0	0	100
Foreign Agricultural Service	1,422	808	0	0	614	0	0	0	0	0
Forest Service	192,640	170,985	200	0	17,552	0	1,734	0	1,657	512
Grain Inspection Packers & Stockyards Administration	1,096	1,096	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,856	3,813	0	0	35	0	8	0	0	0
Rural Business-Cooperative Svc	3,900	1,570	0	0	330	0	2,000	0	0	0
Department of Commerce, total	976,713	820,599	52,988	0	99,774	0	2,655	25	482	190
Bureau of the Census	112	112	0	0	0	0	0	0	0	0
Economic Development Admin	550	50	100	0	200	0	200	0	0	0
Nat'l Inst of Standards & Tech	294,972	230,729	48,619	0	13,110	0	2,299	25	0	190
Nat'l Oceanic & Atmospheric Admin	676,847	585,476	4,269	0	86,464	0	156	0	482	0
National Telecommunications & Information Administration	4,232	4,232	0	0	0	0	0	0	0	0
Department of Defense, total	5,722,823	1,878,760	1,823,246	27,931	1,726,958	76,015	132,085	36,264	0	21,564
Defense Agencies, total	2,484,753	306,552	782,621	15,705	1,230,586	71,186	39,826	34,419	0	3,858
Ballistic Missile Defense Org	58,762	15,102	38,713	0	3,807	1,090	0	50	0	0
Chemical and Biological Defense [2]	111,993	83,040	12,355	0	16,457	141	0	0	0	0
Defense Adv Rsch Projects Agcy	1,016,079	80,048	477,080	9,993	353,501	43,935	33,426	14,496	0	3,600
Defense Info Systems Agcy	1,196	51	1,145	0	0	0	0	0	0	0
Defense Logistics Agency	8,696	7,697	0	0	0	0	0	999	0	0
Defense Threat Reduction Agency	201,245	44,780	146,153	3,059	493	4,785	400	1,317	0	258
Special Operations Command	22,073	6,353	14,326	0	1,394	0	0	0	0	0
TRICARE Management Activity [3]	545,859	4,942	27,292	0	513,625	0	0	0	0	0
Washington Headquarters Svcs	518,850	64,539	65,557	2,653	341,309	21,235	6,000	17,557	0	0
Department of the Air Force	1,057,242	554,551	368,443	4,304	106,040	1,665	16,994	321	0	4,924
Department of the Army	1,114,099	608,125	329,373	371	147,152	859	25,103	229	0	2,887
Department of the Navy	1,066,729	409,532	342,809	7,551	243,180	2,305	50,162	1,295	0	9,895
Department of Education	180,946	6,976	7,162	0	125,929	0	40,719	0	160	0
Department of Energy	4,582,389	265,713	267,274	604,867	661,837	2,145,674	61,380	562,452	12,018	1,174

See explanatory information, if any, and SOURCE at end of table.

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Dept of Health & Human Svcs, total	20,701,051	3,694,911	1,146,547	239,503	11,974,094	59,332	3,349,019	37,653	120,719	79,273
Admin for Children & Families	27,921	1,916	2,751	0	11,181	0	10,212	0	1,819	42
Administration on Aging	3,728	91	0	0	0	0	3,637	0	0	0
Agency for Healthcare Research and Quality [4]	253,608	53,258	68,474	0	88,763	0	43,113	0	0	0
Agency for Toxic Substances Disease & Registry [5]	15,358	2,867	0	0	5,471	0	3,730	0	3,290	0
Centers for Disease Control & Prevention	569,940	328,077	61,893	0	108,325	0	63,530	0	8,115	0
Food & Drug Administration	151,513	117,713	8,300	0	18,100	0	6,800	0	400	200
Health Care Financing Admin	138,311	23	79,985	0	22,065	0	26,202	0	9,653	383
Health Resources & Services Admin	50,950	9,614	0	0	17,940	0	23,396	0	0	0
National Institutes of Health [6]	19,472,722	3,179,992	924,464	239,503	11,695,959	59,332	3,160,409	37,653	96,762	78,648
Office of the Secretary, total	17,000	1,360	680	0	6,290	0	7,990	0	680	0
Office of the Asst Secretary, Planning & Evaluation	17,000	1,360	680	0	6,290	0	7,990	0	680	0
Dept of Housing & Urban Development	18,883	11,675	1,888	0	954	0	4,366	0	0	0
Department of the Interior, total	589,591	505,858	10,983	0	62,586	0	1,325	0	7,788	1,051
Bureau of Reclamation	7,616	6,405	0	0	480	0	350	0	381	0
Geological Survey	517,928	472,056	0	0	38,931	0	0	0	6,941	0
Minerals Management Service	29,393	10,033	8,483	0	9,201	0	625	0	0	1,051
National Park Service	34,654	17,364	2,500	0	13,974	0	350	0	466	0
Department of Justice, total	64,625	3,425	13,535	1,000	30,775	0	14,815	0	1,075	0
Bureau of Prisons	3,250	2,600	0	0	0	0	0	0	650	0
Office of Justice Programs	61,375	825	13,535	1,000	30,775	0	14,815	0	425	0
Department of Labor, total	47,879	37,098	5,037	0	4,973	0	771	0	0	0
Bureau of Labor Statistics	12,300	8,400	0	0	3,900	0	0	0	0	0
Employment & Training Admin	26,243	25,547	0	0	296	0	400	0	0	0
Occupational Safety & Hlth Admin	5,516	2,076	3,440	0	0	0	0	0	0	0
Office of the Secretary	225	25	200	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3,538	993	1,397	0	777	0	371	0	0	0
Pension Benefit Guaranty Corp	57	57	0	0	0	0	0	0	0	0
Department of State [7]	1,550	600	950	0	0	0	0	0	0	0
Department of Transportation, total	413,748	145,376	183,711	6,995	42,318	12,902	15,640	4,291	1,211	1,304
Coast Guard	5,910	3,802	2,108	0	0	0	0	0	0	0
Federal Aviation Administration	200,096	67,988	99,725	2,600	12,890	12,492	0	4,291	0	110
Federal Highway Administration	108,187	21,845	49,729	4,395	15,733	410	14,864	0	1,211	0
Federal Motor Carrier Safety Administration [8]	8,035	916	4,403	0	2,334	0	163	0	0	219
Federal Railroad Administration	24,920	11,535	11,546	0	1,364	0	0	0	0	475
Federal Transit Administration	2,519	519	0	0	2,000	0	0	0	0	0
National Highway Traffic Safety Administration	58,313	34,721	14,795	0	7,997	0	300	0	0	500
Research & Special Programs Administration	5,768	4,050	1,405	0	0	0	313	0	0	0
Department of the Treasury, total	64,389	53,607	10,782	0	0	0	0	0	0	0
Bureau of Engraving & Printing	3,204	3,204	0	0	0	0	0	0	0	0
Internal Revenue Service	58,808	49,221	9,587	0	0	0	0	0	0	0
Office of Thrift Supervision	209	209	0	0	0	0	0	0	0	0
United States Customs Service	1,244	300	944	0	0	0	0	0	0	0
United States Secret Service	924	673	251	0	0	0	0	0	0	0
Department of Veterans Affairs	343,208	343,208	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	665	1	177	0	412	0	75	0	0	0
Broadcasting Board of Governors[9]	5	5	0	0	0	0	0	0	0	0
Environmental Protection Agency[5]	473,900	279,765	22,461	0	105,144	0	51,698	0	13,959	873
Federal Communications Commission	1,992	1,992	0	0	0	0	0	0	0	0
Federal Trade Commission	1,272	1,272	0	0	0	0	0	0	0	0
International Development Cooperation Agency, total	200,257	25,015	15,000	0	30,001	0	130,241	0	0	0
Agency for International Development[10]	200,257	25,015	15,000	0	30,001	0	130,241	0	0	0
Library of Congress	1,691	416	1,275	0	0	0	0	0	0	0
National Aeronautics & Space Administration[11]	4,411,970	1,096,883	1,717,790	165	721,038	572,281	268,563	3,044	7,110	25,096
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	3,015,278	20,312	130,579	0	2,504,484	167,458	163,746	5,259	10,143	13,297
Nuclear Regulatory Commission	50,000	15,527	4,003	7,015	5,111	6,716	570	9,123	0	1,935
Smithsonian Institution	100,000	100,000	0	0	0	0	0	0	0	0
Social Security Administration	38,500	5,500	18,600	0	7,900	0	0	0	6,500	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

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11 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	45,326,908	10,701,051	5,706,949	889,319	19,495,425	2,940,325	4,586,063	655,191	203,292	149,293
Departments:										
Department of Agriculture, total	1,655,650	1,126,167	14,103	0	493,388	0	15,870	0	2,955	3,167
Agricultural Marketing Service	4,401	4,401	0	0	0	0	0	0	0	0
Agricultural Research Service	892,105	839,050	0	0	45,395	0	4,746	0	359	2,555
Cooperative State Research, Education, & Extension Service	476,821	33,805	11,903	0	423,792	0	6,382	0	939	0
Economic Research Service	67,200	60,100	2,000	0	4,000	0	1,000	0	0	100
Foreign Agricultural Service	1,422	808	0	0	614	0	0	0	0	0
Forest Service	202,960	181,305	200	0	17,552	0	1,734	0	1,657	512
Grain Inspection Packers & Stockyards Administration	1,203	1,203	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,938	3,895	0	0	35	0	8	0	0	0
Rural Business-Cooperative Svc	5,600	1,600	0	0	2,000	0	2,000	0	0	0
Department of Commerce, total	1,020,231	869,869	39,680	0	104,217	142	3,155	118	2,859	191
Economic Development Admin	550	50	100	0	200	0	200	0	0	0
Nat'l Inst of Standards & Tech	296,415	246,290	36,920	0	11,209	0	1,779	26	0	191
Nat'l Oceanic & Atmospheric Admin	719,266	619,529	2,660	0	92,808	142	1,176	92	2,859	0
National Telecommunications & Information Administration	4,000	4,000	0	0	0	0	0	0	0	0
Department of Defense, total	5,020,228	1,688,635	1,789,516	28,372	1,233,774	93,258	125,249	42,071	547	18,806
Defense Agencies, total	2,195,123	289,628	918,749	18,226	792,051	88,311	44,695	38,912	0	4,551
Ballistic Missile Defense Org	23,118	7,292	14,059	0	1,767	0	0	0	0	0
Chemical and Biological Defense [2]	122,864	81,766	17,017	0	21,119	2,962	0	0	0	0
Defense Adv Rsch Projects Agcy	1,303,282	101,856	620,795	12,737	444,226	57,374	43,479	18,264	0	4,551
Defense Logistics Agency	8,834	8,834	0	0	0	0	0	0	0	0
Defense Threat Reduction Agency	232,095	21,141	202,552	1,287	655	4,811	410	1,239	0	0
Special Operations Command	22,776	5,964	15,377	0	1,435	0	0	0	0	0
TRICARE Management Activity [3]	50,360	3,461	2,518	0	44,381	0	0	0	0	0
Washington Headquarters Svcs	431,794	59,314	46,431	4,202	278,468	23,164	806	19,409	0	0
Department of the Air Force	989,115	513,326	336,937	3,767	113,742	1,802	13,713	1,776	0	4,052
Department of the Army	869,778	520,320	241,278	33	90,526	1,145	15,433	138	547	358
Department of the Navy	966,212	365,361	292,552	6,346	237,455	2,000	51,408	1,245	0	9,845
Department of Education	186,047	7,091	9,873	0	129,980	0	38,943	0	160	0
Department of Energy	4,504,226	273,943	291,876	570,591	605,068	2,173,750	32,370	545,485	10,605	538

See explanatory information, if any, and SOURCE at end of table.

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Dept of Health & Human Svcs, total	23,135,484	4,114,908	1,222,834	270,371	13,473,001	66,979	3,727,876	42,506	127,596	89,413
Admin for Children & Families	28,508	1,956	2,809	0	11,416	0	10,426	0	1,857	44
Agency for Healthcare Research and Quality [4]	287,870	60,452	77,725	0	100,755	0	48,938	0	0	0
Agency for Toxic Substances Disease & Registry [5]	16,124	3,010	0	0	5,744	0	3,916	0	3,454	0
Centers for Disease Control & Prevention	568,510	331,092	57,448	0	108,325	0	63,530	0	8,115	0
Food & Drug Administration	158,519	123,219	8,700	0	18,900	0	7,100	0	400	200
Health Care Financing Admin	55,311	23	31,845	0	8,785	0	10,432	0	3,843	383
Health Resources & Services Admin	20,855	3,927	0	0	9,268	0	7,660	0	0	0
National Institutes of Health [6]	21,982,487	3,589,845	1,043,615	270,371	13,203,407	66,979	3,567,743	42,506	109,235	88,786
Office of the Secretary, total	17,300	1,384	692	0	6,401	0	8,131	0	692	0
Office of the Asst Secretary, Planning & Evaluation	17,300	1,384	692	0	6,401	0	8,131	0	692	0
Dept of Housing & Urban Development	15,338	9,483	1,534	0	775	0	3,546	0	0	0
Department of the Interior, total	532,663	466,931	12,171	0	44,010	0	700	0	7,651	1,200
Bureau of Reclamation	6,300	5,298	0	0	397	0	290	0	315	0
Geological Survey	461,152	435,318	0	0	18,964	0	0	0	6,870	0
Minerals Management Service	29,433	8,677	9,571	0	9,925	0	60	0	0	1,200
National Park Service	35,778	17,638	2,600	0	14,724	0	350	0	466	0
Department of Justice, total	41,725	3,275	11,850	1,000	11,250	0	13,650	0	700	0
Bureau of Prisons	3,400	2,700	0	0	0	0	0	0	700	0
Office of Justice Programs	38,325	575	11,850	1,000	11,250	0	13,650	0	0	0
Department of Labor, total	49,337	38,243	5,107	0	5,086	0	901	0	0	0
Bureau of Labor Statistics	12,300	8,400	0	0	3,900	0	0	0	0	0
Employment & Training Admin	27,554	26,615	0	0	409	0	530	0	0	0
Occupational Safety & Hlth Admin	5,661	2,151	3,510	0	0	0	0	0	0	0
Office of the Secretary	225	25	200	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3,538	993	1,397	0	777	0	371	0	0	0
Pension Benefit Guaranty Corp	59	59	0	0	0	0	0	0	0	0
Department of State [7]	1,550	600	950	0	0	0	0	0	0	0
Department of Transportation, total	420,748	161,903	173,450	5,700	37,864	12,050	15,613	5,268	7,725	1,175
Coast Guard	5,661	3,638	2,023	0	0	0	0	0	0	0
Federal Aviation Administration	187,781	72,939	83,334	2,700	12,890	10,540	0	5,268	0	110
Federal Highway Administration	126,211	29,715	54,490	3,000	15,033	1,510	14,738	0	7,725	0
Federal Motor Carrier Safety Administration [8]	9,890	1,627	5,111	0	2,709	0	190	0	0	253
Federal Railroad Administration	26,678	12,162	12,876	0	1,328	0	0	0	0	312
National Highway Traffic Safety Administration	59,042	37,787	14,501	0	5,904	0	350	0	0	500
Research & Special Programs Administration	5,485	4,035	1,115	0	0	0	335	0	0	0
Department of the Treasury, total	67,290	56,248	11,042	0	0	0	0	0	0	0
Bureau of Engraving & Printing	3,222	3,222	0	0	0	0	0	0	0	0
Internal Revenue Service	61,748	51,682	10,066	0	0	0	0	0	0	0
Office of Thrift Supervision	219	219	0	0	0	0	0	0	0	0
United States Customs Service	1,000	300	700	0	0	0	0	0	0	0
United States Secret Service	1,101	825	276	0	0	0	0	0	0	0
Department of Veterans Affairs	353,023	353,023	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	750	10	300	0	390	0	50	0	0	0
Broadcasting Board of Governors[9]	100	100	0	0	0	0	0	0	0	0
Environmental Protection Agency[5]	442,135	262,526	20,780	0	97,276	0	47,830	0	12,914	809
Federal Communications Commission	1,348	1,348	0	0	0	0	0	0	0	0
Federal Trade Commission	1,484	1,484	0	0	0	0	0	0	0	0
International Development Cooperation Agency, total	201,013	25,015	15,000	0	30,001	0	130,997	0	0	0
Agency for International Development[10]	201,013	25,015	15,000	0	30,001	0	130,997	0	0	0
Library of Congress	963	463	500	0	0	0	0	0	0	0
National Aeronautics & Space Administration[11]	4,420,975	1,082,133	1,909,289	165	721,038	413,393	264,952	4,055	7,130	18,820
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	3,017,080	20,331	130,327	0	2,506,157	167,638	163,901	5,265	10,150	13,311
Nuclear Regulatory Commission	55,000	16,102	2,967	13,120	2,150	7,915	460	10,423	0	1,863
Smithsonian Institution	102,000	102,000	0	0	0	0	0	0	0	0
Social Security Administration	80,400	19,100	43,800	0	0	5,200	0	0	12,300	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

7 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

8 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

9 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

10 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

11 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-19. Federal obligations for research, by detailed field of science and engineering: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Field of science and engineering	2000	Preliminary	
		2001	2002
Total, all fields	38,470,550	43,835,980	45,326,908
Life sciences, total	17,964,701	21,118,070	22,204,285
Biological (excluding environmental)	10,740,022	NA	NA
Environmental biology	740,025	NA	NA
Agricultural	894,956	NA	NA
Medical	4,463,771	NA	NA
Life sciences, n.e.c.	1,125,927	NA	NA
Psychology, total	1,626,660	1,870,795	2,075,313
Biological aspects	7,807	NA	NA
Social aspects	56,401	NA	NA
Psychological sciences, n.e.c.	1,562,452	NA	NA
Physical sciences, total	4,787,950	5,162,941	5,144,764
Astronomy	880,267	NA	NA
Chemistry	1,225,601	NA	NA
Physics	2,405,361	NA	NA
Physical sciences, n.e.c.	276,721	NA	NA
Environmental sciences, total	3,328,771	3,660,562	3,644,175
Atmospheric	1,104,344	NA	NA
Geological	639,155	NA	NA
Oceanography	673,034	NA	NA
Environmental sciences, n.e.c.	912,238	NA	NA
Mathematics & computer sciences, total	2,205,594	2,458,276	2,617,871
Mathematics	432,927	NA	NA
Computer sciences	1,659,570	NA	NA
Mathematics & computer sciences, n.e.c.	113,097	NA	NA
Engineering, total	6,346,381	7,090,594	7,031,485
Aeronautical	1,463,898	NA	NA
Astronautical	514,988	NA	NA
Chemical	196,519	NA	NA
Civil	239,220	NA	NA
Electrical	744,787	NA	NA
Mechanical	289,300	NA	NA
Metallurgy & materials	918,102	NA	NA
Engineering, n.e.c.	1,979,567	NA	NA
Social sciences, total	1,050,312	1,216,180	1,271,044
Anthropology	15,883	NA	NA
Economics	249,492	NA	NA
Political science	22,583	NA	NA
Sociology	90,608	NA	NA
Social sciences, n.e.c.	671,746	NA	NA
Other sciences, n.e.c.	1,160,181	1,258,562	1,337,971

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-20. Federal obligations for research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	38,470,550	17,964,701	1,626,660	4,787,950	3,328,771	2,205,594	6,346,381	1,050,312	1,160,181
Departments:									
Department of Agriculture, total	1,611,466	1,307,003	384	82,041	10,244	13,606	56,717	138,486	2,985
Agricultural Marketing Service	4,294	4,294	0	0	0	0	0	0	0
Agricultural Research Service	805,055	739,603	0	53,617	3,542	1,047	7,246	0	0
Cooperative State Research, Education, & Extension Service	535,042	434,752	0	18,485	1,082	0	19,309	61,414	0
Economic Research Service	64,152	0	0	0	0	0	0	64,152	0
Food Safety Inspection Service	2,035	2,035	0	0	0	0	0	0	0
Foreign Agricultural Service	1,422	1,422	0	0	0	0	0	0	0
Forest Service	191,780	122,677	384	9,939	5,620	8,703	30,162	11,310	2,985
Grain Inspection Packers & Stockyards Administration	720	720	0	0	0	0	0	0	0
Natural Agricultural Statistics Service	3,856	0	0	0	0	3,856	0	0	0
Rural Business-Cooperative Svc	3,110	1,500	0	0	0	0	0	1,610	0
Department of Commerce, total	895,916	165,262	0	115,047	309,178	78,836	156,907	22,554	48,132
Bureau of the Census	4,285	0	0	0	0	4,285	0	0	0
Economic Development Admin	576	0	0	0	0	0	0	576	0
Nat'l Inst of Standards & Tech	308,554	22,832	0	89,450	914	53,807	141,551	0	0
Nat'l Oceanic & Atmospheric Administration	578,471	142,430	0	25,597	308,264	20,744	11,326	21,978	48,132
National Telecommunications & Information Administration	4,030	0	0	0	0	0	4,030	0	0
Department of Defense, total	4,920,353	623,034	66,021	403,870	335,225	700,416	2,500,609	19,577	271,601
Defense Agencies, total	1,899,310	361,462	22,528	134,775	30,618	473,051	734,927	19,577	122,372
Ballistic Missile Defense Org	104,147	0	0	5,472	0	234	92,372	0	6,069
Chemical and Biological Defense[1]	121,080	118,012	0	3,068	0	0	0	0	0
Defense Adv Rsch Projects Agcy	954,791	113,130	0	8,709	8,815	393,938	419,210	0	10,989
Defense Info Systems Agcy	1,332	0	0	0	0	0	0	0	1,332
Defense Logistics Agency	8,084	0	8,084	0	0	0	0	0	0
Defense Threat Reduction Agency	259,970	8,957	0	72,012	518	32,111	42,664	0	103,708
Special Operations Command	19,494	783	0	0	0	0	18,437	0	274
TRICARE Management Activity[2]	69,071	69,071	0	0	0	0	0	0	0
Washington Headquarters Svcs	361,341	51,509	14,444	45,514	21,285	46,768	162,244	19,577	0
Department of the Air Force	1,096,514	40,379	29,756	150,063	16,042	77,943	749,611	0	32,720
Department of the Army	970,870	135,483	13,737	61,698	81,403	96,928	465,112	0	116,509
Department of the Navy	953,659	85,710	0	57,334	207,162	52,494	550,959	0	0
Department of Education	163,546	15,614	5,175	0	0	0	10,372	132,385	0
Department of Energy	4,100,855	286,456	0	1,808,135	296,028	714,465	982,395	0	13,376

See explanatory information, if any, and SOURCE at end of table.

Table C-20. Federal obligations for research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Dept of Health & Human Svcs, total	17,913,064	14,137,499	1,463,861	610,772	376,544	137,542	385,062	325,235	476,549
Admin for Children & Families	27,343	0	0	0	0	0	0	27,343	0
Administration on Aging	2,829	0	0	0	0	0	0	2,829	0
Agency for Healthcare Research and Quality[3]	186,841	74,004	163	0	0	11,732	0	45,741	55,201
Agency for Toxic Substances Disease & Registry[4]	14,675	0	0	0	14,675	0	0	0	0
Centers for Disease Control & Prevention	505,022	505,022	0	0	0	0	0	0	0
Food & Drug Administration	144,238	144,238	0	0	0	0	0	0	0
Health Care Financing Admin	61,482	61,482	0	0	0	0	0	0	0
Health Resources & Services Administration	35,615	35,615	0	0	0	0	0	0	0
National Institutes of Health[5]	16,918,319	13,317,138	1,463,698	610,772	361,869	125,810	385,062	232,622	421,348
Office of the Secretary, total	16,700	0	0	0	0	0	0	16,700	0
Office of the Asst Secretary, Planning & Evaluation	16,700	0	0	0	0	0	0	16,700	0
Dept of Housing & Urban Development	15,468	0	0	0	60	21	1,305	13,032	1,050
Department of the Interior, total	548,464	133,495	18	18	378,591	4,809	11,114	20,341	78
Bureau of Reclamation	7,386	0	0	0	2,189	0	5,037	160	0
Geological Survey	477,143	127,819	0	0	344,412	3,178	867	867	0
Minerals Management Service	29,213	290	18	18	21,811	30	5,210	1,836	0
National Park Service	34,722	5,386	0	0	10,179	1,601	0	17,478	78
Department of Justice, total	49,579	0	500	0	0	500	0	38,279	10,300
Bureau of Prisons	3,433	0	500	0	0	500	0	2,433	0
Office of Justice Programs	46,146	0	0	0	0	0	0	35,846	10,300
Department of Labor, total	46,135	0	0	0	0	643	250	45,242	0
Bureau of Labor Statistics	12,300	0	0	0	0	0	0	12,300	0
Employment & Training Admin	24,985	0	0	0	0	464	250	24,271	0
Occupational Safety & Hlth Admin	5,790	0	0	0	0	0	0	5,790	0
Office of the Secretary	279	0	0	0	0	179	0	100	0
Pension & Welfare Benefits Admin	2,726	0	0	0	0	0	0	2,726	0
Pension Benefit Guaranty Corp	55	0	0	0	0	0	0	55	0
Department of State[6]	1,521	0	0	0	0	0	0	1,521	0
Department of Transportation, total	344,418	9,691	26,230	39,352	22,977	12,455	185,871	11,590	36,252
Coast Guard	4,999	0	859	0	600	1,100	2,440	0	0
Federal Aviation Administration	164,420	4,843	24,942	38,149	19,139	2,329	58,789	0	16,229
Federal Highway Administration	92,865	225	0	1,203	3,138	2,027	62,179	6,433	17,660
Federal Motor Carrier Safety Administration[7]	2,833	72	429	0	0	0	128	100	2,104
Federal Railroad Administration	24,211	0	0	0	0	125	24,086	0	0
National Highway Traffic Safety Administration	50,569	4,551	0	0	0	6,574	34,387	5,057	0
Research & Special Programs Administration	4,521	0	0	0	100	300	3,862	0	259
Department of the Treasury, total	51,166	0	961	2,653	0	0	0	47,552	0
Bureau of Engraving & Printing	2,653	0	0	2,653	0	0	0	0	0
Internal Revenue Service	47,424	0	0	0	0	0	0	47,424	0
Office of Thrift Supervision	128	0	0	0	0	0	0	128	0
United States Secret Service	961	0	961	0	0	0	0	0	0
Department of Veterans Affairs	334,640	261,981	53,884	0	0	0	18,775	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-20. Federal obligations for research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	625	0	0	0	0	0	0	625	0
Broadcasting Board of Governors[8]	84	0	0	0	0	0	84	0	0
Environmental Protection Agency[4]	410,658	176,346	0	12,211	123,148	10,518	47,596	3,612	37,227
Federal Communications Commission	2,789	0	0	175	0	78	382	2,154	0
Federal Trade Commission	674	0	0	0	0	0	0	674	0
Internat'l Development Cooperation Agency, total	189,238	117,505	0	0	4,237	0	0	66,841	655
Agency for International Development[9]	189,238	117,505	0	0	4,237	0	0	66,841	655
Library of Congress	601	0	0	601	0	0	0	0	0
National Aeronautics & Space Administration[10]	3,963,975	240,261	4,370	1,134,654	1,001,416	65,557	1,443,851	977	72,889
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,725,512	452,800	5,256	536,586	467,427	466,148	492,091	116,857	188,347
Nuclear Regulatory Commission	53,000	0	0	0	0	0	53,000	0	0
Smithsonian Institution	98,000	37,754	0	41,715	3,696	0	0	14,095	740
Social Security Administration	28,683	0	0	0	0	0	0	28,683	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

7 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

8 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	43,835,980	21,118,070	1,870,795	5,162,941	3,660,562	2,458,276	7,090,594	1,216,180	1,258,562
Departments:									
Department of Agriculture, total	1,832,535	1,501,980	386	88,031	13,466	13,766	60,356	151,552	2,998
Agricultural Marketing Service	4,401	4,401	0	0	0	0	0	0	0
Agricultural Research Service	898,470	825,424	0	57,053	6,739	1,168	8,086	0	0
Cooperative State Research, Education, & Extension Service	660,857	544,409	0	20,996	1,082	0	21,972	72,398	0
Economic Research Service	65,893	0	0	0	0	0	0	65,893	0
Foreign Agricultural Service	1,422	1,422	0	0	0	0	0	0	0
Forest Service	192,640	123,228	386	9,982	5,645	8,742	30,298	11,361	2,998
Grain Inspection Packers & Stockyards Administration	1,096	1,096	0	0	0	0	0	0	0
Natural Agricultural Statistics Service	3,856	0	0	0	0	3,856	0	0	0
Rural Business-Cooperative Svc	3,900	2,000	0	0	0	0	0	1,900	0
Department of Commerce, total	976,713	197,161	0	116,047	341,895	78,995	151,667	28,357	62,591
Bureau of the Census	112	0	0	0	0	112	0	0	0
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	294,972	22,020	0	88,159	928	50,592	133,273	0	0
Nat'l Oceanic & Atmospheric Administration	676,847	175,141	0	27,888	340,967	28,291	14,162	27,807	62,591
National Telecommunications & Information Administration	4,232	0	0	0	0	0	4,232	0	0
Department of Defense, total	5,722,823	1,179,850	75,272	388,246	359,762	756,110	2,744,067	50,255	169,261
Defense Agencies, total	2,484,753	858,515	33,601	95,042	31,207	503,506	866,665	26,476	69,741
Ballistic Missile Defense Org	58,762	0	0	759	0	0	57,010	0	993
Chemical and Biological Defense[1]	111,993	108,617	0	3,376	0	0	0	0	0
Defense Adv Rsch Projects Agcy	1,016,079	110,143	0	7,086	4,603	402,338	477,933	0	13,976
Defense Info Systems Agcy	1,196	0	0	0	0	0	0	0	1,196
Defense Logistics Agency	8,696	0	8,696	0	0	0	0	0	0
Defense Threat Reduction Agency	201,245	28,290	0	0	39	40,831	78,680	0	53,405
Special Operations Command	22,073	884	0	0	0	0	21,018	0	171
TRICARE Management Activity[2]	545,859	545,859	0	0	0	0	0	0	0
Washington Headquarters Svcs	518,850	64,722	24,905	83,821	26,565	60,337	232,024	26,476	0
Department of the Air Force	1,057,242	37,357	27,115	148,408	16,395	84,115	717,808	0	26,044
Department of the Army	1,114,099	188,330	14,556	81,980	81,355	109,924	540,699	23,779	73,476
Department of the Navy	1,066,729	95,648	0	62,816	230,805	58,565	618,895	0	0
Department of Education	180,946	18,082	5,993	0	0	0	12,011	144,860	0
Department of Energy	4,582,389	321,871	0	1,963,456	311,167	828,507	1,144,015	0	13,373

See explanatory information, if any, and SOURCE at end of table.

Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Dept of Health & Human Svcs, total	20,701,051	16,337,787	1,685,584	703,359	432,084	160,098	443,433	379,937	558,769
Admin for Children & Families	27,921	0	0	0	0	0	0	27,921	0
Administration on Aging	3,728	0	0	0	0	0	0	3,728	0
Agency for Healthcare Research and Quality[3]	253,608	101,443	0	0	0	15,216	0	63,402	73,547
Agency for Toxic Substances Disease & Registry[4]	15,358	0	0	0	15,358	0	0	0	0
Centers for Disease Control & Prevention	569,940	569,940	0	0	0	0	0	0	0
Food & Drug Administration	151,513	151,513	0	0	0	0	0	0	0
Health Care Financing Admin	138,311	138,311	0	0	0	0	0	0	0
Health Resources & Services Administration	50,950	50,950	0	0	0	0	0	0	0
National Institutes of Health[5]	19,472,722	15,325,630	1,685,584	703,359	416,726	144,882	443,433	267,886	485,222
Office of the Secretary, total	17,000	0	0	0	0	0	0	17,000	0
Office of the Asst Secretary, Planning & Evaluation	17,000	0	0	0	0	0	0	17,000	0
Dept of Housing & Urban Development	18,883	0	0	0	74	26	1,594	15,907	1,282
Department of the Interior, total	589,591	155,346	0	0	397,478	5,137	10,755	20,799	76
Bureau of Reclamation	7,616	0	0	0	2,416	0	5,005	195	0
Geological Survey	517,928	149,844	0	0	363,099	3,226	879	880	0
Minerals Management Service	29,393	127	0	0	21,800	316	4,871	2,279	0
National Park Service	34,654	5,375	0	0	10,163	1,595	0	17,445	76
Department of Justice, total	64,625	0	500	0	0	500	0	36,325	27,300
Bureau of Prisons	3,250	0	500	0	0	500	0	2,250	0
Office of Justice Programs	61,375	0	0	0	0	0	0	34,075	27,300
Department of Labor, total	47,879	0	0	0	0	689	250	46,940	0
Bureau of Labor Statistics	12,300	0	0	0	0	0	0	12,300	0
Employment & Training Admin	26,243	0	0	0	0	464	250	25,529	0
Occupational Safety & Hlth Admin	5,516	0	0	0	0	0	0	5,516	0
Office of the Secretary	225	0	0	0	0	225	0	0	0
Pension & Welfare Benefits Admin	3,538	0	0	0	0	0	0	3,538	0
Pension Benefit Guaranty Corp	57	0	0	0	0	0	0	57	0
Department of State[6]	1,550	0	0	0	0	0	0	1,550	0
Department of Transportation, total	413,748	12,705	27,089	47,286	31,600	13,006	235,586	11,078	35,398
Coast Guard	5,910	0	1,000	300	560	1,175	2,875	0	0
Federal Aviation Administration	200,096	6,420	24,872	45,590	26,543	2,634	75,402	0	18,635
Federal Highway Administration	108,187	250	0	1,396	3,138	2,574	85,776	4,713	10,340
Federal Motor Carrier Safety Administration[7]	8,035	204	1,217	0	0	0	363	284	5,967
Federal Railroad Administration	24,920	0	0	0	0	475	24,445	0	0
Federal Transit Administration	2,519	0	0	0	1,259	0	1,260	0	0
National Highway Traffic Safety Administration	58,313	5,831	0	0	0	5,848	40,553	6,081	0
Research & Special Programs Administration	5,768	0	0	0	100	300	4,912	0	456
Department of the Treasury, total	64,389	0	924	3,854	0	594	0	59,017	0
Bureau of Engraving & Printing	3,204	0	0	3,204	0	0	0	0	0
Internal Revenue Service	58,808	0	0	0	0	0	0	58,808	0
Office of Thrift Supervision	209	0	0	0	0	0	0	209	0
United States Customs Service	1,244	0	0	650	0	594	0	0	0
United States Secret Service	924	0	924	0	0	0	0	0	0
Department of Veterans Affairs	343,208	270,734	51,847	0	0	0	20,627	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	665	0	0	0	0	0	0	665	0
Broadcasting Board of Governors[8]	5	0	0	0	0	0	5	0	0
Environmental Protection Agency[4]	473,900	203,171	0	17,556	133,793	13,279	56,187	5,386	44,528
Federal Communications Commission	1,992	0	0	110	0	43	489	1,350	0
Federal Trade Commission	1,272	0	0	0	0	0	0	1,272	0
Internat'l Development Cooperation Agency, total	200,257	117,572	0	0	5,487	0	0	76,312	886
Agency for International Development[9]	200,257	117,572	0	0	5,487	0	0	76,312	886
Library of Congress	1,691	0	0	416	0	1,275	0	0	0
National Aeronautics & Space Administration[10]	4,411,970	264,331	17,413	1,200,001	1,115,515	71,765	1,609,079	977	132,889
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	3,015,278	499,507	5,787	592,277	514,627	514,486	550,473	129,689	208,432
Nuclear Regulatory Commission	50,000	0	0	0	0	0	50,000	0	0
Smithsonian Institution	100,000	37,973	0	42,182	3,614	0	0	15,452	779
Social Security Administration	38,500	0	0	0	0	0	0	38,500	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

7 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

8 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	45,326,908	22,204,285	2,075,313	5,144,764	3,644,175	2,617,871	7,031,485	1,271,044	1,337,971
Departments:									
Department of Agriculture, total	1,655,650	1,342,172	408	85,828	13,716	14,309	58,163	137,895	3,159
Agricultural Marketing Service	4,401	4,401	0	0	0	0	0	0	0
Agricultural Research Service	892,105	819,577	0	56,649	6,690	1,160	8,029	0	0
Cooperative State Research, Education, & Extension Service	476,821	383,741	0	18,662	1,078	0	18,213	55,127	0
Economic Research Service	67,200	0	0	0	0	0	0	67,200	0
Foreign Agricultural Service	1,422	1,422	0	0	0	0	0	0	0
Forest Service	202,960	129,828	408	10,517	5,948	9,211	31,921	11,968	3,159
Grain Inspection Packers & Stockyards Administration	1,203	1,203	0	0	0	0	0	0	0
Natural Agricultural Statistics Service	3,938	0	0	0	0	3,938	0	0	0
Rural Business-Cooperative Svc	5,600	2,000	0	0	0	0	0	3,600	0
Department of Commerce, total	1,020,231	194,263	0	120,239	389,489	77,636	149,989	27,767	60,848
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	296,415	22,337	0	91,476	992	49,917	131,693	0	0
Nat'l Oceanic & Atmospheric Administration	719,266	171,926	0	28,763	388,497	27,719	14,296	27,217	60,848
National Telecommunications & Information Administration	4,000	0	0	0	0	0	4,000	0	0
Department of Defense, total	5,020,228	615,902	58,253	363,507	300,932	861,288	2,547,595	27,922	244,829
Defense Agencies, total	2,195,123	386,860	22,811	91,809	29,532	638,583	914,367	27,922	83,239
Ballistic Missile Defense Org	23,118	0	0	925	0	900	21,293	0	0
Chemical and Biological Defense[1]	122,864	118,905	0	3,959	0	0	0	0	0
Defense Adv Rsch Projects Agcy	1,303,282	141,881	0	7,546	6,026	523,474	607,639	0	16,716
Defense Logistics Agency	8,834	0	8,834	0	0	0	0	0	0
Defense Threat Reduction Agency	232,095	31,202	0	0	0	56,014	78,547	0	66,332
Special Operations Command	22,776	939	0	0	0	0	21,646	0	191
TRICARE Management Activity[2]	50,360	50,360	0	0	0	0	0	0	0
Washington Headquarters Svcs	431,794	43,573	13,977	79,379	23,506	58,195	185,242	27,922	0
Department of the Air Force	989,115	39,598	20,776	134,993	15,167	78,922	671,905	0	27,754
Department of the Army	869,778	99,622	14,666	73,164	37,859	88,704	421,927	0	133,836
Department of the Navy	966,212	89,822	0	63,541	218,374	55,079	539,396	0	0
Department of Education	186,047	19,958	6,491	0	0	0	13,236	146,362	0
Department of Energy	4,504,226	267,186	0	1,937,846	298,000	861,348	1,129,746	0	10,100

See explanatory information, if any, and SOURCE at end of table.

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Dept of Health & Human Svcs, total	23,135,484	18,216,441	1,903,967	794,486	486,841	180,925	500,885	420,370	631,569
Admin for Children & Families	28,508	0	0	0	0	0	0	28,508	0
Agency for Healthcare Research and Quality[3]	287,870	115,148	0	0	0	17,272	0	71,968	83,482
Agency for Toxic Substances Disease & Registry[4]	16,124	0	0	0	16,124	0	0	0	0
Centers for Disease Control & Prevention	568,510	568,510	0	0	0	0	0	0	0
Food & Drug Administration	158,519	158,519	0	0	0	0	0	0	0
Health Care Financing Admin	55,311	55,311	0	0	0	0	0	0	0
Health Resources & Services Administration	20,855	20,855	0	0	0	0	0	0	0
National Institutes of Health[5]	21,982,487	17,298,098	1,903,967	794,486	470,717	163,653	500,885	302,594	548,087
Office of the Secretary, total	17,300	0	0	0	0	0	0	17,300	0
Office of the Asst Secretary, Planning & Evaluation	17,300	0	0	0	0	0	0	17,300	0
Dept of Housing & Urban Development	15,338	0	0	0	60	21	1,295	12,920	1,042
Department of the Interior, total	532,663	145,185	0	0	353,145	5,033	9,413	19,787	100
Bureau of Reclamation	6,300	0	0	0	2,049	0	4,095	156	0
Geological Survey	461,152	139,327	0	0	316,948	3,118	879	880	0
Minerals Management Service	29,433	128	0	0	22,245	320	4,439	2,301	0
National Park Service	35,778	5,730	0	0	11,903	1,595	0	16,450	100
Department of Justice, total	41,725	0	500	0	0	500	0	30,525	10,200
Bureau of Prisons	3,400	0	500	0	0	500	0	2,400	0
Office of Justice Programs	38,325	0	0	0	0	0	0	28,125	10,200
Department of Labor, total	49,337	0	0	0	0	689	250	48,398	0
Bureau of Labor Statistics	12,300	0	0	0	0	0	0	12,300	0
Employment & Training Admin	27,554	0	0	0	0	464	250	26,840	0
Occupational Safety & Hlth Admin	5,661	0	0	0	0	0	0	5,661	0
Office of the Secretary	225	0	0	0	0	225	0	0	0
Pension & Welfare Benefits Admin	3,538	0	0	0	0	0	0	3,538	0
Pension Benefit Guaranty Corp	59	0	0	0	0	0	0	59	0
Department of State[6]	1,550	0	0	0	0	0	0	1,550	0
Department of Transportation, total	420,748	12,108	27,417	40,428	35,449	14,580	223,902	13,423	53,441
Coast Guard	5,661	0	950	170	550	1,200	2,791	0	0
Federal Aviation Administration	187,781	6,121	24,969	38,438	28,368	2,084	65,465	0	22,336
Federal Highway Administration	126,211	422	0	1,820	6,431	2,821	84,152	7,170	23,395
Federal Motor Carrier Safety Administration[7]	9,890	251	1,498	0	0	0	447	349	7,345
Federal Railroad Administration	26,678	0	0	0	0	500	26,178	0	0
National Highway Traffic Safety Administration	59,042	5,314	0	0	0	7,675	40,149	5,904	0
Research & Special Programs Administration	5,485	0	0	0	100	300	4,720	0	365
Department of the Treasury, total	67,290	0	1,101	3,722	0	500	0	61,967	0
Bureau of Engraving & Printing	3,222	0	0	3,222	0	0	0	0	0
Internal Revenue Service	61,748	0	0	0	0	0	0	61,748	0
Office of Thrift Supervision	219	0	0	0	0	0	0	219	0
United States Customs Service	1,000	0	0	500	0	500	0	0	0
United States Secret Service	1,101	0	1,101	0	0	0	0	0	0
Department of Veterans Affairs	353,023	278,478	53,337	0	0	0	21,208	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	750	0	0	0	0	0	0	750	0
Broadcasting Board of Governors[8]	100	0	0	0	0	0	100	0	0
Environmental Protection Agency[4]	442,135	196,663	0	10,428	127,768	12,143	47,829	7,784	39,520
Federal Communications Commission	1,348	0	0	260	0	43	406	639	0
Federal Trade Commission	1,484	0	0	0	0	0	0	1,484	0
Internat'l Development Cooperation Agency, total	201,013	108,483	0	0	6,957	0	0	84,644	929
Agency for International Development[9]	201,013	108,483	0	0	6,957	0	0	84,644	929
Library of Congress	963	0	0	463	0	500	0	0	0
National Aeronautics & Space Administration[10]	4,420,975	268,743	18,045	1,151,621	1,112,905	73,419	1,722,375	977	72,890
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	3,017,080	499,973	5,794	592,790	515,227	514,937	550,093	129,719	208,547
Nuclear Regulatory Commission	55,000	0	0	0	0	0	55,000	0	0
Smithsonian Institution	102,000	38,730	0	43,026	3,686	0	0	15,761	797
Social Security Administration	80,400	0	0	0	0	0	0	80,400	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

7 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

8 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-23. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological (excl environ)	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	1,626,660	7,807	56,401	1,562,452	17,964,701	10,740,022	740,025	894,956	4,463,771	1,125,927
Departments:										
Department of Agriculture, total	384	0	384	0	1,307,003	180,942	307,391	789,538	29,132	0
Agricultural Marketing Service	0	0	0	0	4,294	0	0	4,294	0	0
Agricultural Research Service	0	0	0	0	739,603	52,087	100,390	574,004	13,122	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	434,752	98,196	122,167	205,267	9,122	0
Food Safety Inspection Service	0	0	0	0	2,035	1,625	410	0	0	0
Foreign Agricultural Service	0	0	0	0	1,422	0	0	1,422	0	0
Forest Service	384	0	384	0	122,677	29,034	84,424	2,331	6,888	0
Grain Inspection Packers & Stockyards Administration	0	0	0	0	720	0	0	720	0	0
Rural Business-Cooperative Svc	0	0	0	0	1,500	0	0	1,500	0	0
Department of Commerce, total	0	0	0	0	165,262	44,816	85,070	27,427	6,719	1,230
Nat'l Inst of Standards & Tech	0	0	0	0	22,832	20,560	0	1,266	703	303
Nat'l Oceanic & Atmospheric Administration	0	0	0	0	142,430	24,256	85,070	26,161	6,016	927
Department of Defense, total	66,021	6,777	19,292	39,952	623,034	158,827	30,641	749	241,215	191,602
Defense Agencies, total	22,528	5,765	16,763	0	361,462	130,054	12,107	749	99,748	118,804
Chemical and Biological Defense[1]	0	0	0	0	118,012	0	0	0	0	118,012
Defense Adv Rsch Projects Agcy	0	0	0	0	113,130	94,769	4,477	0	13,884	0
Defense Logistics Agency	8,084	0	8,084	0	0	0	0	0	0	0
Defense Threat Reduction Agency	0	0	0	0	8,957	0	1,084	0	7,873	0
Special Operations Command	0	0	0	0	783	0	0	0	0	783
TRICARE Management Activity[2]	0	0	0	0	69,071	0	0	0	69,071	0
Washington Headquarters Svcs	14,444	5,765	8,679	0	51,509	35,285	6,546	749	8,920	9
Department of the Air Force	29,756	1,012	2,529	26,215	40,379	10,471	11,300	0	642	17,966
Department of the Army	13,737	0	0	13,737	135,483	6,666	0	0	125,649	3,168
Department of the Navy	0	0	0	0	85,710	11,636	7,234	0	15,176	51,664
Department of Education	5,175	0	3,933	1,242	15,614	0	0	0	15,614	0
Department of Energy	0	0	0	0	286,456	198,817	8,470	0	73,293	5,876
Dept of Health & Human Svcs, total	1,463,861	0	143	1,463,718	14,137,499	9,543,108	0	0	3,742,826	851,565
Agency for Healthcare Research and Quality[3]	163	0	143	20	74,004	204	0	0	73,530	270
Centers for Disease Control & Prevention	0	0	0	0	505,022	0	0	0	505,022	0
Food & Drug Administration	0	0	0	0	144,238	144,238	0	0	0	0
Health Care Financing Admin	0	0	0	0	61,482	0	0	0	0	61,482
Health Resources & Services Administration	0	0	0	0	35,615	0	0	0	35,615	0
National Institutes of Health[4]	1,463,698	0	0	1,463,698	13,317,138	9,398,666	0	0	3,128,659	789,813
Department of the Interior, total	18	0	0	18	133,495	72,477	60,668	145	0	205
Geological Survey	0	0	0	0	127,819	67,500	60,174	145	0	0
Minerals Management Service	18	0	0	18	290	0	290	0	0	0
National Park Service	0	0	0	0	5,386	4,977	204	0	0	205
Department of Justice, total	500	0	300	200	0	0	0	0	0	0
Bureau of Prisons	500	0	300	200	0	0	0	0	0	0
Department of Transportation, total	26,230	75	25,801	354	9,691	0	200	25	4,843	4,623
Coast Guard	859	0	859	0	0	0	0	0	0	0
Federal Aviation Administration	24,942	0	24,942	0	4,843	0	0	0	4,843	0
Federal Highway Administration	0	0	0	0	225	0	200	25	0	0
Federal Motor Carrier Safety Administration[5]	429	75	0	354	72	0	0	0	0	72
National Highway Traffic Safety Administration	0	0	0	0	4,551	0	0	0	0	4,551

See explanatory information, if any, and SOURCE at end of table.

Table C-23. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological (excl environ)	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Department of the Treasury, total	961	0	0	961	0	0	0	0	0	0
United States Secret Service	961	0	0	961	0	0	0	0	0	0
Department of Veterans Affairs	53,884	0	0	53,884	261,981	0	0	0	261,981	0
Other agencies:										
Environmental Protection Agency[6]	0	0	0	0	176,346	68,844	102,894	86	259	4,263
Internat'l Development Cooperation Agency, total	0	0	0	0	117,505	0	0	75,678	0	41,827
Agency for International Development[7]	0	0	0	0	117,505	0	0	75,678	0	41,827
National Aeronautics & Space Administration[8]	4,370	955	1,292	2,123	240,261	116,586	9,742	1,308	87,889	24,736
National Science Foundation	5,256	0	5,256	0	452,800	336,263	116,537	0	0	0
Smithsonian Institution	0	0	0	0	37,754	19,342	18,412	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

6 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

7 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

8 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-24. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	4,787,950	880,267	1,225,601	2,405,361	276,721	3,328,771	1,104,344	639,155	673,034	912,238
Departments:										
Department of Agriculture, total	82,041	0	77,565	4,476	0	10,244	9,013	1,231	0	0
Agricultural Research Service	53,617	0	51,121	2,496	0	3,542	3,462	80	0	0
Cooperative State Research, Education, & Extension Service	18,485	0	18,485	0	0	1,082	1,082	0	0	0
Forest Service	9,939	0	7,959	1,980	0	5,620	4,469	1,151	0	0
Department of Commerce, total	115,047	155	46,872	66,873	1,147	309,178	118,229	4,934	146,665	39,350
Nat'l Inst of Standards & Tech	89,450	155	32,858	55,290	1,147	914	0	914	0	0
Nat'l Oceanic & Atmospheric Administration	25,597	0	14,014	11,583	0	308,264	118,229	4,020	146,665	39,350
Department of Defense, total	403,870	0	98,341	268,974	36,555	335,225	35,256	6,784	198,318	94,867
Defense Agencies, total	134,775	0	17,388	113,925	3,462	30,618	3,759	1,814	15,459	9,586
Ballistic Missile Defense Org	5,472	0	2,535	2,937	0	0	0	0	0	0
Chemical and Biological Defense[1]	3,068	0	0	0	3,068	0	0	0	0	0
Defense Adv Rsch Projects Agcy	8,709	0	0	8,709	0	8,815	0	0	6,684	2,131
Defense Threat Reduction Agency	72,012	0	0	72,012	0	518	0	0	0	518
Washington Headquarters Svcs	45,514	0	14,853	30,267	394	21,285	3,759	1,814	8,775	6,937
Department of the Air Force	150,063	0	35,720	109,980	4,363	16,042	5,341	1,982	0	8,719
Department of the Army	61,698	0	20,143	27,694	13,861	81,403	11,934	2,988	0	66,481
Department of the Navy	57,334	0	25,090	17,375	14,869	207,162	14,222	0	182,859	10,081
Department of Energy	1,808,135	0	202,089	1,521,309	84,737	296,028	108,190	84,135	9,300	94,403
Dept of Health & Human Svcs, total	610,772	0	594,330	0	16,442	376,544	0	0	0	376,544
Agency for Toxic Substances Disease & Registry[2]	0	0	0	0	0	14,675	0	0	0	14,675
National Institutes of Health[3]	610,772	0	594,330	0	16,442	361,869	0	0	0	361,869
Dept of Housing & Urban Development	0	0	0	0	0	60	0	0	0	60
Department of the Interior, total	18	0	0	0	18	378,591	7,475	214,133	19,499	137,484
Bureau of Reclamation	0	0	0	0	0	2,189	0	0	0	2,189
Geological Survey	0	0	0	0	0	344,412	0	213,527	0	130,885
Minerals Management Service	18	0	0	0	18	21,811	1,120	382	19,319	990
National Park Service	0	0	0	0	0	10,179	6,355	224	180	3,420
Department of Transportation, total	39,352	0	0	38,639	713	22,977	21,084	0	600	1,293
Coast Guard	0	0	0	0	0	600	0	0	600	0
Federal Aviation Administration	38,149	0	0	38,149	0	19,139	19,139	0	0	0
Federal Highway Administration	1,203	0	0	490	713	3,138	1,945	0	0	1,193
Research & Special Programs Administration	0	0	0	0	0	100	0	0	0	100
Department of the Treasury, total	2,653	0	38	1	2,614	0	0	0	0	0
Bureau of Engraving & Printing	2,653	0	38	1	2,614	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-24. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Other agencies:										
Environmental Protection Agency[2]	12,211	0	11,636	575	0	123,148	34,083	9,789	20,351	58,925
Federal Communications Commission	175	0	0	175	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	0	0	0	0	0	4,237	0	0	0	4,237
Agency for International Development[4]	0	0	0	0	0	4,237	0	0	0	4,237
Library of Congress	601	0	361	0	240	0	0	0	0	0
National Aeronautics & Space Administration[5]	1,134,654	710,006	51,279	334,368	39,001	1,001,416	620,176	199,484	93,474	88,282
National Archives & Records Admin	120	0	70	50	0	0	0	0	0	0
National Science Foundation	536,586	130,702	142,409	168,221	95,254	467,427	150,762	115,286	184,586	16,793
Smithsonian Institution	41,715	39,404	611	1,700	0	3,696	76	3,379	241	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-25. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nauti-cal	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	6,346,381	1,463,898	514,988	196,519	239,220	744,787	289,300	918,102	1,979,567
Departments:									
Department of Agriculture, total	56,717	0	0	6,510	4,683	706	3,274	0	41,544
Agricultural Research Service	7,246	0	0	3,623	1,127	644	805	0	1,047
Cooperative State Research, Education, & Extension Service	19,309	0	0	0	0	0	0	0	19,309
Forest Service	30,162	0	0	2,887	3,556	62	2,469	0	21,188
Department of Commerce, total	156,907	0	0	6,242	15,360	45,079	3,523	38,149	48,554
Nat'l Inst of Standards & Tech	141,551	0	0	6,242	15,360	34,820	3,523	38,149	43,457
Nat'l Oceanic & Atmospheric Administration	11,326	0	0	0	0	6,229	0	0	5,097
National Telecommunications & Information Administration	4,030	0	0	0	0	4,030	0	0	0
Department of Defense, total	2,500,609	558,787	74,338	32,446	83,582	602,673	206,096	332,536	610,151
Defense Agencies, total	734,927	63,525	5,156	14,473	1,996	204,667	30,194	148,194	266,722
Ballistic Missile Defense Org	92,372	11,602	0	0	0	16,954	1,000	3,871	58,945
Defense Adv Rsch Projects Agcy	419,210	47,310	4,130	4,695	58	90,400	0	104,953	167,664
Defense Threat Reduction Agency	42,664	0	0	0	0	26,450	0	0	16,214
Special Operations Command	18,437	0	0	0	0	0	0	0	18,437
Washington Headquarters Svcs	162,244	4,613	1,026	9,778	1,938	70,863	29,194	39,370	5,462
Department of the Air Force	749,611	407,958	62,612	3,778	10,500	87,323	36,699	80,973	59,768
Department of the Army	465,112	49,006	47	14,195	71,086	152,518	92,492	35,094	50,674
Department of the Navy	550,959	38,298	6,523	0	0	158,165	46,711	68,275	232,987
Department of Education	10,372	0	0	0	0	0	0	0	10,372
Department of Energy	982,395	500	0	89,557	41,812	27,697	14,377	311,903	496,549
Dept of Health & Human Svcs, total	385,062	0	0	0	0	0	0	52,130	332,932
National Institutes of Health[1]	385,062	0	0	0	0	0	0	52,130	332,932
Dept of Housing & Urban Development	1,305	0	0	0	0	0	0	0	1,305
Department of the Interior, total	11,114	0	0	3,404	6,177	584	0	640	309
Bureau of Reclamation	5,037	0	0	1,383	2,745	439	0	470	0
Geological Survey	867	0	0	0	722	145	0	0	0
Minerals Management Service	5,210	0	0	2,021	2,710	0	0	170	309
Department of Labor, total	250	0	0	0	0	0	0	0	250
Employment & Training Admin	250	0	0	0	0	0	0	0	250
Department of Transportation, total	185,871	3,820	0	0	30,335	1,345	37,948	37,360	75,063
Coast Guard	2,440	0	0	0	200	1,270	520	450	0
Federal Aviation Administration	58,789	3,820	0	0	2	0	18,898	36,069	0
Federal Highway Administration	62,179	0	0	0	29,603	0	258	0	32,318
Federal Motor Carrier Safety Administration[2]	128	0	0	0	0	0	0	0	128
Federal Railroad Administration	24,086	0	0	0	530	75	5,124	841	17,516
National Highway Traffic Safety Administration	34,387	0	0	0	0	0	13,148	0	21,239
Research & Special Programs Administration	3,862	0	0	0	0	0	0	0	3,862
Department of Veterans Affairs	18,775	0	0	0	0	0	0	0	18,775

See explanatory information, if any, and SOURCE at end of table.

Table C-25. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nauti-cal	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Other agencies:									
Broadcasting Board of Governors[3]	84	0	0	0	0	0	0	0	84
Environmental Protection Agency[4]	47,596	0	0	11,177	16,039	469	469	729	18,713
Federal Communications Commission ..	382	0	0	0	0	382	0	0	0
National Aeronautics & Space Administration[5]	1,443,851	900,791	440,650	3,210	0	16,568	16,716	24,811	41,105
National Science Foundation	492,091	0	0	43,973	41,232	49,284	6,897	119,844	230,861
Nuclear Regulatory Commission	53,000	0	0	0	0	0	0	0	53,000

1 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

2 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

3 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-26. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	2,205,594	432,927	1,659,570	113,097	1,050,312	15,883	249,492	22,583	90,608	671,746
Departments:										
Department of Agriculture, total	13,606	13,606	0	0	138,486	282	121,816	0	16,388	0
Agricultural Research Service	1,047	1,047	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	61,414	0	46,071	0	15,343	0
Economic Research Service	0	0	0	0	64,152	0	64,152	0	0	0
Forest Service	8,703	8,703	0	0	11,310	282	9,983	0	1,045	0
Natural Agricultural Statistics Service	3,856	3,856	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc	0	0	0	0	1,610	0	1,610	0	0	0
Department of Commerce, total	78,836	14,777	55,813	8,246	22,554	0	5,982	9,242	7,330	0
Bureau of the Census	4,285	0	0	4,285	0	0	0	0	0	0
Economic Development Admin	0	0	0	0	576	0	576	0	0	0
Nat'l Inst of Standards & Tech	53,807	4,468	45,378	3,961	0	0	0	0	0	0
Nat'l Oceanic & Atmospheric Administration	20,744	10,309	10,435	0	21,978	0	5,406	9,242	7,330	0
Department of Defense, total	700,416	65,196	578,021	57,199	19,577	0	3,091	1,965	415	14,106
Defense Agencies, total	473,051	23,174	417,173	32,704	19,577	0	3,091	1,965	415	14,106
Ballistic Missile Defense Org	234	0	234	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	393,938	12,807	358,731	22,400	0	0	0	0	0	0
Defense Threat Reduction Agency	32,111	0	23,195	8,916	0	0	0	0	0	0
Washington Headquarters Svcs	46,768	10,367	35,013	1,388	19,577	0	3,091	1,965	415	14,106
Department of the Air Force	77,943	17,257	39,591	21,095	0	0	0	0	0	0
Department of the Army	96,928	14,484	79,282	3,162	0	0	0	0	0	0
Department of the Navy	52,494	10,281	41,975	238	0	0	0	0	0	0
Department of Education	0	0	0	0	132,385	956	1,553	0	936	128,940
Department of Energy	714,465	93,926	619,239	1,300	0	0	0	0	0	0
Dept of Health & Human Svcs, total	137,542	126,072	11,470	0	325,235	30	37,149	0	672	287,384
Admin for Children & Families	0	0	0	0	27,343	0	0	0	0	27,343
Administration on Aging	0	0	0	0	2,829	0	0	0	0	2,829
Agency for Healthcare Research and Quality[1]	11,732	262	11,470	0	45,741	30	37,149	0	672	7,890
National Institutes of Health[2]	125,810	125,810	0	0	232,622	0	0	0	0	232,622
Office of the Secretary, total	0	0	0	0	16,700	0	0	0	0	16,700
Office of the Asst Secretary, Planning & Evaluation	0	0	0	0	16,700	0	0	0	0	16,700
Dept of Housing & Urban Development	21	0	0	21	13,032	0	10,801	169	859	1,203
Department of the Interior, total	4,809	684	4,065	60	20,341	53	745	0	1,643	17,900
Bureau of Reclamation	0	0	0	0	160	0	80	0	0	80
Geological Survey	3,178	650	2,528	0	867	0	0	0	506	361
Minerals Management Service	30	0	0	30	1,836	53	646	0	1,137	0
National Park Service	1,601	34	1,537	30	17,478	0	19	0	0	17,459
Department of Justice, total	500	0	0	500	38,279	0	100	0	14,446	23,733
Bureau of Prisons	500	0	0	500	2,433	0	100	0	1,200	1,133
Office of Justice Programs	0	0	0	0	35,846	0	0	0	13,246	22,600
Department of Labor, total	643	0	179	464	45,242	0	25,660	100	0	19,482
Bureau of Labor Statistics	0	0	0	0	12,300	0	12,300	0	0	0
Employment & Training Admin	464	0	0	464	24,271	0	4,789	0	0	19,482
Occupational Safety & Hlth Admin	0	0	0	0	5,790	0	5,790	0	0	0
Office of the Secretary	179	0	179	0	100	0	0	100	0	0
Pension & Welfare Benefits Admin	0	0	0	0	2,726	0	2,726	0	0	0
Pension Benefit Guaranty Corp	0	0	0	0	55	0	55	0	0	0
Department of State[3]	0	0	0	0	1,521	0	243	259	106	913

See explanatory information, if any, and SOURCE at end of table.

Table C-26. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Department of Transportation, total	12,455	0	4,976	7,479	11,590	0	2,700	900	0	7,990
Coast Guard	1,100	0	1,100	0	0	0	0	0	0	0
Federal Aviation Administration	2,329	0	2,329	0	0	0	0	0	0	0
Federal Highway Administration	2,027	0	1,422	605	6,433	0	2,600	900	0	2,933
Federal Motor Carrier Safety Administration[4]	0	0	0	0	100	0	100	0	0	0
Federal Railroad Administration	125	0	125	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	6,574	0	0	6,574	5,057	0	0	0	0	5,057
Research & Special Programs Administration	300	0	0	300	0	0	0	0	0	0
Department of the Treasury, total	0	0	0	0	47,552	0	2,499	0	0	45,053
Internal Revenue Service	0	0	0	0	47,424	0	2,371	0	0	45,053
Office of Thrift Supervision	0	0	0	0	128	0	128	0	0	0
Other agencies:										
Appalachian Regional Commission	0	0	0	0	625	0	325	0	0	300
Environmental Protection Agency[5]	10,518	5,372	4,769	377	3,612	0	1,828	0	0	1,784
Federal Communications Commission	78	0	78	0	2,154	0	2,154	0	0	0
Federal Trade Commission	0	0	0	0	674	0	674	0	0	0
Internat'l Development Cooperation Agency, total	0	0	0	0	66,841	0	10,917	4,356	41,839	9,729
Agency for International Development[6]	0	0	0	0	66,841	0	10,917	4,356	41,839	9,729
National Aeronautics & Space Administration[7]	65,557	3,158	24,948	37,451	977	0	0	0	0	977
National Science Foundation	466,148	110,136	356,012	0	116,857	12,317	21,255	5,592	5,660	72,033
Smithsonian Institution	0	0	0	0	14,095	2,245	0	0	314	11,536
Social Security Administration	0	0	0	0	28,683	0	0	0	0	28,683

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

4 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

7 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-27. Federal obligations for basic research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	19,569,849	3,621,789	1,356,548	171,343	10,056,698	1,674,020	1,985,269	521,619	75,663	106,900
Departments:										
Department of Agriculture, total	807,947	551,588	5,377	0	243,996	0	4,623	0	633	1,730
Agricultural Research Service	477,725	446,242	0	0	26,938	0	2,816	0	213	1,516
Cooperative State Research, Education, & Extension Service	229,890	12,323	5,330	0	210,879	0	944	0	414	0
Economic Research Service	6,415	6,415	0	0	0	0	0	0	0	0
Food Safety Inspection Service	410	410	0	0	0	0	0	0	0	0
Foreign Agricultural Service	808	585	0	0	223	0	0	0	0	0
Forest Service	91,430	84,344	47	0	5,956	0	863	0	6	214
Nat'l Agricultural Statistics Svc	1,269	1,269	0	0	0	0	0	0	0	0
Department of Commerce, total	46,362	41,914	612	0	3,830	0	6	0	0	0
Bureau of the Census	1,766	1,766	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	40,258	36,393	612	0	3,247	0	6	0	0	0
Nat'l Oceanic & Atmospheric Admin	4,338	3,755	0	0	583	0	0	0	0	0
Department of Defense, total	1,230,119	391,577	119,803	1,174	653,311	1,863	30,804	3,115	0	28,472
Defense Agencies, total	417,094	59,022	21,573	673	332,389	284	549	2,289	0	315
Chemical and Biological Defense [2]	37,679	27,154	2,754	0	7,771	0	0	0	0	0
Defense Adv Rsch Projects Agcy	52,448	5,723	7,393	673	36,122	284	549	1,389	0	315
TRICARE Management Activity [3]	69,071	3,453	6,217	0	59,401	0	0	0	0	0
Washington Headquarters Svcs	257,896	22,692	5,209	0	229,095	0	0	900	0	0
Department of the Air Force	253,412	117,072	20,933	0	92,008	967	1,694	0	0	20,738
Department of the Army	205,277	102,095	33,420	86	66,642	147	2,160	0	0	727
Department of the Navy	354,336	113,388	43,877	415	162,272	465	26,401	826	0	6,692
Department of Education	2,053	112	0	0	1,941	0	0	0	0	0
Department of Energy	2,175,837	31,108	55,776	46,401	484,527	1,030,885	30,779	492,859	2,550	952
Dept of Health & Human Svcs, total	10,055,392	1,696,766	477,097	123,603	5,991,475	30,620	1,625,821	19,433	49,835	40,742
Agency for Healthcare Research and Quality [4]	153	1	0	0	0	0	0	0	0	152
Health Resources & Services Admin	1,160	1,160	0	0	0	0	0	0	0	0
National Institutes of Health [5]	10,054,079	1,695,605	477,097	123,603	5,991,475	30,620	1,625,821	19,433	49,835	40,590
Department of the Interior, total	51,822	48,334	0	0	3,437	0	0	0	51	0
Geological Survey	51,322	48,209	0	0	3,062	0	0	0	51	0
National Park Service	500	125	0	0	375	0	0	0	0	0
Department of Justice, total	21,744	300	0	0	9,754	0	4,109	0	7,581	0
Office of Justice Programs	21,744	300	0	0	9,754	0	4,109	0	7,581	0
Department of Labor, total	11,000	7,100	0	0	3,900	0	0	0	0	0
Bureau of Labor Statistics	11,000	7,100	0	0	3,900	0	0	0	0	0
Department of Transportation, total	16,198	4,426	5,507	0	117	105	5,392	0	650	1
Federal Highway Administration	16,198	4,426	5,507	0	117	105	5,392	0	650	1
Department of the Treasury, total	10	10	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	10	10	0	0	0	0	0	0	0	0
Department of Veterans Affairs	149,241	149,241	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-27. Federal obligations for basic research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Environmental Protection Agency [6]	58,590	37,278	2,466	0	11,543	0	5,676	0	1,532	95
International Development Cooperation Agency, total	85	11	0	0	1	0	73	0	0	0
Agency for International Development [7]	85	11	0	0	1	0	73	0	0	0
National Aeronautics & Space Administration [8]	2,305,437	546,142	616,403	165	519,788	460,640	133,719	1,434	4,170	22,976
National Science Foundation	2,540,012	17,882	73,507	0	2,129,078	149,907	144,267	4,778	8,661	11,932
Smithsonian Institution	98,000	98,000	0	0	0	0	0	0	0	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

7 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

8 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-28. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	22,704,680	3,953,734	1,862,299	229,883	11,894,679	1,822,920	2,263,811	491,929	87,336	98,089
Departments:										
Department of Agriculture, total	906,849	605,466	7,054	0	287,343	0	4,623	0	633	1,730
Agricultural Research Service	533,158	495,783	0	0	32,830	0	2,816	0	213	1,516
Cooperative State Research, Education, & Extension Service	273,185	16,486	7,007	0	248,334	0	944	0	414	0
Economic Research Service	6,589	6,589	0	0	0	0	0	0	0	0
Foreign Agricultural Service	808	585	0	0	223	0	0	0	0	0
Forest Service	91,840	84,754	47	0	5,956	0	863	0	6	214
Nat'l Agricultural Statistics Svc	1,269	1,269	0	0	0	0	0	0	0	0
Department of Commerce, total	47,907	42,744	604	0	4,553	0	6	0	0	0
Bureau of the Census	41	41	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	43,324	38,759	604	0	3,955	0	6	0	0	0
Nat'l Oceanic & Atmospheric Admin	4,542	3,944	0	0	598	0	0	0	0	0
Department of Defense, total	1,915,639	437,880	178,807	3,201	1,238,832	2,803	38,751	3,545	0	11,820
Defense Agencies, total	1,086,610	94,485	78,600	2,518	899,849	1,094	6,449	2,956	0	659
Chemical and Biological Defense [2]	34,823	25,808	1,244	0	7,771	0	0	0	0	0
Defense Adv Rsch Projects Agcy	109,738	11,974	15,469	1,408	75,579	594	1,149	2,906	0	659
TRICARE Management Activity [3]	545,859	4,942	27,292	0	513,625	0	0	0	0	0
Washington Headquarters Svcs	396,190	51,761	34,595	1,110	302,874	500	5,300	50	0	0
Department of the Air Force	238,462	124,546	16,757	132	91,227	800	1,400	0	0	3,600
Department of the Army	204,552	95,324	33,268	0	72,629	281	2,395	0	0	655
Department of the Navy	386,015	123,525	50,182	551	175,127	628	28,507	589	0	6,906
Department of Education	2,253	112	0	0	2,141	0	0	0	0	0
Department of Energy	2,368,986	49,604	125,287	84,677	516,831	1,100,336	21,069	459,099	10,909	1,174
Dept of Health & Human Svcs, total	11,533,424	1,884,459	547,493	141,840	6,926,640	35,138	1,871,674	22,299	57,305	46,576
Health Resources & Services Admin	1,190	1,190	0	0	0	0	0	0	0	0
National Institutes of Health [4]	11,532,234	1,883,269	547,493	141,840	6,926,640	35,138	1,871,674	22,299	57,305	46,576
Department of the Interior, total	56,409	50,087	0	0	6,250	0	0	0	72	0
Geological Survey	55,911	49,963	0	0	5,876	0	0	0	72	0
National Park Service	498	124	0	0	374	0	0	0	0	0
Department of Justice, total	21,350	300	0	0	9,450	0	11,600	0	0	0
Office of Justice Programs	21,350	300	0	0	9,450	0	11,600	0	0	0
Department of Labor, total	11,000	7,100	0	0	3,900	0	0	0	0	0
Bureau of Labor Statistics	11,000	7,100	0	0	3,900	0	0	0	0	0
Department of Transportation, total	29,989	6,811	14,858	0	600	60	7,660	0	0	0
Federal Highway Administration	29,989	6,811	14,858	0	600	60	7,660	0	0	0
Department of the Treasury, total	27	27	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	27	27	0	0	0	0	0	0	0	0
Department of Veterans Affairs	153,324	153,324	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-28. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Environmental Protection Agency [5]	104,402	39,915	7,461	0	34,926	0	17,173	0	4,637	290
International Development Cooperation Agency, total	100	15	0	0	1	0	84	0	0	0
Agency for International Development [6]	100	15	0	0	1	0	84	0	0	0
National Aeronautics & Space Administration [7]	2,657,291	556,208	899,827	165	519,788	519,584	132,380	1,727	4,247	23,365
National Science Foundation	2,795,730	19,682	80,908	0	2,343,424	164,999	158,791	5,259	9,533	13,134
Smithsonian Institution	100,000	100,000	0	0	0	0	0	0	0	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

7 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-29. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	23,399,291	4,270,783	1,828,189	243,932	12,178,223	1,687,504	2,507,379	497,573	94,775	90,933
Departments:										
Department of Agriculture, total	848,751	608,550	5,154	0	228,061	0	4,623	0	633	1,730
Agricultural Research Service	529,381	497,898	0	0	26,938	0	2,816	0	213	1,516
Cooperative State Research, Education, & Extension Service	213,786	12,377	5,107	0	194,944	0	944	0	414	0
Economic Research Service	6,720	6,720	0	0	0	0	0	0	0	0
Foreign Agricultural Service	808	585	0	0	223	0	0	0	0	0
Forest Service	96,760	89,674	47	0	5,956	0	863	0	6	214
Nat'l Agricultural Statistics Svc	1,296	1,296	0	0	0	0	0	0	0	0
Department of Commerce, total	53,351	48,151	608	0	4,586	0	6	0	0	0
Nat'l Inst of Standards & Tech	48,809	44,207	608	0	3,988	0	6	0	0	0
Nat'l Oceanic & Atmospheric Admin	4,542	3,944	0	0	598	0	0	0	0	0
Department of Defense, total	1,363,205	423,193	152,133	5,605	730,590	3,241	33,704	3,825	0	10,914
Defense Agencies, total	518,154	68,249	51,214	4,897	387,549	1,232	1,222	3,090	0	701
Chemical and Biological Defense [2]	33,206	14,973	6,413	0	11,820	0	0	0	0	0
Defense Adv Rsch Projects Agcy	116,692	12,733	16,449	1,497	80,368	632	1,222	3,090	0	701
TRICARE Management Activity [3]	50,360	3,461	2,518	0	44,381	0	0	0	0	0
Washington Headquarters Svcs	317,896	37,082	25,834	3,400	250,980	600	0	0	0	0
Department of the Air Force	238,089	113,439	19,000	150	100,000	1,000	1,500	0	0	3,000
Department of the Army	208,156	113,887	30,074	0	61,759	371	2,031	0	0	34
Department of the Navy	398,806	127,618	51,845	558	181,282	638	28,951	735	0	7,179
Department of Education	2,126	98	0	0	2,028	0	0	0	0	0
Department of Energy	2,339,169	45,560	113,244	78,666	506,248	1,107,996	14,600	461,883	10,434	538
Dept of Health & Human Svcs, total	12,969,005	2,118,896	615,645	159,496	7,788,898	39,512	2,104,668	25,075	64,439	52,376
Health Resources & Services Admin	1,190	1,190	0	0	0	0	0	0	0	0
National Institutes of Health [4]	12,967,815	2,117,706	615,645	159,496	7,788,898	39,512	2,104,668	25,075	64,439	52,376
Department of the Interior, total	53,722	50,160	0	0	3,484	0	0	0	78	0
Geological Survey	53,024	49,886	0	0	3,060	0	0	0	78	0
National Park Service	698	274	0	0	424	0	0	0	0	0
Department of Justice, total	21,250	300	0	0	8,850	0	12,100	0	0	0
Office of Justice Programs	21,250	300	0	0	8,850	0	12,100	0	0	0
Department of Labor, total	11,000	7,100	0	0	3,900	0	0	0	0	0
Bureau of Labor Statistics	11,000	7,100	0	0	3,900	0	0	0	0	0
Department of Transportation, total	33,196	15,946	6,350	0	3,000	0	6,900	0	1,000	0
Federal Highway Administration	33,196	15,946	6,350	0	3,000	0	6,900	0	1,000	0
Department of the Treasury, total	30	30	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	30	30	0	0	0	0	0	0	0	0
Department of Veterans Affairs	157,690	157,690	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-29. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Environmental Protection Agency [5]	97,570	37,455	6,955	0	32,558	0	16,009	0	4,322	271
International Development Cooperation Agency, total	100	15	0	0	1	0	84	0	0	0
Agency for International Development [6]	100	15	0	0	1	0	84	0	0	0
National Aeronautics & Space Administration [7]	2,548,050	635,934	847,095	165	519,788	371,559	155,704	1,525	4,325	11,955
National Science Foundation	2,799,076	19,705	81,005	0	2,346,231	165,196	158,981	5,265	9,544	13,149
Smithsonian Institution	102,000	102,000	0	0	0	0	0	0	0	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

7 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-30. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Field of science and engineering	2000	Preliminary	
		2001	2002
Total, all fields	19,569,849	22,704,680	23,399,291
Life sciences, total	10,048,971	11,951,708	12,537,579
Biological (excluding environmental)	6,851,114	NA	NA
Environmental biology	313,614	NA	NA
Agricultural	445,707	NA	NA
Medical	1,923,803	NA	NA
Life sciences, n.e.c.	514,733	NA	NA
Psychology, total	817,786	943,973	1,044,868
Biological aspects	5,555	NA	NA
Social aspects	14,437	NA	NA
Psychological sciences, n.e.c.	797,794	NA	NA
Physical sciences, total	3,470,616	3,852,202	3,835,511
Astronomy	793,988	NA	NA
Chemistry	765,809	NA	NA
Physics	1,764,387	NA	NA
Physical sciences, n.e.c.	146,432	NA	NA
Environmental sciences, total	1,838,422	2,058,421	2,055,588
Atmospheric	717,028	NA	NA
Geological	429,565	NA	NA
Oceanography	364,890	NA	NA
Environmental sciences, n.e.c.	326,939	NA	NA
Mathematics & computer sciences, total	798,258	923,127	927,529
Mathematics	308,616	NA	NA
Computer sciences	462,999	NA	NA
Mathematics & computer sciences, n.e.c.	26,643	NA	NA
Engineering, total	1,764,175	2,071,781	2,024,796
Aeronautical	322,771	NA	NA
Astronautical	88,702	NA	NA
Chemical	52,573	NA	NA
Civil	59,706	NA	NA
Electrical	177,045	NA	NA
Mechanical	93,369	NA	NA
Metallurgy & materials	517,837	NA	NA
Engineering, n.e.c.	452,172	NA	NA
Social sciences, total	308,009	341,734	355,071
Anthropology	14,029	NA	NA
Economics	51,775	NA	NA
Political science	5,061	NA	NA
Sociology	11,775	NA	NA
Social sciences, n.e.c.	225,369	NA	NA
Other sciences, n.e.c.	523,612	561,734	618,349

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-31. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	19,569,849	10,048,971	817,786	3,470,616	1,838,422	798,258	1,764,175	308,009	523,612
Departments:									
Department of Agriculture, total	807,947	706,692	125	45,455	4,721	3,383	21,718	25,131	722
Agricultural Research Service	477,725	438,886	0	31,817	2,101	621	4,300	0	0
Cooperative State Research, Education, & Extension Service	229,890	202,007	0	7,430	595	0	4,986	14,872	0
Economic Research Service	6,415	0	0	0	0	0	0	6,415	0
Food Safety Inspection Service	410	410	0	0	0	0	0	0	0
Foreign Agricultural Service	808	808	0	0	0	0	0	0	0
Forest Service	91,430	64,581	125	6,208	2,025	1,493	12,432	3,844	722
Nat'l Agricultural Statistics Svc	1,269	0	0	0	0	1,269	0	0	0
Department of Commerce, total	46,362	4,365	0	30,825	4,852	2,665	3,655	0	0
Bureau of the Census	1,766	0	0	0	0	1,766	0	0	0
Nat'l Inst of Standards & Tech	40,258	4,365	0	30,825	514	899	3,655	0	0
Nat'l Oceanic & Atmospheric Admin	4,338	0	0	0	4,338	0	0	0	0
Department of Defense, total	1,230,119	230,060	17,880	154,054	152,570	137,506	485,676	415	51,958
Defense Agencies, total	417,094	140,662	12,946	35,595	17,187	36,876	166,893	415	6,520
Chemical and Biological Defense[1]	37,679	36,646	0	1,033	0	0	0	0	0
Defense Adv Rsch Projects Agcy	52,448	2,406	0	2,520	0	8,228	32,774	0	6,520
TRICARE Management Activity[2]	69,071	69,071	0	0	0	0	0	0	0
Washington Headquarters Svcs	257,896	32,539	12,946	32,042	17,187	28,648	134,119	415	0
Department of the Air Force	253,412	15,712	652	39,988	3,254	33,087	131,708	0	29,011
Department of the Army	205,277	27,275	4,282	27,067	12,733	38,769	78,724	0	16,427
Department of the Navy	354,336	46,411	0	51,404	119,396	28,774	108,351	0	0
Department of Education	2,053	0	0	0	0	0	0	2,053	0
Department of Energy	2,175,837	203,298	0	1,359,927	232,966	112,167	266,007	0	1,472
Dept of Health & Human Svcs, total	10,055,392	8,139,473	778,662	324,920	192,508	66,929	204,846	123,751	224,303
Agency for Healthcare Research and Quality[3]	153	0	0	0	0	0	0	0	153
Health Resources & Services Admin	1,160	1,160	0	0	0	0	0	0	0
National Institutes of Health[4]	10,054,079	8,138,313	778,662	324,920	192,508	66,929	204,846	123,751	224,150
Department of the Interior, total	51,822	10,952	0	0	40,870	0	0	0	0
Geological Survey	51,322	10,952	0	0	40,370	0	0	0	0
National Park Service	500	0	0	0	500	0	0	0	0
Department of Justice, total	21,744	0	0	0	0	0	0	21,744	0
Office of Justice Programs	21,744	0	0	0	0	0	0	21,744	0
Department of Labor, total	11,000	0	0	0	0	0	0	11,000	0
Bureau of Labor Statistics	11,000	0	0	0	0	0	0	11,000	0
Department of Transportation, total	16,198	0	0	0	0	0	11,312	4,886	0
Federal Highway Administration	16,198	0	0	0	0	0	11,312	4,886	0
Department of the Treasury, total	10	0	0	10	0	0	0	0	0
Bureau of Engraving & Printing	10	0	0	10	0	0	0	0	0
Department of Veterans Affairs	149,241	132,955	13,362	0	0	0	2,924	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-31. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Environmental Protection Agency[5]	58,590	36,996	0	2,351	12,458	1,019	2,450	0	3,316
Internat'l Development Cooperation Agency, total	85	0	0	0	0	0	0	0	85
Agcy for Internat'l Development[6]	85	0	0	0	0	0	0	0	85
National Aeronautics & Space Admin[7]	2,305,437	107,165	2,522	994,929	728,063	25,433	380,172	977	66,176
National Science Foundation	2,540,012	439,261	5,235	516,430	465,718	449,156	385,415	103,957	174,840
Smithsonian Institution	98,000	37,754	0	41,715	3,696	0	0	14,095	740

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

7 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-32. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	22,704,680	11,951,708	943,973	3,852,202	2,058,421	923,127	2,071,781	341,734	561,734
Departments:									
Department of Agriculture, total	906,849	797,867	126	48,155	6,601	3,461	22,708	27,206	725
Agricultural Research Service	533,158	489,812	0	33,856	3,999	693	4,798	0	0
Cooperative State Research, Education, & Extension Service	273,185	242,376	0	8,064	568	0	5,422	16,755	0
Economic Research Service	6,589	0	0	0	0	0	0	6,589	0
Foreign Agricultural Service	808	808	0	0	0	0	0	0	0
Forest Service	91,840	64,871	126	6,235	2,034	1,499	12,488	3,862	725
Nat'l Agricultural Statistics Svc	1,269	0	0	0	0	1,269	0	0	0
Department of Commerce, total	47,907	4,699	0	33,172	5,095	1,008	3,933	0	0
Bureau of the Census	41	0	0	0	0	41	0	0	0
Nat'l Inst of Standards & Tech	43,324	4,699	0	33,172	553	967	3,933	0	0
Nat'l Oceanic & Atmospheric Admin	4,542	0	0	0	4,542	0	0	0	0
Department of Defense, total	1,915,639	721,801	28,361	210,849	170,955	165,706	576,627	3,976	37,364
Defense Agencies, total	1,086,610	627,253	22,957	76,542	18,954	55,954	274,539	3,976	6,435
Chemical and Biological Defense[1]	34,823	33,692	0	1,131	0	0	0	0	0
Defense Adv Rsch Projects Agcy	109,738	9,434	0	7,039	0	13,307	73,523	0	6,435
TRICARE Management Activity[2]	545,859	545,859	0	0	0	0	0	0	0
Washington Headquarters Svcs	396,190	38,268	22,957	68,372	18,954	42,647	201,016	3,976	0
Department of the Air Force	238,462	12,796	600	42,719	3,550	36,111	119,483	0	23,203
Department of the Army	204,552	31,223	4,804	35,577	18,364	42,297	64,561	0	7,726
Department of the Navy	386,015	50,529	0	56,011	130,087	31,344	118,044	0	0
Department of Education	2,253	0	0	0	0	0	0	2,253	0
Department of Energy	2,368,986	227,803	0	1,460,066	236,777	150,417	292,947	0	976
Dept of Health & Human Svcs, total	11,533,424	9,336,002	893,141	372,689	220,811	76,769	234,962	141,945	257,105
Health Resources & Services Admin	1,190	1,190	0	0	0	0	0	0	0
National Institutes of Health[3]	11,532,234	9,334,812	893,141	372,689	220,811	76,769	234,962	141,945	257,105
Department of the Interior, total	56,409	12,847	0	0	43,562	0	0	0	0
Geological Survey	55,911	12,847	0	0	43,064	0	0	0	0
National Park Service	498	0	0	0	498	0	0	0	0
Department of Justice, total	21,350	0	0	0	0	0	0	21,350	0
Office of Justice Programs	21,350	0	0	0	0	0	0	21,350	0
Department of Labor, total	11,000	0	0	0	0	0	0	11,000	0
Bureau of Labor Statistics	11,000	0	0	0	0	0	0	11,000	0
Department of Transportation, total	29,989	0	0	0	0	0	26,836	3,153	0
Federal Highway Administration	29,989	0	0	0	0	0	26,836	3,153	0
Department of the Treasury, total	27	0	0	27	0	0	0	0	0
Bureau of Engraving & Printing	27	0	0	27	0	0	0	0	0
Department of Veterans Affairs	153,324	137,378	11,592	0	0	0	4,354	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-32. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Environmental Protection Agency[4]	104,402	68,335	0	6,955	19,223	2,076	1,748	0	6,065
Internat'l Development Cooperation Agency, total	100	0	0	0	0	0	0	0	100
Agcy for Internat'l Development[5]	100	0	0	0	0	0	0	0	100
National Aeronautics & Space Admin[6]	2,657,291	123,520	4,991	1,109,685	839,179	29,315	483,448	977	66,176
National Science Foundation	2,795,730	483,483	5,762	568,422	512,604	494,375	424,218	114,422	192,444
Smithsonian Institution	100,000	37,973	0	42,182	3,614	0	0	15,452	779

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

6 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-33. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	23,399,291	12,537,579	1,044,868	3,835,511	2,055,588	927,529	2,024,796	355,071	618,349
Departments:									
Department of Agriculture, total	848,751	742,149	133	47,967	6,729	3,564	22,802	24,643	764
Agricultural Research Service	529,381	486,342	0	33,616	3,970	688	4,765	0	0
Cooperative State Research, Education, & Extension Service	213,786	186,654	0	7,782	615	0	4,880	13,855	0
Economic Research Service	6,720	0	0	0	0	0	0	6,720	0
Foreign Agricultural Service	808	808	0	0	0	0	0	0	0
Forest Service	96,760	68,345	133	6,569	2,144	1,580	13,157	4,068	764
Nat'l Agricultural Statistics Svc	1,296	0	0	0	0	1,296	0	0	0
Department of Commerce, total	53,351	5,294	0	37,372	5,165	1,089	4,431	0	0
Nat'l Inst of Standards & Tech	48,809	5,294	0	37,372	623	1,089	4,431	0	0
Nat'l Oceanic & Atmospheric Admin	4,542	0	0	0	4,542	0	0	0	0
Department of Defense, total	1,363,205	209,754	17,931	202,351	172,203	161,831	537,154	1,140	60,841
Defense Agencies, total	518,154	115,121	12,415	68,250	20,279	53,832	240,275	1,140	6,842
Chemical and Biological Defense[1]	33,206	32,143	0	1,063	0	0	0	0	0
Defense Adv Rsch Projects Agcy	116,692	10,032	0	7,485	0	14,151	78,182	0	6,842
TRICARE Management Activity[2]	50,360	50,360	0	0	0	0	0	0	0
Washington Headquarters Svcs	317,896	22,586	12,415	59,702	20,279	39,681	162,093	1,140	0
Department of the Air Force	238,089	14,000	750	41,821	4,500	37,067	116,325	0	23,626
Department of the Army	208,156	28,430	4,766	34,413	13,026	38,549	58,599	0	30,373
Department of the Navy	398,806	52,203	0	57,867	134,398	32,383	121,955	0	0
Department of Education	2,126	0	0	0	0	0	0	2,126	0
Department of Energy	2,339,169	222,277	0	1,452,469	241,612	149,417	272,394	0	1,000
Dept of Health & Human Svcs, total	12,969,005	10,498,039	1,004,323	419,083	248,298	86,325	264,212	159,615	289,110
Health Resources & Services Admin	1,190	1,190	0	0	0	0	0	0	0
National Institutes of Health[3]	12,967,815	10,496,849	1,004,323	419,083	248,298	86,325	264,212	159,615	289,110
Department of the Interior, total	53,722	11,942	0	0	41,780	0	0	0	0
Geological Survey	53,024	11,942	0	0	41,082	0	0	0	0
National Park Service	698	0	0	0	698	0	0	0	0
Department of Justice, total	21,250	0	0	0	0	0	0	21,250	0
Office of Justice Programs	21,250	0	0	0	0	0	0	21,250	0
Department of Labor, total	11,000	0	0	0	0	0	0	11,000	0
Bureau of Labor Statistics	11,000	0	0	0	0	0	0	11,000	0
Department of Transportation, total	33,196	0	0	0	0	0	29,196	4,000	0
Federal Highway Administration	33,196	0	0	0	0	0	29,196	4,000	0
Department of the Treasury, total	30	0	0	30	0	0	0	0	0
Bureau of Engraving & Printing	30	0	0	30	0	0	0	0	0
Department of Veterans Affairs	157,690	141,296	11,926	0	0	0	4,468	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-33. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Environmental Protection Agency[4]	97,570	65,594	0	2,806	18,216	2,227	1,840	0	6,887
Internat'l Development Cooperation Agency, total	100	0	0	0	0	0	0	0	100
Agcy for Internat'l Development[5]	100	0	0	0	0	0	0	0	100
National Aeronautics & Space Admin[6]	2,548,050	118,442	4,786	1,061,305	804,681	28,109	463,573	977	66,177
National Science Foundation	2,799,076	484,062	5,769	569,102	513,218	494,967	424,726	114,559	192,673
Smithsonian Institution	102,000	38,730	0	43,026	3,686	0	0	15,761	797

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

6 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-34. Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Biological (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	817,786	5,555	14,437	797,794	10,048,971	6,851,114	313,614	445,707	1,923,803	514,733
Departments:										
Department of Agriculture, total	125	0	125	0	706,692	100,741	143,169	444,899	17,883	0
Agricultural Research Service	0	0	0	0	438,886	30,909	59,572	340,618	7,787	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	202,007	51,900	42,719	102,100	5,288	0
Food Safety Inspection Service	0	0	0	0	410	0	410	0	0	0
Foreign Agricultural Service	0	0	0	0	808	0	0	808	0	0
Forest Service	125	0	125	0	64,581	17,932	40,468	1,373	4,808	0
Department of Commerce, total	0	0	0	0	4,365	4,365	0	0	0	0
Nat'l Inst of Standards & Tech	0	0	0	0	4,365	4,365	0	0	0	0
Department of Defense, total	17,880	5,016	7,930	4,934	230,060	44,419	16,645	0	98,404	70,592
Defense Agencies, total	12,946	5,016	7,930	0	140,662	27,589	6,546	0	69,872	36,655
Chemical and Biological Defense[1]	0	0	0	0	36,646	0	0	0	0	36,646
Defense Adv Rsch Projects Agcy	0	0	0	0	2,406	2,406	0	0	0	0
TRICARE Management Activity[2]	0	0	0	0	69,071	0	0	0	69,071	0
Washington Headquarters Svcs	12,946	5,016	7,930	0	32,539	25,183	6,546	0	801	9
Department of the Air Force	652	0	0	652	15,712	5,305	2,865	0	642	6,900
Department of the Army	4,282	0	0	4,282	27,275	4,277	0	0	19,830	3,168
Department of the Navy	0	0	0	0	46,411	7,248	7,234	0	8,060	23,869
Department of Energy	0	0	0	0	203,298	196,492	1,500	0	0	5,306
Dept of Health & Human Svcs, total	778,662	0	0	778,662	8,139,473	6,053,754	0	0	1,665,552	420,167
Health Resources & Services Admin	0	0	0	0	1,160	0	0	0	1,160	0
National Institutes of Health[3]	778,662	0	0	778,662	8,138,313	6,053,754	0	0	1,664,392	420,167
Department of the Interior, total	0	0	0	0	10,952	5,804	5,148	0	0	0
Geological Survey	0	0	0	0	10,952	5,804	5,148	0	0	0
Department of Veterans Affairs	13,362	0	0	13,362	132,955	0	0	0	132,955	0
Other agencies:										
Environmental Protection Agency[4]	0	0	0	0	36,996	19,257	17,643	0	96	0
National Aeronautics & Space Admin[5]	2,522	539	1,147	836	107,165	73,123	5,653	808	8,913	18,668
National Science Foundation	5,235	0	5,235	0	439,261	333,817	105,444	0	0	0
Smithsonian Institution	0	0	0	0	37,754	19,342	18,412	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-35. Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	3,470,616	793,988	765,809	1,764,387	146,432	1,838,422	717,028	429,565	364,890	326,939
Departments:										
Department of Agriculture, total	45,455	0	43,005	2,450	0	4,721	4,371	350	0	0
Agricultural Research Service	31,817	0	30,336	1,481	0	2,101	2,054	47	0	0
Cooperative State Research, Education, & Extension Service	7,430	0	7,430	0	0	595	595	0	0	0
Forest Service	6,208	0	5,239	969	0	2,025	1,722	303	0	0
Department of Commerce, total	30,825	155	10,414	19,927	329	4,852	3,446	514	892	0
Nat'l Inst of Standards & Tech	30,825	155	10,414	19,927	329	514	0	514	0	0
Nat'l Oceanic & Atmospheric Admin	0	0	0	0	0	4,338	3,446	0	892	0
Department of Defense, total	154,054	0	67,492	70,988	15,574	152,570	18,193	3,116	119,723	11,538
Defense Agencies, total	35,595	0	12,839	21,723	1,033	17,187	3,010	1,814	8,026	4,337
Chemical and Biological Defense[1]	1,033	0	0	0	1,033	0	0	0	0	0
Defense Adv Rsch Projects Agcy	2,520	0	0	2,520	0	0	0	0	0	0
Washington Headquarters Svcs	32,042	0	12,839	19,203	0	17,187	3,010	1,814	8,026	4,337
Department of the Air Force	39,988	0	20,796	15,152	4,040	3,254	3,254	0	0	0
Department of the Army	27,067	0	8,767	16,738	1,562	12,733	4,230	1,302	0	7,201
Department of the Navy	51,404	0	25,090	17,375	8,939	119,396	7,699	0	111,697	0
Department of Energy	1,359,927	0	146,249	1,213,678	0	232,966	108,190	84,135	9,300	31,341
Dept of Health & Human Svcs, total	324,920	0	316,173	0	8,747	192,508	0	0	0	192,508
National Institutes of Health[2]	324,920	0	316,173	0	8,747	192,508	0	0	0	192,508
Department of the Interior, total	0	0	0	0	0	40,870	500	40,370	0	0
Geological Survey	0	0	0	0	0	40,370	0	40,370	0	0
National Park Service	0	0	0	0	0	500	500	0	0	0
Department of the Treasury, total	10	0	2	0	8	0	0	0	0	0
Bureau of Engraving & Printing	10	0	2	0	8	0	0	0	0	0
Other agencies:										
Environmental Protection Agency[3]	2,351	0	2,351	0	0	12,458	0	1,755	7,563	3,140
National Aeronautics & Space Admin[4]	994,929	626,402	45,400	292,078	31,049	728,063	431,698	180,982	43,072	72,311
National Science Foundation	516,430	128,027	134,112	163,566	90,725	465,718	150,554	114,964	184,099	16,101
Smithsonian Institution	41,715	39,404	611	1,700	0	3,696	76	3,379	241	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

4 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-36. Federal obligations for basic research in engineering, by agency and detailed field of engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	1,764,175	322,771	88,702	52,573	59,706	177,045	93,369	517,837	452,172
Departments:									
Department of Agriculture, total	21,718	0	0	3,918	1,588	400	1,194	0	14,618
Agricultural Research Service	4,300	0	0	2,150	669	382	478	0	621
Cooperative State Research, Education, & Extension Service	4,986	0	0	0	0	0	0	0	4,986
Forest Service	12,432	0	0	1,768	919	18	716	0	9,011
Department of Commerce, total	3,655	0	0	680	70	0	426	1,546	933
Nat'l Inst of Standards & Tech	3,655	0	0	680	70	0	426	1,546	933
Department of Defense, total	485,676	69,108	16,810	8,420	20,581	133,468	62,208	101,376	73,705
Defense Agencies, total	166,893	3,253	1,026	6,140	820	61,992	23,174	49,218	21,270
Defense Adv Rsch Projects Agcy	32,774	0	0	840	0	4,314	0	9,848	17,772
Washington Headquarters Svcs	134,119	3,253	1,026	5,300	820	57,678	23,174	39,370	3,498
Department of the Air Force	131,708	55,066	15,784	0	0	13,345	3,386	16,725	27,402
Department of the Army	78,724	7,666	0	2,280	19,761	19,570	15,622	9,669	4,156
Department of the Navy	108,351	3,123	0	0	0	38,561	20,026	25,764	20,877
Department of Energy	266,007	0	0	0	0	0	13,638	252,369	0
Dept of Health & Human Svcs, total	204,846	0	0	0	0	0	0	27,732	177,114
National Institutes of Health[1]	204,846	0	0	0	0	0	0	27,732	177,114
Department of Transportation, total	11,312	0	0	0	3,736	0	0	0	7,576
Federal Highway Administration	11,312	0	0	0	3,736	0	0	0	7,576
Department of Veterans Affairs	2,924	0	0	0	0	0	0	0	2,924
Other agencies:									
Environmental Protection Agency[2]	2,450	0	0	1,422	0	0	0	0	1,028
National Aeronautics & Space Admin[3]	380,172	253,663	71,892	2,770	0	6,742	10,147	16,788	18,170
National Science Foundation	385,415	0	0	35,363	33,731	36,435	5,756	118,026	156,104

[1] Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

[2] Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

[3] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-37. Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	798,258	308,616	462,999	26,643	308,009	14,029	51,775	5,061	11,775	225,369
Departments:										
Department of Agriculture, total	3,383	3,383	0	0	25,131	114	20,861	0	4,156	0
Agricultural Research Service	621	621	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	14,872	0	11,110	0	3,762	0
Economic Research Service	0	0	0	0	6,415	0	6,415	0	0	0
Forest Service	1,493	1,493	0	0	3,844	114	3,336	0	394	0
Nat'l Agricultural Statistics Svc	1,269	1,269	0	0	0	0	0	0	0	0
Department of Commerce, total	2,665	0	899	1,766	0	0	0	0	0	0
Bureau of the Census	1,766	0	0	1,766	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	899	0	899	0	0	0	0	0	0	0
Department of Defense, total	137,506	32,121	85,819	19,566	415	0	0	0	415	0
Defense Agencies, total	36,876	8,120	28,756	0	415	0	0	0	415	0
Defense Adv Rsch Projects Agcy	8,228	0	8,228	0	0	0	0	0	0	0
Washington Headquarters Svcs	28,648	8,120	20,528	0	415	0	0	0	415	0
Department of the Air Force	33,087	5,806	9,040	18,241	0	0	0	0	0	0
Department of the Army	38,769	7,914	29,768	1,087	0	0	0	0	0	0
Department of the Navy	28,774	10,281	18,255	238	0	0	0	0	0	0
Department of Education	0	0	0	0	2,053	0	0	0	0	2,053
Department of Energy	112,167	93,926	18,241	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	66,929	66,929	0	0	123,751	0	0	0	0	123,751
National Institutes of Health[1]	66,929	66,929	0	0	123,751	0	0	0	0	123,751
Department of Justice, total	0	0	0	0	21,744	0	0	0	2,344	19,400
Office of Justice Programs	0	0	0	0	21,744	0	0	0	2,344	19,400
Department of Labor, total	0	0	0	0	11,000	0	11,000	0	0	0
Bureau of Labor Statistics	0	0	0	0	11,000	0	11,000	0	0	0
Department of Transportation, total	0	0	0	0	4,886	0	2,600	0	0	2,286
Federal Highway Administration	0	0	0	0	4,886	0	2,600	0	0	2,286
Other agencies:										
Environmental Protection Agency[2]	1,019	913	0	106	0	0	0	0	0	0
National Aeronautics & Space Admin[3]	25,433	1,293	18,935	5,205	977	0	0	0	0	977
National Science Foundation	449,156	110,051	339,105	0	103,957	11,670	17,314	5,061	4,546	65,366
Smithsonian Institution	0	0	0	0	14,095	2,245	0	0	314	11,536

[1] Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

[2] Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

[3] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-38. Federal obligations for applied research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	18,900,701	5,827,774	3,444,605	528,920	5,959,183	1,099,214	1,734,574	174,461	86,854	45,116
Departments:										
Department of Agriculture, total	803,519	471,851	11,773	0	303,150	0	12,918	0	2,322	1,505
Agricultural Marketing Service	4,294	3,888	0	0	406	0	0	0	0	0
Agricultural Research Service	327,330	305,758	0	0	18,457	0	1,930	0	146	1,039
Cooperative State Research, Education, & Extension Service	305,152	21,353	7,092	0	268,391	0	7,791	0	525	0
Economic Research Service	57,737	48,628	4,528	0	3,670	0	743	0	0	168
Food Safety Inspection Service	1,625	1,625	0	0	0	0	0	0	0	0
Foreign Agricultural Service	614	223	0	0	391	0	0	0	0	0
Forest Service	100,350	85,781	153	0	11,596	0	871	0	1,651	298
Grain Inspection Packers & Stockyards Administration	720	720	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,587	2,375	0	0	169	0	43	0	0	0
Rural Business-Cooperative Svc	3,110	1,500	0	0	70	0	1,540	0	0	0
Department of Commerce, total	849,554	666,255	83,962	0	92,117	100	4,040	25	2,851	204
Bureau of the Census	2,519	2,519	0	0	0	0	0	0	0	0
Economic Development Admin	576	50	68	0	373	0	85	0	0	0
Nat'l Inst of Standards & Tech	268,296	178,595	79,013	0	7,654	0	2,822	25	0	187
Nat'l Oceanic & Atmospheric Admin	574,133	481,061	4,881	0	84,090	100	1,133	0	2,851	17
National Telecommunications & Information Administration	4,030	4,030	0	0	0	0	0	0	0	0
Department of Defense, total	3,690,234	1,356,866	1,641,354	19,250	459,441	89,380	80,418	34,602	30	8,893
Defense Agencies, total	1,482,216	257,747	731,027	15,170	334,083	75,668	33,405	31,154	0	3,962
Ballistic Missile Defense Org	104,147	19,168	73,629	0	11,125	200	25	0	0	0
Chemical and Biological Defense [2]	83,401	56,466	10,619	0	16,007	239	0	70	0	0
Defense Adv Rsch Projects Agcy	902,343	67,774	459,575	8,547	276,696	43,150	32,135	11,539	0	2,927
Defense Info Systems Agcy	1,332	57	1,275	0	0	0	0	0	0	0
Defense Logistics Agency	8,084	6,174	0	0	0	0	0	1,910	0	0
Defense Threat Reduction Agency	259,970	91,001	152,001	5,176	847	6,555	690	2,665	0	1,035
Special Operations Command	19,494	6,067	11,413	0	2,014	0	0	0	0	0
Washington Headquarters Svcs	103,445	11,040	22,515	1,447	27,394	25,524	555	14,970	0	0
Department of the Air Force	843,102	413,313	396,570	4,004	15,222	855	10,799	2,212	0	127
Department of the Army	765,593	433,581	261,543	76	50,134	1,112	16,486	665	30	1,966
Department of the Navy	599,323	252,225	252,214	0	60,002	11,745	19,728	571	0	2,838
Department of Education	161,493	6,403	6,545	0	109,969	0	38,417	0	159	0
Department of Energy	1,925,018	167,393	133,007	411,945	134,013	933,453	39,377	105,830	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-38. Federal obligations for applied research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	7,857,672	1,593,881	469,292	84,483	4,332,719	20,928	1,264,631	13,281	50,294	28,163
Admin for Children & Families	27,343	1,876	2,695	0	10,951	0	9,998	0	1,782	41
Administration on Aging	2,829	69	0	0	0	0	2,760	0	0	0
Agency for Healthcare Research and Quality [3]	186,688	38,534	49,640	0	65,915	0	32,599	0	0	0
Agency for Toxic Substances Disease & Registry [4]	14,675	2,770	10	0	5,210	0	3,552	0	3,133	0
Centers for Disease Control & Prevention	505,022	280,159	46,893	0	108,325	0	63,530	0	6,115	0
Food & Drug Administration	144,238	112,222	7,947	0	17,287	0	6,446	0	336	0
Health Care Financing Admin	61,482	303	35,342	0	10,005	0	11,288	0	4,165	379
Health Resources & Services Admin	34,455	5,402	0	0	13,706	0	15,347	0	0	0
National Institutes of Health [5]	6,864,240	1,151,210	326,097	84,483	4,095,183	20,928	1,111,253	13,281	34,062	27,743
Office of the Secretary, total	16,700	1,336	668	0	6,137	0	7,858	0	701	0
Office of the Asst Secretary, Planning & Evaluation	16,700	1,336	668	0	6,137	0	7,858	0	701	0
Dept of Housing & Urban Development	15,468	9,550	1,547	0	796	0	3,575	0	0	0
Department of the Interior, total	496,642	431,386	12,054	0	42,429	0	1,290	0	7,720	1,763
Bureau of Reclamation	7,386	6,203	0	0	464	0	347	0	372	0
Geological Survey	425,821	396,805	1,153	0	21,103	0	0	0	6,760	0
Minerals Management Service	29,213	7,089	8,820	0	10,832	0	607	0	102	1,763
National Park Service	34,222	21,289	2,081	0	10,030	0	336	0	486	0
Department of Justice, total	27,835	3,025	10,911	1,000	7,628	0	4,116	0	1,155	0
Bureau of Prisons	3,433	2,500	0	0	0	0	0	0	933	0
Office of Justice Programs	24,402	525	10,911	1,000	7,628	0	4,116	0	222	0
Department of Labor, total	35,135	28,618	4,940	0	937	0	640	0	0	0
Bureau of Labor Statistics	1,300	1,300	0	0	0	0	0	0	0	0
Employment & Training Admin	24,985	24,328	0	0	282	0	375	0	0	0
Occupational Safety & Hlth Admin	5,790	2,002	3,788	0	0	0	0	0	0	0
Office of the Secretary	279	25	154	0	100	0	0	0	0	0
Pension & Welfare Benefits Admin	2,726	908	998	0	555	0	265	0	0	0
Pension Benefit Guaranty Corp	55	55	0	0	0	0	0	0	0	0
Department of State [6]	1,521	588	933	0	0	0	0	0	0	0
Department of Transportation, total	328,220	134,465	129,870	3,140	31,876	14,597	6,023	5,131	2,733	385
Coast Guard	4,999	3,654	1,315	30	0	0	0	0	0	0
Federal Aviation Administration	164,420	66,252	69,994	3,048	11,107	8,781	0	5,131	0	107
Federal Highway Administration	76,667	11,605	38,555	0	12,808	5,816	5,120	0	2,733	30
Federal Motor Carrier Safety Administration [7]	2,833	387	1,513	0	802	0	56	0	0	75
Federal Railroad Administration	24,211	13,462	9,432	0	1,147	0	0	0	0	170
National Highway Traffic Safety Administration	50,569	36,446	7,872	0	6,012	0	236	0	0	3
Research & Special Programs Admin	4,521	2,659	1,189	62	0	0	611	0	0	0
Department of the Treasury, total	51,156	39,240	11,916	0	0	0	0	0	0	0
Bureau of Engraving & Printing	2,643	2,643	0	0	0	0	0	0	0	0
Internal Revenue Service	47,424	35,683	11,741	0	0	0	0	0	0	0
Office of Thrift Supervision	128	128	0	0	0	0	0	0	0	0
United States Secret Service	961	786	175	0	0	0	0	0	0	0
Department of Veterans Affairs	185,399	185,399	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-38. Federal obligations for applied research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	625	10	280	0	330	0	5	0	0	0
Broadcasting Board of Governors[8]	84	84	0	0	0	0	0	0	0	0
Environmental Protection Agency[4]	352,068	224,005	14,820	0	69,359	0	34,109	0	9,206	569
Federal Communications Commission	2,789	2,789	0	0	0	0	0	0	0	0
Federal Trade Commission	674	674	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	189,153	23,358	12,500	0	32,046	0	120,899	0	0	350
Agcy for Internat'l Development[9]	189,153	23,358	12,500	0	32,046	0	120,899	0	0	350
Library of Congress	601	601	0	0	0	0	0	0	0	0
National Aeronautics & Space Administration[10]	1,658,538	460,848	844,229	0	201,250	31,524	112,835	3,322	2,839	1,691
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	185,500	533	41,968	0	136,080	2,078	4,187	0	516	138
Nuclear Regulatory Commission	53,000	14,455	3,029	9,102	5,043	7,154	1,183	11,579	0	1,455
Social Security Administration	28,683	5,377	9,675	0	0	0	5,911	691	7,029	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

7 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

8 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-39. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	21,131,300	6,479,420	3,592,211	657,593	6,878,737	1,217,458	1,992,080	166,182	96,784	50,835
Departments:										
Department of Agriculture, total	925,686	513,074	13,468	0	381,785	0	13,600	0	2,322	1,437
Agricultural Marketing Service	4,401	4,401	0	0	0	0	0	0	0	0
Agricultural Research Service	365,312	339,702	0	0	22,495	0	1,930	0	146	1,039
Cooperative State Research, Education, & Extension Service	387,672	27,103	9,315	0	342,938	0	7,791	0	525	0
Economic Research Service	59,304	50,204	4,000	0	4,000	0	1,000	0	0	100
Foreign Agricultural Service	614	223	0	0	391	0	0	0	0	0
Forest Service	100,800	86,231	153	0	11,596	0	871	0	1,651	298
Grain Inspection Packers & Stockyards Administration	1,096	1,096	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,587	2,544	0	0	35	0	8	0	0	0
Rural Business-Cooperative Svc	3,900	1,570	0	0	330	0	2,000	0	0	0
Department of Commerce, total	928,806	777,855	52,384	0	95,221	0	2,649	25	482	190
Bureau of the Census	71	71	0	0	0	0	0	0	0	0
Economic Development Admin	550	50	100	0	200	0	200	0	0	0
Nat'l Inst of Standards & Tech	251,648	191,970	48,015	0	9,155	0	2,293	25	0	190
Nat'l Oceanic & Atmospheric Admin	672,305	581,532	4,269	0	85,866	0	156	0	482	0
National Telecommunications & Information Administration	4,232	4,232	0	0	0	0	0	0	0	0
Department of Defense, total	3,807,184	1,440,880	1,644,439	24,730	488,126	73,212	93,334	32,719	0	9,744
Defense Agencies, total	1,398,143	212,067	704,021	13,187	330,737	70,092	33,377	31,463	0	3,199
Ballistic Missile Defense Org	58,762	15,102	38,713	0	3,807	1,090	0	50	0	0
Chemical and Biological Defense [2]	77,170	57,232	11,111	0	8,686	141	0	0	0	0
Defense Adv Rsch Projects Agcy	906,341	68,074	461,611	8,585	277,922	43,341	32,277	11,590	0	2,941
Defense Info Systems Agcy	1,196	51	1,145	0	0	0	0	0	0	0
Defense Logistics Agency	8,696	7,697	0	0	0	0	0	999	0	0
Defense Threat Reduction Agency	201,245	44,780	146,153	3,059	493	4,785	400	1,317	0	258
Special Operations Command	22,073	6,353	14,326	0	1,394	0	0	0	0	0
Washington Headquarters Svcs	122,660	12,778	30,962	1,543	38,435	20,735	700	17,507	0	0
Department of the Air Force	818,780	430,005	351,686	4,172	14,813	865	15,594	321	0	1,324
Department of the Army	909,547	512,801	296,105	371	74,523	578	22,708	229	0	2,232
Department of the Navy	680,714	286,007	292,627	7,000	68,053	1,677	21,655	706	0	2,989
Department of Education	178,693	6,864	7,162	0	123,788	0	40,719	0	160	0
Department of Energy	2,213,403	216,109	141,987	520,190	145,006	1,045,338	40,311	103,353	1,109	0

See explanatory information, if any, and SOURCE at end of table.

Table C-39. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	9,167,627	1,810,452	599,054	97,663	5,047,454	24,194	1,477,345	15,354	63,414	32,697
Admin for Children & Families	27,921	1,916	2,751	0	11,181	0	10,212	0	1,819	42
Administration on Aging	3,728	91	0	0	0	0	3,637	0	0	0
Agency for Healthcare Research and Quality [3]	253,608	53,258	68,474	0	88,763	0	43,113	0	0	0
Agency for Toxic Substances Disease & Registry [4]	15,358	2,867	0	0	5,471	0	3,730	0	3,290	0
Centers for Disease Control & Prevention	569,940	328,077	61,893	0	108,325	0	63,530	0	8,115	0
Food & Drug Administration	151,513	117,713	8,300	0	18,100	0	6,800	0	400	200
Health Care Financing Admin	138,311	23	79,985	0	22,065	0	26,202	0	9,653	383
Health Resources & Services Admin	49,760	8,424	0	0	17,940	0	23,396	0	0	0
National Institutes of Health [5]	7,940,488	1,296,723	376,971	97,663	4,769,319	24,194	1,288,735	15,354	39,457	32,072
Office of the Secretary, total	17,000	1,360	680	0	6,290	0	7,990	0	680	0
Office of the Asst Secretary, Planning & Evaluation	17,000	1,360	680	0	6,290	0	7,990	0	680	0
Dept of Housing & Urban Development	18,883	11,675	1,888	0	954	0	4,366	0	0	0
Department of the Interior, total	533,182	455,771	10,983	0	56,336	0	1,325	0	7,716	1,051
Bureau of Reclamation	7,616	6,405	0	0	480	0	350	0	381	0
Geological Survey	462,017	422,093	0	0	33,055	0	0	0	6,869	0
Minerals Management Service	29,393	10,033	8,483	0	9,201	0	625	0	0	1,051
National Park Service	34,156	17,240	2,500	0	13,600	0	350	0	466	0
Department of Justice, total	43,275	3,125	13,535	1,000	21,325	0	3,215	0	1,075	0
Bureau of Prisons	3,250	2,600	0	0	0	0	0	0	650	0
Office of Justice Programs	40,025	525	13,535	1,000	21,325	0	3,215	0	425	0
Department of Labor, total	36,879	29,998	5,037	0	1,073	0	771	0	0	0
Bureau of Labor Statistics	1,300	1,300	0	0	0	0	0	0	0	0
Employment & Training Admin	26,243	25,547	0	0	296	0	400	0	0	0
Occupational Safety & Hlth Admin	5,516	2,076	3,440	0	0	0	0	0	0	0
Office of the Secretary	225	25	200	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3,538	993	1,397	0	777	0	371	0	0	0
Pension Benefit Guaranty Corp	57	57	0	0	0	0	0	0	0	0
Department of State [6]	1,550	600	950	0	0	0	0	0	0	0
Department of Transportation, total	383,759	138,565	168,853	6,995	41,718	12,842	7,980	4,291	1,211	1,304
Coast Guard	5,910	3,802	2,108	0	0	0	0	0	0	0
Federal Aviation Administration	200,096	67,988	99,725	2,600	12,890	12,492	0	4,291	0	110
Federal Highway Administration	78,198	15,034	34,871	4,395	15,133	350	7,204	0	1,211	0
Federal Motor Carrier Safety Administration [7]	8,035	916	4,403	0	2,334	0	163	0	0	219
Federal Railroad Administration	24,920	11,535	11,546	0	1,364	0	0	0	0	475
Federal Transit Administration	2,519	519	0	0	2,000	0	0	0	0	0
National Highway Traffic Safety Administration	58,313	34,721	14,795	0	7,997	0	300	0	0	500
Research & Special Programs Admin	5,768	4,050	1,405	0	0	0	313	0	0	0
Department of the Treasury, total	64,362	53,580	10,782	0	0	0	0	0	0	0
Bureau of Engraving & Printing	3,177	3,177	0	0	0	0	0	0	0	0
Internal Revenue Service	58,808	49,221	9,587	0	0	0	0	0	0	0
Office of Thrift Supervision	209	209	0	0	0	0	0	0	0	0
United States Customs Service	1,244	300	944	0	0	0	0	0	0	0
United States Secret Service	924	673	251	0	0	0	0	0	0	0
Department of Veterans Affairs	189,884	189,884	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-39. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	665	1	177	0	412	0	75	0	0	0
Broadcasting Board of Governors[8]	5	5	0	0	0	0	0	0	0	0
Environmental Protection Agency[4]	369,498	239,850	15,000	0	70,218	0	34,525	0	9,322	583
Federal Communications Commission	1,992	1,992	0	0	0	0	0	0	0	0
Federal Trade Commission	1,272	1,272	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	200,157	25,000	15,000	0	30,000	0	130,157	0	0	0
Agcy for Internat'l Development[9]	200,157	25,000	15,000	0	30,000	0	130,157	0	0	0
Library of Congress	1,691	416	1,275	0	0	0	0	0	0	0
National Aeronautics & Space Administration[10]	1,754,679	540,675	817,963	0	201,250	52,697	136,183	1,317	2,863	1,731
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	219,548	630	49,671	0	161,060	2,459	4,955	0	610	163
Nuclear Regulatory Commission	50,000	15,527	4,003	7,015	5,111	6,716	570	9,123	0	1,935
Social Security Administration	38,500	5,500	18,600	0	7,900	0	0	0	6,500	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

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8 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-40. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	21,927,617	6,430,268	3,878,760	645,387	7,317,202	1,252,821	2,078,684	157,618	108,517	58,360
Departments:										
Department of Agriculture, total	806,899	517,617	8,949	0	265,327	0	11,247	0	2,322	1,437
Agricultural Marketing Service	4,401	4,401	0	0	0	0	0	0	0	0
Agricultural Research Service	362,724	341,152	0	0	18,457	0	1,930	0	146	1,039
Cooperative State Research, Education, & Extension Service	263,035	21,428	6,796	0	228,848	0	5,438	0	525	0
Economic Research Service	60,480	53,380	2,000	0	4,000	0	1,000	0	0	100
Foreign Agricultural Service	614	223	0	0	391	0	0	0	0	0
Forest Service	106,200	91,631	153	0	11,596	0	871	0	1,651	298
Grain Inspection Packers & Stockyards Administration	1,203	1,203	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,642	2,599	0	0	35	0	8	0	0	0
Rural Business-Cooperative Svc	5,600	1,600	0	0	2,000	0	2,000	0	0	0
Department of Commerce, total	966,880	821,718	39,072	0	99,631	142	3,149	118	2,859	191
Economic Development Admin	550	50	100	0	200	0	200	0	0	0
Nat'l Inst of Standards & Tech	247,606	202,083	36,312	0	7,221	0	1,773	26	0	191
Nat'l Oceanic & Atmospheric Admin	714,724	615,585	2,660	0	92,210	142	1,176	92	2,859	0
National Telecommunications & Information Administration	4,000	4,000	0	0	0	0	0	0	0	0
Department of Defense, total	3,657,023	1,265,442	1,637,383	22,767	503,184	90,017	91,545	38,246	547	7,892
Defense Agencies, total	1,676,969	221,379	867,535	13,329	404,502	87,079	43,473	35,822	0	3,850
Ballistic Missile Defense Org	23,118	7,292	14,059	0	1,767	0	0	0	0	0
Chemical and Biological Defense [2]	89,658	66,793	10,604	0	9,299	2,962	0	0	0	0
Defense Adv Rsch Projects Agcy	1,186,590	89,123	604,346	11,240	363,858	56,742	42,257	15,174	0	3,850
Defense Logistics Agency	8,834	8,834	0	0	0	0	0	0	0	0
Defense Threat Reduction Agency	232,095	21,141	202,552	1,287	655	4,811	410	1,239	0	0
Special Operations Command	22,776	5,964	15,377	0	1,435	0	0	0	0	0
Washington Headquarters Svcs	113,898	22,232	20,597	802	27,488	22,564	806	19,409	0	0
Department of the Air Force	751,026	399,887	317,937	3,617	13,742	802	12,213	1,776	0	1,052
Department of the Army	661,622	406,433	211,204	33	28,767	774	13,402	138	547	324
Department of the Navy	567,406	237,743	240,707	5,788	56,173	1,362	22,457	510	0	2,666
Department of Education	183,921	6,993	9,873	0	127,952	0	38,943	0	160	0
Department of Energy	2,165,057	228,383	178,632	491,925	98,820	1,065,754	17,770	83,602	171	0

See explanatory information, if any, and SOURCE at end of table.

Table C-40. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	10,166,479	1,996,012	607,189	110,875	5,684,103	27,467	1,623,208	17,431	63,157	37,037
Admin for Children & Families	28,508	1,956	2,809	0	11,416	0	10,426	0	1,857	44
Agency for Healthcare Research and Quality [3]	287,870	60,452	77,725	0	100,755	0	48,938	0	0	0
Agency for Toxic Substances Disease & Registry [4]	16,124	3,010	0	0	5,744	0	3,916	0	3,454	0
Centers for Disease Control & Prevention	568,510	331,092	57,448	0	108,325	0	63,530	0	8,115	0
Food & Drug Administration	158,519	123,219	8,700	0	18,900	0	7,100	0	400	200
Health Care Financing Admin	55,311	23	31,845	0	8,785	0	10,432	0	3,843	383
Health Resources & Services Admin	19,665	2,737	0	0	9,268	0	7,660	0	0	0
National Institutes of Health [5]	9,014,672	1,472,139	427,970	110,875	5,414,509	27,467	1,463,075	17,431	44,796	36,410
Office of the Secretary, total	17,300	1,384	692	0	6,401	0	8,131	0	692	0
Office of the Asst Secretary, Planning & Evaluation	17,300	1,384	692	0	6,401	0	8,131	0	692	0
Dept of Housing & Urban Development	15,338	9,483	1,534	0	775	0	3,546	0	0	0
Department of the Interior, total	478,941	416,771	12,171	0	40,526	0	700	0	7,573	1,200
Bureau of Reclamation	6,300	5,298	0	0	397	0	290	0	315	0
Geological Survey	408,128	385,432	0	0	15,904	0	0	0	6,792	0
Minerals Management Service	29,433	8,677	9,571	0	9,925	0	60	0	0	1,200
National Park Service	35,080	17,364	2,600	0	14,300	0	350	0	466	0
Department of Justice, total	20,475	2,975	11,850	1,000	2,400	0	1,550	0	700	0
Bureau of Prisons	3,400	2,700	0	0	0	0	0	0	700	0
Office of Justice Programs	17,075	275	11,850	1,000	2,400	0	1,550	0	0	0
Department of Labor, total	38,337	31,143	5,107	0	1,186	0	901	0	0	0
Bureau of Labor Statistics	1,300	1,300	0	0	0	0	0	0	0	0
Employment & Training Admin	27,554	26,615	0	0	409	0	530	0	0	0
Occupational Safety & Hlth Admin	5,661	2,151	3,510	0	0	0	0	0	0	0
Office of the Secretary	225	25	200	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3,538	993	1,397	0	777	0	371	0	0	0
Pension Benefit Guaranty Corp	59	59	0	0	0	0	0	0	0	0
Department of State [6]	1,550	600	950	0	0	0	0	0	0	0
Department of Transportation, total	387,552	145,957	167,100	5,700	34,864	12,050	8,713	5,268	6,725	1,175
Coast Guard	5,661	3,638	2,023	0	0	0	0	0	0	0
Federal Aviation Administration	187,781	72,939	83,334	2,700	12,890	10,540	0	5,268	0	110
Federal Highway Administration	93,015	13,769	48,140	3,000	12,033	1,510	7,838	0	6,725	0
Federal Motor Carrier Safety Administration [7]	9,890	1,627	5,111	0	2,709	0	190	0	0	253
Federal Railroad Administration	26,678	12,162	12,876	0	1,328	0	0	0	0	312
National Highway Traffic Safety Administration	59,042	37,787	14,501	0	5,904	0	350	0	0	500
Research & Special Programs Admin	5,485	4,035	1,115	0	0	0	335	0	0	0
Department of the Treasury, total	67,260	56,218	11,042	0	0	0	0	0	0	0
Bureau of Engraving & Printing	3,192	3,192	0	0	0	0	0	0	0	0
Internal Revenue Service	61,748	51,682	10,066	0	0	0	0	0	0	0
Office of Thrift Supervision	219	219	0	0	0	0	0	0	0	0
United States Customs Service	1,000	300	700	0	0	0	0	0	0	0
United States Secret Service	1,101	825	276	0	0	0	0	0	0	0
Department of Veterans Affairs	195,333	195,333	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-40. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	750	10	300	0	390	0	50	0	0	0
Broadcasting Board of Governors[8]	100	100	0	0	0	0	0	0	0	0
Environmental Protection Agency[4]	344,565	225,071	13,825	0	64,718	0	31,821	0	8,592	538
Federal Communications Commission	1,348	1,348	0	0	0	0	0	0	0	0
Federal Trade Commission	1,484	1,484	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	200,913	25,000	15,000	0	30,000	0	130,913	0	0	0
Agcy for Internat'l Development[9]	200,913	25,000	15,000	0	30,000	0	130,913	0	0	0
Library of Congress	963	463	500	0	0	0	0	0	0	0
National Aeronautics & Space Administration[10]	1,872,925	446,199	1,062,194	0	201,250	41,834	109,248	2,530	2,805	6,865
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	218,004	626	49,322	0	159,926	2,442	4,920	0	606	162
Nuclear Regulatory Commission	55,000	16,102	2,967	13,120	2,150	7,915	460	10,423	0	1,863
Social Security Administration	80,400	19,100	43,800	0	0	5,200	0	0	12,300	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

7 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

8 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-41. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Field of science and engineering	2000	Preliminary	
		2001	2002
Total, all fields	18,900,701	21,131,300	21,927,617
Life sciences, total	7,915,730	9,166,362	9,666,706
Biological (excluding environmental)	3,888,908	NA	NA
Environmental biology	426,411	NA	NA
Agricultural	449,249	NA	NA
Medical	2,539,968	NA	NA
Life sciences, n.e.c.	611,194	NA	NA
Psychology, total	808,874	926,822	1,030,445
Biological aspects	2,252	NA	NA
Social aspects	41,964	NA	NA
Psychological sciences, n.e.c.	764,658	NA	NA
Physical sciences, total	1,317,334	1,310,739	1,309,253
Astronomy	86,279	NA	NA
Chemistry	459,792	NA	NA
Physics	640,974	NA	NA
Physical sciences, n.e.c.	130,289	NA	NA
Environmental sciences, total	1,490,349	1,602,141	1,588,587
Atmospheric	387,316	NA	NA
Geological	209,590	NA	NA
Oceanography	308,144	NA	NA
Environmental sciences, n.e.c.	585,299	NA	NA
Mathematics & computer sciences, total	1,407,336	1,535,149	1,690,342
Mathematics	124,311	NA	NA
Computer sciences	1,196,571	NA	NA
Mathematics & computer sciences, n.e.c.	86,454	NA	NA
Engineering, total	4,582,206	5,018,813	5,006,689
Aeronautical	1,141,127	NA	NA
Astronautical	426,286	NA	NA
Chemical	143,946	NA	NA
Civil	179,514	NA	NA
Electrical	567,742	NA	NA
Mechanical	195,931	NA	NA
Metallurgy & materials	400,265	NA	NA
Engineering, n.e.c.	1,527,395	NA	NA
Social sciences, total	742,303	874,446	915,973
Anthropology	1,854	NA	NA
Economics	197,717	NA	NA
Political science	17,522	NA	NA
Sociology	78,833	NA	NA
Social sciences, n.e.c.	446,377	NA	NA
Other sciences, n.e.c.	636,569	696,828	719,622

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	18,900,701	7,915,730	808,874	1,317,334	1,490,349	1,407,336	4,582,206	742,303	636,569
Departments:									
Department of Agriculture, total	803,519	600,311	259	36,586	5,523	10,223	34,999	113,355	2,263
Agricultural Marketing Service	4,294	4,294	0	0	0	0	0	0	0
Agricultural Research Service	327,330	300,717	0	21,800	1,441	426	2,946	0	0
Cooperative State Research, Education, & Extension Service	305,152	232,745	0	11,055	487	0	14,323	46,542	0
Economic Research Service	57,737	0	0	0	0	0	0	57,737	0
Food Safety Inspection Service	1,625	1,625	0	0	0	0	0	0	0
Foreign Agricultural Service	614	614	0	0	0	0	0	0	0
Forest Service	100,350	58,096	259	3,731	3,595	7,210	17,730	7,466	2,263
Grain Inspection Packers & Stockyards Administration	720	720	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,587	0	0	0	0	2,587	0	0	0
Rural Business-Cooperative Svc	3,110	1,500	0	0	0	0	0	1,610	0
Department of Commerce, total	849,554	160,897	0	84,222	304,326	76,171	153,252	22,554	48,132
Bureau of the Census	2,519	0	0	0	0	2,519	0	0	0
Economic Development Admin	576	0	0	0	0	0	0	576	0
Nat'l Inst of Standards & Tech	268,296	18,467	0	58,625	400	52,908	137,896	0	0
Nat'l Oceanic & Atmospheric Admin	574,133	142,430	0	25,597	303,926	20,744	11,326	21,978	48,132
National Telecommunications & Information Administration	4,030	0	0	0	0	0	4,030	0	0
Department of Defense, total	3,690,234	392,974	48,141	249,816	182,655	562,910	2,014,933	19,162	219,643
Defense Agencies, total	1,482,216	220,800	9,582	99,180	13,431	436,175	568,034	19,162	115,852
Ballistic Missile Defense Org	104,147	0	0	5,472	0	234	92,372	0	6,069
Chemical and Biological Defense[1]	83,401	81,366	0	2,035	0	0	0	0	0
Defense Adv Rsch Projects Agcy	902,343	110,724	0	6,189	8,815	385,710	386,436	0	4,469
Defense Info Systems Agcy	1,332	0	0	0	0	0	0	0	1,332
Defense Logistics Agency	8,084	0	8,084	0	0	0	0	0	0
Defense Threat Reduction Agency	259,970	8,957	0	72,012	518	32,111	42,664	0	103,708
Special Operations Command	19,494	783	0	0	0	0	18,437	0	274
Washington Headquarters Svcs	103,445	18,970	1,498	13,472	4,098	18,120	28,125	19,162	0
Department of the Air Force	843,102	24,667	29,104	110,075	12,788	44,856	617,903	0	3,709
Department of the Army	765,593	108,208	9,455	34,631	68,670	58,159	386,388	0	100,082
Department of the Navy	599,323	39,299	0	5,930	87,766	23,720	442,608	0	0
Department of Education	161,493	15,614	5,175	0	0	0	10,372	130,332	0
Department of Energy	1,925,018	83,158	0	448,208	63,062	602,298	716,388	0	11,904
Dept of Health & Human Svcs, total	7,857,672	5,998,026	685,199	285,852	184,036	70,613	180,216	201,484	252,246
Admin for Children & Families	27,343	0	0	0	0	0	0	27,343	0
Administration on Aging	2,829	0	0	0	0	0	0	2,829	0
Agency for Healthcare Research and Quality[2]	186,688	74,004	163	0	0	11,732	0	45,741	55,048
Agency for Toxic Substances Disease & Registry[3]	14,675	0	0	0	14,675	0	0	0	0
Centers for Disease Control & Prevention	505,022	505,022	0	0	0	0	0	0	0
Food & Drug Administration	144,238	144,238	0	0	0	0	0	0	0
Health Care Financing Admin	61,482	61,482	0	0	0	0	0	0	0
Health Resources & Services Admin	34,455	34,455	0	0	0	0	0	0	0
National Institutes of Health[4]	6,864,240	5,178,825	685,036	285,852	169,361	58,881	180,216	108,871	197,198
Office of the Secretary, total	16,700	0	0	0	0	0	0	16,700	0
Office of the Asst Secretary, Planning & Evaluation	16,700	0	0	0	0	0	0	16,700	0

See explanatory information, if any, and SOURCE at end of table.

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Development	15,468	0	0	0	60	21	1,305	13,032	1,050
Department of the Interior, total	496,642	122,543	18	18	337,721	4,809	11,114	20,341	78
Bureau of Reclamation	7,386	0	0	0	2,189	0	5,037	160	0
Geological Survey	425,821	116,867	0	0	304,042	3,178	867	867	0
Minerals Management Service	29,213	290	18	18	21,811	30	5,210	1,836	0
National Park Service	34,222	5,386	0	0	9,679	1,601	0	17,478	78
Department of Justice, total	27,835	0	500	0	0	500	0	16,535	10,300
Bureau of Prisons	3,433	0	500	0	0	500	0	2,433	0
Office of Justice Programs	24,402	0	0	0	0	0	0	14,102	10,300
Department of Labor, total	35,135	0	0	0	0	643	250	34,242	0
Bureau of Labor Statistics	1,300	0	0	0	0	0	0	1,300	0
Employment & Training Admin	24,985	0	0	0	0	464	250	24,271	0
Occupational Safety & Hlth Admin	5,790	0	0	0	0	0	0	5,790	0
Office of the Secretary	279	0	0	0	0	179	0	100	0
Pension & Welfare Benefits Admin	2,726	0	0	0	0	0	0	2,726	0
Pension Benefit Guaranty Corp	55	0	0	0	0	0	0	55	0
Department of State[5]	1,521	0	0	0	0	0	0	1,521	0
Department of Transportation, total	328,220	9,691	26,230	39,352	22,977	12,455	174,559	6,704	36,252
Coast Guard	4,999	0	859	0	600	1,100	2,440	0	0
Federal Aviation Administration	164,420	4,843	24,942	38,149	19,139	2,329	58,789	0	16,229
Federal Highway Administration	76,667	225	0	1,203	3,138	2,027	50,867	1,547	17,660
Federal Motor Carrier Safety Administration[6]	2,833	72	429	0	0	0	128	100	2,104
Federal Railroad Administration	24,211	0	0	0	0	125	24,086	0	0
National Highway Traffic Safety Administration	50,569	4,551	0	0	0	6,574	34,387	5,057	0
Research & Special Programs Admin	4,521	0	0	0	100	300	3,862	0	259
Department of the Treasury, total	51,156	0	961	2,643	0	0	0	47,552	0
Bureau of Engraving & Printing	2,643	0	0	2,643	0	0	0	0	0
Internal Revenue Service	47,424	0	0	0	0	0	0	47,424	0
Office of Thrift Supervision	128	0	0	0	0	0	0	128	0
United States Secret Service	961	0	961	0	0	0	0	0	0
Department of Veterans Affairs	185,399	129,026	40,522	0	0	0	15,851	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	625	0	0	0	0	0	0	625	0
Broadcasting Board of Governors[7]	84	0	0	0	0	0	84	0	0
Environmental Protection Agency[3]	352,068	139,350	0	9,860	110,690	9,499	45,146	3,612	33,911
Federal Communications Commission	2,789	0	0	175	0	78	382	2,154	0
Federal Trade Commission	674	0	0	0	0	0	0	674	0
Internat'l Development Cooperation Agency, total	189,153	117,505	0	0	4,237	0	0	66,841	570
Agcy for Internat'l Development[8]	189,153	117,505	0	0	4,237	0	0	66,841	570
Library of Congress	601	0	0	601	0	0	0	0	0
National Aeronautics & Space Admin[9]	1,658,538	133,096	1,848	139,725	273,353	40,124	1,063,679	0	6,713
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	185,500	13,539	21	20,156	1,709	16,992	106,676	12,900	13,507
Nuclear Regulatory Commission	53,000	0	0	0	0	0	53,000	0	0
Social Security Administration	28,683	0	0	0	0	0	0	28,683	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	21,131,300	9,166,362	926,822	1,310,739	1,602,141	1,535,149	5,018,813	874,446	696,828
Departments:									
Department of Agriculture, total	925,686	704,113	260	39,876	6,865	10,305	37,648	124,346	2,273
Agricultural Marketing Service	4,401	4,401	0	0	0	0	0	0	0
Agricultural Research Service	365,312	335,612	0	23,197	2,740	475	3,288	0	0
Cooperative State Research, Education, & Extension Service	387,672	302,033	0	12,932	514	0	16,550	55,643	0
Economic Research Service	59,304	0	0	0	0	0	0	59,304	0
Foreign Agricultural Service	614	614	0	0	0	0	0	0	0
Forest Service	100,800	58,357	260	3,747	3,611	7,243	17,810	7,499	2,273
Grain Inspection Packers & Stockyards Administration	1,096	1,096	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,587	0	0	0	0	2,587	0	0	0
Rural Business-Cooperative Svc	3,900	2,000	0	0	0	0	0	1,900	0
Department of Commerce, total	928,806	192,462	0	82,875	336,800	77,987	147,734	28,357	62,591
Bureau of the Census	71	0	0	0	0	71	0	0	0
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	251,648	17,321	0	54,987	375	49,625	129,340	0	0
Nat'l Oceanic & Atmospheric Admin	672,305	175,141	0	27,888	336,425	28,291	14,162	27,807	62,591
National Telecommunications & Information Administration	4,232	0	0	0	0	0	4,232	0	0
Department of Defense, total	3,807,184	458,049	46,911	177,397	188,807	590,404	2,167,440	46,279	131,897
Defense Agencies, total	1,398,143	231,262	10,644	18,500	12,253	447,552	592,126	22,500	63,306
Ballistic Missile Defense Org	58,762	0	0	759	0	0	57,010	0	993
Chemical and Biological Defense[1]	77,170	74,925	0	2,245	0	0	0	0	0
Defense Adv Rsch Projects Agcy	906,341	100,709	0	47	4,603	389,031	404,410	0	7,541
Defense Info Systems Agcy	1,196	0	0	0	0	0	0	0	1,196
Defense Logistics Agency	8,696	0	8,696	0	0	0	0	0	0
Defense Threat Reduction Agency	201,245	28,290	0	0	39	40,831	78,680	0	53,405
Special Operations Command	22,073	884	0	0	0	0	21,018	0	171
Washington Headquarters Svcs	122,660	26,454	1,948	15,449	7,611	17,690	31,008	22,500	0
Department of the Air Force	818,780	24,561	26,515	105,689	12,845	48,004	598,325	0	2,841
Department of the Army	909,547	157,107	9,752	46,403	62,991	67,627	476,138	23,779	65,750
Department of the Navy	680,714	45,119	0	6,805	100,718	27,221	500,851	0	0
Department of Education	178,693	18,082	5,993	0	0	0	12,011	142,607	0
Department of Energy	2,213,403	94,068	0	503,390	74,390	678,090	851,068	0	12,397
Dept of Health & Human Svcs, total	9,167,627	7,001,785	792,443	330,670	211,273	83,329	208,471	237,992	301,664
Admin for Children & Families	27,921	0	0	0	0	0	0	27,921	0
Administration on Aging	3,728	0	0	0	0	0	0	3,728	0
Agency for Healthcare Research and Quality[2]	253,608	101,443	0	0	0	15,216	0	63,402	73,547
Agency for Toxic Substances Disease & Registry[3]	15,358	0	0	0	15,358	0	0	0	0
Centers for Disease Control & Prevention	569,940	569,940	0	0	0	0	0	0	0
Food & Drug Administration	151,513	151,513	0	0	0	0	0	0	0
Health Care Financing Admin	138,311	138,311	0	0	0	0	0	0	0
Health Resources & Services Admin	49,760	49,760	0	0	0	0	0	0	0
National Institutes of Health[4]	7,940,488	5,990,818	792,443	330,670	195,915	68,113	208,471	125,941	228,117
Office of the Secretary, total	17,000	0	0	0	0	0	0	17,000	0
Office of the Asst Secretary, Planning & Evaluation	17,000	0	0	0	0	0	0	17,000	0

See explanatory information, if any, and SOURCE at end of table.

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Development	18,883	0	0	0	74	26	1,594	15,907	1,282
Department of the Interior, total	533,182	142,499	0	0	353,916	5,137	10,755	20,799	76
Bureau of Reclamation	7,616	0	0	0	2,416	0	5,005	195	0
Geological Survey	462,017	136,997	0	0	320,035	3,226	879	880	0
Minerals Management Service	29,393	127	0	0	21,800	316	4,871	2,279	0
National Park Service	34,156	5,375	0	0	9,665	1,595	0	17,445	76
Department of Justice, total	43,275	0	500	0	0	500	0	14,975	27,300
Bureau of Prisons	3,250	0	500	0	0	500	0	2,250	0
Office of Justice Programs	40,025	0	0	0	0	0	0	12,725	27,300
Department of Labor, total	36,879	0	0	0	0	689	250	35,940	0
Bureau of Labor Statistics	1,300	0	0	0	0	0	0	1,300	0
Employment & Training Admin	26,243	0	0	0	0	464	250	25,529	0
Occupational Safety & Hlth Admin	5,516	0	0	0	0	0	0	5,516	0
Office of the Secretary	225	0	0	0	0	225	0	0	0
Pension & Welfare Benefits Admin	3,538	0	0	0	0	0	0	3,538	0
Pension Benefit Guaranty Corp	57	0	0	0	0	0	0	57	0
Department of State[5]	1,550	0	0	0	0	0	0	1,550	0
Department of Transportation, total	383,759	12,705	27,089	47,286	31,600	13,006	208,750	7,925	35,398
Coast Guard	5,910	0	1,000	300	560	1,175	2,875	0	0
Federal Aviation Administration	200,096	6,420	24,872	45,590	26,543	2,634	75,402	0	18,635
Federal Highway Administration	78,198	250	0	1,396	3,138	2,574	58,940	1,560	10,340
Federal Motor Carrier Safety Administration[6]	8,035	204	1,217	0	0	0	363	284	5,967
Federal Railroad Administration	24,920	0	0	0	0	475	24,445	0	0
Federal Transit Administration	2,519	0	0	0	1,259	0	1,260	0	0
National Highway Traffic Safety Administration	58,313	5,831	0	0	0	5,848	40,553	6,081	0
Research & Special Programs Admin	5,768	0	0	0	100	300	4,912	0	456
Department of the Treasury, total	64,362	0	924	3,827	0	594	0	59,017	0
Bureau of Engraving & Printing	3,177	0	0	3,177	0	0	0	0	0
Internal Revenue Service	58,808	0	0	0	0	0	0	58,808	0
Office of Thrift Supervision	209	0	0	0	0	0	0	209	0
United States Customs Service	1,244	0	0	650	0	594	0	0	0
United States Secret Service	924	0	924	0	0	0	0	0	0
Department of Veterans Affairs	189,884	133,356	40,255	0	0	0	16,273	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	665	0	0	0	0	0	0	665	0
Broadcasting Board of Governors[7]	5	0	0	0	0	0	5	0	0
Environmental Protection Agency[3]	369,498	134,836	0	10,601	114,570	11,203	54,439	5,386	38,463
Federal Communications Commission	1,992	0	0	110	0	43	489	1,350	0
Federal Trade Commission	1,272	0	0	0	0	0	0	1,272	0
Internat'l Development Cooperation Agency, total	200,157	117,572	0	0	5,487	0	0	76,312	786
Agcy for Internat'l Development[8]	200,157	117,572	0	0	5,487	0	0	76,312	786
Library of Congress	1,691	0	0	416	0	1,275	0	0	0
National Aeronautics & Space Admin[9]	1,754,679	140,811	12,422	90,316	276,336	42,450	1,125,631	0	66,713
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	219,548	16,024	25	23,855	2,023	20,111	126,255	15,267	15,988
Nuclear Regulatory Commission	50,000	0	0	0	0	0	50,000	0	0
Social Security Administration	38,500	0	0	0	0	0	0	38,500	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	21,927,617	9,666,706	1,030,445	1,309,253	1,588,587	1,690,342	5,006,689	915,973	719,622
Departments:									
Department of Agriculture, total	806,899	600,023	275	37,861	6,987	10,745	35,361	113,252	2,395
Agricultural Marketing Service	4,401	4,401	0	0	0	0	0	0	0
Agricultural Research Service	362,724	333,235	0	23,033	2,720	472	3,264	0	0
Cooperative State Research, Education, & Extension Service	263,035	197,087	0	10,880	463	0	13,333	41,272	0
Economic Research Service	60,480	0	0	0	0	0	0	60,480	0
Foreign Agricultural Service	614	614	0	0	0	0	0	0	0
Forest Service	106,200	61,483	275	3,948	3,804	7,631	18,764	7,900	2,395
Grain Inspection Packers & Stockyards Administration	1,203	1,203	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,642	0	0	0	0	2,642	0	0	0
Rural Business-Cooperative Svc	5,600	2,000	0	0	0	0	0	3,600	0
Department of Commerce, total	966,880	188,969	0	82,867	384,324	76,547	145,558	27,767	60,848
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	247,606	17,043	0	54,104	369	48,828	127,262	0	0
Nat'l Oceanic & Atmospheric Admin	714,724	171,926	0	28,763	383,955	27,719	14,296	27,217	60,848
National Telecommunications & Information Administration	4,000	0	0	0	0	0	4,000	0	0
Department of Defense, total	3,657,023	406,148	40,322	161,156	128,729	699,457	2,010,441	26,782	183,988
Defense Agencies, total	1,676,969	271,739	10,396	23,559	9,253	584,751	674,092	26,782	76,397
Ballistic Missile Defense Org	23,118	0	0	925	0	900	21,293	0	0
Chemical and Biological Defense[1]	89,658	86,762	0	2,896	0	0	0	0	0
Defense Adv Rsch Projects Agcy	1,186,590	131,849	0	61	6,026	509,323	529,457	0	9,874
Defense Logistics Agency	8,834	0	8,834	0	0	0	0	0	0
Defense Threat Reduction Agency	232,095	31,202	0	0	0	56,014	78,547	0	66,332
Special Operations Command	22,776	939	0	0	0	0	21,646	0	191
Washington Headquarters Svcs	113,898	20,987	1,562	19,677	3,227	18,514	23,149	26,782	0
Department of the Air Force	751,026	25,598	20,026	93,172	10,667	41,855	555,580	0	4,128
Department of the Army	661,622	71,192	9,900	38,751	24,833	50,155	363,328	0	103,463
Department of the Navy	567,406	37,619	0	5,674	83,976	22,696	417,441	0	0
Department of Education	183,921	19,958	6,491	0	0	0	13,236	144,236	0
Department of Energy	2,165,057	44,909	0	485,377	56,388	711,931	857,352	0	9,100
Dept of Health & Human Svcs, total	10,166,479	7,718,402	899,644	375,403	238,543	94,600	236,673	260,755	342,459
Admin for Children & Families	28,508	0	0	0	0	0	0	28,508	0
Agency for Healthcare Research and Quality[2]	287,870	115,148	0	0	0	17,272	0	71,968	83,482
Agency for Toxic Substances Disease & Registry[3]	16,124	0	0	0	16,124	0	0	0	0
Centers for Disease Control & Prevention	568,510	568,510	0	0	0	0	0	0	0
Food & Drug Administration	158,519	158,519	0	0	0	0	0	0	0
Health Care Financing Admin	55,311	55,311	0	0	0	0	0	0	0
Health Resources & Services Admin	19,665	19,665	0	0	0	0	0	0	0
National Institutes of Health[4]	9,014,672	6,801,249	899,644	375,403	222,419	77,328	236,673	142,979	258,977
Office of the Secretary, total	17,300	0	0	0	0	0	0	17,300	0
Office of the Asst Secretary, Planning & Evaluation	17,300	0	0	0	0	0	0	17,300	0

See explanatory information, if any, and SOURCE at end of table.

Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Development	15,338	0	0	0	60	21	1,295	12,920	1,042
Department of the Interior, total	478,941	133,243	0	0	311,365	5,033	9,413	19,787	100
Bureau of Reclamation	6,300	0	0	0	2,049	0	4,095	156	0
Geological Survey	408,128	127,385	0	0	275,866	3,118	879	880	0
Minerals Management Service	29,433	128	0	0	22,245	320	4,439	2,301	0
National Park Service	35,080	5,730	0	0	11,205	1,595	0	16,450	100
Department of Justice, total	20,475	0	500	0	0	500	0	9,275	10,200
Bureau of Prisons	3,400	0	500	0	0	500	0	2,400	0
Office of Justice Programs	17,075	0	0	0	0	0	0	6,875	10,200
Department of Labor, total	38,337	0	0	0	0	689	250	37,398	0
Bureau of Labor Statistics	1,300	0	0	0	0	0	0	1,300	0
Employment & Training Admin	27,554	0	0	0	0	464	250	26,840	0
Occupational Safety & Hlth Admin	5,661	0	0	0	0	0	0	5,661	0
Office of the Secretary	225	0	0	0	0	225	0	0	0
Pension & Welfare Benefits Admin	3,538	0	0	0	0	0	0	3,538	0
Pension Benefit Guaranty Corp	59	0	0	0	0	0	0	59	0
Department of State[5]	1,550	0	0	0	0	0	0	1,550	0
Department of Transportation, total	387,552	12,108	27,417	40,428	35,449	14,580	194,706	9,423	53,441
Coast Guard	5,661	0	950	170	550	1,200	2,791	0	0
Federal Aviation Administration	187,781	6,121	24,969	38,438	28,368	2,084	65,465	0	22,336
Federal Highway Administration	93,015	422	0	1,820	6,431	2,821	54,956	3,170	23,395
Federal Motor Carrier Safety Administration[6]	9,890	251	1,498	0	0	0	447	349	7,345
Federal Railroad Administration	26,678	0	0	0	0	500	26,178	0	0
National Highway Traffic Safety Administration	59,042	5,314	0	0	0	7,675	40,149	5,904	0
Research & Special Programs Admin	5,485	0	0	0	100	300	4,720	0	365
Department of the Treasury, total	67,260	0	1,101	3,692	0	500	0	61,967	0
Bureau of Engraving & Printing	3,192	0	0	3,192	0	0	0	0	0
Internal Revenue Service	61,748	0	0	0	0	0	0	61,748	0
Office of Thrift Supervision	219	0	0	0	0	0	0	219	0
United States Customs Service	1,000	0	0	500	0	500	0	0	0
United States Secret Service	1,101	0	1,101	0	0	0	0	0	0
Department of Veterans Affairs	195,333	137,182	41,411	0	0	0	16,740	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	750	0	0	0	0	0	0	750	0
Broadcasting Board of Governors[7]	100	0	0	0	0	0	100	0	0
Environmental Protection Agency[3]	344,565	131,069	0	7,622	109,552	9,916	45,989	7,784	32,633
Federal Communications Commission	1,348	0	0	260	0	43	406	639	0
Federal Trade Commission	1,484	0	0	0	0	0	0	1,484	0
Internat'l Development Cooperation Agency, total	200,913	108,483	0	0	6,957	0	0	84,644	829
Agcy for Internat'l Development[8]	200,913	108,483	0	0	6,957	0	0	84,644	829
Library of Congress	963	0	0	463	0	500	0	0	0
National Aeronautics & Space Admin[9]	1,872,925	150,301	13,259	90,316	308,224	45,310	1,258,802	0	6,713
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	218,004	15,911	25	23,688	2,009	19,970	125,367	15,160	15,874
Nuclear Regulatory Commission	55,000	0	0	0	0	0	55,000	0	0
Social Security Administration	80,400	0	0	0	0	0	0	80,400	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	808,874	2,252	41,964	764,658	7,915,730	3,888,908	426,411	449,249	2,539,968	611,194
Departments:										
Department of Agriculture, total	259	0	259	0	600,311	80,201	164,222	344,639	11,249	0
Agricultural Marketing Service	0	0	0	0	4,294	0	0	4,294	0	0
Agricultural Research Service	0	0	0	0	300,717	21,178	40,818	233,386	5,335	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	232,745	46,296	79,448	103,167	3,834	0
Food Safety Inspection Service	0	0	0	0	1,625	1,625	0	0	0	0
Foreign Agricultural Service	0	0	0	0	614	0	0	614	0	0
Forest Service	259	0	259	0	58,096	11,102	43,956	958	2,080	0
Grain Inspection Packers & Stockyards Administration	0	0	0	0	720	0	0	720	0	0
Rural Business-Cooperative Svc	0	0	0	0	1,500	0	0	1,500	0	0
Department of Commerce, total	0	0	0	0	160,897	40,451	85,070	27,427	6,719	1,230
Nat'l Inst of Standards & Tech	0	0	0	0	18,467	16,195	0	1,266	703	303
Nat'l Oceanic & Atmospheric Admin	0	0	0	0	142,430	24,256	85,070	26,161	6,016	927
Department of Defense, total	48,141	1,761	11,362	35,018	392,974	114,408	13,996	749	142,811	121,010
Defense Agencies, total	9,582	749	8,833	0	220,800	102,465	5,561	749	29,876	82,149
Chemical and Biological Defense[1]	0	0	0	0	81,366	0	0	0	0	81,366
Defense Adv Rsch Projects Agcy	0	0	0	0	110,724	92,363	4,477	0	13,884	0
Defense Logistics Agency	8,084	0	8,084	0	0	0	0	0	0	0
Defense Threat Reduction Agency	0	0	0	0	8,957	0	1,084	0	7,873	0
Special Operations Command	0	0	0	0	783	0	0	0	0	783
Washington Headquarters Svcs	1,498	749	749	0	18,970	10,102	0	749	8,119	0
Department of the Air Force	29,104	1,012	2,529	25,563	24,667	5,166	8,435	0	0	11,066
Department of the Army	9,455	0	0	9,455	108,208	2,389	0	0	105,819	0
Department of the Navy	0	0	0	0	39,299	4,388	0	0	7,116	27,795
Department of Education	5,175	0	3,933	1,242	15,614	0	0	0	15,614	0
Department of Energy	0	0	0	0	83,158	2,325	6,970	0	73,293	570
Dept of Health & Human Svcs, total	685,199	0	143	685,056	5,998,026	3,489,354	0	0	2,077,274	431,398
Agency for Healthcare Research and Quality[2]	163	0	143	20	74,004	204	0	0	73,530	270
Centers for Disease Control & Prevention	0	0	0	0	505,022	0	0	0	505,022	0
Food & Drug Administration	0	0	0	0	144,238	144,238	0	0	0	0
Health Care Financing Admin	0	0	0	0	61,482	0	0	0	0	61,482
Health Resources & Services Admin	0	0	0	0	34,455	0	0	0	34,455	0
National Institutes of Health[3]	685,036	0	0	685,036	5,178,825	3,344,912	0	0	1,464,267	369,646
Department of the Interior, total	18	0	0	18	122,543	66,673	55,520	145	0	205
Geological Survey	0	0	0	0	116,867	61,696	55,026	145	0	0
Minerals Management Service	18	0	0	18	290	0	290	0	0	0
National Park Service	0	0	0	0	5,386	4,977	204	0	0	205
Department of Justice, total	500	0	300	200	0	0	0	0	0	0
Bureau of Prisons	500	0	300	200	0	0	0	0	0	0
Department of Transportation, total	26,230	75	25,801	354	9,691	0	200	25	4,843	4,623
Coast Guard	859	0	859	0	0	0	0	0	0	0
Federal Aviation Administration	24,942	0	24,942	0	4,843	0	0	0	4,843	0
Federal Highway Administration	0	0	0	0	225	0	200	25	0	0
Federal Motor Carrier Safety Administration[4]	429	75	0	354	72	0	0	0	0	72
National Highway Traffic Safety Administration	0	0	0	0	4,551	0	0	0	0	4,551
Department of the Treasury, total	961	0	0	961	0	0	0	0	0	0
United States Secret Service	961	0	0	961	0	0	0	0	0	0
Department of Veterans Affairs	40,522	0	0	40,522	129,026	0	0	0	129,026	0

See explanatory information, if any, and SOURCE at end of table.

Table C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Other agencies:										
Environmental Protection Agency[5]	0	0	0	0	139,350	49,587	85,251	86	163	4,263
Internat'l Development Cooperation Agency, total	0	0	0	0	117,505	0	0	75,678	0	41,827
Agcy for Internat'l Development[6]	0	0	0	0	117,505	0	0	75,678	0	41,827
National Aeronautics & Space Admin[7]	1,848	416	145	1,287	133,096	43,463	4,089	500	78,976	6,068
National Science Foundation	21	0	21	0	13,539	2,446	11,093	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

7 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,317,334	86,279	459,792	640,974	130,289	1,490,349	387,316	209,590	308,144	585,299
Departments:										
Department of Agriculture, total	36,586	0	34,560	2,026	0	5,523	4,642	881	0	0
Agricultural Research Service	21,800	0	20,785	1,015	0	1,441	1,408	33	0	0
Cooperative State Research, Education, & Extension Service	11,055	0	11,055	0	0	487	487	0	0	0
Forest Service	3,731	0	2,720	1,011	0	3,595	2,747	848	0	0
Department of Commerce, total	84,222	0	36,458	46,946	818	304,326	114,783	4,420	145,773	39,350
Nat'l Inst of Standards & Tech	58,625	0	22,444	35,363	818	400	0	400	0	0
Nat'l Oceanic & Atmospheric Admin	25,597	0	14,014	11,583	0	303,926	114,783	4,020	145,773	39,350
Department of Defense, total	249,816	0	30,849	197,986	20,981	182,655	17,063	3,668	78,595	83,329
Defense Agencies, total	99,180	0	4,549	92,202	2,429	13,431	749	0	7,433	5,249
Ballistic Missile Defense Org	5,472	0	2,535	2,937	0	0	0	0	0	0
Chemical and Biological Defense[1]	2,035	0	0	0	2,035	0	0	0	0	0
Defense Adv Rsch Projects Agcy	6,189	0	0	6,189	0	8,815	0	0	6,684	2,131
Defense Threat Reduction Agency	72,012	0	0	72,012	0	518	0	0	0	518
Washington Headquarters Svcs	13,472	0	2,014	11,064	394	4,098	749	0	749	2,600
Department of the Air Force	110,075	0	14,924	94,828	323	12,788	2,087	1,982	0	8,719
Department of the Army	34,631	0	11,376	10,956	12,299	68,670	7,704	1,686	0	59,280
Department of the Navy	5,930	0	0	0	5,930	87,766	6,523	0	71,162	10,081
Department of Energy	448,208	0	55,840	307,631	84,737	63,062	0	0	0	63,062
Dept of Health & Human Svcs, total	285,852	0	278,157	0	7,695	184,036	0	0	0	184,036
Agency for Toxic Substances Disease & Registry[2]	0	0	0	0	0	14,675	0	0	0	14,675
National Institutes of Health[3]	285,852	0	278,157	0	7,695	169,361	0	0	0	169,361
Dept of Housing & Urban Development	0	0	0	0	0	60	0	0	0	60
Department of the Interior, total	18	0	0	0	18	337,721	6,975	173,763	19,499	137,484
Bureau of Reclamation	0	0	0	0	0	2,189	0	0	0	2,189
Geological Survey	0	0	0	0	0	304,042	0	173,157	0	130,885
Minerals Management Service	18	0	0	0	18	21,811	1,120	382	19,319	990
National Park Service	0	0	0	0	0	9,679	5,855	224	180	3,420
Department of Transportation, total	39,352	0	0	38,639	713	22,977	21,084	0	600	1,293
Coast Guard	0	0	0	0	0	600	0	0	600	0
Federal Aviation Administration	38,149	0	0	38,149	0	19,139	19,139	0	0	0
Federal Highway Administration	1,203	0	0	490	713	3,138	1,945	0	0	1,193
Research & Special Programs Admin	0	0	0	0	0	100	0	0	0	100
Department of the Treasury, total	2,643	0	36	1	2,606	0	0	0	0	0
Bureau of Engraving & Printing	2,643	0	36	1	2,606	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chem-istry	Physics	Physical sciences, n.e.c.	Total	Atmos-pheric	Geo-logical	Ocean-ography	Environ-mental sciences, n.e.c.
Other agencies:										
Environmental Protection Agency[2]	9,860	0	9,285	575	0	110,690	34,083	8,034	12,788	55,785
Federal Communications Commission	175	0	0	175	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	0	0	0	0	0	4,237	0	0	0	4,237
Agcy for Internat'l Development[4]	0	0	0	0	0	4,237	0	0	0	4,237
Library of Congress	601	0	361	0	240	0	0	0	0	0
National Aeronautics & Space Admin[5]	139,725	83,604	5,879	42,290	7,952	273,353	188,478	18,502	50,402	15,971
National Archives & Records Admin	120	0	70	50	0	0	0	0	0	0
National Science Foundation	20,156	2,675	8,297	4,655	4,529	1,709	208	322	487	692

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-47. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metallurgy and materials	Engi-neering, n.e.c.
Total, all agencies	4,582,206	1,141,127	426,286	143,946	179,514	567,742	195,931	400,265	1,527,395
Departments:									
Department of Agriculture, total	34,999	0	0	2,592	3,095	306	2,080	0	26,926
Agricultural Research Service	2,946	0	0	1,473	458	262	327	0	426
Cooperative State Research, Education, & Extension Service	14,323	0	0	0	0	0	0	0	14,323
Forest Service	17,730	0	0	1,119	2,637	44	1,753	0	12,177
Department of Commerce, total	153,252	0	0	5,562	15,290	45,079	3,097	36,603	47,621
Nat'l Inst of Standards & Tech	137,896	0	0	5,562	15,290	34,820	3,097	36,603	42,524
Nat'l Oceanic & Atmospheric Admin	11,326	0	0	0	0	6,229	0	0	5,097
National Telecommunications & Information Administration	4,030	0	0	0	0	4,030	0	0	0
Department of Defense, total	2,014,933	489,679	57,528	24,026	63,001	469,205	143,888	231,160	536,446
Defense Agencies, total	568,034	60,272	4,130	8,333	1,176	142,675	7,020	98,976	245,452
Ballistic Missile Defense Org	92,372	11,602	0	0	0	16,954	1,000	3,871	58,945
Defense Adv Rsch Projects Agcy	386,436	47,310	4,130	3,855	58	86,086	0	95,105	149,892
Defense Threat Reduction Agency	42,664	0	0	0	0	26,450	0	0	16,214
Special Operations Command	18,437	0	0	0	0	0	0	0	18,437
Washington Headquarters Svcs	28,125	1,360	0	4,478	1,118	13,185	6,020	0	1,964
Department of the Air Force	617,903	352,892	46,828	3,778	10,500	73,978	33,313	64,248	32,366
Department of the Army	386,388	41,340	47	11,915	51,325	132,948	76,870	25,425	46,518
Department of the Navy	442,608	35,175	6,523	0	0	119,604	26,685	42,511	212,110
Department of Education	10,372	0	0	0	0	0	0	0	10,372
Department of Energy	716,388	500	0	89,557	41,812	27,697	739	59,534	496,549
Dept of Health & Human Svcs, total	180,216	0	0	0	0	0	0	24,398	155,818
National Institutes of Health[1]	180,216	0	0	0	0	0	0	24,398	155,818
Dept of Housing & Urban Development	1,305	0	0	0	0	0	0	0	1,305
Department of the Interior, total	11,114	0	0	3,404	6,177	584	0	640	309
Bureau of Reclamation	5,037	0	0	1,383	2,745	439	0	470	0
Geological Survey	867	0	0	0	722	145	0	0	0
Minerals Management Service	5,210	0	0	2,021	2,710	0	0	170	309
Department of Labor, total	250	0	0	0	0	0	0	0	250
Employment & Training Admin	250	0	0	0	0	0	0	0	250
Department of Transportation, total	174,559	3,820	0	0	26,599	1,345	37,948	37,360	67,487
Coast Guard	2,440	0	0	0	200	1,270	520	450	0
Federal Aviation Administration	58,789	3,820	0	0	2	0	18,898	36,069	0
Federal Highway Administration	50,867	0	0	0	25,867	0	258	0	24,742
Federal Motor Carrier Safety Administration[2]	128	0	0	0	0	0	0	0	128
Federal Railroad Administration	24,086	0	0	0	530	75	5,124	841	17,516
National Highway Traffic Safety Administration	34,387	0	0	0	0	0	13,148	0	21,239
Research & Special Programs Admin	3,862	0	0	0	0	0	0	0	3,862
Department of Veterans Affairs	15,851	0	0	0	0	0	0	0	15,851

See explanatory information, if any, and SOURCE at end of table.

Table C-47. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metallurgy and materials	Engi-neering, n.e.c.
Other agencies:									
Broadcasting Board of Governors[3]	84	0	0	0	0	0	0	0	84
Environmental Protection Agency[4]	45,146	0	0	9,755	16,039	469	469	729	17,685
Federal Communications Commission	382	0	0	0	0	382	0	0	0
National Aeronautics & Space Admin[5]	1,063,679	647,128	368,758	440	0	9,826	6,569	8,023	22,935
National Science Foundation	106,676	0	0	8,610	7,501	12,849	1,141	1,818	74,757
Nuclear Regulatory Commission	53,000	0	0	0	0	0	0	0	53,000

1 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

2 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

3 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	1,407,336	124,311	1,196,571	86,454	742,303	1,854	197,717	17,522	78,833	446,377
Departments:										
Department of Agriculture, total	10,223	10,223	0	0	113,355	168	100,955	0	12,232	0
Agricultural Research Service	426	426	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	46,542	0	34,961	0	11,581	0
Economic Research Service	0	0	0	0	57,737	0	57,737	0	0	0
Forest Service	7,210	7,210	0	0	7,466	168	6,647	0	651	0
Nat'l Agricultural Statistics Svc	2,587	2,587	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc	0	0	0	0	1,610	0	1,610	0	0	0
Department of Commerce, total	76,171	14,777	54,914	6,480	22,554	0	5,982	9,242	7,330	0
Bureau of the Census	2,519	0	0	2,519	0	0	0	0	0	0
Economic Development Admin	0	0	0	0	576	0	576	0	0	0
Nat'l Inst of Standards & Tech	52,908	4,468	44,479	3,961	0	0	0	0	0	0
Nat'l Oceanic & Atmospheric Admin	20,744	10,309	10,435	0	21,978	0	5,406	9,242	7,330	0
Department of Defense, total	562,910	33,075	492,202	37,633	19,162	0	3,091	1,965	0	14,106
Defense Agencies, total	436,175	15,054	388,417	32,704	19,162	0	3,091	1,965	0	14,106
Ballistic Missile Defense Org	234	0	234	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	385,710	12,807	350,503	22,400	0	0	0	0	0	0
Defense Threat Reduction Agency	32,111	0	23,195	8,916	0	0	0	0	0	0
Washington Headquarters Svcs	18,120	2,247	14,485	1,388	19,162	0	3,091	1,965	0	14,106
Department of the Air Force	44,856	11,451	30,551	2,854	0	0	0	0	0	0
Department of the Army	58,159	6,570	49,514	2,075	0	0	0	0	0	0
Department of the Navy	23,720	0	23,720	0	0	0	0	0	0	0
Department of Education	0	0	0	0	130,332	956	1,553	0	936	126,887
Department of Energy	602,298	0	600,998	1,300	0	0	0	0	0	0
Dept of Health & Human Svcs, total	70,613	59,143	11,470	0	201,484	30	37,149	0	672	163,633
Admin for Children & Families	0	0	0	0	27,343	0	0	0	0	27,343
Administration on Aging	0	0	0	0	2,829	0	0	0	0	2,829
Agency for Healthcare Research and Quality[1]	11,732	262	11,470	0	45,741	30	37,149	0	672	7,890
National Institutes of Health[2]	58,881	58,881	0	0	108,871	0	0	0	0	108,871
Office of the Secretary, total	0	0	0	0	16,700	0	0	0	0	16,700
Office of the Asst Secretary, Planning & Evaluation	0	0	0	0	16,700	0	0	0	0	16,700

See explanatory information, if any, and SOURCE at end of table.

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Dept of Housing & Urban Development	21	0	0	21	13,032	0	10,801	169	859	1,203
Department of the Interior, total	4,809	684	4,065	60	20,341	53	745	0	1,643	17,900
Bureau of Reclamation	0	0	0	0	160	0	80	0	0	80
Geological Survey	3,178	650	2,528	0	867	0	0	0	506	361
Minerals Management Service	30	0	0	30	1,836	53	646	0	1,137	0
National Park Service	1,601	34	1,537	30	17,478	0	19	0	0	17,459
Department of Justice, total	500	0	0	500	16,535	0	100	0	12,102	4,333
Bureau of Prisons	500	0	0	500	2,433	0	100	0	1,200	1,133
Office of Justice Programs	0	0	0	0	14,102	0	0	0	10,902	3,200
Department of Labor, total	643	0	179	464	34,242	0	14,660	100	0	19,482
Bureau of Labor Statistics	0	0	0	0	1,300	0	1,300	0	0	0
Employment & Training Admin	464	0	0	464	24,271	0	4,789	0	0	19,482
Occupational Safety & Hlth Admin	0	0	0	0	5,790	0	5,790	0	0	0
Office of the Secretary	179	0	179	0	100	0	0	100	0	0
Pension & Welfare Benefits Admin	0	0	0	0	2,726	0	2,726	0	0	0
Pension Benefit Guaranty Corp	0	0	0	0	55	0	55	0	0	0
Department of State[3]	0	0	0	0	1,521	0	243	259	106	913
Department of Transportation, total	12,455	0	4,976	7,479	6,704	0	100	900	0	5,704
Coast Guard	1,100	0	1,100	0	0	0	0	0	0	0
Federal Aviation Administration	2,329	0	2,329	0	0	0	0	0	0	0
Federal Highway Administration	2,027	0	1,422	605	1,547	0	0	900	0	647
Federal Motor Carrier Safety Administration[4]	0	0	0	0	100	0	100	0	0	0
Federal Railroad Administration	125	0	125	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	6,574	0	0	6,574	5,057	0	0	0	0	5,057
Research & Special Programs Admin	300	0	0	300	0	0	0	0	0	0
Department of the Treasury, total	0	0	0	0	47,552	0	2,499	0	0	45,053
Internal Revenue Service	0	0	0	0	47,424	0	2,371	0	0	45,053
Office of Thrift Supervision	0	0	0	0	128	0	128	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Other agencies:										
Appalachian Regional Commission	0	0	0	0	625	0	325	0	0	300
Environmental Protection Agency[5]	9,499	4,459	4,769	271	3,612	0	1,828	0	0	1,784
Federal Communications Commission	78	0	78	0	2,154	0	2,154	0	0	0
Federal Trade Commission	0	0	0	0	674	0	674	0	0	0
Internat'l Development Cooperation Agency, total	0	0	0	0	66,841	0	10,917	4,356	41,839	9,729
Agcy for Internat'l Development[6]	0	0	0	0	66,841	0	10,917	4,356	41,839	9,729
National Aeronautics & Space Admin[7]	40,124	1,865	6,013	32,246	0	0	0	0	0	0
National Science Foundation	16,992	85	16,907	0	12,900	647	3,941	531	1,114	6,667
Social Security Administration	0	0	0	0	28,683	0	0	0	0	28,683

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

4 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

7 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-49. Federal obligations for development, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	34,392,688	7,700,212	22,934,397	400,604	799,250	1,279,923	496,777	535,385	61,486	184,654
Departments:										
Department of Agriculture, total	135,382	128,166	0	0	6,458	0	469	0	36	253
Agricultural Marketing Service	774	774	0	0	0	0	0	0	0	0
Agricultural Research Service	79,621	74,373	0	0	4,490	0	469	0	36	253
Animal & Plant Hlth Inspection Svc	20,570	18,602	0	0	1,968	0	0	0	0	0
Food Safety Inspection Service	297	297	0	0	0	0	0	0	0	0
Forest Service	31,220	31,220	0	0	0	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration	2,900	2,900	0	0	0	0	0	0	0	0
Department of Commerce, total	140,715	47,036	77,168	0	4,579	0	7,712	0	4,220	0
Bureau of the Census	8,715	8,715	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	95,611	15,831	77,168	0	345	0	2,267	0	0	0
Nat'l Oceanic & Atmospheric Admin	18,668	18,668	0	0	0	0	0	0	0	0
National Telecommunications & Information Administration	17,721	3,822	0	0	4,234	0	5,445	0	4,220	0
Department of Defense, total	28,246,672	6,338,401	20,467,847	95,582	493,372	193,958	139,650	344,538	6,074	167,250
Defense Agencies, total	5,291,475	1,254,042	3,430,147	65,496	212,599	119,546	53,920	55,051	532	100,142
Ballistic Missile Defense Org	2,958,503	564,044	2,127,874	51,484	55,646	49,020	2,081	16,469	0	91,885
Chemical and Biological Defense [2]	262,469	118,580	123,657	0	13,873	5,797	472	90	0	0
Defense Adv Rsch Projects Agcy	846,756	98,766	568,638	4,019	96,664	37,622	26,500	14,189	0	358
Defense Info Systems Agcy	112,967	53,199	44,739	0	0	322	7,072	7,635	0	0
Defense Logistics Agency	101,129	70,673	24,928	0	4,668	0	420	440	0	0
Defense Threat Reduction Agency	146,215	54,518	67,867	2,568	6,642	12,558	563	1,042	0	457
Joint Staff	51,967	51,967	0	0	0	0	0	0	0	0
Special Operations Command	199,541	75,643	123,898	0	0	0	0	0	0	0
Washington Headquarters Svcs	611,928	166,652	348,546	7,425	35,106	14,227	16,812	15,186	532	7,442
Department of the Air Force	9,958,482	675,606	9,063,791	22,864	5,194	11,022	4,441	161,159	5,542	8,863
Department of the Army	4,352,794	1,318,655	2,825,629	2,876	79,427	33,807	29,073	26,946	0	36,381
Department of the Navy	8,353,978	2,980,844	4,994,639	3,771	191,519	29,583	52,216	79,542	0	21,864
Operational Test & Evaluation, Director	32,915	11,429	3,076	575	1,107	0	0	16,728	0	0
Test & Evaluation, Deputy Under Secretary of Defense	257,028	97,825	150,565	0	3,526	0	0	5,112	0	0
Department of Defense, total advanced technology	4,192,897	1,133,024	2,495,285	16,047	259,772	78,376	104,884	78,390	5,826	21,293
Defense Agencies, total	2,019,405	449,593	1,226,397	14,026	161,653	71,961	43,419	43,215	284	8,857
Ballistic Missile Defense Organization	344,476	63,613	249,550	38	8,456	7,203	1,739	13,277	0	600
Chemical and Biological Defense [2]	56,599	27,957	16,038	0	11,280	852	472	0	0	0
Defense Advanced Research Projects Agency	763,740	69,327	515,076	4,019	96,656	37,622	26,493	14,189	0	358
Defense Logistics Agency	50,347	29,430	16,249	0	4,668	0	0	0	0	0
Defense Threat Reduction Agency	146,215	54,518	67,867	2,568	6,642	12,558	563	1,042	0	457
Joint Staff	31,546	31,546	0	0	0	0	0	0	0	0
Special Operations Command	83,807	31,770	52,037	0	0	0	0	0	0	0
Washington Headquarters Services	542,675	141,432	309,580	7,401	33,951	13,726	14,152	14,707	284	7,442
Department of the Air Force	624,043	187,644	396,885	50	4,929	1,353	1,825	25,715	5,542	100
Department of the Army [3]	829,396	323,497	433,009	1,659	36,182	1,976	19,378	1,605	0	12,090
Department of the Navy	720,053	172,290	438,994	312	57,008	3,086	40,262	7,855	0	246

See explanatory information, if any, and SOURCE at end of table.

Table C-49. Federal obligations for development, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of Defense, total major systems	24,053,775	5,205,377	17,972,562	79,535	233,600	115,582	34,766	266,148	248	145,957
Defense Agencies, total	3,272,070	804,449	2,203,750	51,470	50,946	47,585	10,501	11,836	248	91,285
Ballistic Missile Defense Organization	2,614,027	500,431	1,878,324	51,446	47,190	41,817	342	3,192	0	91,285
Chemical and Biological Defense [2]	205,870	90,623	107,619	0	2,593	4,945	0	90	0	0
Defense Advanced Research Projects Agency	83,016	29,439	53,562	0	8	0	7	0	0	0
Defense Information Systems Agency	112,967	53,199	44,739	0	0	322	7,072	7,635	0	0
Defense Logistics Agency	50,782	41,243	8,679	0	0	0	420	440	0	0
Joint Staff	20,421	20,421	0	0	0	0	0	0	0	0
Special Operations Command	115,734	43,873	71,861	0	0	0	0	0	0	0
Washington Headquarters Services	69,253	25,220	38,966	24	1,155	501	2,660	479	248	0
Department of the Air Force	9,334,439	487,962	8,666,906	22,814	265	9,669	2,616	135,444	0	8,763
Department of the Army	3,523,398	995,158	2,392,620	1,217	43,245	31,831	9,695	25,341	0	24,291
Department of the Navy	7,633,925	2,808,554	4,555,645	3,459	134,511	26,497	11,954	71,687	0	21,618
Operational Test & Evaluation, Director	32,915	11,429	3,076	575	1,107	0	0	16,728	0	0
Test & Evaluation, Deputy Under Secretary of Defense	257,028	97,825	150,565	0	3,526	0	0	5,112	0	0
Department of Education	83,757	3,514	8,414	0	40,087	0	31,702	0	40	0
Department of Energy	1,962,209	282,807	726,228	305,022	49,458	381,324	26,390	189,030	947	1,003
Dept of Health & Human Svcs, total	512,839	12,329	370,543	0	40,896	0	59,201	0	29,870	0
Agency for Healthcare Research and Quality [4]	11,926	11,926	0	0	0	0	0	0	0	0
Office of the Secretary, total	3,085	402	0	0	2,683	0	0	0	0	0
Office of Public Hlth & Science	3,085	402	0	0	2,683	0	0	0	0	0
Substance Abuse & Mental Health Services Administration [5]	497,828	1	370,543	0	38,213	0	59,201	0	29,870	0
Dept of Housing & Urban Development	30,092	9,933	11,315	0	569	0	8,275	0	0	0
Department of the Interior, total	31,447	27,829	2,213	0	1,367	0	0	0	38	0
Bureau of Reclamation	2,462	1,602	0	0	860	0	0	0	0	0
Geological Survey	28,985	26,227	2,213	0	507	0	0	0	38	0
Department of Justice, total	30,922	10,813	700	0	1,975	0	2,245	1,390	13,799	0
Bureau of Prisons	4,320	500	0	0	0	0	0	0	3,820	0
Federal Bureau of Investigation	9,953	9,953	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	550	250	300	0	0	0	0	0	0	0
Office of Justice Programs	16,099	110	400	0	1,975	0	2,245	1,390	9,979	0
Department of Labor, total	37,536	17,330	1,405	0	8,046	0	10,755	0	0	0
Employment & Training Admin	35,878	17,077	0	0	8,046	0	10,755	0	0	0
Office of the Secretary	1,000	25	975	0	0	0	0	0	0	0
Pension Benefit Guaranty Corp	658	228	430	0	0	0	0	0	0	0
Department of Transportation, total	122,970	36,273	73,390	0	8,864	0	1,381	59	2,939	64
Coast Guard	14,998	9,107	5,867	0	10	0	0	0	0	14
Federal Aviation Administration	54,629	7,481	47,148	0	0	0	0	0	0	0
Federal Highway Administration	33,884	11,781	17,822	0	800	0	823	59	2,599	0
Federal Motor Carrier Safety Administration [6]	1,092	38	51	0	445	0	558	0	0	0
Federal Railroad Administration	3,115	50	1,963	0	1,052	0	0	0	0	50
Federal Transit Administration	8,888	2,475	0	0	6,413	0	0	0	0	0
Office of the Secretary	4,034	4,034	0	0	0	0	0	0	0	0
Research & Special Programs Admin	2,330	1,307	539	0	144	0	0	0	340	0

See explanatory information, if any, and SOURCE at end of table.

Table C-49. Federal obligations for development, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of the Treasury, total	10,266	2,972	7,274	0	20	0	0	0	0	0
Bureau of Engraving & Printing	194	194	0	0	0	0	0	0	0	0
Internal Revenue Service	7,012	1,747	5,265	0	0	0	0	0	0	0
United States Customs Service	1,800	900	900	0	0	0	0	0	0	0
United States Mint	1,260	131	1,109	0	20	0	0	0	0	0
Department of Veterans Affairs	7,024	7,024	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency [7]	91,500	58,217	3,852	0	18,026	0	8,865	0	2,392	148
Internat'l Development Cooperation Agency, total	29,546	2,455	150	0	1,500	0	25,441	0	0	0
Agcy for Internat'l Development [8]	29,546	2,455	150	0	1,500	0	25,441	0	0	0
Library of Congress	1,886	1,628	258	0	0	0	0	0	0	0
National Aeronautics & Space Administration [9]	2,917,925	713,485	1,183,640	0	124,033	704,641	174,691	368	1,131	15,936

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes the funds are shown in the advanced technology total for the Department of the Army.

4 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

5 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTES: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-50. Preliminary Federal obligations for development, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	37,062,088	8,286,358	24,868,836	558,715	841,493	1,327,377	562,397	459,092	72,446	85,374
Departments:										
Department of Agriculture, total	147,410	138,180	0	0	8,472	0	469	0	36	253
Agricultural Marketing Service	763	763	0	0	0	0	0	0	0	0
Agricultural Research Service	88,859	82,629	0	0	5,472	0	469	0	36	253
Animal & Plant Hlth Inspection Svc	22,041	19,041	0	0	3,000	0	0	0	0	0
Forest Service	31,360	31,360	0	0	0	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration	4,387	4,387	0	0	0	0	0	0	0	0
Department of Commerce, total	135,716	44,729	46,162	0	12,264	0	20,234	0	12,327	0
Bureau of the Census	188	188	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	65,073	16,593	46,162	0	787	0	1,531	0	0	0
Nat'l Oceanic & Atmospheric Admin	24,308	24,308	0	0	0	0	0	0	0	0
National Telecommunications & Information Administration	46,147	3,640	0	0	11,477	0	18,703	0	12,327	0
Department of Defense, total	30,610,694	6,874,741	22,302,372	167,459	491,947	211,507	168,269	322,311	3,643	68,445
Defense Agencies, total	6,757,048	1,473,246	4,762,986	63,833	208,661	117,628	56,302	54,014	282	20,096
Ballistic Missile Defense Org	4,145,885	713,095	3,275,794	40,241	48,836	49,386	2,574	11,110	0	4,849
Chemical and Biological Defense [2]	257,112	113,263	118,287	0	21,675	3,862	0	25	0	0
Defense Adv Rsch Projects Agcy	844,296	96,550	567,213	4,046	97,301	37,873	26,670	14,284	0	359
Defense Info Systems Agcy	175,621	51,875	102,522	0	780	0	6,599	13,845	0	0
Defense Logistics Agency	106,899	51,956	46,773	0	5,920	0	1,650	600	0	0
Defense Threat Reduction Agency	140,243	48,146	68,771	2,037	4,531	12,678	279	3,490	0	311
Joint Staff	92,406	92,406	0	0	0	0	0	0	0	0
Special Operations Command	223,183	81,307	141,876	0	0	0	0	0	0	0
TRICARE Management Activity [3]	64,092	1,292	62,800	0	0	0	0	0	0	0
Washington Headquarters Svcs	707,311	223,356	378,950	17,509	29,618	13,829	18,530	10,660	282	14,577
Department of the Air Force	9,673,036	732,156	8,687,754	25,546	5,886	40,174	16,879	156,773	3,361	4,507
Department of the Army	5,338,489	1,494,219	3,577,705	69,452	85,398	38,690	26,722	20,917	0	25,386
Department of the Navy	8,630,940	3,099,083	5,165,778	6,009	190,976	15,015	68,366	67,257	0	18,456
Operational Test & Evaluation, Director	189,338	69,265	93,147	2,618	958	0	0	23,350	0	0
Test & Evaluation, Deputy Under Secretary of Defense	21,843	6,772	15,002	1	68	0	0	0	0	0
Department of Defense, total advanced technology	4,273,364	1,171,764	2,554,185	33,928	264,538	72,946	106,584	49,665	3,361	16,393
Defense Agencies, total	1,976,630	446,405	1,197,725	22,857	156,003	68,638	45,120	34,160	0	5,722
Ballistic Missile Defense Organization	266,819	46,685	199,706	80	9,487	2,878	1,706	5,730	0	547
Chemical and Biological Defense [2]	48,142	26,063	9,476	0	10,940	1,663	0	0	0	0
Defense Advanced Research Projects Agency	768,836	69,790	518,513	4,046	97,301	37,873	26,670	14,284	0	359
Defense Logistics Agency	63,594	32,154	24,520	0	5,920	0	1,000	0	0	0
Defense Threat Reduction Agency	140,243	48,146	68,771	2,037	4,531	12,678	279	3,490	0	311
Joint Staff	50,698	50,698	0	0	0	0	0	0	0	0
Special Operations Command	93,737	33,872	59,865	0	0	0	0	0	0	0
Washington Headquarters Services	544,561	138,997	316,874	16,694	27,824	13,546	15,465	10,656	0	4,505
Department of the Air Force	594,530	169,362	396,036	8,599	5,343	510	2,297	8,962	3,361	60
Department of the Army [4]	905,861	356,845	473,652	2,297	39,277	828	20,132	2,553	0	10,277
Department of the Navy	796,343	199,152	486,772	175	63,915	2,970	39,035	3,990	0	334

See explanatory information, if any, and SOURCE at end of table.

Table C-50. Preliminary Federal obligations for development, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of Defense, total major systems	26,337,330	5,702,977	19,748,187	133,531	227,409	138,561	61,685	272,646	282	52,052
Defense Agencies, total	4,780,418	1,026,841	3,565,261	40,976	52,658	48,990	11,182	19,854	282	14,374
Ballistic Missile Defense Organization	3,879,066	666,410	3,076,088	40,161	39,349	46,508	868	5,380	0	4,302
Chemical and Biological Defense [2]	208,970	87,200	108,811	0	10,735	2,199	0	25	0	0
Defense Advanced Research Projects Agency	75,460	26,760	48,700	0	0	0	0	0	0	0
Defense Information Systems Agency	175,621	51,875	102,522	0	780	0	6,599	13,845	0	0
Defense Logistics Agency	43,305	19,802	22,253	0	0	0	650	600	0	0
Joint Staff	41,708	41,708	0	0	0	0	0	0	0	0
Special Operations Command	129,446	47,435	82,011	0	0	0	0	0	0	0
TRICARE Management Activity [3]	64,092	1,292	62,800	0	0	0	0	0	0	0
Washington Headquarters Services	162,750	84,359	62,076	815	1,794	283	3,065	4	282	10,072
Department of the Air Force	9,078,506	562,794	8,291,718	16,947	543	39,664	14,582	147,811	0	4,447
Department of the Army	4,432,628	1,137,374	3,104,053	67,155	46,121	37,862	6,590	18,364	0	15,109
Department of the Navy	7,834,597	2,899,931	4,679,006	5,834	127,061	12,045	29,331	63,267	0	18,122
Operational Test & Evaluation, Director	189,338	69,265	93,147	2,618	958	0	0	23,350	0	0
Test & Evaluation, Deputy Under Secretary of Defense	21,843	6,772	15,002	1	68	0	0	0	0	0
Department of Education	92,022	3,726	8,357	0	47,140	0	32,759	0	40	0
Department of Energy	2,129,550	306,140	864,408	391,256	49,908	357,062	24,125	134,701	950	1,000
Dept of Health & Human Svcs, total	653,999	16,599	469,628	0	53,538	0	76,156	0	38,078	0
Agency for Healthcare Research and Quality [5]	16,188	16,188	0	0	0	0	0	0	0	0
Office of the Secretary, total	3,177	410	0	0	2,767	0	0	0	0	0
Office of Public Hlth & Science	3,177	410	0	0	2,767	0	0	0	0	0
Substance Abuse & Mental Health Services Administration [6]	634,634	1	469,628	0	50,771	0	76,156	0	38,078	0
Dept of Housing & Urban Development	35,039	11,566	13,175	0	662	0	9,636	0	0	0
Department of the Interior, total	34,109	32,534	0	0	1,524	0	0	0	51	0
Bureau of Reclamation	2,538	1,650	0	0	888	0	0	0	0	0
Geological Survey	31,571	30,884	0	0	636	0	0	0	51	0
Department of Justice, total	35,923	10,128	800	0	7,000	0	8,250	0	9,745	0
Bureau of Prisons	4,435	500	0	0	0	0	0	0	3,935	0
Federal Bureau of Investigation	9,193	9,193	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	575	325	250	0	0	0	0	0	0	0
Office of Justice Programs	21,720	110	550	0	7,000	0	8,250	0	5,810	0
Department of Labor, total	39,261	18,760	1,298	0	8,448	0	10,755	0	0	0
Employment & Training Admin	37,671	18,468	0	0	8,448	0	10,755	0	0	0
Office of the Secretary	925	25	900	0	0	0	0	0	0	0
Pension Benefit Guaranty Corp	665	267	398	0	0	0	0	0	0	0
Department of Transportation, total	195,376	44,985	125,471	0	14,702	0	6,371	0	3,847	0
Coast Guard	17,732	11,195	6,525	0	12	0	0	0	0	0
Federal Aviation Administration	96,582	8,921	87,661	0	0	0	0	0	0	0
Federal Highway Administration	43,856	7,232	25,049	0	4,385	0	3,543	0	3,647	0
Federal Motor Carrier Safety Administration [7]	3,443	82	163	0	1,420	0	1,778	0	0	0
Federal Railroad Administration	5,549	938	3,726	0	885	0	0	0	0	0
Federal Transit Administration	10,075	2,075	0	0	8,000	0	0	0	0	0
Office of the Secretary	12,922	12,922	0	0	0	0	0	0	0	0
Research & Special Programs Admin	5,217	1,620	2,347	0	0	0	1,050	0	200	0

See explanatory information, if any, and SOURCE at end of table.

Table C-50. Preliminary Federal obligations for development, by agency and performer: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of the Treasury, total	9,985	3,187	6,778	0	20	0	0	0	0	0
Bureau of Engraving & Printing	265	265	0	0	0	0	0	0	0	0
Internal Revenue Service	6,824	2,102	4,722	0	0	0	0	0	0	0
United States Customs Service	2,006	700	1,306	0	0	0	0	0	0	0
United States Mint	890	120	750	0	20	0	0	0	0	0
Department of Veterans Affairs	7,020	7,020	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency[8]	99,880	62,335	4,344	0	20,335	0	9,998	0	2,699	169
Internat'l Development Cooperation Agency, total	26,093	2,500	150	0	1,500	0	21,943	0	0	0
Agcy for Internat'l Development[9]	26,093	2,500	150	0	1,500	0	21,943	0	0	0
Library of Congress	1,081	886	195	0	0	0	0	0	0	0
National Aeronautics & Space Administration[10]	2,808,930	708,342	1,025,698	0	124,033	758,808	173,432	2,080	1,030	15,507

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes the funds are shown in the advanced technology total for the Department of the Army.

5 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

6 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

7 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

8 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTES: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-51. Preliminary Federal obligations for development, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	35,318,543	7,584,183	24,108,012	508,064	703,449	1,273,493	504,835	463,750	65,973	106,784
Departments:										
Department of Agriculture, total	150,235	141,987	0	0	7,490	0	469	0	36	253
Agricultural Marketing Service	763	763	0	0	0	0	0	0	0	0
Agricultural Research Service	88,230	82,982	0	0	4,490	0	469	0	36	253
Animal & Plant Hlth Inspection Svc	23,389	20,389	0	0	3,000	0	0	0	0	0
Forest Service	33,040	33,040	0	0	0	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration	4,813	4,813	0	0	0	0	0	0	0	0
Department of Commerce, total	91,323	41,469	34,478	0	4,906	0	6,873	0	3,597	0
Nat'l Inst of Standards & Tech	47,012	9,564	34,478	0	1,556	0	1,414	0	0	0
Nat'l Oceanic & Atmospheric Admin	28,808	28,808	0	0	0	0	0	0	0	0
National Telecommunications & Information Administration	15,503	3,097	0	0	3,350	0	5,459	0	3,597	0
Department of Defense, total	29,215,036	6,210,067	21,684,244	183,680	381,530	179,159	132,739	358,388	2,308	82,921
Defense Agencies, total	5,741,877	1,235,864	3,985,837	26,285	205,572	126,418	58,897	53,855	127	49,022
Ballistic Missile Defense Org	2,969,258	508,141	2,346,747	1,204	30,428	38,646	2,389	9,663	0	32,040
Chemical and Biological Defense [2]	272,936	121,576	121,798	0	19,717	7,339	0	2,506	0	0
Defense Adv Rsch Projects Agcy	1,037,776	117,759	697,297	4,991	120,038	46,723	32,902	17,622	0	444
Defense Info Systems Agcy	216,417	64,035	131,664	0	985	300	8,382	11,051	0	0
Defense Logistics Agency	43,026	22,734	15,300	0	3,792	0	600	600	0	0
Defense Threat Reduction Agency	129,758	36,240	87,726	1,917	646	2,573	63	593	0	0
Joint Staff	59,962	59,962	0	0	0	0	0	0	0	0
Special Operations Command	230,399	71,805	158,594	0	0	0	0	0	0	0
TRICARE Management Activity [3]	63,680	1,394	62,286	0	0	0	0	0	0	0
Washington Headquarters Svcs	718,665	232,218	364,425	18,173	29,966	30,837	14,561	11,820	127	16,538
Department of the Air Force	9,141,140	565,281	8,253,280	97,027	5,556	12,451	10,826	194,409	2,045	265
Department of the Army	5,393,715	1,340,417	3,897,585	54,945	22,602	23,831	11,951	25,303	136	16,945
Department of the Navy	8,737,266	2,997,440	5,443,248	2,780	147,073	16,459	51,065	62,512	0	16,689
Operational Test & Evaluation, Director	201,038	71,065	104,294	2,643	727	0	0	22,309	0	0
Department of Defense, total advanced technology	3,968,064	943,424	2,530,619	34,920	214,600	86,771	94,009	52,370	2,181	9,170
Defense Agencies, total	2,098,680	433,340	1,305,062	24,638	161,262	83,082	47,231	36,958	0	7,107
Ballistic Missile Defense Organization	219,482	24,697	183,194	100	1,019	1,171	2,334	6,927	0	40
Chemical and Biological Defense [2]	49,511	30,637	9,477	0	7,532	1,865	0	0	0	0
Defense Advanced Research Projects Agency	948,495	86,098	639,677	4,991	120,038	46,723	32,902	17,622	0	444
Defense Logistics Agency	37,917	22,634	11,491	0	3,792	0	0	0	0	0
Defense Threat Reduction Agency	129,758	36,240	87,726	1,917	646	2,573	63	593	0	0
Joint Staff	59,962	59,962	0	0	0	0	0	0	0	0
Special Operations Command	99,710	33,123	66,587	0	0	0	0	0	0	0
Washington Headquarters Services	553,845	139,949	306,910	17,630	28,235	30,750	11,932	11,816	0	6,623
Department of the Air Force	651,592	150,670	474,084	8,820	5,406	405	505	9,657	2,045	0
Department of the Army [4]	628,783	221,096	396,051	1,182	3,612	815	2,251	1,798	136	1,842
Department of the Navy	589,009	138,318	355,422	280	44,320	2,469	44,022	3,957	0	221

See explanatory information, if any, and SOURCE at end of table.

Table C-51. Preliminary Federal obligations for development, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of Defense, total major systems	25,246,972	5,266,643	19,153,625	148,760	166,930	92,388	38,730	306,018	127	73,751
Defense Agencies, total	3,643,197	802,524	2,680,775	1,647	44,310	43,336	11,666	16,897	127	41,915
Ballistic Missile Defense Organization	2,749,776	483,444	2,163,553	1,104	29,409	37,475	55	2,736	0	32,000
Chemical and Biological Defense [2]	223,425	90,939	112,321	0	12,185	5,474	0	2,506	0	0
Defense Advanced Research Projects Agency	89,281	31,661	57,620	0	0	0	0	0	0	0
Defense Information Systems Agency	216,417	64,035	131,664	0	985	300	8,382	11,051	0	0
Defense Logistics Agency	5,109	100	3,809	0	0	0	600	600	0	0
Special Operations Command	130,689	38,682	92,007	0	0	0	0	0	0	0
TRICARE Management Activity [3]	63,680	1,394	62,286	0	0	0	0	0	0	0
Washington Headquarters Services	164,820	92,269	57,515	543	1,731	87	2,629	4	127	9,915
Department of the Air Force	8,489,548	414,611	7,779,196	88,207	150	12,046	10,321	184,752	0	265
Department of the Army	4,764,932	1,119,321	3,501,534	53,763	18,990	23,016	9,700	23,505	0	15,103
Department of the Navy	8,148,257	2,859,122	5,087,826	2,500	102,753	13,990	7,043	58,555	0	16,468
Operational Test & Evaluation, Director	201,038	71,065	104,294	2,643	727	0	0	22,309	0	0
Department of Education	82,370	3,532	8,499	0	44,246	0	26,053	0	40	0
Department of Energy	1,817,531	236,170	786,963	324,384	38,554	308,034	17,233	104,293	900	1,000
Dept of Health & Human Svcs, total	680,413	18,802	487,462	0	55,577	0	79,048	0	39,524	0
Agency for Healthcare Research and Quality [5]	18,375	18,375	0	0	0	0	0	0	0	0
Office of the Secretary, total	3,304	426	0	0	2,878	0	0	0	0	0
Office of Public Hlth & Science	3,304	426	0	0	2,878	0	0	0	0	0
Substance Abuse & Mental Health Services Administration [6]	658,734	1	487,462	0	52,699	0	79,048	0	39,524	0
Dept of Housing & Urban Development	28,766	9,496	10,816	0	544	0	7,910	0	0	0
Department of the Interior, total	31,728	30,518	0	0	1,169	0	0	0	41	0
Bureau of Reclamation	2,100	1,365	0	0	735	0	0	0	0	0
Geological Survey	29,628	29,153	0	0	434	0	0	0	41	0
Department of Justice, total	37,257	14,104	850	0	6,000	0	7,550	0	8,753	0
Bureau of Prisons	4,553	500	0	0	0	0	0	0	4,053	0
Federal Bureau of Investigation	13,194	13,194	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	600	300	300	0	0	0	0	0	0	0
Office of Justice Programs	18,910	110	550	0	6,000	0	7,550	0	4,700	0
Department of Labor, total	41,271	21,000	1,299	0	8,075	0	10,897	0	0	0
Employment & Training Admin	39,671	20,699	0	0	8,075	0	10,897	0	0	0
Office of the Secretary	925	25	900	0	0	0	0	0	0	0
Pension Benefit Guaranty Corp	675	276	399	0	0	0	0	0	0	0
Department of Transportation, total	164,203	51,894	88,495	0	11,181	0	5,343	0	7,290	0
Coast Guard	16,983	10,714	6,259	0	10	0	0	0	0	0
Federal Aviation Administration	71,450	9,043	62,407	0	0	0	0	0	0	0
Federal Highway Administration	51,661	18,987	15,933	0	7,307	0	2,344	0	7,090	0
Federal Motor Carrier Safety Administration [7]	4,238	337	189	0	1,648	0	2,064	0	0	0
Federal Railroad Administration	3,200	821	2,163	0	216	0	0	0	0	0
Federal Transit Administration	7,120	5,120	0	0	2,000	0	0	0	0	0
Office of the Secretary	5,193	5,193	0	0	0	0	0	0	0	0
Research & Special Programs Admin	4,358	1,679	1,544	0	0	0	935	0	200	0

See explanatory information, if any, and SOURCE at end of table.

Table C-51. Preliminary Federal obligations for development, by agency and performer: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of the Treasury, total	11,967	3,298	8,659	0	10	0	0	0	0	0
Bureau of Engraving & Printing	278	278	0	0	0	0	0	0	0	0
Internal Revenue Service	7,169	2,210	4,959	0	0	0	0	0	0	0
United States Customs Service	3,900	700	3,200	0	0	0	0	0	0	0
United States Mint	620	110	500	0	10	0	0	0	0	0
Department of Veterans Affairs	7,214	7,214	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency[8]	92,900	58,494	3,981	0	18,634	0	9,162	0	2,474	155
Internat'l Development Cooperation Agency, total	26,308	2,500	150	0	1,500	0	22,158	0	0	0
Agcy for Internat'l Development[9]	26,308	2,500	150	0	1,500	0	22,158	0	0	0
Library of Congress	1,596	921	675	0	0	0	0	0	0	0
National Aeronautics & Space Administration[10]	2,838,425	732,717	991,441	0	124,033	786,300	179,400	1,069	1,010	22,455

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

3 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

4 The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes the funds are shown in the advanced technology total for the Department of the Army.

5 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

6 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

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9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTES: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-52. Federal funds for R&D plant, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	Obligations			Outlays		
	2000	Preliminary		2000	Preliminary	
		2001	2002		2001	2002
Total, all agencies	4,492,847	4,554,109	4,292,993	4,269,665	4,482,892	4,479,500
Departments:						
Department of Agriculture, total	86,635	99,651	105,562	108,389	122,307	116,362
Agricultural Research Service	74,635	84,651	90,562	96,389	107,307	101,362
Forest Service	12,000	15,000	15,000	12,000	15,000	15,000
Department of Commerce, total	200,517	60,741	20,893	20,714	73,679	67,637
National Institute of Standards & Technology	200,517	60,741	20,893	20,714	73,679	67,637
Department of Defense, total	48,153	123,674	89,100	39,952	60,189	156,814
Defense Agencies, total	5,114	6,672	68,873	2,800	4,627	67,000
Ballistic Missile Defense Organization	2,800	4,627	67,000	2,800	4,627	67,000
Washington Headquarters Services	2,314	2,045	1,873	0	0	0
Department of the Air Force	5,497	6,164	4,594	2,357	10,006	13,138
Department of the Army, total	53	0	0	1,684	362	85
Department of the Army, Military Functions	53	0	0	1,684	362	85
Department of the Navy	37,489	110,838	15,633	33,111	45,194	76,591
Department of Energy	810,754	962,837	972,836	806,667	941,765	978,810
Department of Health & Human Services, total	219,588	237,410	414,220	219,664	237,410	414,220
Food & Drug Administration	2,483	5,000	7,000	2,559	5,000	7,000
Health Resources & Services Administration	613	620	620	613	620	620
National Institutes of Health	216,492	231,790	406,600	216,492	231,790	406,600
Department of the Interior, total	1,329	1,370	1,300	1,356	1,363	1,318
Minerals Management Service	1,329	1,370	1,300	1,356	1,363	1,318
Department of Transportation, total	11,875	15,004	17,328	12,878	13,269	15,625
Coast Guard	266	272	278	266	272	278
Federal Aviation Administration	11,494	12,609	15,725	12,612	12,443	14,367
Federal Railroad Administration	115	2,123	1,325	0	554	980
Department of the Treasury, total	80	100	100	80	100	100
United States Customs Service	80	100	100	80	100	100
Department of Veterans Affairs	348	352	352	348	352	352
Other agencies:						
Environmental Protection Agency	21,000	34,000	21,000	20,000	30,000	30,000
General Services Administration	0	0	46	117	458	262
National Aeronautics & Space Administration[1]	2,873,000	2,752,000	2,437,000	2,867,000	2,744,000	2,467,000
National Science Foundation	216,568	262,970	209,256	170,000	255,000	228,000
Smithsonian Institution	3,000	4,000	4,000	2,500	3,000	3,000

[1] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-53. Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	4,492,847	573,262	2,814,621	27,567	213,530	613,840	55,549	193,452	883	143
Departments:										
Department of Agriculture, total	86,635	86,635	0	0	0	0	0	0	0	0
Agricultural Research Service	74,635	74,635	0	0	0	0	0	0	0	0
Forest Service	12,000	12,000	0	0	0	0	0	0	0	0
Department of Commerce, total	200,517	189,695	0	0	10,175	0	0	0	647	0
Nat'l Inst of Standards & Tech	200,517	189,695	0	0	10,175	0	0	0	647	0
Department of Defense, total	48,153	39,906	7,337	138	285	125	64	90	65	143
Defense Agencies, total	5,114	1,417	2,930	138	285	125	64	90	65	0
Ballistic Missile Defense Org	2,800	0	2,800	0	0	0	0	0	0	0
Washington Headquarters Svcs	2,314	1,417	130	138	285	125	64	90	65	0
Department of the Air Force	5,497	1,000	4,357	0	0	0	0	0	0	140
Department of the Army	53	0	50	0	0	0	0	0	0	3
Department of the Navy	37,489	37,489	0	0	0	0	0	0	0	0
Department of Energy	810,754	50	35,509	27,429	7,728	555,576	0	184,462	0	0
Dept of Health & Human Svcs, total	219,588	135,619	0	0	75,041	0	8,757	0	171	0
Food & Drug Administration	2,483	2,483	0	0	0	0	0	0	0	0
Health Resources & Services Admin	613	613	0	0	0	0	0	0	0	0
National Institutes of Health	216,492	132,523	0	0	75,041	0	8,757	0	171	0
Department of the Interior, total	1,329	269	1,060	0	0	0	0	0	0	0
Minerals Management Service	1,329	269	1,060	0	0	0	0	0	0	0
Department of Transportation, total	11,875	0	11,609	0	266	0	0	0	0	0
Coast Guard	266	0	0	0	266	0	0	0	0	0
Federal Aviation Administration	11,494	0	11,494	0	0	0	0	0	0	0
Federal Railroad Administration	115	0	115	0	0	0	0	0	0	0
Department of the Treasury, total	80	0	80	0	0	0	0	0	0	0
United States Customs Service	80	0	80	0	0	0	0	0	0	0
Department of Veterans Affairs	348	348	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	21,000	21,000	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin [2]	2,873,000	78,842	2,746,329	0	0	29,130	9,799	8,900	0	0
National Science Foundation	216,568	17,898	12,697	0	120,035	29,009	36,929	0	0	0
Smithsonian Institution	3,000	3,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-54. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	4,554,109	530,507	2,732,966	47,661	252,592	574,313	64,051	351,665	199	155
Departments:										
Department of Agriculture, total	99,651	99,651	0	0	0	0	0	0	0	0
Agricultural Research Service	84,651	84,651	0	0	0	0	0	0	0	0
Forest Service	15,000	15,000	0	0	0	0	0	0	0	0
Department of Commerce, total	60,741	46,772	0	0	13,969	0	0	0	0	0
Nat'l Inst of Standards & Tech	60,741	46,772	0	0	13,969	0	0	0	0	0
Department of Defense, total	123,674	99,537	23,164	118	585	0	35	64	16	155
Defense Agencies, total	6,672	885	4,969	118	585	0	35	64	16	0
Ballistic Missile Defense Org	4,627	0	4,627	0	0	0	0	0	0	0
Washington Headquarters Svcs	2,045	885	342	118	585	0	35	64	16	0
Department of the Air Force	6,164	414	5,595	0	0	0	0	0	0	155
Department of the Navy	110,838	98,238	12,600	0	0	0	0	0	0	0
Department of Energy	962,837	1,234	39,303	47,543	11,668	520,088	0	343,001	0	0
Dept of Health & Human Svcs, total	237,410	147,507	0	0	80,344	0	9,376	0	183	0
Food & Drug Administration	5,000	5,000	0	0	0	0	0	0	0	0
Health Resources & Services Admin	620	620	0	0	0	0	0	0	0	0
National Institutes of Health	231,790	141,887	0	0	80,344	0	9,376	0	183	0
Department of the Interior, total	1,370	200	1,170	0	0	0	0	0	0	0
Minerals Management Service	1,370	200	1,170	0	0	0	0	0	0	0
Department of Transportation, total	15,004	0	14,732	0	272	0	0	0	0	0
Coast Guard	272	0	0	0	272	0	0	0	0	0
Federal Aviation Administration	12,609	0	12,609	0	0	0	0	0	0	0
Federal Railroad Administration	2,123	0	2,123	0	0	0	0	0	0	0
Department of the Treasury, total	100	0	100	0	0	0	0	0	0	0
United States Customs Service	100	0	100	0	0	0	0	0	0	0
Department of Veterans Affairs	352	352	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	34,000	34,000	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin [2]	2,752,000	75,521	2,639,080	0	0	19,000	9,799	8,600	0	0
National Science Foundation	262,970	21,733	15,417	0	145,754	35,225	44,841	0	0	0
Smithsonian Institution	4,000	4,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-55. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	4,292,993	507,320	2,475,298	62,775	265,649	535,124	62,065	384,146	461	155
Departments:										
Department of Agriculture, total	105,562	105,562	0	0	0	0	0	0	0	0
Agricultural Research Service	90,562	90,562	0	0	0	0	0	0	0	0
Forest Service	15,000	15,000	0	0	0	0	0	0	0	0
Department of Commerce, total	20,893	20,893	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	20,893	20,893	0	0	0	0	0	0	0	0
Department of Defense, total	89,100	14,574	73,512	187	162	116	137	117	140	155
Defense Agencies, total	68,873	804	67,210	187	162	116	137	117	140	0
Ballistic Missile Defense Org	67,000	0	67,000	0	0	0	0	0	0	0
Washington Headquarters Svcs	1,873	804	210	187	162	116	137	117	140	0
Department of the Air Force	4,594	277	4,162	0	0	0	0	0	0	155
Department of the Navy	15,633	13,493	2,140	0	0	0	0	0	0	0
Department of Energy	972,836	51	36,244	62,588	8,246	491,478	0	374,229	0	0
Dept of Health & Human Svcs, total	414,220	256,517	0	0	140,936	0	16,446	0	321	0
Food & Drug Administration	7,000	7,000	0	0	0	0	0	0	0	0
Health Resources & Services Admin	620	620	0	0	0	0	0	0	0	0
National Institutes of Health	406,600	248,897	0	0	140,936	0	16,446	0	321	0
Department of the Interior, total	1,300	200	1,100	0	0	0	0	0	0	0
Minerals Management Service	1,300	200	1,100	0	0	0	0	0	0	0
Department of Transportation, total	17,328	0	17,050	0	278	0	0	0	0	0
Coast Guard	278	0	0	0	278	0	0	0	0	0
Federal Aviation Administration	15,725	0	15,725	0	0	0	0	0	0	0
Federal Railroad Administration	1,325	0	1,325	0	0	0	0	0	0	0
Department of the Treasury, total	100	0	100	0	0	0	0	0	0	0
United States Customs Service	100	0	100	0	0	0	0	0	0	0
Department of Veterans Affairs	352	352	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	21,000	21,000	0	0	0	0	0	0	0	0
General Services Administration	46	0	0	0	45	0	1	0	0	0
National Aeronautics & Space Admin [2]	2,437,000	66,877	2,335,024	0	0	15,500	9,799	9,800	0	0
National Science Foundation	209,256	17,294	12,268	0	115,982	28,030	35,682	0	0	0
Smithsonian Institution	4,000	4,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-56. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Field of science and engineering	2000	Preliminary	
		2001	2002
Total, all fields	15,588,828	18,257,539	19,032,426
Life sciences, total	9,357,175	11,294,274	11,805,757
Biological (excluding environmental)	6,162,879	NA	NA
Environmental biology	233,778	NA	NA
Agricultural	218,958	NA	NA
Medical	2,194,375	NA	NA
Life sciences, n.e.c.	547,185	NA	NA
Psychology, total	898,333	1,042,214	1,166,602
Biological aspects	6,623	NA	NA
Social aspects	14,873	NA	NA
Psychological sciences, n.e.c.	876,837	NA	NA
Physical sciences, total	1,561,163	1,712,038	1,742,452
Astronomy	228,334	NA	NA
Chemistry	622,461	NA	NA
Physics	575,746	NA	NA
Physical sciences, n.e.c.	134,622	NA	NA
Environmental sciences, total	910,361	983,131	1,005,771
Atmospheric	186,733	NA	NA
Geological	136,327	NA	NA
Oceanography	233,993	NA	NA
Environmental sciences, n.e.c.	353,308	NA	NA
Mathematics & computer sciences, total	792,873	885,340	948,213
Mathematics	211,490	NA	NA
Computer sciences	568,127	NA	NA
Mathematics & computer sciences, n.e.c.	13,256	NA	NA
Engineering, total	1,283,447	1,449,905	1,426,811
Aeronautical	69,915	NA	NA
Astronautical	43,765	NA	NA
Chemical	80,232	NA	NA
Civil	50,770	NA	NA
Electrical	181,805	NA	NA
Mechanical	72,344	NA	NA
Metallurgy & materials	280,503	NA	NA
Engineering, n.e.c.	504,113	NA	NA
Social sciences, total	321,422	369,092	375,997
Anthropology	11,637	NA	NA
Economics	66,005	NA	NA
Political science	5,541	NA	NA
Sociology	19,735	NA	NA
Social sciences, n.e.c.	218,504	NA	NA
Other sciences, n.e.c.	464,054	521,545	560,823

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

NOTE: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal years 2000, 2001, and 2002.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-57. Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	15,588,828	9,357,175	898,333	1,561,163	910,361	792,873	1,283,447	321,422	464,054
Departments:									
Department of Agriculture, total	547,146	442,459	0	20,687	1,946	278	18,547	63,041	188
Agricultural Marketing Service	406	406	0	0	0	0	0	0	0
Agricultural Research Service	45,395	41,706	0	3,023	200	59	407	0	0
Cooperative State Research, Education, & Extension Service	479,270	385,341	0	17,461	1,043	0	17,857	57,568	0
Economic Research Service	3,670	0	0	0	0	0	0	3,670	0
Foreign Agricultural Service	614	614	0	0	0	0	0	0	0
Forest Service	17,552	14,392	0	203	703	50	283	1,733	188
Nat'l Agricultural Statistics Svc	169	0	0	0	0	169	0	0	0
Rural Business-Cooperative Svc	70	0	0	0	0	0	0	70	0
Department of Defense, total	1,112,752	216,900	16,194	107,810	89,900	248,607	425,521	667	7,153
Defense Agencies, total	666,472	150,242	14,194	43,446	14,668	197,164	240,584	667	5,507
Ballistic Missile Defense Org	11,125	0	0	1,609	0	0	9,516	0	0
Chemical and Biological Defense[1]	23,778	23,778	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	312,818	35,226	0	7,533	0	167,191	97,361	0	5,507
Defense Threat Reduction Agency	847	0	0	66	518	50	213	0	0
Special Operations Command	2,014	338	0	0	0	0	1,676	0	0
TRICARE Management Activity[2]	59,401	59,401	0	0	0	0	0	0	0
Washington Headquarters Svcs	256,489	31,499	14,194	34,238	14,150	29,923	131,818	667	0
Department of the Air Force	107,230	7,968	741	25,624	962	19,628	50,661	0	1,646
Department of the Army	116,776	33,424	1,259	14,351	10,010	16,596	41,136	0	0
Department of the Navy	222,274	25,266	0	24,389	64,260	15,219	93,140	0	0
Department of Energy	618,540	95,793	0	363,907	81,238	8,959	68,643	0	0
Dept of Health & Human Svcs, total	10,324,194	8,139,831	872,744	364,164	220,970	75,782	229,588	162,956	258,159
Admin for Children & Families	10,951	0	0	0	0	0	0	10,951	0
Agency for Healthcare Research and Quality[3]	65,915	51,012	30	0	0	769	0	7,170	6,934
Agency for Toxic Substances Disease & Registry[4]	5,210	0	0	0	5,210	0	0	0	0
Centers for Disease Control & Prevention	108,325	108,325	0	0	0	0	0	0	0
Food & Drug Administration	17,287	17,287	0	0	0	0	0	0	0
Health Care Financing Admin	10,005	10,005	0	0	0	0	0	0	0
Health Resources & Services Admin	13,706	13,706	0	0	0	0	0	0	0
National Institutes of Health[5]	10,086,658	7,939,496	872,714	364,164	215,760	75,013	229,588	138,698	251,225
Office of the Secretary, total	6,137	0	0	0	0	0	0	6,137	0
Office of the Asst Secretary, Planning & Evaluation	6,137	0	0	0	0	0	0	6,137	0

See explanatory information, if any, and SOURCE at end of table.

Table C-57. Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
National Aeronautics & Space Admin[6]	721,038	57,247	4,370	257,903	184,137	22,963	120,552	977	72,889
National Science Foundation	2,265,158	404,945	5,025	446,692	332,170	436,284	420,596	93,781	125,665

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-58. Preliminary Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	18,257,539	11,294,274	1,042,214	1,712,038	983,131	885,340	1,449,905	369,092	521,545
Departments:									
Department of Agriculture, total	669,128	546,822	0	23,557	2,163	157	21,299	74,942	188
Agricultural Research Service	55,325	50,827	0	3,513	415	72	498	0	0
Cooperative State Research, Education, & Extension Service	591,272	480,989	0	19,841	1,045	0	20,518	68,879	0
Economic Research Service	4,000	0	0	0	0	0	0	4,000	0
Foreign Agricultural Service	614	614	0	0	0	0	0	0	0
Forest Service	17,552	14,392	0	203	703	50	283	1,733	188
Nat'l Agricultural Statistics Svc	35	0	0	0	0	35	0	0	0
Rural Business-Cooperative Svc	330	0	0	0	0	0	0	330	0
Department of Defense, total	1,726,958	696,401	19,894	131,190	98,393	270,022	502,180	900	7,978
Defense Agencies, total	1,230,586	614,323	17,489	53,109	15,884	220,518	302,610	900	5,753
Ballistic Missile Defense Org	3,807	0	0	416	0	0	3,391	0	0
Chemical and Biological Defense[1]	16,457	16,317	0	140	0	0	0	0	0
Defense Adv Rsch Projects Agcy	353,501	46,183	0	6,017	0	175,045	120,511	0	5,745
Defense Threat Reduction Agency	493	0	0	0	0	335	150	0	8
Special Operations Command	1,394	104	0	0	0	0	1,290	0	0
TRICARE Management Activity[2]	513,625	513,625	0	0	0	0	0	0	0
Washington Headquarters Svcs	341,309	38,094	17,489	46,536	15,884	45,138	177,268	900	0
Department of the Air Force	106,040	7,763	850	31,604	750	17,503	45,345	0	2,225
Department of the Army	147,152	46,817	1,555	19,979	12,084	15,439	51,278	0	0
Department of the Navy	243,180	27,498	0	26,498	69,675	16,562	102,947	0	0
Department of Energy	661,837	107,199	0	383,844	76,938	22,685	71,043	0	128
Dept of Health & Human Svcs, total	11,974,094	9,439,854	1,012,418	422,462	255,770	87,908	266,341	188,137	301,204
Admin for Children & Families	11,181	0	0	0	0	0	0	11,181	0
Agency for Healthcare Research and Quality[3]	88,763	68,348	0	0	0	887	0	9,764	9,764
Agency for Toxic Substances Disease & Registry[4]	5,471	0	0	0	5,471	0	0	0	0
Centers for Disease Control & Prevention	108,325	108,325	0	0	0	0	0	0	0
Food & Drug Administration	18,100	18,100	0	0	0	0	0	0	0
Health Care Financing Admin	22,065	22,065	0	0	0	0	0	0	0
Health Resources & Services Admin	17,940	17,940	0	0	0	0	0	0	0
National Institutes of Health[5]	11,695,959	9,205,076	1,012,418	422,462	250,299	87,021	266,341	160,902	291,440
Office of the Secretary, total	6,290	0	0	0	0	0	0	6,290	0
Office of the Asst Secretary, Planning & Evaluation	6,290	0	0	0	0	0	0	6,290	0

See explanatory information, if any, and SOURCE at end of table.

Table C-58. Preliminary Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
National Aeronautics & Space Admin[6]	721,038	57,247	4,370	257,903	184,137	22,963	120,552	977	72,889
National Science Foundation	2,504,484	446,751	5,532	493,082	365,730	481,605	468,490	104,136	139,158

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2001.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-59. Preliminary Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	19,032,426	11,805,757	1,166,602	1,742,452	1,005,771	948,213	1,426,811	375,997	560,823
Departments:									
Department of Agriculture, total	493,388	394,069	0	20,688	2,083	144	17,437	58,779	188
Agricultural Research Service	45,395	41,705	0	2,883	340	59	408	0	0
Cooperative State Research, Education, & Extension Service	423,792	337,358	0	17,602	1,040	0	16,746	51,046	0
Economic Research Service	4,000	0	0	0	0	0	0	4,000	0
Foreign Agricultural Service	614	614	0	0	0	0	0	0	0
Forest Service	17,552	14,392	0	203	703	50	283	1,733	188
Nat'l Agricultural Statistics Svc	35	0	0	0	0	35	0	0	0
Rural Business-Cooperative Svc	2,000	0	0	0	0	0	0	2,000	0
Department of Defense, total	1,233,774	208,513	13,108	129,123	92,751	320,964	459,665	1,440	8,210
Defense Agencies, total	792,051	147,177	10,712	49,262	19,081	270,123	288,146	1,440	6,110
Ballistic Missile Defense Org	1,767	0	0	549	0	900	318	0	0
Chemical and Biological Defense[1]	21,119	18,160	0	2,959	0	0	0	0	0
Defense Adv Rsch Projects Agcy	444,226	58,769	0	6,398	0	227,041	145,908	0	6,110
Defense Threat Reduction Agency	655	0	0	0	0	505	150	0	0
Special Operations Command	1,435	130	0	0	0	0	1,305	0	0
TRICARE Management Activity[2]	44,381	44,381	0	0	0	0	0	0	0
Washington Headquarters Svcs	278,468	25,737	10,712	39,356	19,081	41,677	140,465	1,440	0
Department of the Air Force	113,742	9,050	877	36,764	800	20,685	43,466	0	2,100
Department of the Army	90,526	24,813	1,519	15,808	2,845	13,513	32,028	0	0
Department of the Navy	237,455	27,473	0	27,289	70,025	16,643	96,025	0	0
Department of Energy	605,068	86,097	0	364,037	72,175	22,820	59,911	0	28
Dept of Health & Human Svcs, total	13,473,001	10,612,667	1,143,585	477,195	288,472	99,304	300,848	210,648	340,282
Admin for Children & Families	11,416	0	0	0	0	0	0	11,416	0
Agency for Healthcare Research and Quality[3]	100,755	77,581	0	0	0	1,008	0	11,083	11,083
Agency for Toxic Substances Disease & Registry[4]	5,744	0	0	0	5,744	0	0	0	0
Centers for Disease Control & Prevention	108,325	108,325	0	0	0	0	0	0	0
Food & Drug Administration	18,900	18,900	0	0	0	0	0	0	0
Health Care Financing Admin	8,785	8,785	0	0	0	0	0	0	0
Health Resources & Services Admin	9,268	9,268	0	0	0	0	0	0	0
National Institutes of Health[5]	13,203,407	10,389,808	1,143,585	477,195	282,728	98,296	300,848	181,748	329,199
Office of the Secretary, total	6,401	0	0	0	0	0	0	6,401	0
Office of the Asst Secretary, Planning & Evaluation	6,401	0	0	0	0	0	0	6,401	0

See explanatory information, if any, and SOURCE at end of table.

Table C-59. Preliminary Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
National Aeronautics & Space Admin[6]	721,038	57,247	4,370	257,903	184,137	22,963	120,552	977	72,889
National Science Foundation	2,506,157	447,164	5,539	493,506	366,153	482,018	468,398	104,153	139,226

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2002.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-60. Federal obligations for research performed at universities and colleges in psychology and life sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	898,333	6,623	14,873	876,837	9,357,175	6,162,879	233,778	218,958	2,194,375	547,185
Departments:										
Department of Agriculture, total	0	0	0	0	442,459	103,749	112,451	216,901	9,358	0
Agricultural Marketing Service	0	0	0	0	406	0	0	406	0	0
Agricultural Research Service	0	0	0	0	41,706	5,660	2,940	32,366	740	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	385,341	87,335	105,915	183,473	8,618	0
Foreign Agricultural Service	0	0	0	0	614	0	0	614	0	0
Forest Service	0	0	0	0	14,392	10,754	3,596	42	0	0
Department of Defense, total	16,194	5,668	8,526	2,000	216,900	59,682	11,248	749	103,860	41,361
Defense Agencies, total	14,194	5,668	8,526	0	150,242	51,052	5,185	749	69,140	24,116
Chemical and Biological Defense[1]	0	0	0	0	23,778	0	0	0	0	23,778
Defense Adv Rsch Projects Agcy	0	0	0	0	35,226	33,723	123	0	1,380	0
Special Operations Command	0	0	0	0	338	0	0	0	0	338
TRICARE Management Activity[2]	0	0	0	0	59,401	0	0	0	59,401	0
Washington Headquarters Svcs	14,194	5,668	8,526	0	31,499	17,329	5,062	749	8,359	0
Department of the Air Force	741	0	0	741	7,968	1,193	2,597	0	642	3,536
Department of the Army	1,259	0	0	1,259	33,424	3,539	0	0	29,885	0
Department of the Navy	0	0	0	0	25,266	3,898	3,466	0	4,193	13,709
Department of Energy	0	0	0	0	95,793	57,311	0	0	37,274	1,208
Dept of Health & Human Svcs, total	872,744	0	30	872,714	8,139,831	5,620,640	0	0	2,038,268	480,923
Agency for Healthcare Research and Quality[3]	30	0	30	0	51,012	204	0	0	50,808	0
Centers for Disease Control & Prevention	0	0	0	0	108,325	0	0	0	108,325	0
Food & Drug Administration	0	0	0	0	17,287	17,287	0	0	0	0
Health Care Financing Admin	0	0	0	0	10,005	0	0	0	0	10,005
Health Resources & Services Admin	0	0	0	0	13,706	0	0	0	13,706	0
National Institutes of Health[4]	872,714	0	0	872,714	7,939,496	5,603,149	0	0	1,865,429	470,918
Other agencies:										
National Aeronautics & Space Admin[5]	4,370	955	1,292	2,123	57,247	22,007	4,624	1,308	5,615	23,693
National Science Foundation	5,025	0	5,025	0	404,945	299,490	105,455	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-61. Federal obligations for research performed at universities and colleges in physical and environmental sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,561,163	228,334	622,461	575,746	134,622	910,361	186,733	136,327	233,993	353,308
Departments:										
Department of Agriculture, total	20,687	0	20,546	141	0	1,946	1,941	5	0	0
Agricultural Research Service	3,023	0	2,882	141	0	200	195	5	0	0
Cooperative State Research, Education, & Extension Service	17,461	0	17,461	0	0	1,043	1,043	0	0	0
Forest Service	203	0	203	0	0	703	703	0	0	0
Department of Defense, total	107,810	0	45,715	52,411	9,684	89,900	13,142	2,756	67,383	6,619
Defense Agencies, total	43,446	0	15,970	27,476	0	14,668	3,701	1,779	8,620	568
Ballistic Missile Defense Org	1,609	0	1,364	245	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	7,533	0	0	7,533	0	0	0	0	0	0
Defense Threat Reduction Agency	66	0	0	66	0	518	0	0	0	518
Washington Headquarters Svcs	34,238	0	14,606	19,632	0	14,150	3,701	1,779	8,620	50
Department of the Air Force	25,624	0	12,167	9,422	4,035	962	962	0	0	0
Department of the Army	14,351	0	6,250	7,274	827	10,010	4,016	977	0	5,017
Department of the Navy	24,389	0	11,328	8,239	4,822	64,260	4,463	0	58,763	1,034
Department of Energy	363,907	0	53,090	310,407	410	81,238	27,323	26,267	4,289	23,359
Dept of Health & Human Svcs, total	364,164	0	354,362	0	9,802	220,970	0	0	0	220,970
Agency for Toxic Substances Disease & Registry[1]	0	0	0	0	0	5,210	0	0	0	5,210
National Institutes of Health[2]	364,164	0	354,362	0	9,802	215,760	0	0	0	215,760
Other agencies:										
National Aeronautics & Space Admin[3]	257,903	180,084	7,504	46,899	23,416	184,137	71,730	14,385	9,740	88,282
National Science Foundation	446,692	48,250	141,244	165,888	91,310	332,170	72,597	92,914	152,581	14,078

1 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-62. Federal obligations for research performed at universities and colleges in engineering, by selected agency and detailed field of engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	1,283,447	69,915	43,765	80,232	50,770	181,805	72,344	280,503	504,113
Departments:									
Department of Agriculture, total	18,547	0	0	305	63	36	45	0	18,098
Agricultural Research Service	407	0	0	204	63	36	45	0	59
Cooperative State Research, Education, & Extension Service	17,857	0	0	0	0	0	0	0	17,857
Forest Service	283	0	0	101	0	0	0	0	182
Department of Defense, total	425,521	36,460	12,094	9,463	6,926	123,786	48,588	103,992	84,212
Defense Agencies, total	240,584	14,579	1,226	7,960	1,922	75,200	24,297	65,698	49,702
Ballistic Missile Defense Org	9,516	2,205	0	0	0	0	0	700	6,611
Defense Adv Rsch Projects Agcy	97,361	9,109	220	1,194	0	20,036	0	26,387	40,415
Defense Threat Reduction Agency	213	0	0	0	0	213	0	0	0
Special Operations Command	1,676	0	0	0	0	0	0	0	1,676
Washington Headquarters Svcs	131,818	3,265	1,006	6,766	1,922	54,951	24,297	38,611	1,000
Department of the Air Force	50,661	16,726	10,167	19	800	5,607	1,414	15,518	410
Department of the Army	41,136	895	0	1,484	4,204	13,022	10,854	7,264	3,413
Department of the Navy	93,140	4,260	701	0	0	29,957	12,023	15,512	30,687
Department of Energy	68,643	0	0	24,576	4,309	2,795	8,654	14,162	14,147
Dept of Health & Human Svcs, total	229,588	0	0	0	0	0	0	31,081	198,507
National Institutes of Health[1]	229,588	0	0	0	0	0	0	31,081	198,507
Other agencies:									
National Aeronautics & Space Admin[2]	120,552	33,455	31,671	2,287	0	6,786	8,474	11,686	26,193
National Science Foundation	420,596	0	0	43,601	39,472	48,402	6,583	119,582	162,956

[1] Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-63. Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	792,873	211,490	568,127	13,256	321,422	11,637	66,005	5,541	19,735	218,504
Departments:										
Department of Agriculture, total	278	278	0	0	63,041	0	48,188	0	14,853	0
Agricultural Research Service	59	59	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	57,568	0	42,769	0	14,799	0
Economic Research Service	0	0	0	0	3,670	0	3,670	0	0	0
Forest Service	50	50	0	0	1,733	0	1,679	0	54	0
Nat'l Agricultural Statistics Svc	169	169	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc	0	0	0	0	70	0	70	0	0	0
Department of Defense, total	248,607	29,507	209,766	9,334	667	0	75	0	415	177
Defense Agencies, total	197,164	14,057	179,272	3,835	667	0	75	0	415	177
Defense Adv Rsch Projects Agcy	167,191	3,846	159,560	3,785	0	0	0	0	0	0
Defense Threat Reduction Agency	50	0	0	50	0	0	0	0	0	0
Washington Headquarters Svcs	29,923	10,211	19,712	0	667	0	75	0	415	177
Department of the Air Force	19,628	5,299	9,053	5,276	0	0	0	0	0	0
Department of the Army	16,596	5,408	11,131	57	0	0	0	0	0	0
Department of the Navy	15,219	4,743	10,310	166	0	0	0	0	0	0
Department of Energy	8,959	6,112	2,847	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	75,782	75,275	507	0	162,956	30	2,129	0	49	160,748
Admin for Children & Families	0	0	0	0	10,951	0	0	0	0	10,951
Agency for Healthcare Research and Quality[1]	769	262	507	0	7,170	30	2,129	0	49	4,962
National Institutes of Health[2]	75,013	75,013	0	0	138,698	0	0	0	0	138,698
Office of the Secretary, total	0	0	0	0	6,137	0	0	0	0	6,137
Office of the Asst Secretary, Planning & Evaluation	0	0	0	0	6,137	0	0	0	0	6,137
Other agencies:										
National Aeronautics & Space Admin[3]	22,963	693	18,348	3,922	977	0	0	0	0	977
National Science Foundation	436,284	99,625	336,659	0	93,781	11,607	15,613	5,541	4,418	56,602

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-64. Federal obligations for basic research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Field of science and engineering	2000	Preliminary	
		2001	2002
Total, all fields	10,022,175	11,832,858	12,119,816
Life sciences, total	5,684,855	6,983,887	7,162,966
Biological (excluding environmental)	4,062,094	NA	NA
Environmental biology	149,153	NA	NA
Agricultural	112,529	NA	NA
Medical	1,070,146	NA	NA
Life sciences, n.e.c.	290,933	NA	NA
Psychology, total	486,004	562,180	622,639
Biological aspects	5,458	NA	NA
Social aspects	13,932	NA	NA
Psychological sciences, n.e.c.	466,614	NA	NA
Physical sciences, total	1,216,740	1,336,877	1,344,797
Astronomy	144,135	NA	NA
Chemistry	423,183	NA	NA
Physics	526,605	NA	NA
Physical sciences, n.e.c.	122,817	NA	NA
Environmental sciences, total	747,852	798,872	822,883
Atmospheric	171,293	NA	NA
Geological	135,627	NA	NA
Oceanography	226,043	NA	NA
Environmental sciences, n.e.c.	214,889	NA	NA
Mathematics & computer sciences, total	558,117	637,547	644,850
Mathematics	169,608	NA	NA
Computer sciences	382,543	NA	NA
Mathematics & computer sciences, n.e.c.	5,966	NA	NA
Engineering, total	834,017	963,491	943,847
Aeronautical	38,488	NA	NA
Astronautical	12,413	NA	NA
Chemical	44,329	NA	NA
Civil	36,242	NA	NA
Electrical	125,148	NA	NA
Mechanical	63,496	NA	NA
Metallurgy & materials	233,855	NA	NA
Engineering, n.e.c.	280,046	NA	NA
Social sciences, total	172,245	194,215	202,428
Anthropology	10,967	NA	NA
Economics	23,494	NA	NA
Political science	5,010	NA	NA
Sociology	7,642	NA	NA
Social sciences, n.e.c.	125,132	NA	NA
Other sciences, n.e.c.	322,345	355,789	375,406

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

NOTE: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal years 2000, 2001, and 2002.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-65. Federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	10,022,175	5,684,855	486,004	1,216,740	747,852	558,117	834,017	172,245	322,345
Departments:									
Department of Agriculture, total	243,996	214,330	0	9,084	1,141	35	4,986	14,342	78
Agricultural Research Service	26,938	24,747	0	1,794	119	35	243	0	0
Cooperative State Research, Education, & Extension Service	210,879	184,264	0	7,097	580	0	4,663	14,275	0
Foreign Agricultural Service	223	223	0	0	0	0	0	0	0
Forest Service	5,956	5,096	0	193	442	0	80	67	78
Department of Defense, total	653,311	125,344	14,450	92,697	72,510	74,903	265,964	415	7,028
Defense Agencies, total	332,389	89,889	12,696	33,445	12,602	30,718	147,242	415	5,382
Chemical and Biological Defense[1]	7,771	7,771	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	36,122	1,536	0	2,020	0	5,289	21,895	0	5,382
TRICARE Management Activity[2]	59,401	59,401	0	0	0	0	0	0	0
Washington Headquarters Svcs	229,095	21,181	12,696	31,425	12,602	25,429	125,347	415	0
Department of the Air Force	92,008	7,918	495	23,919	962	18,966	38,102	0	1,646
Department of the Army	66,642	6,534	1,259	11,547	3,290	12,177	31,835	0	0
Department of the Navy	162,272	21,003	0	23,786	55,656	13,042	48,785	0	0
Department of Energy	484,527	57,949	0	324,173	70,982	8,959	22,464	0	0
Dept of Health & Human Svcs, total	5,991,475	4,849,823	464,024	193,627	114,720	39,885	122,073	73,746	133,577
National Institutes of Health[3]	5,991,475	4,849,823	464,024	193,627	114,720	39,885	122,073	73,746	133,577
Other agencies:									
National Aeronautics & Space Admin[4]	519,788	44,983	2,522	167,587	157,748	14,922	64,873	977	66,176
National Science Foundation	2,129,078	392,426	5,008	429,572	330,751	419,413	353,657	82,765	115,486

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-66. Preliminary Federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	11,832,858	6,983,887	562,180	1,336,877	798,872	637,547	963,491	194,215	355,789
Departments:									
Department of Agriculture, total	287,343	254,302	0	9,935	1,240	43	5,462	16,283	78
Agricultural Research Service	32,830	30,161	0	2,085	246	43	295	0	0
Cooperative State Research, Education, & Extension Service	248,334	218,822	0	7,657	552	0	5,087	16,216	0
Foreign Agricultural Service	223	223	0	0	0	0	0	0	0
Forest Service	5,956	5,096	0	193	442	0	80	67	78
Department of Defense, total	1,238,832	586,319	17,696	121,254	76,893	92,149	335,951	600	7,970
Defense Agencies, total	899,849	548,506	15,541	49,935	13,886	47,950	217,686	600	5,745
Chemical and Biological Defense[1]	7,771	7,771	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	75,579	6,894	0	6,017	0	8,658	48,265	0	5,745
TRICARE Management Activity[2]	513,625	513,625	0	0	0	0	0	0	0
Washington Headquarters Svcs	302,874	20,216	15,541	43,918	13,886	39,292	169,421	600	0
Department of the Air Force	91,227	7,713	600	29,616	750	16,692	33,631	0	2,225
Department of the Army	72,629	7,298	1,555	15,872	2,906	13,340	31,658	0	0
Department of the Navy	175,127	22,802	0	25,831	59,351	14,167	52,976	0	0
Department of Energy	516,831	59,554	0	341,432	66,315	22,685	26,817	0	28
Dept of Health & Human Svcs, total	6,926,640	5,606,795	536,450	223,850	132,626	46,110	141,126	85,257	154,426
National Institutes of Health[3]	6,926,640	5,606,795	536,450	223,850	132,626	46,110	141,126	85,257	154,426
Other agencies:									
National Aeronautics & Space Admin[4]	519,788	44,983	2,522	167,587	157,748	14,922	64,873	977	66,176
National Science Foundation	2,343,424	431,934	5,512	472,819	364,050	461,638	389,262	91,098	127,111

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2001.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-67. Preliminary Federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	12,119,816	7,162,966	622,639	1,344,797	822,883	644,850	943,847	202,428	375,406
Departments:									
Department of Agriculture, total	228,061	199,250	0	9,347	1,245	35	4,872	13,234	78
Agricultural Research Service	26,938	24,748	0	1,711	202	35	242	0	0
Cooperative State Research, Education, & Extension Service	194,944	169,183	0	7,443	601	0	4,550	13,167	0
Foreign Agricultural Service	223	223	0	0	0	0	0	0	0
Forest Service	5,956	5,096	0	193	442	0	80	67	78
Department of Defense, total	730,590	115,925	11,369	120,408	82,184	93,032	298,323	1,140	8,209
Defense Agencies, total	387,549	76,749	9,150	44,077	17,419	46,200	186,705	1,140	6,109
Chemical and Biological Defense[1]	11,820	10,757	0	1,063	0	0	0	0	0
Defense Adv Rsch Projects Agcy	80,368	7,331	0	6,398	0	9,206	51,324	0	6,109
TRICARE Management Activity[2]	44,381	44,381	0	0	0	0	0	0	0
Washington Headquarters Svcs	250,980	14,280	9,150	36,616	17,419	36,994	135,381	1,140	0
Department of the Air Force	100,000	9,000	700	35,000	800	20,000	32,400	0	2,100
Department of the Army	61,759	6,573	1,519	14,592	2,529	12,166	24,380	0	0
Department of the Navy	181,282	23,603	0	26,739	61,436	14,666	54,838	0	0
Department of Energy	506,248	65,602	0	322,355	68,085	22,820	27,358	0	28
Dept of Health & Human Svcs, total	7,788,898	6,304,755	603,229	251,715	149,136	51,850	158,694	95,870	173,649
National Institutes of Health[3]	7,788,898	6,304,755	603,229	251,715	149,136	51,850	158,694	95,870	173,649
Other agencies:									
National Aeronautics & Space Admin[4]	519,788	44,983	2,522	167,587	157,748	14,922	64,873	977	66,176
National Science Foundation	2,346,231	432,451	5,519	473,385	364,485	462,191	389,727	91,207	127,266

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2002.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-68. Federal obligations for basic research performed at universities and colleges in psychology and life sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	486,004	5,458	13,932	466,614	5,684,855	4,062,094	149,153	112,529	1,070,146	290,933
Departments:										
Department of Agriculture, total	0	0	0	0	214,330	55,417	41,699	111,721	5,493	0
Agricultural Research Service	0	0	0	0	24,747	3,359	1,742	19,207	439	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	184,264	48,280	38,639	92,291	5,054	0
Foreign Agricultural Service	0	0	0	0	223	0	0	223	0	0
Forest Service	0	0	0	0	5,096	3,778	1,318	0	0	0
Department of Defense, total	14,450	4,919	7,777	1,754	125,344	24,478	11,075	0	67,883	21,908
Defense Agencies, total	12,696	4,919	7,777	0	89,889	17,065	5,062	0	59,991	7,771
Chemical and Biological Defense[1]	0	0	0	0	7,771	0	0	0	0	7,771
Defense Adv Rsch Projects Agcy	0	0	0	0	1,536	1,536	0	0	0	0
TRICARE Management Activity[2]	0	0	0	0	59,401	0	0	0	59,401	0
Washington Headquarters Svcs	12,696	4,919	7,777	0	21,181	15,529	5,062	0	590	0
Department of the Air Force	495	0	0	495	7,918	1,193	2,547	0	642	3,536
Department of the Army	1,259	0	0	1,259	6,534	2,766	0	0	3,768	0
Department of the Navy	0	0	0	0	21,003	3,454	3,466	0	3,482	10,601
Department of Energy	0	0	0	0	57,949	57,311	0	0	0	638
Dept of Health & Human Svcs, total	464,024	0	0	464,024	4,849,823	3,607,583	0	0	991,852	250,388
National Institutes of Health[3]	464,024	0	0	464,024	4,849,823	3,607,583	0	0	991,852	250,388
Other agencies:										
National Aeronautics & Space Admin[4]	2,522	539	1,147	836	44,983	20,198	1,060	808	4,918	17,999
National Science Foundation	5,008	0	5,008	0	392,426	297,107	95,319	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-69. Federal obligations for basic research performed at universities and colleges in physical and environmental sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,216,740	144,135	423,183	526,605	122,817	747,852	171,293	135,627	226,043	214,889
Departments:										
Department of Agriculture, total	9,084	0	9,000	84	0	1,141	1,138	3	0	0
Agricultural Research Service	1,794	0	1,710	84	0	119	116	3	0	0
Cooperative State Research, Education, & Extension Service	7,097	0	7,097	0	0	580	580	0	0	0
Forest Service	193	0	193	0	0	442	442	0	0	0
Department of Defense, total	92,697	0	40,876	42,810	9,011	72,510	8,634	2,756	59,751	1,369
Defense Agencies, total	33,445	0	12,592	20,853	0	12,602	2,952	1,779	7,871	0
Defense Adv Rsch Projects Agcy	2,020	0	0	2,020	0	0	0	0	0	0
Washington Headquarters Svcs	31,425	0	12,592	18,833	0	12,602	2,952	1,779	7,871	0
Department of the Air Force	23,919	0	12,054	7,900	3,965	962	962	0	0	0
Department of the Army	11,547	0	4,902	5,818	827	3,290	944	977	0	1,369
Department of the Navy	23,786	0	11,328	8,239	4,219	55,656	3,776	0	51,880	0
Department of Energy	324,173	0	44,869	279,304	0	70,982	27,323	26,267	4,289	13,103
Dept of Health & Human Svcs, total	193,627	0	188,415	0	5,212	114,720	0	0	0	114,720
National Institutes of Health[1]	193,627	0	188,415	0	5,212	114,720	0	0	0	114,720
Other agencies:										
National Aeronautics & Space Admin[2]	167,587	96,480	6,958	42,834	21,315	157,748	61,805	13,924	9,708	72,311
National Science Foundation	429,572	47,655	133,065	161,573	87,279	330,751	72,393	92,677	152,295	13,386

[1] Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-70. Federal obligations for basic research performed at universities and colleges in engineering, by selected agency and detailed field of engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	834,017	38,488	12,413	44,329	36,242	125,148	63,496	233,855	280,046
Departments:									
Department of Agriculture, total	4,986	0	0	201	38	22	27	0	4,698
Agricultural Research Service	243	0	0	121	38	22	27	0	35
Cooperative State Research, Education, & Extension Service	4,663	0	0	0	0	0	0	0	4,663
Forest Service	80	0	0	80	0	0	0	0	0
Department of Defense, total	265,964	14,134	11,137	7,271	4,023	86,411	42,237	76,661	24,090
Defense Agencies, total	147,242	3,190	1,006	5,875	804	55,351	22,727	43,690	14,599
Defense Adv Rsch Projects Agcy	21,895	0	0	677	0	1,540	0	5,079	14,599
Washington Headquarters Svcs	125,347	3,190	1,006	5,198	804	53,811	22,727	38,611	0
Department of the Air Force	38,102	8,760	10,131	0	0	4,023	330	14,740	118
Department of the Army	31,835	789	0	1,396	3,219	9,616	9,884	6,931	0
Department of the Navy	48,785	1,395	0	0	0	17,421	9,296	11,300	9,373
Department of Energy	22,464	0	0	0	0	0	8,629	13,835	0
Dept of Health & Human Svcs, total	122,073	0	0	0	0	0	0	16,526	105,547
National Institutes of Health[1]	122,073	0	0	0	0	0	0	16,526	105,547
Other agencies:									
National Aeronautics & Space Admin[2]	64,873	24,354	1,276	1,847	0	3,049	7,110	9,067	18,170
National Science Foundation	353,657	0	0	35,010	32,181	35,666	5,493	117,766	127,541

[1] Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-71. Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	558,117	169,608	382,543	5,966	172,245	10,967	23,494	5,010	7,642	125,132
Departments:										
Department of Agriculture, total	35	35	0	0	14,342	0	10,663	0	3,679	0
Agricultural Research Service	35	35	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	14,275	0	10,605	0	3,670	0
Forest Service	0	0	0	0	67	0	58	0	9	0
Department of Defense, total	74,903	23,324	46,299	5,280	415	0	0	0	415	0
Defense Agencies, total	30,718	7,964	22,754	0	415	0	0	0	415	0
Defense Adv Rsch Projects Agcy	5,289	0	5,289	0	0	0	0	0	0	0
Washington Headquarters Svcs	25,429	7,964	17,465	0	415	0	0	0	415	0
Department of the Air Force	18,966	5,241	8,611	5,114	0	0	0	0	0	0
Department of the Army	12,177	5,376	6,801	0	0	0	0	0	0	0
Department of the Navy	13,042	4,743	8,133	166	0	0	0	0	0	0
Department of Energy	8,959	6,112	2,847	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	39,885	39,885	0	0	73,746	0	0	0	0	73,746
National Institutes of Health[1]	39,885	39,885	0	0	73,746	0	0	0	0	73,746
Other agencies:										
National Aeronautics & Space Admin[2]	14,922	693	13,543	686	977	0	0	0	0	977
National Science Foundation	419,413	99,559	319,854	0	82,765	10,967	12,831	5,010	3,548	50,409

[1] Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-72. Federal obligations for applied research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Field of science and engineering	2000	Preliminary	
		2001	2002
Total, all fields	5,566,653	6,424,681	6,912,610
Life sciences, total	3,672,320	4,310,387	4,642,791
Biological (excluding environmental)	2,100,785	NA	NA
Environmental biology	84,625	NA	NA
Agricultural	106,429	NA	NA
Medical	1,124,229	NA	NA
Life sciences, n.e.c.	256,252	NA	NA
Psychology, total	412,329	480,034	543,963
Biological aspects	1,165	NA	NA
Social aspects	941	NA	NA
Psychological sciences, n.e.c.	410,223	NA	NA
Physical sciences, total	344,423	375,161	397,655
Astronomy	84,199	NA	NA
Chemistry	199,278	NA	NA
Physics	49,141	NA	NA
Physical sciences, n.e.c.	11,805	NA	NA
Environmental sciences, total	162,509	184,259	182,888
Atmospheric	15,440	NA	NA
Geological	700	NA	NA
Oceanography	7,950	NA	NA
Environmental sciences, n.e.c.	138,419	NA	NA
Mathematics & computer sciences, total	234,756	247,793	303,363
Mathematics	41,882	NA	NA
Computer sciences	185,584	NA	NA
Mathematics & computer sciences, n.e.c.	7,290	NA	NA
Engineering, total	449,430	486,414	482,964
Aeronautical	31,427	NA	NA
Astronautical	31,352	NA	NA
Chemical	35,903	NA	NA
Civil	14,528	NA	NA
Electrical	56,657	NA	NA
Mechanical	8,848	NA	NA
Metallurgy & materials	46,648	NA	NA
Engineering, n.e.c.	224,067	NA	NA
Social sciences, total	149,177	174,877	173,569
Anthropology	670	NA	NA
Economics	42,511	NA	NA
Political science	531	NA	NA
Sociology	12,093	NA	NA
Social sciences, n.e.c.	93,372	NA	NA
Other sciences, n.e.c.	141,709	165,756	185,417

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

NOTE: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 94 percent of total Federal applied research obligations to universities and colleges in fiscal years 2000, 2001, and 2002.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-73. Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	5,566,653	3,672,320	412,329	344,423	162,509	234,756	449,430	149,177	141,709
Departments:									
Department of Agriculture, total	303,150	228,129	0	11,603	805	243	13,561	48,699	110
Agricultural Marketing Service	406	406	0	0	0	0	0	0	0
Agricultural Research Service	18,457	16,959	0	1,229	81	24	164	0	0
Cooperative State Research, Education, & Extension Service	268,391	201,077	0	10,364	463	0	13,194	43,293	0
Economic Research Service	3,670	0	0	0	0	0	0	3,670	0
Foreign Agricultural Service	391	391	0	0	0	0	0	0	0
Forest Service	11,596	9,296	0	10	261	50	203	1,666	110
Nat'l Agricultural Statistics Svc	169	0	0	0	0	169	0	0	0
Rural Business-Cooperative Svc	70	0	0	0	0	0	0	70	0
Department of Defense, total	459,441	91,556	1,744	15,113	17,390	173,704	159,557	252	125
Defense Agencies, total	334,083	60,353	1,498	10,001	2,066	166,446	93,342	252	125
Ballistic Missile Defense Org	11,125	0	0	1,609	0	0	9,516	0	0
Chemical and Biological Defense[1]	16,007	16,007	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	276,696	33,690	0	5,513	0	161,902	75,466	0	125
Defense Threat Reduction Agency	847	0	0	66	518	50	213	0	0
Special Operations Command	2,014	338	0	0	0	0	1,676	0	0
Washington Headquarters Svcs	27,394	10,318	1,498	2,813	1,548	4,494	6,471	252	0
Department of the Air Force	15,222	50	246	1,705	0	662	12,559	0	0
Department of the Army	50,134	26,890	0	2,804	6,720	4,419	9,301	0	0
Department of the Navy	60,002	4,263	0	603	8,604	2,177	44,355	0	0
Department of Energy	134,013	37,844	0	39,734	10,256	0	46,179	0	0
Dept of Health & Human Svcs, total	4,332,719	3,290,008	408,720	170,537	106,250	35,897	107,515	89,210	124,582
Admin for Children & Families	10,951	0	0	0	0	0	0	10,951	0
Agency for Healthcare Research and Quality[2]	65,915	51,012	30	0	0	769	0	7,170	6,934
Agency for Toxic Substances Disease & Registry[3]	5,210	0	0	0	5,210	0	0	0	0
Centers for Disease Control & Prevention	108,325	108,325	0	0	0	0	0	0	0
Food & Drug Administration	17,287	17,287	0	0	0	0	0	0	0
Health Care Financing Admin	10,005	10,005	0	0	0	0	0	0	0
Health Resources & Services Admin	13,706	13,706	0	0	0	0	0	0	0
National Institutes of Health[4]	4,095,183	3,089,673	408,690	170,537	101,040	35,128	107,515	64,952	117,648
Office of the Secretary, total	6,137	0	0	0	0	0	0	6,137	0
Office of the Asst Secretary, Planning & Evaluation	6,137	0	0	0	0	0	0	6,137	0
Other agencies:									
National Aeronautics & Space Admin[5]	201,250	12,264	1,848	90,316	26,389	8,041	55,679	0	6,713
National Science Foundation	136,080	12,519	17	17,120	1,419	16,871	66,939	11,016	10,179

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 93 percent of total Federal applied research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-74. Preliminary Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	6,424,681	4,310,387	480,034	375,161	184,259	247,793	486,414	174,877	165,756
Departments:									
Department of Agriculture, total	381,785	292,520	0	13,622	923	114	15,837	58,659	110
Agricultural Research Service	22,495	20,666	0	1,428	169	29	203	0	0
Cooperative State Research, Education, & Extension Service	342,938	262,167	0	12,184	493	0	15,431	52,663	0
Economic Research Service	4,000	0	0	0	0	0	0	4,000	0
Foreign Agricultural Service	391	391	0	0	0	0	0	0	0
Forest Service	11,596	9,296	0	10	261	50	203	1,666	110
Nat'l Agricultural Statistics Svc	35	0	0	0	0	35	0	0	0
Rural Business-Cooperative Svc	330	0	0	0	0	0	0	330	0
Department of Defense, total	488,126	110,082	2,198	9,936	21,500	177,873	166,229	300	8
Defense Agencies, total	330,737	65,817	1,948	3,174	1,998	172,568	84,924	300	8
Ballistic Missile Defense Org	3,807	0	0	416	0	0	3,391	0	0
Chemical and Biological Defense[1]	8,686	8,546	0	140	0	0	0	0	0
Defense Adv Rsch Projects Agcy	277,922	39,289	0	0	0	166,387	72,246	0	0
Defense Threat Reduction Agency	493	0	0	0	0	335	150	0	8
Special Operations Command	1,394	104	0	0	0	0	1,290	0	0
Washington Headquarters Svcs	38,435	17,878	1,948	2,618	1,998	5,846	7,847	300	0
Department of the Air Force	14,813	50	250	1,988	0	811	11,714	0	0
Department of the Army	74,523	39,519	0	4,107	9,178	2,099	19,620	0	0
Department of the Navy	68,053	4,696	0	667	10,324	2,395	49,971	0	0
Department of Energy	145,006	47,645	0	42,412	10,623	0	44,226	0	100
Dept of Health & Human Svcs, total	5,047,454	3,833,059	475,968	198,612	123,144	41,798	125,215	102,880	146,778
Admin for Children & Families	11,181	0	0	0	0	0	0	11,181	0
Agency for Healthcare Research and Quality[2]	88,763	68,348	0	0	0	887	0	9,764	9,764
Agency for Toxic Substances Disease & Registry[3]	5,471	0	0	0	5,471	0	0	0	0
Centers for Disease Control & Prevention	108,325	108,325	0	0	0	0	0	0	0
Food & Drug Administration	18,100	18,100	0	0	0	0	0	0	0
Health Care Financing Admin	22,065	22,065	0	0	0	0	0	0	0
Health Resources & Services Admin	17,940	17,940	0	0	0	0	0	0	0
National Institutes of Health[4]	4,769,319	3,598,281	475,968	198,612	117,673	40,911	125,215	75,645	137,014
Office of the Secretary, total	6,290	0	0	0	0	0	0	6,290	0
Office of the Asst Secretary, Planning & Evaluation	6,290	0	0	0	0	0	0	6,290	0
Other agencies:									
National Aeronautics & Space Admin[5]	201,250	12,264	1,848	90,316	26,389	8,041	55,679	0	6,713
National Science Foundation	161,060	14,817	20	20,263	1,680	19,967	79,228	13,038	12,047

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 93 percent of total Federal applied research obligations to universities and colleges in fiscal year 2001.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-75. Preliminary Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2002

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	6,912,610	4,642,791	543,963	397,655	182,888	303,363	482,964	173,569	185,417
Departments:									
Department of Agriculture, total	265,327	194,819	0	11,341	838	109	12,565	45,545	110
Agricultural Research Service	18,457	16,957	0	1,172	138	24	166	0	0
Cooperative State Research, Education, & Extension Service	228,848	168,175	0	10,159	439	0	12,196	37,879	0
Economic Research Service	4,000	0	0	0	0	0	0	4,000	0
Foreign Agricultural Service	391	391	0	0	0	0	0	0	0
Forest Service	11,596	9,296	0	10	261	50	203	1,666	110
Nat'l Agricultural Statistics Svc	35	0	0	0	0	35	0	0	0
Rural Business-Cooperative Svc	2,000	0	0	0	0	0	0	2,000	0
Department of Defense, total	503,184	92,588	1,739	8,715	10,567	227,932	161,342	300	1
Defense Agencies, total	404,502	70,428	1,562	5,185	1,662	223,923	101,441	300	1
Ballistic Missile Defense Org	1,767	0	0	549	0	900	318	0	0
Chemical and Biological Defense[1]	9,299	7,403	0	1,896	0	0	0	0	0
Defense Adv Rsch Projects Agcy	363,858	51,438	0	0	0	217,835	94,584	0	1
Defense Threat Reduction Agency	655	0	0	0	0	505	150	0	0
Special Operations Command	1,435	130	0	0	0	0	1,305	0	0
Washington Headquarters Svcs	27,488	11,457	1,562	2,740	1,662	4,683	5,084	300	0
Department of the Air Force	13,742	50	177	1,764	0	685	11,066	0	0
Department of the Army	28,767	18,240	0	1,216	316	1,347	7,648	0	0
Department of the Navy	56,173	3,870	0	550	8,589	1,977	41,187	0	0
Department of Energy	98,820	20,495	0	41,682	4,090	0	32,553	0	0
Dept of Health & Human Svcs, total	5,684,103	4,307,912	540,356	225,480	139,336	47,454	142,154	114,778	166,633
Admin for Children & Families	11,416	0	0	0	0	0	0	11,416	0
Agency for Healthcare Research and Quality[2]	100,755	77,581	0	0	0	1,008	0	11,083	11,083
Agency for Toxic Substances Disease & Registry[3]	5,744	0	0	0	5,744	0	0	0	0
Centers for Disease Control & Prevention	108,325	108,325	0	0	0	0	0	0	0
Food & Drug Administration	18,900	18,900	0	0	0	0	0	0	0
Health Care Financing Admin	8,785	8,785	0	0	0	0	0	0	0
Health Resources & Services Admin	9,268	9,268	0	0	0	0	0	0	0
National Institutes of Health[4]	5,414,509	4,085,053	540,356	225,480	133,592	46,446	142,154	85,878	155,550
Office of the Secretary, total	6,401	0	0	0	0	0	0	6,401	0
Office of the Asst Secretary, Planning & Evaluation	6,401	0	0	0	0	0	0	6,401	0
Other agencies:									
National Aeronautics & Space Admin[5]	201,250	12,264	1,848	90,316	26,389	8,041	55,679	0	6,713
National Science Foundation	159,926	14,713	20	20,121	1,668	19,827	78,671	12,946	11,960

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 94 percent of total Federal applied research obligations to universities and colleges in fiscal year 2002.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-76. Federal obligations for applied research performed at universities and colleges in psychology and life sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	412,329	1,165	941	410,223	3,672,320	2,100,785	84,625	106,429	1,124,229	256,252
Departments:										
Department of Agriculture, total	0	0	0	0	228,129	48,332	70,752	105,180	3,865	0
Agricultural Marketing Service	0	0	0	0	406	0	0	406	0	0
Agricultural Research Service	0	0	0	0	16,959	2,301	1,198	13,159	301	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	201,077	39,055	67,276	91,182	3,564	0
Foreign Agricultural Service	0	0	0	0	391	0	0	391	0	0
Forest Service	0	0	0	0	9,296	6,976	2,278	42	0	0
Department of Defense, total	1,744	749	749	246	91,556	35,204	173	749	35,977	19,453
Defense Agencies, total	1,498	749	749	0	60,353	33,987	123	749	9,149	16,345
Chemical and Biological Defense[1]	0	0	0	0	16,007	0	0	0	0	16,007
Defense Adv Rsch Projects Agcy	0	0	0	0	33,690	32,187	123	0	1,380	0
Special Operations Command	0	0	0	0	338	0	0	0	0	338
Washington Headquarters Svcs	1,498	749	749	0	10,318	1,800	0	749	7,769	0
Department of the Air Force	246	0	0	246	50	0	50	0	0	0
Department of the Army	0	0	0	0	26,890	773	0	0	26,117	0
Department of the Navy	0	0	0	0	4,263	444	0	0	711	3,108
Department of Energy	0	0	0	0	37,844	0	0	0	37,274	570
Dept of Health & Human Svcs, total	408,720	0	30	408,690	3,290,008	2,013,057	0	0	1,046,416	230,535
Agency for Healthcare Research and Quality[2]	30	0	30	0	51,012	204	0	0	50,808	0
Centers for Disease Control & Prevention	0	0	0	0	108,325	0	0	0	108,325	0
Food & Drug Administration	0	0	0	0	17,287	17,287	0	0	0	0
Health Care Financing Admin	0	0	0	0	10,005	0	0	0	0	10,005
Health Resources & Services Admin	0	0	0	0	13,706	0	0	0	13,706	0
National Institutes of Health[3]	408,690	0	0	408,690	3,089,673	1,995,566	0	0	873,577	220,530
Other agencies:										
National Aeronautics & Space Admin[4]	1,848	416	145	1,287	12,264	1,809	3,564	500	697	5,694
National Science Foundation	17	0	17	0	12,519	2,383	10,136	0	0	0

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 93 percent of total Federal applied research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-77. Federal obligations for applied research performed at universities and colleges in physical and environmental sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	344,423	84,199	199,278	49,141	11,805	162,509	15,440	700	7,950	138,419
Departments:										
Department of Agriculture, total	11,603	0	11,546	57	0	805	803	2	0	0
Agricultural Research Service	1,229	0	1,172	57	0	81	79	2	0	0
Cooperative State Research, Education, & Extension Service	10,364	0	10,364	0	0	463	463	0	0	0
Forest Service	10	0	10	0	0	261	261	0	0	0
Department of Defense, total	15,113	0	4,839	9,601	673	17,390	4,508	0	7,632	5,250
Defense Agencies, total	10,001	0	3,378	6,623	0	2,066	749	0	749	568
Ballistic Missile Defense Org	1,609	0	1,364	245	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	5,513	0	0	5,513	0	0	0	0	0	0
Defense Threat Reduction Agency	66	0	0	66	0	518	0	0	0	518
Washington Headquarters Svcs	2,813	0	2,014	799	0	1,548	749	0	749	50
Department of the Air Force	1,705	0	113	1,522	70	0	0	0	0	0
Department of the Army	2,804	0	1,348	1,456	0	6,720	3,072	0	0	3,648
Department of the Navy	603	0	0	0	603	8,604	687	0	6,883	1,034
Department of Energy	39,734	0	8,221	31,103	410	10,256	0	0	0	10,256
Dept of Health & Human Svcs, total	170,537	0	165,947	0	4,590	106,250	0	0	0	106,250
Agency for Toxic Substances Disease & Registry[1]	0	0	0	0	0	5,210	0	0	0	5,210
National Institutes of Health[2]	170,537	0	165,947	0	4,590	101,040	0	0	0	101,040
Other agencies:										
National Aeronautics & Space Admin[3]	90,316	83,604	546	4,065	2,101	26,389	9,925	461	32	15,971
National Science Foundation	17,120	595	8,179	4,315	4,031	1,419	204	237	286	692

1 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 93 percent of total Federal applied research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-78. Federal obligations for applied research performed at universities and colleges in engineering, by selected agency and detailed field of engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	449,430	31,427	31,352	35,903	14,528	56,657	8,848	46,648	224,067
Departments:									
Department of Agriculture, total	13,561	0	0	104	25	14	18	0	13,400
Agricultural Research Service	164	0	0	83	25	14	18	0	24
Cooperative State Research, Education, & Extension Service	13,194	0	0	0	0	0	0	0	13,194
Forest Service	203	0	0	21	0	0	0	0	182
Department of Defense, total	159,557	22,326	957	2,192	2,903	37,375	6,351	27,331	60,122
Defense Agencies, total	93,342	11,389	220	2,085	1,118	19,849	1,570	22,008	35,103
Ballistic Missile Defense Org	9,516	2,205	0	0	0	0	0	700	6,611
Defense Adv Rsch Projects Agcy	75,466	9,109	220	517	0	18,496	0	21,308	25,816
Defense Threat Reduction Agency	213	0	0	0	0	213	0	0	0
Special Operations Command	1,676	0	0	0	0	0	0	0	1,676
Washington Headquarters Svcs	6,471	75	0	1,568	1,118	1,140	1,570	0	1,000
Department of the Air Force	12,559	7,966	36	19	800	1,584	1,084	778	292
Department of the Army	9,301	106	0	88	985	3,406	970	333	3,413
Department of the Navy	44,355	2,865	701	0	0	12,536	2,727	4,212	21,314
Department of Energy	46,179	0	0	24,576	4,309	2,795	25	327	14,147
Dept of Health & Human Svcs, total	107,515	0	0	0	0	0	0	14,555	92,960
National Institutes of Health[1]	107,515	0	0	0	0	0	0	14,555	92,960
Other agencies:									
National Aeronautics & Space Admin[2]	55,679	9,101	30,395	440	0	3,737	1,364	2,619	8,023
National Science Foundation	66,939	0	0	8,591	7,291	12,736	1,090	1,816	35,415

[1] Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 93 percent of total Federal applied research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-79. Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field of science: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	234,756	41,882	185,584	7,290	149,177	670	42,511	531	12,093	93,372
Departments:										
Department of Agriculture, total	243	243	0	0	48,699	0	37,525	0	11,174	0
Agricultural Research Service	24	24	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	43,293	0	32,164	0	11,129	0
Economic Research Service	0	0	0	0	3,670	0	3,670	0	0	0
Forest Service	50	50	0	0	1,666	0	1,621	0	45	0
Nat'l Agricultural Statistics Svc	169	169	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc	0	0	0	0	70	0	70	0	0	0
Department of Defense, total	173,704	6,183	163,467	4,054	252	0	75	0	0	177
Defense Agencies, total	166,446	6,093	156,518	3,835	252	0	75	0	0	177
Defense Adv Rsch Projects Agcy	161,902	3,846	154,271	3,785	0	0	0	0	0	0
Defense Threat Reduction Agency	50	0	0	50	0	0	0	0	0	0
Washington Headquarters Svcs	4,494	2,247	2,247	0	252	0	75	0	0	177
Department of the Air Force	662	58	442	162	0	0	0	0	0	0
Department of the Army	4,419	32	4,330	57	0	0	0	0	0	0
Department of the Navy	2,177	0	2,177	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	35,897	35,390	507	0	89,210	30	2,129	0	49	87,002
Admin for Children & Families	0	0	0	0	10,951	0	0	0	0	10,951
Agency for Healthcare Research and Quality[1]	769	262	507	0	7,170	30	2,129	0	49	4,962
National Institutes of Health[2]	35,128	35,128	0	0	64,952	0	0	0	0	64,952
Office of the Secretary, total	0	0	0	0	6,137	0	0	0	0	6,137
Office of the Asst Secretary, Planning & Evaluation	0	0	0	0	6,137	0	0	0	0	6,137
Other agencies:										
National Aeronautics & Space Admin[3]	8,041	0	4,805	3,236	0	0	0	0	0	0
National Science Foundation	16,871	66	16,805	0	11,016	640	2,782	531	870	6,193

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 93 percent of total Federal applied research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-80. Federal obligations for research and development to foreign performers, by region, country, and agency: fiscal year 2000

[Dollars in thousands]

Region and country	Total	USDA	DoD	DOE	HHS[1]	AID[2]	NASA[3]	NSF	Other[4]
Total, all areas & organizations	336,670	3,488	204,615	1,955	68,905	350	40,603	12,070	4,684
Africa, total	8,558	174	3,730	0	4,476	0	178	0	0
Egypt	2,109	0	2,109	0	0	0	0	0	0
Gabon	26	0	26	0	0	0	0	0	0
Kenya	887	60	827	0	0	0	0	0	0
Mali	1,029	0	0	0	1,029	0	0	0	0
St. Helena	178	0	0	0	0	0	178	0	0
South Africa	4,329	114	768	0	3,447	0	0	0	0
North America, total	58,862	1,530	14,019	1,264	25,203	0	11,917	3,952	977
Bermuda	3,026	0	0	0	0	0	91	2,935	0
Canada	50,940	659	13,983	1,264	22,220	0	11,826	11	977
Costa Rica	2,022	432	0	0	1,590	0	0	0	0
Jamaica	992	0	0	0	992	0	0	0	0
Mexico	1,568	404	27	0	131	0	0	1,006	0
Trinidad and Tobago	305	35	0	0	270	0	0	0	0
United States Virgin Islands	9	0	9	0	0	0	0	0	0
South America, total	6,031	541	1,470	0	656	0	403	2,931	30
Argentina	53	3	0	0	50	0	0	0	0
Brazil	4,721	306	898	0	556	0	0	2,931	30
Chile	302	0	0	0	50	0	252	0	0
Colombia	232	232	0	0	0	0	0	0	0
Peru	723	0	572	0	0	0	151	0	0
Asia, total	87,891	304	82,777	0	4,005	350	225	0	230
China	1,137	260	0	0	647	0	0	0	230
India	352	5	10	0	337	0	0	0	0
Indonesia	768	0	768	0	0	0	0	0	0
Israel	83,987	0	81,545	0	2,442	0	0	0	0
Japan	687	0	270	0	192	0	225	0	0
Kazakstan	50	0	50	0	0	0	0	0	0
Korea, Republic of	141	31	110	0	0	0	0	0	0
Philippines	2	0	2	0	0	0	0	0	0
Singapore	17	0	17	0	0	0	0	0	0
Syrian Arab Republic	5	0	5	0	0	0	0	0	0
Turkey	5	5	0	0	0	0	0	0	0
Turkmenistan	3	3	0	0	0	0	0	0	0
Viet Nam	217	0	0	0	217	0	0	0	0
Other Asia	520	0	0	0	170	350	0	0	0
Europe, total	152,950	774	99,386	539	24,576	0	19,114	5,164	3,397
Austria	2,314	0	58	0	41	0	0	2,213	2
Belgium	1,176	0	399	0	527	0	0	0	250
Bulgaria	2	2	0	0	0	0	0	0	0
Czech Republic	64	4	25	0	0	0	35	0	0
Denmark	1,366	6	295	0	996	0	0	50	19
Finland	1,366	16	0	0	1,320	0	30	0	0
France	17,876	13	13,666	0	1,633	0	851	1,626	87
Germany	6,184	0	4,345	0	994	0	0	845	0
Greece	100	100	0	0	0	0	0	0	0
Hungary	175	0	175	0	0	0	0	0	0
Ireland	14,516	0	11,942	0	2,504	0	70	0	0
Italy	5,686	0	570	281	660	0	4,065	0	110
Latvia	15	0	15	0	0	0	0	0	0
Lithuania	26	26	0	0	0	0	0	0	0
Netherlands	1,304	0	608	0	671	0	25	0	0
Norway	12,480	0	8,798	0	238	0	1,394	0	2,050
Poland	150	20	15	0	0	0	0	0	115
Russian Federation	7,516	59	6,649	0	0	0	578	0	230
Slovakia	20	20	0	0	0	0	0	0	0
Spain	11,788	4	39	0	368	0	11,377	0	0
Sweden	6,458	0	3,903	0	2,415	0	0	140	0
Switzerland	8,570	125	6,306	0	1,789	0	48	0	302
United Kingdom	52,954	343	41,265	258	9,925	0	641	290	232
Federal Rep. of Yugoslavia	9	9	0	0	0	0	0	0	0
Other Europe	835	27	313	0	495	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-80. Federal obligations for research and development to foreign performers, by region, country, and agency: fiscal year 2000

[Dollars in thousands]

Region and country	Total	USDA	DoD	DOE	HHS[1]	AID[2]	NASA[3]	NSF	Other[4]
Oceania, total	21,588	165	2,443	152	9,989	0	8,766	23	50
Australia	20,960	154	2,348	152	9,555	0	8,678	23	50
New Zealand	528	6	0	0	434	0	88	0	0
Tuvalu	95	0	95	0	0	0	0	0	0
Other Oceania	5	5	0	0	0	0	0	0	0
International Organizations	790	0	790	0	0	0	0	0	0

1 Beginning in fiscal year 2000, the National Institutes of Health in the Department of Health & Human Services classified all of its development activities as research.

2 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

3 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

4 Includes data for the Departments of Commerce, Interior, and Transportation; the Environmental Protection Agency; and the Nuclear Regulatory Commission.

KEY:
USDA = Department of Agriculture
DoD = Department of Defense
DOE = Department of Energy
HHS = Department of Health & Human Services
AID = Agency for International Development
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

Prior to the Vol. 48 survey cycle, the National Science Foundation's Division of Science Resources Statistics updated the list of foreign performers in the Federal funds survey to match the list of countries and territories in the 1996 UNESCO Statistical Yearbook.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-81. Federal obligations for basic research to foreign performers, by region, country, and agency: fiscal year 2000

[Dollars in thousands]

Region and country	Total	USDA	DoD	DOE	HHS[1]	DOT	EPA	NASA[2]	NSF
Total, all areas & organizations	106,900	1,730	28,472	952	40,742	1	95	22,976	11,932
Africa, total	2,840	125	0	0	2,659	0	0	56	0
Kenya	32	32	0	0	0	0	0	0	0
Mali	611	0	0	0	611	0	0	0	0
St. Helena	56	0	0	0	0	0	0	56	0
South Africa	2,141	93	0	0	2,048	0	0	0	0
North America, total	22,020	761	1,785	339	15,034	1	7	242	3,851
Bermuda	2,966	0	0	0	0	0	0	31	2,935
Canada	15,917	337	1,749	339	13,262	1	7	211	11
Costa Rica	1,131	187	0	0	944	0	0	0	0
Jamaica	589	0	0	0	589	0	0	0	0
Mexico	1,228	218	27	0	78	0	0	0	905
Trinidad and Tobago	180	19	0	0	161	0	0	0	0
United States Virgin Islands	9	0	9	0	0	0	0	0	0
South America, total	3,931	313	0	0	390	0	0	297	2,931
Argentina	32	2	0	0	30	0	0	0	0
Brazil	3,447	186	0	0	330	0	0	0	2,931
Chile	282	0	0	0	30	0	0	252	0
Colombia	125	125	0	0	0	0	0	0	0
Peru	45	0	0	0	0	0	0	45	0
Asia, total	3,710	141	1,088	0	2,379	0	27	75	0
China	547	135	0	0	385	0	27	0	0
India	213	3	10	0	200	0	0	0	0
Israel	2,378	0	928	0	1,450	0	0	0	0
Japan	334	0	145	0	114	0	0	75	0
Korea, Republic of	1	1	0	0	0	0	0	0	0
Syrian Arab Republic	5	0	5	0	0	0	0	0	0
Turkmenistan	2	2	0	0	0	0	0	0	0
Viet Nam	129	0	0	0	129	0	0	0	0
Other Asia	101	0	0	0	101	0	0	0	0
Europe, total	58,555	319	24,523	461	14,346	0	61	13,718	5,127
Austria	2,245	0	32	0	0	0	0	0	2,213
Belgium	473	0	160	0	313	0	0	0	0
Czech Republic	36	0	25	0	0	0	0	11	0
Denmark	656	3	10	0	591	0	2	0	50
Finland	793	0	0	0	784	0	0	9	0
France	16,086	0	13,583	0	745	0	0	132	1,626
Germany	1,905	0	493	0	590	0	0	0	822
Greece	54	54	0	0	0	0	0	0	0
Hungary	35	0	35	0	0	0	0	0	0
Ireland	1,587	0	91	0	1,487	0	0	9	0
Italy	2,172	0	262	281	392	0	13	1,224	0
Latvia	15	0	15	0	0	0	0	0	0
Netherlands	635	0	233	0	399	0	0	3	0
Norway	769	0	30	0	141	0	0	598	0
Poland	26	11	15	0	0	0	0	0	0
Russian Federation	6,491	13	6,305	0	0	0	0	173	0
Spain	11,597	2	0	0	218	0	0	11,377	0
Sweden	1,817	0	243	0	1,434	0	0	0	140
Switzerland	1,112	0	0	0	1,063	0	35	14	0
United Kingdom	9,748	227	2,991	180	5,895	0	11	168	276
Federal Rep. of Yugoslavia	9	9	0	0	0	0	0	0	0
Other Europe	294	0	0	0	294	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-81. Federal obligations for basic research to foreign performers, by region, country, and agency: fiscal year 2000

[Dollars in thousands]

Region and country	Total	USDA	DoD	DOE	HHS[1]	DOT	EPA	NASA[2]	NSF
Oceania, total	15,844	71	1,076	152	5,934	0	0	8,588	23
Australia	15,492	68	996	152	5,676	0	0	8,577	23
New Zealand	272	3	0	0	258	0	0	11	0
Tuvalu	80	0	80	0	0	0	0	0	0

1 Beginning in fiscal year 2000, the National Institutes of Health in the Department of Health & Human Services classified all of its development activities as research.

2 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY:
USDA = Department of Agriculture
DoD = Department of Defense
DOE = Department of Energy
HHS = Department of Health & Human Services
DoT = Department of Tranportation
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

Prior to the Vol. 48 survey cycle, the National Science Foundation's Division of Science Resources Statistics updated the list of foreign performers in the Federal funds survey to match the list of countries and territories in the 1996 UNESCO Statistical Yearbook.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-82. Federal obligations for research and development (R&D) and for R&D plant for selected agencies, by State: fiscal year 2000

[Dollars in thousands]

State	Total, R&D, and R&D plant	R&D	R&D plant
Total	75,750,751	71,261,475	4,489,276
Alabama	1,825,523	1,614,901	210,622
Alaska	147,072	146,777	295
Arizona	1,125,817	1,121,701	4,116
Arkansas	119,531	116,333	3,198
California	14,585,922	14,082,960	502,962
Colorado	1,404,361	1,369,733	34,628
Connecticut	897,269	806,228	91,041
Delaware	70,202	69,867	335
District of Columbia	2,404,641	2,374,647	29,994
Florida	2,454,511	2,216,206	238,305
Georgia	2,641,429	2,632,186	9,243
Hawaii	211,507	209,737	1,770
Idaho	244,086	216,928	27,158
Illinois	1,547,752	1,404,613	143,139
Indiana	518,490	506,326	12,164
Iowa	275,165	267,038	8,127
Kansas	226,498	223,493	3,005
Kentucky	206,415	203,851	2,564
Louisiana	260,737	249,045	11,692
Maine	251,292	249,812	1,480
Maryland	9,037,200	8,684,796	352,404
Massachusetts	4,187,098	4,145,472	41,626
Michigan	980,999	975,052	5,947
Minnesota	784,793	781,132	3,661
Mississippi	415,330	394,585	20,745
Missouri	893,743	890,597	3,146
Montana	97,409	95,025	2,384
Nebraska	101,915	98,491	3,424
Nevada	270,124	263,897	6,227
New Hampshire	361,016	356,873	4,143
New Jersey	1,984,153	1,937,769	46,384
New Mexico	2,252,723	2,130,504	122,219
New York	3,041,164	2,927,523	113,641
North Carolina	1,070,263	1,062,536	7,727
North Dakota	65,139	64,051	1,088
Ohio	1,867,801	1,799,136	68,665
Oklahoma	188,648	185,121	3,527
Oregon	472,216	468,167	4,049
Pennsylvania	2,420,867	2,357,552	63,315
Rhode Island	420,979	418,037	2,942
South Carolina	267,220	248,988	18,232
South Dakota	40,957	38,803	2,154
Tennessee	863,274	734,406	128,868
Texas	4,686,037	2,671,790	2,014,247
Utah	287,728	285,968	1,760
Vermont	74,156	72,030	2,126
Virginia	4,903,428	4,842,811	60,617
Washington	1,341,576	1,329,466	12,110
West Virginia	254,038	235,677	18,361
Wisconsin	431,308	420,839	10,469
Wyoming	36,000	35,059	941

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development (R&D) and for R&D plant for selected agencies, by State: fiscal year 2000

[Dollars in thousands]

State	Total, R&D, and R&D plant	R&D	R&D plant
Outlying areas	123,442	117,880	5,562
Puerto Rico	84,228	81,016	3,212
Other areas	39,214	36,864	2,350
Offices abroad	109,787	109,060	727

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 2000.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-83. Federal obligations for research and development for selected agencies, by State and performer: fiscal year 2000

[Dollars in thousands]

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Total	71,261,475	16,519,041	27,643,758	1,090,765	16,590,589	4,046,003	3,959,274	1,217,805	194,240
California	14,082,960	1,655,628	6,917,102	0	2,345,501	2,356,203	660,758	140,984	6,784
Maryland	8,684,796	4,869,668	2,371,166	208,586	1,007,659	0	224,341	40	3,336
Virginia	4,842,811	1,449,209	2,807,625	0	272,217	73,985	67,066	167,893	4,816
Massachusetts	4,145,472	259,172	1,673,263	0	979,704	182,671	967,591	80,746	2,325
New York	2,927,523	176,034	730,647	0	1,397,721	0	300,685	244,665	77,771
Texas	2,671,790	464,699	1,196,230	0	921,110	0	87,096	0	2,655
Georgia	2,632,186	273,713	1,990,999	0	346,638	0	16,730	0	4,106
District of Columbia	2,374,647	1,722,640	277,705	0	158,636	0	210,844	4,230	592
Pennsylvania	2,357,552	151,955	949,767	0	1,025,989	16,737	211,952	0	1,152
Florida	2,216,206	573,140	1,232,024	0	379,336	0	25,655	0	6,051
New Mexico	2,130,504	320,838	206,320	730,951	117,242	727,452	26,909	0	792
New Jersey	1,937,769	417,685	1,150,533	0	291,614	56,391	20,566	0	980
Ohio	1,799,136	615,458	554,622	0	461,264	0	165,582	0	2,210
Alabama	1,614,901	664,981	642,543	0	276,648	0	30,014	0	715
Illinois	1,404,613	85,344	145,672	0	631,281	444,575	91,525	0	6,216
Colorado	1,369,733	241,771	507,275	0	351,142	78,952	64,970	123,046	2,577
Washington	1,329,466	258,718	284,141	0	435,661	0	198,734	148,249	3,963
Arizona	1,121,701	145,601	705,666	0	213,757	37,690	14,504	0	4,483
North Carolina	1,062,536	262,003	100,803	0	628,208	0	71,230	0	292
Michigan	975,052	239,543	158,872	0	557,084	0	16,771	0	2,782
Missouri	890,597	43,851	417,238	0	396,351	0	32,084	0	1,073
Connecticut	806,228	19,373	421,158	0	330,744	0	29,661	0	5,292
Minnesota	781,132	32,014	364,837	0	250,830	0	128,542	0	4,909
Tennessee	734,406	88,947	53,986	0	236,800	10,151	35,888	307,952	682
Indiana	506,326	71,630	186,092	0	244,706	0	3,723	0	175
Oregon	468,167	88,618	124,574	0	213,668	0	30,465	0	10,842
Wisconsin	420,839	37,816	21,332	0	347,329	0	12,590	0	1,772
Rhode Island	418,037	240,862	56,005	0	80,225	0	40,269	0	676
Mississippi	394,585	186,799	104,886	0	94,574	0	7,926	0	400
New Hampshire	356,873	35,717	227,935	0	90,529	0	2,305	0	387
Utah	285,968	69,871	46,929	0	163,652	0	3,714	0	1,802
Iowa	267,038	34,586	19,948	0	188,719	19,873	3,170	0	742
Nevada	263,897	20,696	199,188	0	39,302	0	2,376	0	2,335
Maine	249,812	4,755	167,883	0	21,038	0	55,218	0	918
Louisiana	249,045	99,196	15,517	0	127,100	0	2,186	0	5,046
South Carolina	248,988	45,754	45,050	32,107	118,166	0	5,226	0	2,685
West Virginia	235,677	102,958	52,805	0	36,439	32,540	10,214	0	721
Kansas	223,493	20,162	104,423	0	92,477	0	1,591	0	4,840
Idaho	216,928	21,722	51,790	119,121	23,968	0	119	0	208
Hawaii	209,737	58,658	50,404	0	72,433	0	27,451	0	791
Kentucky	203,851	7,500	75,518	0	112,921	0	2,314	0	5,598
Oklahoma	185,121	58,619	41,660	0	68,449	0	15,646	0	747
Alaska	146,777	75,446	14,398	0	50,916	0	4,585	0	1,432
Arkansas	116,333	45,489	3,003	0	62,270	0	5,018	0	553
Nebraska	98,491	25,082	4,761	0	61,364	0	6,434	0	850
Montana	95,025	35,344	9,510	0	42,060	0	7,443	0	668
Vermont	72,030	3,599	11,521	0	55,612	0	988	0	310
Delaware	69,867	7,598	17,345	0	42,413	0	2,406	0	105
North Dakota	64,051	25,842	7,164	0	29,312	0	1,423	0	310
South Dakota	38,803	13,232	4,829	0	20,243	0	300	0	199
Wyoming	35,059	7,298	5,146	0	18,387	0	3,577	0	651

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development for selected agencies, by State and performer: fiscal year 2000

[Dollars in thousands]

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Outlying areas	117,880	24,075	23,291	0	58,909	8,783	899	0	1,923
Puerto Rico	81,016	9,125	8,217	0	52,591	8,783	899	0	1,401
Other areas	36,864	14,950	15,074	0	6,318	0	0	0	522
Offices abroad	109,060	18,132	90,657	0	271	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: FFRDCs = Federally funded research and development centers

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 2000.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-83a. Percentage distribution of Federal obligations for research and development to each performer for selected agencies, by State: fiscal year 2000

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	19.8	10.0	25.0	.0	14.1	58.2	16.7	11.6	3.5
Maryland	12.2	29.5	8.6	19.1	6.1	.0	5.7	*	1.7
Virginia	6.8	8.8	10.2	.0	1.6	1.8	1.7	13.8	2.5
Massachusetts	5.8	1.6	6.1	.0	5.9	4.5	24.4	6.6	1.2
New York	4.1	1.1	2.6	.0	8.4	.0	7.6	20.1	40.0
Texas	3.7	2.8	4.3	.0	5.6	.0	2.2	.0	1.4
Georgia	3.7	1.7	7.2	.0	2.1	.0	.4	.0	2.1
District of Columbia	3.3	10.4	1.0	.0	1.0	.0	5.3	.3	.3
Pennsylvania	3.3	.9	3.4	.0	6.2	.4	5.4	.0	.6
Florida	3.1	3.5	4.5	.0	2.3	.0	.6	.0	3.1
New Mexico	3.0	1.9	.7	67.0	.7	18.0	.7	.0	.4
New Jersey	2.7	2.5	4.2	.0	1.8	1.4	.5	.0	.5
Ohio	2.5	3.7	2.0	.0	2.8	.0	4.2	.0	1.1
Alabama	2.3	4.0	2.3	.0	1.7	.0	.8	.0	.4
Illinois	2.0	.5	.5	.0	3.8	11.0	2.3	.0	3.2
Colorado	1.9	1.5	1.8	.0	2.1	2.0	1.6	10.1	1.3
Washington	1.9	1.6	1.0	.0	2.6	.0	5.0	12.2	2.0
Arizona	1.6	.9	2.6	.0	1.3	.9	.4	.0	2.3
North Carolina	1.5	1.6	.4	.0	3.8	.0	1.8	.0	.2
Michigan	1.4	1.5	.6	.0	3.4	.0	.4	.0	1.4
Missouri	1.2	.3	1.5	.0	2.4	.0	.8	.0	.6
Connecticut	1.1	.1	1.5	.0	2.0	.0	.7	.0	2.7
Minnesota	1.1	.2	1.3	.0	1.5	.0	3.2	.0	2.5
Tennessee	1.0	.5	.2	.0	1.4	.3	.9	25.3	.4
Indiana	.7	.4	.7	.0	1.5	.0	.1	.0	.1
Oregon	.7	.5	.5	.0	1.3	.0	.8	.0	5.6
Wisconsin	.6	.2	.1	.0	2.1	.0	.3	.0	.9
Rhode Island	.6	1.5	.2	.0	.5	.0	1.0	.0	.3
Mississippi	.6	1.1	.4	.0	.6	.0	.2	.0	.2
New Hampshire	.5	.2	.8	.0	.5	.0	.1	.0	.2
Utah	.4	.4	.2	.0	1.0	.0	.1	.0	.9
Iowa	.4	.2	.1	.0	1.1	.5	.1	.0	.4
Nevada	.4	.1	.7	.0	.2	.0	.1	.0	1.2
Maine	.4	*	.6	.0	.1	.0	1.4	.0	.5
Louisiana	.3	.6	.1	.0	.8	.0	.1	.0	2.6
South Carolina	.3	.3	.2	2.9	.7	.0	.1	.0	1.4
West Virginia	.3	.6	.2	.0	.2	.8	.3	.0	.4
Kansas	.3	.1	.4	.0	.6	.0	*	.0	2.5
Idaho	.3	.1	.2	10.9	.1	.0	*	.0	.1
Hawaii	.3	.4	.2	.0	.4	.0	.7	.0	.4
Kentucky	.3	*	.3	.0	.7	.0	.1	.0	2.9
Oklahoma	.3	.4	.2	.0	.4	.0	.4	.0	.4
Alaska	.2	.5	.1	.0	.3	.0	.1	.0	.7
Arkansas	.2	.3	*	.0	.4	.0	.1	.0	.3
Nebraska	.1	.2	*	.0	.4	.0	.2	.0	.4
Montana	.1	.2	*	.0	.3	.0	.2	.0	.3
Vermont	.1	*	*	.0	.3	.0	*	.0	.2
Delaware	.1	*	.1	.0	.3	.0	.1	.0	.1
North Dakota	.1	.2	*	.0	.2	.0	*	.0	.2
South Dakota	.1	.1	*	.0	.1	.0	*	.0	.1
Wyoming	*	*	*	.0	.1	.0	.1	.0	.3

See explanatory information, if any, and SOURCE at end of table.

Table C-83a. Percentage distribution of Federal obligations for research and development to each performer for selected agencies, by State: fiscal year 2000

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Outlying areas	0.2	0.1	0.1	.0	0.4	0.2	*	0.0	1.0
Puerto Rico	.1	.1	*	.0	.3	.2	*	.0	.7
Other areas	.1	.1	.1	.0	*	.0	.0	.0	.3
Offices abroad	.2	.1	.3	.0	*	.0	.0	.0	.0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: * = Amount less than 0.5 percent
FFRDCs = Federally funded research and development centers

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 2000.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-83b. Percentage distribution of Federal obligations for research and development to each State for selected agencies, by performer: fiscal year 2000

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Total	100.0	23.2	38.8	1.5	23.3	5.7	5.6	1.7	0.3
California	100.0	11.8	49.1	.0	16.7	16.7	4.7	1.0	*
Maryland	100.0	56.1	27.3	2.4	11.6	.0	2.6	*	*
Virginia	100.0	29.9	58.0	.0	5.6	1.5	1.4	3.5	.1
Massachusetts	100.0	6.3	40.4	.0	23.6	4.4	23.3	1.9	.1
New York	100.0	6.0	25.0	.0	47.7	.0	10.3	8.4	2.7
Texas	100.0	17.4	44.8	.0	34.5	.0	3.3	.0	.1
Georgia	100.0	10.4	75.6	.0	13.2	.0	.6	.0	.2
District of Columbia	100.0	72.5	11.7	.0	6.7	.0	8.9	.2	*
Pennsylvania	100.0	6.4	40.3	.0	43.5	.7	9.0	.0	*
Florida	100.0	25.9	55.6	.0	17.1	.0	1.2	.0	.3
New Mexico	100.0	15.1	9.7	34.3	5.5	34.1	1.3	.0	*
New Jersey	100.0	21.6	59.4	.0	15.0	2.9	1.1	.0	.1
Ohio	100.0	34.2	30.8	.0	25.6	.0	9.2	.0	.1
Alabama	100.0	41.2	39.8	.0	17.1	.0	1.9	.0	*
Illinois	100.0	6.1	10.4	.0	44.9	31.7	6.5	.0	.4
Colorado	100.0	17.7	37.0	.0	25.6	5.8	4.7	9.0	.2
Washington	100.0	19.5	21.4	.0	32.8	.0	14.9	11.2	.3
Arizona	100.0	13.0	62.9	.0	19.1	3.4	1.3	.0	.4
North Carolina	100.0	24.7	9.5	.0	59.1	.0	6.7	.0	*
Michigan	100.0	24.6	16.3	.0	57.1	.0	1.7	.0	.3
Missouri	100.0	4.9	46.8	.0	44.5	.0	3.6	.0	.1
Connecticut	100.0	2.4	52.2	.0	41.0	.0	3.7	.0	.7
Minnesota	100.0	4.1	46.7	.0	32.1	.0	16.5	.0	.6
Tennessee	100.0	12.1	7.4	.0	32.2	1.4	4.9	41.9	.1
Indiana	100.0	14.1	36.8	.0	48.3	.0	.7	.0	*
Oregon	100.0	18.9	26.6	.0	45.6	.0	6.5	.0	2.3
Wisconsin	100.0	9.0	5.1	.0	82.5	.0	3.0	.0	.4
Rhode Island	100.0	57.6	13.4	.0	19.2	.0	9.6	.0	.2
Mississippi	100.0	47.3	26.6	.0	24.0	.0	2.0	.0	.1
New Hampshire	100.0	10.0	63.9	.0	25.4	.0	.6	.0	.1
Utah	100.0	24.4	16.4	.0	57.2	.0	1.3	.0	.6
Iowa	100.0	13.0	7.5	.0	70.7	7.4	1.2	.0	.3
Nevada	100.0	7.8	75.5	.0	14.9	.0	.9	.0	.9
Maine	100.0	1.9	67.2	.0	8.4	.0	22.1	.0	.4
Louisiana	100.0	39.8	6.2	.0	51.0	.0	.9	.0	2.0
South Carolina	100.0	18.4	18.1	12.9	47.5	.0	2.1	.0	1.1
West Virginia	100.0	43.7	22.4	.0	15.5	13.8	4.3	.0	.3
Kansas	100.0	9.0	46.7	.0	41.4	.0	.7	.0	2.2
Idaho	100.0	10.0	23.9	54.9	11.0	.0	.1	.0	.1
Hawaii	100.0	28.0	24.0	.0	34.5	.0	13.1	.0	.4
Kentucky	100.0	3.7	37.0	.0	55.4	.0	1.1	.0	2.7
Oklahoma	100.0	31.7	22.5	.0	37.0	.0	8.5	.0	.4
Alaska	100.0	51.4	9.8	.0	34.7	.0	3.1	.0	1.0
Arkansas	100.0	39.1	2.6	.0	53.5	.0	4.3	.0	.5
Nebraska	100.0	25.5	4.8	.0	62.3	.0	6.5	.0	.9
Montana	100.0	37.2	10.0	.0	44.3	.0	7.8	.0	.7
Vermont	100.0	5.0	16.0	.0	77.2	.0	1.4	.0	.4
Delaware	100.0	10.9	24.8	.0	60.7	.0	3.4	.0	.2
North Dakota	100.0	40.3	11.2	.0	45.8	.0	2.2	.0	.5
South Dakota	100.0	34.1	12.4	.0	52.2	.0	.8	.0	.5
Wyoming	100.0	20.8	14.7	.0	52.4	.0	10.2	.0	1.9

See explanatory information, if any, and SOURCE at end of table.

Table C-83b. Percentage distribution of Federal obligations for research and development to each State for selected agencies, by performer: fiscal year 2000

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Outlying areas	100.0	20.4	19.8	.0	50.0	7.5	0.8	0.0	1.6
Puerto Rico	100.0	11.3	10.1	.0	64.9	10.8	1.1	.0	1.7
Other areas	100.0	40.6	40.9	.0	17.1	.0	.0	.0	1.4
Offices abroad	100.0	16.6	83.1	.0	.2	.0	.0	.0	.0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: * = Amount less than 0.5 percent
FFRDCs = Federally funded research and development centers

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 2000.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-84. Federal obligations for research and development, by State and selected agency: fiscal year 2000

[Dollars in thousands]

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services[1]	Dept of the Interior	Dept of Transportation	EPA	NASA[2]	National Science Foundation
Total	71,261,475	1,743,360	1,036,427	32,962,410	6,061,109	18,356,998	578,148	466,938	501,346	6,841,297	2,713,442
California	14,082,960	99,143	85,411	7,716,735	1,282,758	2,020,046	84,421	24,716	16,283	2,326,369	427,078
Maryland	8,684,796	142,708	359,852	2,847,470	52,737	3,880,234	14,123	26,133	13,081	1,265,064	83,394
Virginia	4,842,811	10,539	11,552	3,782,869	80,667	227,339	98,012	42,691	5,557	499,555	84,030
Massachusetts	4,145,472	26,069	33,388	2,064,687	77,252	1,513,791	18,846	43,081	16,247	156,139	195,972
New York	2,927,523	44,300	17,856	580,745	573,683	1,422,517	5,635	6,467	11,137	54,946	210,237
Texas	2,671,790	76,169	13,378	950,715	31,870	751,167	9,949	4,660	5,640	750,476	77,766
Georgia	2,632,186	61,418	4,413	2,040,810	10,822	422,389	6,325	1,507	9,617	18,051	56,834
District of Columbia	2,374,647	188,302	15,672	1,041,520	315,746	284,305	2,369	136,732	139,596	188,517	61,888
Pennsylvania	2,357,552	50,089	4,608	839,795	349,400	949,599	5,015	2,890	5,619	37,055	113,482
Florida	2,216,206	47,582	44,352	1,586,843	12,696	222,464	23,071	1,800	11,792	191,299	74,307
New Mexico	2,130,504	8,919	1,821	627,933	1,353,161	73,532	4,193	8,082	3,302	30,217	19,344
New Jersey	1,937,769	11,152	27,059	1,472,098	73,198	187,385	4,567	60,839	4,639	31,890	64,942
Ohio	1,799,136	22,211	8,276	835,478	19,285	476,335	3,276	16,605	57,194	307,832	52,644
Alabama	1,614,901	21,313	2,258	1,021,088	17,555	204,148	2,347	2,987	4,064	326,288	12,853
Illinois	1,404,613	50,986	7,077	136,339	495,098	551,021	2,631	5,801	1,209	16,985	137,466
Colorado	1,369,733	37,415	94,521	439,400	140,338	252,432	92,471	12,437	7,503	160,576	132,640
Washington	1,329,466	43,170	106,970	384,329	158,056	527,280	16,310	1,312	9,299	26,795	55,945
Arizona	1,121,701	27,087	3,082	771,429	4,263	128,350	9,190	1,103	969	80,907	95,321
North Carolina	1,062,536	42,249	11,134	139,236	13,904	680,690	3,985	2,049	87,559	21,107	60,623
Michigan	975,052	23,893	23,466	375,039	20,230	398,100	5,625	5,916	5,540	20,636	96,607
Missouri	890,597	30,023	432	433,960	9,193	363,082	13,225	1,289	965	14,765	23,663
Connecticut	806,228	7,656	8,146	374,777	27,374	325,210	946	12,832	1,726	21,027	26,534
Minnesota	781,132	32,652	7,046	389,613	10,719	280,240	3,701	2,364	11,419	7,580	35,798
Tennessee	734,406	9,391	1,785	121,858	316,099	223,374	4,784	4,598	464	32,534	19,519
Indiana	506,326	21,726	1,036	263,699	16,831	134,987	2,486	220	689	7,180	57,472
Oregon	468,167	39,801	23,037	30,653	35,945	265,799	8,871	77	17,770	13,266	32,948
Wisconsin	420,839	43,634	3,696	20,929	23,578	244,867	9,938	2,353	1,989	15,731	54,124
Rhode Island	418,037	2,046	3,925	296,620	3,034	78,058	1,941	118	8,371	3,774	20,150
Mississippi	394,585	73,449	6,232	188,460	2,252	34,004	4,943	136	1,078	73,532	10,499
New Hampshire	356,873	7,428	8,187	250,917	1,128	55,925	1,473	2,995	951	14,372	13,497
Utah	285,968	16,348	1,482	103,508	7,929	114,817	5,184	1,047	942	10,363	24,348
Iowa	267,038	49,985	24	16,608	26,476	135,792	1,869	8,345	247	8,924	18,768
Nevada	263,897	2,761	123	29,254	173,172	26,694	4,262	1,472	11,703	3,144	11,312
Maine	249,812	5,255	2,355	176,999	803	50,523	2,457	315	193	1,563	9,349
Louisiana	249,045	42,527	8,943	66,807	3,903	84,199	14,864	128	3,559	6,839	17,276
South Carolina	248,988	16,439	15,569	74,317	41,521	74,180	3,653	920	567	3,135	18,687
West Virginia	235,677	25,298	667	32,303	64,526	51,670	5,495	750	2,999	16,710	35,259
Kansas	223,493	17,236	2	54,980	8,173	114,896	2,511	4,268	1,120	4,865	15,442
Idaho	216,928	21,878	1,005	14,845	162,689	4,559	4,515	1,414	249	912	4,862
Hawaii	209,737	24,217	14,059	74,600	5,465	44,730	7,324	0	64	19,493	19,785
Kentucky	203,851	10,655	2	19,132	5,080	148,632	1,530	218	290	4,561	13,751
Oklahoma	185,121	20,114	7,298	57,115	13,100	47,579	2,156	9,644	9,462	3,370	15,283
Alaska	146,777	14,478	34,827	26,848	935	10,647	22,406	0	95	16,694	19,847
Arkansas	116,333	38,044	0	4,453	100	65,497	1,968	0	156	1,291	4,824
Nebraska	98,491	32,360	1,323	5,293	2,745	40,301	2,823	19	548	1,668	11,411
Montana	95,025	23,617	585	11,752	998	31,041	7,113	450	1,412	7,041	11,016
Vermont	72,030	6,541	57	11,205	750	46,436	872	0	763	1,049	4,357
Delaware	69,867	6,295	5,081	22,262	1,782	14,319	621	263	207	4,656	14,381
North Dakota	64,051	29,418	678	2,711	6,822	10,736	3,061	0	3,639	1,948	5,038
South Dakota	38,803	8,419	383	1,340	205	8,760	6,805	21	0	5,232	7,638
Wyoming	35,059	9,230	25	1,176	4,936	4,633	2,723	2,703	577	591	8,465

See explanatory information, if any, and SOURCE at end of table.

Table C-84. Federal obligations for research and development, by State and selected agency: fiscal year 2000

[Dollars in thousands]

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services[1]	Dept of the Interior	Dept of Transportation	EPA	NASA[2]	National Science Foundation
Outlying areas	117,880	15,878	1,864	24,052	127	47,687	9,267	171	1,285	2,783	14,766
Puerto Rico	81,016	11,416	1,517	1,265	127	47,071	1,526	168	523	2,783	14,620
Other areas	36,864	4,462	347	22,787	0	616	7,741	3	762	0	146
Offices abroad	109,060	3,847	407	104,806	0	0	0	0	0	0	0

[1] Beginning in fiscal year 2000, the National Institutes of Health in the Department of Health & Human Services classified all of its development activities as research.

[2] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 2000.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-84a. Percentage distribution of Federal obligations for research and development of each selected agency, by State: fiscal year 2000

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services[1]	Dept of the Interior	Dept of Transportation	EPA	NASA[2]	National Science Foundation
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	19.8	5.7	8.2	23.4	21.2	11.0	14.6	5.3	3.2	34.0	15.7
Maryland	12.2	8.2	34.7	8.6	.9	21.1	2.4	5.6	2.6	18.5	3.1
Virginia	6.8	.6	1.1	11.5	1.3	1.2	17.0	9.1	1.1	7.3	3.1
Massachusetts	5.8	1.5	3.2	6.3	1.3	8.2	3.3	9.2	3.2	2.3	7.2
New York	4.1	2.5	1.7	1.8	9.5	7.7	1.0	1.4	2.2	.8	7.7
Texas	3.7	4.4	1.3	2.9	.5	4.1	1.7	1.0	1.1	11.0	2.9
Georgia	3.7	3.5	.4	6.2	.2	2.3	1.1	.3	1.9	.3	2.1
District of Columbia	3.3	10.8	1.5	3.2	5.2	1.5	.4	29.3	27.8	2.8	2.3
Pennsylvania	3.3	2.9	.4	2.5	5.8	5.2	.9	.6	1.1	.5	4.2
Florida	3.1	2.7	4.3	4.8	.2	1.2	4.0	.4	2.4	2.8	2.7
New Mexico	3.0	.5	.2	1.9	22.3	.4	.7	1.7	.7	.4	.7
New Jersey	2.7	.6	2.6	4.5	1.2	1.0	.8	13.0	.9	.5	2.4
Ohio	2.5	1.3	.8	2.5	.3	2.6	.6	3.6	11.4	4.5	1.9
Alabama	2.3	1.2	.2	3.1	.3	1.1	.4	.6	.8	4.8	.5
Illinois	2.0	2.9	.7	.4	8.2	3.0	.5	1.2	.2	.2	5.1
Colorado	1.9	2.1	9.1	1.3	2.3	1.4	16.0	2.7	1.5	2.3	4.9
Washington	1.9	2.5	10.3	1.2	2.6	2.9	2.8	.3	1.9	.4	2.1
Arizona	1.6	1.6	.3	2.3	.1	.7	1.6	.2	.2	1.2	3.5
North Carolina	1.5	2.4	1.1	.4	.2	3.7	.7	.4	17.5	.3	2.2
Michigan	1.4	1.4	2.3	1.1	.3	2.2	1.0	1.3	1.1	.3	3.6
Missouri	1.2	1.7	*	1.3	.2	2.0	2.3	.3	.2	.2	.9
Connecticut	1.1	.4	.8	1.1	.5	1.8	.2	2.7	.3	.3	1.0
Minnesota	1.1	1.9	.7	1.2	.2	1.5	.6	.5	2.3	.1	1.3
Tennessee	1.0	.5	.2	.4	5.2	1.2	.8	1.0	.1	.5	.7
Indiana	.7	1.2	.1	.8	.3	.7	.4	*	.1	.1	2.1
Oregon	.7	2.3	2.2	.1	.6	1.4	1.5	*	3.5	.2	1.2
Wisconsin	.6	2.5	.4	.1	.4	1.3	1.7	.5	.4	.2	2.0
Rhode Island	.6	.1	.4	.9	.1	.4	.3	*	1.7	.1	.7
Mississippi	.6	4.2	.6	.6	*	.2	.9	*	.2	1.1	.4
New Hampshire	.5	.4	.8	.8	*	.3	.3	.6	.2	.2	.5
Utah	.4	.9	.1	.3	.1	.6	.9	.2	.2	.2	.9
Iowa	.4	2.9	*	.1	.4	.7	.3	1.8	*	.1	.7
Nevada	.4	.2	*	.1	2.9	.1	.7	.3	2.3	*	.4
Maine	.4	.3	.2	.5	*	.3	.4	.1	*	*	.3
Louisiana	.3	2.4	.9	.2	.1	.5	2.6	*	.7	.1	.6
South Carolina	.3	.9	1.5	.2	.7	.4	.6	.2	.1	*	.7
West Virginia	.3	1.5	.1	.1	1.1	.3	1.0	.2	.6	.2	1.3
Kansas	.3	1.0	*	.2	.1	.6	.4	.9	.2	.1	.6
Idaho	.3	1.3	.1	*	2.7	*	.8	.3	*	*	.2
Hawaii	.3	1.4	1.4	.2	.1	.2	1.3	.0	*	.3	.7
Kentucky	.3	.6	*	.1	.1	.8	.3	*	.1	.1	.5
Oklahoma	.3	1.2	.7	.2	.2	.3	.4	2.1	1.9	*	.6
Alaska	.2	.8	3.4	.1	*	.1	3.9	.0	*	.2	.7
Arkansas	.2	2.2	.0	*	*	.4	.3	.0	*	*	.2
Nebraska	.1	1.9	.1	*	*	.2	.5	*	.1	*	.4
Montana	.1	1.4	.1	*	*	.2	1.2	.1	.3	.1	.4
Vermont	.1	.4	*	*	*	.3	.2	.0	.2	*	.2
Delaware	.1	.4	.5	.1	*	.1	.1	.1	*	.1	.5
North Dakota	.1	1.7	.1	*	.1	.1	.5	.0	.7	*	.2
South Dakota	.1	.5	*	*	*	*	1.2	*	.0	.1	.3
Wyoming	*	.5	*	*	.1	*	.5	.6	.1	*	.3

See explanatory information, if any, and SOURCE at end of table.

Table C-84a. Percentage distribution of Federal obligations for research and development of each selected agency, by State: fiscal year 2000

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services[1]	Dept of the Interior	Dept of Transportation	EPA	NASA[2]	National Science Foundation
Outlying areas	0.2	0.9	0.2	0.1	*	0.3	1.6	*	0.3	*	0.5
Puerto Rico	.1	.7	.1	*	*	.3	.3	*	.1	*	.5
Other areas	.1	.3	*	.1	.0	*	1.3	*	.2	.0	*
Offices abroad	.2	.2	*	.3	.0	.0	.0	.0	.0	.0	.0

1 Beginning in fiscal year 2000, the National Institutes of Health in the Department of Health & Human Services classified all of its development activities as research.

2 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY:
* = Amount less than 0.5 percent
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 2000.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-84b. Percentage distribution of Federal obligations for research and development of each State, by selected agency: fiscal year 2000

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services[1]	Dept of the Interior	Dept of Transportation	EPA	NASA[2]	National Science Foundation
Total	100.0	2.4	1.5	46.3	8.5	25.8	0.8	0.7	0.7	9.6	3.8
California	100.0	.7	.6	54.8	9.1	14.3	.6	.2	.1	16.5	3.0
Maryland	100.0	1.6	4.1	32.8	.6	44.7	.2	.3	.2	14.6	1.0
Virginia	100.0	.2	.2	78.1	1.7	4.7	2.0	.9	.1	10.3	1.7
Massachusetts	100.0	.6	.8	49.8	1.9	36.5	.5	1.0	.4	3.8	4.7
New York	100.0	1.5	.6	19.8	19.6	48.6	.2	.2	.4	1.9	7.2
Texas	100.0	2.9	.5	35.6	1.2	28.1	.4	.2	.2	28.1	2.9
Georgia	100.0	2.3	.2	77.5	.4	16.0	.2	.1	.4	.7	2.2
District of Columbia	100.0	7.9	.7	43.9	13.3	12.0	.1	5.8	5.9	7.9	2.6
Pennsylvania	100.0	2.1	.2	35.6	14.8	40.3	.2	.1	.2	1.6	4.8
Florida	100.0	2.1	2.0	71.6	.6	10.0	1.0	.1	.5	8.6	3.4
New Mexico	100.0	.4	.1	29.5	63.5	3.5	.2	.4	.2	1.4	.9
New Jersey	100.0	.6	1.4	76.0	3.8	9.7	.2	3.1	.2	1.6	3.4
Ohio	100.0	1.2	.5	46.4	1.1	26.5	.2	.9	3.2	17.1	2.9
Alabama	100.0	1.3	.1	63.2	1.1	12.6	.1	.2	.3	20.2	.8
Illinois	100.0	3.6	.5	9.7	35.2	39.2	.2	.4	.1	1.2	9.8
Colorado	100.0	2.7	6.9	32.1	10.2	18.4	6.8	.9	.5	11.7	9.7
Washington	100.0	3.2	8.0	28.9	11.9	39.7	1.2	.1	.7	2.0	4.2
Arizona	100.0	2.4	.3	68.8	.4	11.4	.8	.1	.1	7.2	8.5
North Carolina	100.0	4.0	1.0	13.1	1.3	64.1	.4	.2	8.2	2.0	5.7
Michigan	100.0	2.5	2.4	38.5	2.1	40.8	.6	.6	.6	2.1	9.9
Missouri	100.0	3.4	*	48.7	1.0	40.8	1.5	.1	.1	1.7	2.7
Connecticut	100.0	.9	1.0	46.5	3.4	40.3	.1	1.6	.2	2.6	3.3
Minnesota	100.0	4.2	.9	49.9	1.4	35.9	.5	.3	1.5	1.0	4.6
Tennessee	100.0	1.3	.2	16.6	43.0	30.4	.7	.6	.1	4.4	2.7
Indiana	100.0	4.3	.2	52.1	3.3	26.7	.5	*	.1	1.4	11.4
Oregon	100.0	8.5	4.9	6.5	7.7	56.8	1.9	*	3.8	2.8	7.0
Wisconsin	100.0	10.4	.9	5.0	5.6	58.2	2.4	.6	.5	3.7	12.9
Rhode Island	100.0	.5	.9	71.0	.7	18.7	.5	*	2.0	.9	4.8
Mississippi	100.0	18.6	1.6	47.8	.6	8.6	1.3	*	.3	18.6	2.7
New Hampshire	100.0	2.1	2.3	70.3	.3	15.7	.4	.8	.3	4.0	3.8
Utah	100.0	5.7	.5	36.2	2.8	40.2	1.8	.4	.3	3.6	8.5
Iowa	100.0	18.7	*	6.2	9.9	50.9	.7	3.1	.1	3.3	7.0
Nevada	100.0	1.0	*	11.1	65.6	10.1	1.6	.6	4.4	1.2	4.3
Maine	100.0	2.1	.9	70.9	.3	20.2	1.0	.1	.1	.6	3.7
Louisiana	100.0	17.1	3.6	26.8	1.6	33.8	6.0	.1	1.4	2.7	6.9
South Carolina	100.0	6.6	6.3	29.8	16.7	29.8	1.5	.4	.2	1.3	7.5
West Virginia	100.0	10.7	.3	13.7	27.4	21.9	2.3	.3	1.3	7.1	15.0
Kansas	100.0	7.7	*	24.6	3.7	51.4	1.1	1.9	.5	2.2	6.9
Idaho	100.0	10.1	.5	6.8	75.0	2.1	2.1	.7	.1	.4	2.2
Hawaii	100.0	11.5	6.7	35.6	2.6	21.3	3.5	.0	*	9.3	9.4
Kentucky	100.0	5.2	*	9.4	2.5	72.9	.8	.1	.1	2.2	6.7
Oklahoma	100.0	10.9	3.9	30.9	7.1	25.7	1.2	5.2	5.1	1.8	8.3
Alaska	100.0	9.9	23.7	18.3	.6	7.3	15.3	.0	.1	11.4	13.5
Arkansas	100.0	32.7	.0	3.8	.1	56.3	1.7	.0	.1	1.1	4.1
Nebraska	100.0	32.9	1.3	5.4	2.8	40.9	2.9	*	.6	1.7	11.6
Montana	100.0	24.9	.6	12.4	1.1	32.7	7.5	.5	1.5	7.4	11.6
Vermont	100.0	9.1	.1	15.6	1.0	64.5	1.2	.0	1.1	1.5	6.0
Delaware	100.0	9.0	7.3	31.9	2.6	20.5	.9	.4	.3	6.7	20.6
North Dakota	100.0	45.9	1.1	4.2	10.7	16.8	4.8	.0	5.7	3.0	7.9
South Dakota	100.0	21.7	1.0	3.5	.5	22.6	17.5	.1	.0	13.5	19.7
Wyoming	100.0	26.3	.1	3.4	14.1	13.2	7.8	7.7	1.6	1.7	24.1

See explanatory information, if any, and SOURCE at end of table.

Table C-84b. Percentage distribution of Federal obligations for research and development of each State, by selected agency: fiscal year 2000

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services[1]	Dept of the Interior	Dept of Transportation	EPA	NASA[2]	National Science Foundation
Outlying areas	100.0	13.5	1.6	20.4	0.1	40.5	7.9	0.1	1.1	2.4	12.5
Puerto Rico	100.0	14.1	1.9	1.6	.2	58.1	1.9	.2	.6	3.4	18.0
Other areas	100.0	12.1	.9	61.8	.0	1.7	21.0	*	2.1	.0	.4
Offices abroad	100.0	3.5	.4	96.1	.0	.0	.0	.0	.0	.0	.0

1 Beginning in fiscal year 2000, the National Institutes of Health in the Department of Health & Human Services classified all of its development activities as research.

2 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY:
* = Amount less than 0.5 percent
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 2000.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Alabama, total	1,614,901	664,981	642,543	0	276,648	0	30,014	0	715
Department of Agriculture	21,313	6,793	0	0	14,520	0	0	0	0
Department of Commerce	2,258	100	1,423	0	373	0	362	0	0
Department of Defense, research [2]	105,227	49,486	48,015	0	5,643	0	2,083	0	0
Department of Defense, total development [3]	915,861	389,293	517,763	0	7,324	0	1,481	0	0
Department of Energy	17,555	0	10,661	0	6,894	0	0	0	0
Department of Health & Human Svcs [4]	204,148	1,237	3,648	0	182,662	0	16,540	0	61
Department of the Interior	2,347	2,099	4	0	141	0	0	0	103
Department of Transportation	2,987	502	624	0	1,811	0	0	0	50
Environmental Protection Agency	4,064	0	0	0	1,526	0	2,157	0	381
National Aero and Space Admin [5]	326,288	215,471	59,097	0	44,401	0	7,199	0	120
National Science Foundation	12,853	0	1,308	0	11,353	0	192	0	0
Alaska, total	146,777	75,446	14,398	0	50,916	0	4,585	0	1,432
Department of Agriculture	14,478	9,178	0	0	5,001	0	0	0	299
Department of Commerce	34,827	30,882	202	0	3,743	0	0	0	0
Department of Defense, research [2]	4,866	744	6	0	4,111	0	5	0	0
Department of Defense, total development [3]	21,982	11,262	10,700	0	20	0	0	0	0
Department of Energy	935	0	403	0	282	0	0	0	250
Department of Health & Human Svcs [4]	10,647	5,582	666	0	3,367	0	825	0	207
Department of the Interior	22,406	17,648	1,796	0	2,275	0	11	0	676
Environmental Protection Agency	95	0	0	0	45	0	50	0	0
National Aero and Space Admin [5]	16,694	150	169	0	15,209	0	1,166	0	0
National Science Foundation	19,847	0	456	0	16,863	0	2,528	0	0
Arizona, total	1,121,701	145,601	705,666	0	213,757	37,690	14,504	0	4,483
Department of Agriculture	27,087	17,478	0	0	9,563	0	36	0	10
Department of Commerce	3,082	19	2,515	0	548	0	0	0	0
Department of Defense, research [2]	80,662	15,073	39,166	0	26,412	0	11	0	0
Department of Defense, total development [3]	690,767	95,533	591,691	0	1,101	0	0	0	2,442
Department of Energy	4,263	0	0	0	4,263	0	0	0	0
Department of Health & Human Svcs [4]	128,350	4,900	20,922	0	91,931	0	8,962	0	1,635
Department of the Interior	9,190	7,320	102	0	1,623	0	0	0	145
Department of Transportation	1,103	278	800	0	0	0	0	0	25
Environmental Protection Agency	969	0	0	0	969	0	0	0	0
National Aero and Space Admin [5]	80,907	4,600	48,319	0	22,672	0	5,090	0	226
National Science Foundation	95,321	400	2,151	0	54,675	37,690	405	0	0
Arkansas, total	116,333	45,489	3,003	0	62,270	0	5,018	0	553
Department of Agriculture	38,044	20,326	0	0	17,563	0	155	0	0
Department of Defense, research [2]	3,284	0	613	0	2,671	0	0	0	0
Department of Defense, total development [3]	1,169	70	1,099	0	0	0	0	0	0
Department of Energy	100	0	0	0	100	0	0	0	0
Department of Health & Human Svcs [4]	65,497	23,409	921	0	35,789	0	4,863	0	515
Department of the Interior	1,968	1,684	5	0	241	0	0	0	38
Environmental Protection Agency	156	0	0	0	156	0	0	0	0
National Aero and Space Admin [5]	1,291	0	265	0	1,026	0	0	0	0
National Science Foundation	4,824	0	100	0	4,724	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
California, total	14,082,960	1,655,628	6,917,102	0	2,345,501	2,356,203	660,758	140,984	6,784
Department of Agriculture	99,143	70,055	159	0	28,009	0	842	0	78
Department of Commerce	85,411	20,996	55,983	0	7,894	0	528	0	10
Department of Defense, research [2]	789,312	181,066	340,670	0	224,603	13,808	19,977	9,168	20
Department of Defense, total development [3]	6,927,423	1,081,178	5,643,490	0	43,168	37,544	10,516	111,467	60
Department of Energy	1,282,758	9,001	64,332	0	118,949	1,070,058	20,418	0	0
Department of Health & Human Svcs [4]	2,020,046	6,749	110,728	0	1,342,379	37,850	500,033	20,163	2,144
Department of the Interior	84,421	74,745	1,033	0	8,140	0	60	0	443
Department of Transportation	24,716	1,305	17,798	0	4,288	450	0	0	875
Environmental Protection Agency	16,283	0	889	0	11,240	0	2,272	0	1,882
National Aero and Space Admin [5]	2,326,369	210,484	665,871	0	165,367	1,195,894	87,481	0	1,272
National Science Foundation	427,078	49	16,149	0	391,464	599	18,631	186	0
Colorado, total	1,369,733	241,771	507,275	0	351,142	78,952	64,970	123,046	2,577
Department of Agriculture	37,415	26,564	11	0	10,767	0	73	0	0
Department of Commerce	94,521	84,013	3,758	0	6,375	0	0	5	370
Department of Defense, research [2]	59,742	6,000	32,316	0	19,298	52	2,076	0	0
Department of Defense, total development [3]	379,658	15,632	358,133	0	3,514	0	2,379	0	0
Department of Energy	140,338	2,913	2,196	0	9,152	0	3,036	123,041	0
Department of Health & Human Svcs [4]	252,432	9,771	10,464	0	185,537	0	45,414	0	1,246
Department of the Interior	92,471	89,167	200	0	2,281	0	304	0	519
Department of Transportation	12,437	200	5,685	0	0	6,426	0	0	126
Environmental Protection Agency	7,503	0	1,320	0	1,615	0	4,343	0	225
National Aero and Space Admin [5]	160,576	7,412	84,003	0	62,616	302	6,243	0	0
National Science Foundation	132,640	99	9,189	0	49,987	72,172	1,102	0	91
Connecticut, total	806,228	19,373	421,158	0	330,744	0	29,661	0	5,292
Department of Agriculture	7,656	2,789	0	0	3,928	0	0	0	939
Department of Commerce	8,146	1,078	4,040	0	2,590	0	0	0	438
Department of Defense, research [2]	40,580	979	28,489	0	8,872	0	2,240	0	0
Department of Defense, total development [3]	334,197	1,964	329,560	0	471	0	2,202	0	0
Department of Energy	27,374	0	17,326	0	10,048	0	0	0	0
Department of Health & Human Svcs [4]	325,210	23	22,327	0	275,209	0	24,288	0	3,363
Department of the Interior	946	779	7	0	160	0	0	0	0
Department of Transportation	12,832	11,761	1,062	0	0	0	0	0	9
Environmental Protection Agency	1,726	0	225	0	958	0	0	0	543
National Aero and Space Admin [5]	21,027	0	16,094	0	4,026	0	907	0	0
National Science Foundation	26,534	0	2,028	0	24,482	0	24	0	0
Delaware, total	69,867	7,598	17,345	0	42,413	0	2,406	0	105
Department of Agriculture	6,295	1,416	0	0	4,853	0	0	0	26
Department of Commerce	5,081	718	1,013	0	3,350	0	0	0	0
Department of Defense, research [2]	14,370	0	8,021	0	6,256	0	93	0	0
Department of Defense, total development [3]	7,892	4,946	2,575	0	371	0	0	0	0
Department of Energy	1,782	0	0	0	1,782	0	0	0	0
Department of Health & Human Svcs [4]	14,319	7	2,141	0	11,592	0	579	0	0
Department of the Interior	621	511	0	0	110	0	0	0	0
Department of Transportation	263	0	63	0	200	0	0	0	0
Environmental Protection Agency	207	0	70	0	58	0	0	0	79
National Aero and Space Admin [5]	4,656	0	1,866	0	1,904	0	886	0	0
National Science Foundation	14,381	0	1,596	0	11,937	0	848	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
District of Columbia, total	2,374,647	1,722,640	277,705	0	158,636	0	210,844	4,230	592
Department of Agriculture	188,302	173,846	12,216	0	874	0	1,195	0	171
Department of Commerce	15,672	14,289	233	0	625	0	525	0	0
Department of Defense, research [2]	281,362	221,378	40,367	0	14,856	0	4,761	0	0
Department of Defense, total development [3]	760,158	611,934	127,025	0	18,472	0	2,727	0	0
Department of Energy	315,746	299,999	4,173	0	1,197	0	10,377	0	0
Department of Health & Human Svcs [4]	284,305	53,418	24,217	0	107,259	0	99,327	0	84
Department of the Interior	2,369	2,124	157	0	88	0	0	0	0
Department of Transportation	136,732	69,921	58,261	0	3,915	0	4,635	0	0
Environmental Protection Agency	139,596	129,760	0	0	454	0	9,382	0	0
National Aero and Space Admin [5]	188,517	141,382	10,520	0	5,133	0	31,244	0	238
National Science Foundation	61,888	4,589	536	0	5,763	0	46,671	4,230	99
Florida, total	2,216,206	573,140	1,232,024	0	379,336	0	25,655	0	6,051
Department of Agriculture	47,582	28,406	0	0	18,909	0	267	0	0
Department of Commerce	44,352	32,908	3,973	0	6,842	0	71	0	558
Department of Defense, research [2]	157,691	39,476	67,951	0	39,039	0	11,225	0	0
Department of Defense, total development [3]	1,429,152	305,388	1,113,781	0	6,883	0	0	0	3,100
Department of Energy	12,696	0	780	0	11,420	0	496	0	0
Department of Health & Human Svcs [4]	222,464	33	11,652	0	198,853	0	10,802	0	1,124
Department of the Interior	23,071	16,328	4,032	0	2,518	0	24	0	169
Department of Transportation	1,800	0	1,116	0	659	0	0	0	25
Environmental Protection Agency	11,792	8,782	69	0	1,808	0	58	0	1,075
National Aero and Space Admin [5]	191,299	141,819	27,208	0	20,878	0	1,394	0	0
National Science Foundation	74,307	0	1,462	0	71,527	0	1,318	0	0
Georgia, total	2,632,186	273,713	1,990,999	0	346,638	0	16,730	0	4,106
Department of Agriculture	61,418	43,724	0	0	17,642	0	10	0	42
Department of Commerce	4,413	478	2,962	0	961	0	0	0	12
Department of Defense, research [2]	49,325	9,727	15,638	0	21,968	0	1,992	0	0
Department of Defense, total development [3]	1,991,485	20,363	1,960,622	0	10,435	0	0	0	65
Department of Energy	10,822	199	0	0	6,336	0	4,287	0	0
Department of Health & Human Svcs [4]	422,389	183,067	6,379	0	227,045	0	5,894	0	4
Department of the Interior	6,325	5,332	98	0	749	0	0	0	146
Department of Transportation	1,507	430	857	0	220	0	0	0	0
Environmental Protection Agency	9,617	7,468	40	0	1,482	0	401	0	226
National Aero and Space Admin [5]	18,051	2,925	3,098	0	7,964	0	4,064	0	0
National Science Foundation	56,834	0	1,305	0	51,836	0	82	0	3,611
Hawaii, total	209,737	58,658	50,404	0	72,433	0	27,451	0	791
Department of Agriculture	24,217	13,012	0	0	5,836	0	5,369	0	0
Department of Commerce	14,059	8,885	408	0	4,573	0	0	0	193
Department of Defense, research [2]	15,639	3,898	7,045	0	4,696	0	0	0	0
Department of Defense, total development [3]	58,961	26,050	32,713	0	198	0	0	0	0
Department of Energy	5,465	0	0	0	2,965	0	2,500	0	0
Department of Health & Human Svcs [4]	44,730	12	9,218	0	27,460	0	7,443	0	597
Department of the Interior	7,324	6,541	60	0	723	0	0	0	0
Environmental Protection Agency	64	0	0	0	64	0	0	0	0
National Aero and Space Admin [5]	19,493	260	457	0	6,736	0	12,039	0	1
National Science Foundation	19,785	0	503	0	19,182	0	100	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Idaho, total	216,928	21,722	51,790	119,121	23,968	0	119	0	208
Department of Agriculture	21,878	15,110	0	0	6,768	0	0	0	0
Department of Commerce	1,005	1,005	0	0	0	0	0	0	0
Department of Defense, research [2]	5,884	211	892	737	4,044	0	0	0	0
Department of Defense, total development [3]	8,961	1,702	6,859	400	0	0	0	0	0
Department of Energy	162,689	0	43,262	116,444	2,983	0	0	0	0
Department of Health & Human Svcs [4]	4,559	0	547	0	3,886	0	119	0	7
Department of the Interior	4,515	3,529	6	0	834	0	0	0	146
Department of Transportation	1,414	0	34	1,375	0	0	0	0	5
Environmental Protection Agency	249	0	0	0	199	0	0	0	50
National Aero and Space Admin [5]	912	165	91	165	491	0	0	0	0
National Science Foundation	4,862	0	99	0	4,763	0	0	0	0
Illinois, total	1,404,613	85,344	145,672	0	631,281	444,575	91,525	0	6,216
Department of Agriculture	50,986	34,682	0	0	16,218	0	86	0	0
Department of Commerce	7,077	0	6,270	0	707	100	0	0	0
Department of Defense, research [2]	70,512	18,019	15,361	0	35,508	1,436	188	0	0
Department of Defense, total development [3]	65,827	26,542	26,018	0	9,268	2,952	1,047	0	0
Department of Energy	495,098	3,635	6,878	0	40,634	439,936	4,015	0	0
Department of Health & Human Svcs [4]	551,021	181	82,994	0	384,068	0	77,701	0	6,077
Department of the Interior	2,631	2,049	5	0	438	0	0	0	139
Department of Transportation	5,801	25	4,573	0	1,203	0	0	0	0
Environmental Protection Agency	1,209	0	0	0	1,209	0	0	0	0
National Aero and Space Admin [5]	16,985	211	2,658	0	9,474	151	4,491	0	0
National Science Foundation	137,466	0	915	0	132,554	0	3,997	0	0
Indiana, total	506,326	71,630	186,092	0	244,706	0	3,723	0	175
Department of Agriculture	21,726	6,437	0	0	15,236	0	23	0	30
Department of Commerce	1,036	110	0	0	926	0	0	0	0
Department of Defense, research [2]	41,871	3,521	12,718	0	23,819	0	1,813	0	0
Department of Defense, total development [3]	221,828	58,887	162,433	0	508	0	0	0	0
Department of Energy	16,831	0	169	0	16,662	0	0	0	0
Department of Health & Human Svcs [4]	134,987	164	7,208	0	126,282	0	1,328	0	5
Department of the Interior	2,486	2,045	29	0	272	0	0	0	140
Department of Transportation	220	0	0	0	220	0	0	0	0
Environmental Protection Agency	689	0	140	0	364	0	185	0	0
National Aero and Space Admin [5]	7,180	466	2,896	0	3,444	0	374	0	0
National Science Foundation	57,472	0	499	0	56,973	0	0	0	0
Iowa, total	267,038	34,586	19,948	0	188,719	19,873	3,170	0	742
Department of Agriculture	49,985	32,923	90	0	16,923	0	31	0	18
Department of Commerce	24	0	4	0	20	0	0	0	0
Department of Defense, research [2]	6,843	4	2,020	0	4,819	0	0	0	0
Department of Defense, total development [3]	9,765	3	7,684	0	2,078	0	0	0	0
Department of Energy	26,476	0	34	0	5,094	19,268	2,080	0	0
Department of Health & Human Svcs [4]	135,792	7	824	0	133,714	0	1,059	0	188
Department of the Interior	1,869	1,649	4	0	120	0	0	0	96
Department of Transportation	8,345	0	6,788	0	512	605	0	0	440
Environmental Protection Agency	247	0	0	0	247	0	0	0	0
National Aero and Space Admin [5]	8,924	0	2,500	0	6,424	0	0	0	0
National Science Foundation	18,768	0	0	0	18,768	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Kansas, total	223,493	20,162	104,423	0	92,477	0	1,591	0	4,840
Department of Agriculture	17,236	8,683	0	0	8,553	0	0	0	0
Department of Commerce	2	0	0	0	2	0	0	0	0
Department of Defense, research [2]	12,360	6,629	1,170	0	4,561	0	0	0	0
Department of Defense, total development [3]	42,620	1,871	40,432	0	317	0	0	0	0
Department of Energy	8,173	0	191	0	7,982	0	0	0	0
Department of Health & Human Svcs [4]	114,896	670	61,347	0	46,913	0	1,186	0	4,780
Department of the Interior	2,511	2,309	26	0	116	0	0	0	60
Department of Transportation	4,268	0	0	0	4,268	0	0	0	0
Environmental Protection Agency	1,120	0	0	0	992	0	128	0	0
National Aero and Space Admin [5]	4,865	0	1,068	0	3,520	0	277	0	0
National Science Foundation	15,442	0	189	0	15,253	0	0	0	0
Kentucky, total	203,851	7,500	75,518	0	112,921	0	2,314	0	5,598
Department of Agriculture	10,655	3	0	0	10,652	0	0	0	0
Department of Commerce	2	0	2	0	0	0	0	0	0
Department of Defense, research [2]	7,999	2,855	714	0	4,430	0	0	0	0
Department of Defense, total development [3]	11,133	3,411	7,345	0	377	0	0	0	0
Department of Energy	5,080	0	328	0	4,752	0	0	0	0
Department of Health & Human Svcs [4]	148,632	13	66,775	0	75,990	0	381	0	5,473
Department of the Interior	1,530	1,125	18	0	280	0	7	0	100
Department of Transportation	218	0	9	0	184	0	0	0	25
Environmental Protection Agency	290	0	0	0	150	0	140	0	0
National Aero and Space Admin [5]	4,561	93	126	0	2,556	0	1,786	0	0
National Science Foundation	13,751	0	201	0	13,550	0	0	0	0
Louisiana, total	249,045	99,196	15,517	0	127,100	0	2,186	0	5,046
Department of Agriculture	42,527	32,794	0	0	9,693	0	40	0	0
Department of Commerce	8,943	6,486	688	0	1,769	0	0	0	0
Department of Defense, research [2]	6,950	1,035	454	0	5,435	0	26	0	0
Department of Defense, total development [3]	59,857	43,783	8,444	0	7,630	0	0	0	0
Department of Energy	3,903	0	0	0	3,903	0	0	0	0
Department of Health & Human Svcs [4]	84,199	4,358	1,009	0	76,593	0	2,105	0	134
Department of the Interior	14,864	10,538	457	0	3,711	0	15	0	143
Department of Transportation	128	0	128	0	0	0	0	0	0
Environmental Protection Agency	3,559	0	0	0	2,776	0	0	0	783
National Aero and Space Admin [5]	6,839	65	4,337	0	2,437	0	0	0	0
National Science Foundation	17,276	137	0	0	13,153	0	0	0	3,986
Maine, total	249,812	4,755	167,883	0	21,038	0	55,218	0	918
Department of Agriculture	5,255	549	0	0	4,352	0	0	0	354
Department of Commerce	2,355	582	75	0	1,061	0	637	0	0
Department of Defense, research [2]	11,598	100	4,742	0	5,930	0	826	0	0
Department of Defense, total development [3]	165,401	1,598	157,419	0	205	0	6,179	0	0
Department of Energy	803	0	42	0	200	0	561	0	0
Department of Health & Human Svcs [4]	50,523	7	4,642	0	1,783	0	43,609	0	482
Department of the Interior	2,457	1,919	11	0	460	0	0	0	67
Department of Transportation	315	0	0	0	300	0	0	0	15
Environmental Protection Agency	193	0	0	0	193	0	0	0	0
National Aero and Space Admin [5]	1,563	0	0	0	687	0	876	0	0
National Science Foundation	9,349	0	952	0	5,867	0	2,530	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Maryland, total	8,684,796	4,869,668	2,371,166	208,586	1,007,659	0	224,341	40	3,336
Department of Agriculture	142,708	133,791	0	0	8,353	0	547	0	17
Department of Commerce	359,852	345,826	4,570	0	7,986	0	309	0	1,161
Department of Defense, research [2]	408,612	252,192	102,676	0	49,059	0	4,685	0	0
Department of Defense, total development [3]	2,438,858	1,024,386	1,207,828	500	192,624	0	13,480	40	0
Department of Energy	52,737	27,767	4,416	0	11,490	0	9,064	0	0
Department of Health & Human Svcs [4]	3,880,234	2,762,107	312,689	208,086	517,765	0	78,310	0	1,277
Department of the Interior	14,123	13,279	339	0	382	0	93	0	30
Department of Transportation	26,133	7,422	13,104	0	5,242	0	35	0	330
Environmental Protection Agency	13,081	0	2,204	0	8,561	0	2,133	0	183
National Aero and Space Admin [5]	1,265,064	299,433	717,681	0	142,790	0	104,822	0	338
National Science Foundation	83,394	3,465	5,659	0	63,407	0	10,863	0	0
Massachusetts, total	4,145,472	259,172	1,673,263	0	979,704	182,671	967,591	80,746	2,325
Department of Agriculture	26,069	17,229	1,188	0	5,739	0	1,897	0	16
Department of Commerce	33,388	18,371	9,781	0	4,006	0	693	0	537
Department of Defense, research [2]	326,386	64,216	101,123	0	101,525	43,165	16,144	213	0
Department of Defense, total development [3]	1,738,301	93,354	1,390,026	0	15,248	138,181	20,959	80,533	0
Department of Energy	77,252	1,000	680	0	71,488	0	4,084	0	0
Department of Health & Human Svcs [4]	1,513,791	1,412	114,658	0	566,993	0	829,229	0	1,499
Department of the Interior	18,846	17,450	72	0	1,223	0	40	0	61
Department of Transportation	43,081	32,624	7,953	0	1,174	1,325	5	0	0
Environmental Protection Agency	16,247	0	1,786	0	6,890	0	7,359	0	212
National Aero and Space Admin [5]	156,139	13,516	29,912	0	41,794	0	70,917	0	0
National Science Foundation	195,972	0	16,084	0	163,624	0	16,264	0	0
Michigan, total	975,052	239,543	158,872	0	557,084	0	16,771	0	2,782
Department of Agriculture	23,893	6,600	17	0	17,276	0	0	0	0
Department of Commerce	23,466	7,359	13,819	0	2,288	0	0	0	0
Department of Defense, research [2]	100,735	41,451	19,211	0	39,608	0	465	0	0
Department of Defense, total development [3]	274,304	178,342	81,515	0	11,330	0	3,117	0	0
Department of Energy	20,230	0	0	0	20,230	0	0	0	0
Department of Health & Human Svcs [4]	398,100	710	28,517	0	355,621	0	11,484	0	1,768
Department of the Interior	5,625	5,081	11	0	342	0	0	0	191
Department of Transportation	5,916	0	4,003	0	1,588	0	0	0	325
Environmental Protection Agency	5,540	0	0	0	4,992	0	50	0	498
National Aero and Space Admin [5]	20,636	0	10,523	0	9,453	0	660	0	0
National Science Foundation	96,607	0	1,256	0	94,356	0	995	0	0
Minnesota, total	781,132	32,014	364,837	0	250,830	0	128,542	0	4,909
Department of Agriculture	32,652	17,592	7	0	14,661	0	0	0	392
Department of Commerce	7,046	159	5,491	0	1,098	0	298	0	0
Department of Defense, research [2]	46,161	643	32,195	0	10,568	0	2,755	0	0
Department of Defense, total development [3]	343,452	540	315,295	0	5,051	0	22,566	0	0
Department of Energy	10,719	0	0	0	10,719	0	0	0	0
Department of Health & Human Svcs [4]	280,240	0	6,929	0	168,593	0	102,691	0	2,027
Department of the Interior	3,701	3,202	8	0	394	0	20	0	77
Department of Transportation	2,364	0	491	0	0	0	0	0	1,873
Environmental Protection Agency	11,419	9,798	198	0	883	0	0	0	540
National Aero and Space Admin [5]	7,580	80	3,677	0	3,713	0	110	0	0
National Science Foundation	35,798	0	546	0	35,150	0	102	0	0

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Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Mississippi, total	394,585	186,799	104,886	0	94,574	0	7,926	0	400
Department of Agriculture	73,449	51,773	0	0	20,990	0	686	0	0
Department of Commerce	6,232	5,377	129	0	526	0	200	0	0
Department of Defense, research [2]	70,973	49,388	8,411	0	13,174	0	0	0	0
Department of Defense, total development [3]	117,487	55,736	56,584	0	5,167	0	0	0	0
Department of Energy	2,252	0	0	0	2,252	0	0	0	0
Department of Health & Human Svcs [4]	34,004	0	971	0	30,921	0	2,057	0	55
Department of the Interior	4,943	4,142	25	0	146	0	570	0	60
Department of Transportation	136	0	76	0	60	0	0	0	0
Environmental Protection Agency	1,078	0	0	0	861	0	217	0	0
National Aero and Space Admin [5]	73,532	20,318	37,761	0	10,972	0	4,196	0	285
National Science Foundation	10,499	65	929	0	9,505	0	0	0	0
Missouri, total	890,597	43,851	417,238	0	396,351	0	32,084	0	1,073
Department of Agriculture	30,023	13,121	476	0	16,179	0	0	0	247
Department of Commerce	432	108	0	0	0	0	324	0	0
Department of Defense, research [2]	59,318	14,248	37,101	0	7,969	0	0	0	0
Department of Defense, total development [3]	374,642	4,150	368,091	0	2,399	0	2	0	0
Department of Energy	9,193	13	0	0	9,075	0	105	0	0
Department of Health & Human Svcs [4]	363,082	585	3,428	0	328,393	0	30,329	0	347
Department of the Interior	13,225	11,556	714	0	807	0	4	0	144
Department of Transportation	1,289	0	217	0	1,072	0	0	0	0
Environmental Protection Agency	965	0	189	0	351	0	90	0	335
National Aero and Space Admin [5]	14,765	70	6,257	0	7,895	0	543	0	0
National Science Foundation	23,663	0	765	0	22,211	0	687	0	0
Montana, total	95,025	35,344	9,510	0	42,060	0	7,443	0	668
Department of Agriculture	23,617	13,994	35	0	7,969	0	1,619	0	0
Department of Commerce	585	110	75	0	0	0	400	0	0
Department of Defense, research [2]	5,723	1,404	1,266	0	3,053	0	0	0	0
Department of Defense, total development [3]	6,029	128	4,462	0	1,439	0	0	0	0
Department of Energy	998	0	153	0	312	0	533	0	0
Department of Health & Human Svcs [4]	31,041	14,247	1,802	0	11,940	0	2,827	0	225
Department of the Interior	7,113	5,368	36	0	1,534	0	0	0	175
Department of Transportation	450	0	0	0	450	0	0	0	0
Environmental Protection Agency	1,412	0	69	0	1,075	0	0	0	268
National Aero and Space Admin [5]	7,041	93	409	0	5,829	0	710	0	0
National Science Foundation	11,016	0	1,203	0	8,459	0	1,354	0	0
Nebraska, total	98,491	25,082	4,761	0	61,364	0	6,434	0	850
Department of Agriculture	32,360	21,572	0	0	10,788	0	0	0	0
Department of Commerce	1,323	106	814	0	19	0	384	0	0
Department of Defense, research [2]	4,133	104	655	0	3,374	0	0	0	0
Department of Defense, total development [3]	1,160	450	710	0	0	0	0	0	0
Department of Energy	2,745	0	0	0	2,745	0	0	0	0
Department of Health & Human Svcs [4]	40,301	53	1,173	0	32,810	0	5,527	0	738
Department of the Interior	2,823	2,618	0	0	103	0	0	0	102
Department of Transportation	19	0	9	0	0	0	0	0	10
Environmental Protection Agency	548	0	0	0	25	0	523	0	0
National Aero and Space Admin [5]	1,668	179	89	0	1,400	0	0	0	0
National Science Foundation	11,411	0	1,311	0	10,100	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Nevada, total	263,897	20,696	199,188	0	39,302	0	2,376	0	2,335
Department of Agriculture	2,761	513	0	0	2,248	0	0	0	0
Department of Commerce	123	0	2	0	121	0	0	0	0
Department of Defense, research [2]	18,927	273	16,916	0	1,738	0	0	0	0
Department of Defense, total development [3]	10,327	5,059	4,984	0	0	0	0	0	284
Department of Energy	173,172	85	167,671	0	5,035	0	381	0	0
Department of Health & Human Svcs [4]	26,694	0	7,514	0	16,985	0	1,194	0	1,001
Department of the Interior	4,262	3,154	0	0	997	0	0	0	111
Department of Transportation	1,472	0	1,472	0	0	0	0	0	0
Environmental Protection Agency	11,703	11,351	245	0	0	0	0	0	107
National Aero and Space Admin [5]	3,144	261	303	0	947	0	801	0	832
National Science Foundation	11,312	0	81	0	11,231	0	0	0	0
New Hampshire, total	356,873	35,717	227,935	0	90,529	0	2,305	0	387
Department of Agriculture	7,428	2,956	0	0	4,445	0	6	0	21
Department of Commerce	8,187	2,777	0	0	5,410	0	0	0	0
Department of Defense, research [2]	63,128	8,349	50,020	0	4,364	0	395	0	0
Department of Defense, total development [3]	187,789	17,731	168,316	0	747	0	995	0	0
Department of Energy	1,128	0	350	0	728	0	0	0	50
Department of Health & Human Svcs [4]	55,925	7	2,960	0	52,486	0	351	0	121
Department of the Interior	1,473	1,162	0	0	272	0	14	0	25
Department of Transportation	2,995	1,397	268	0	1,306	0	24	0	0
Environmental Protection Agency	951	0	0	0	781	0	0	0	170
National Aero and Space Admin [5]	14,372	209	5,323	0	8,360	0	480	0	0
National Science Foundation	13,497	1,129	698	0	11,630	0	40	0	0
New Jersey, total	1,937,769	417,685	1,150,533	0	291,614	56,391	20,566	0	980
Department of Agriculture	11,152	6	2,456	0	8,690	0	0	0	0
Department of Commerce	27,059	18,166	5,224	0	3,669	0	0	0	0
Department of Defense, research [2]	136,306	43,225	63,292	0	29,093	41	655	0	0
Department of Defense, total development [3]	1,335,792	320,540	1,006,782	0	5,973	180	2,277	0	40
Department of Energy	73,198	197	490	0	16,014	56,170	327	0	0
Department of Health & Human Svcs [4]	187,385	313	18,479	0	152,322	0	15,746	0	525
Department of the Interior	4,567	3,299	291	0	562	0	0	0	415
Department of Transportation	60,839	28,766	31,190	0	883	0	0	0	0
Environmental Protection Agency	4,639	0	2,453	0	900	0	1,286	0	0
National Aero and Space Admin [5]	31,890	2,951	17,985	0	10,790	0	164	0	0
National Science Foundation	64,942	222	1,891	0	62,718	0	111	0	0
New Mexico, total	2,130,504	320,838	206,320	730,951	117,242	727,452	26,909	0	792
Department of Agriculture	8,919	4,042	2	0	4,765	0	110	0	0
Department of Commerce	1,821	280	459	0	61	0	534	0	487
Department of Defense, research [2]	161,030	55,985	64,130	19,687	14,322	6,807	99	0	0
Department of Defense, total development [3]	466,903	217,014	128,549	94,424	7,500	14,694	4,722	0	0
Department of Energy	1,353,161	18,594	1,158	615,075	16,415	688,344	13,575	0	0
Department of Health & Human Svcs [4]	73,532	3,094	3,754	0	49,488	13,698	3,497	0	1
Department of the Interior	4,193	3,640	70	0	264	0	0	0	219
Department of Transportation	8,082	0	2,567	1,765	137	3,250	325	0	38
Environmental Protection Agency	3,302	0	70	0	573	0	2,659	0	0
National Aero and Space Admin [5]	30,217	17,709	4,439	0	7,392	458	172	0	47
National Science Foundation	19,344	480	1,122	0	16,325	201	1,216	0	0

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Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

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			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
New York, total	2,927,523	176,034	730,647	0	1,397,721	0	300,685	244,665	77,771
Department of Agriculture	44,300	22,242	180	0	18,940	0	2,884	0	54
Department of Commerce	17,856	982	9,756	0	6,575	0	523	20	0
Department of Defense, research [2]	202,924	106,139	41,662	0	53,538	0	1,317	268	0
Department of Defense, total development [3]	377,821	32,613	332,626	0	9,426	0	2,924	232	0
Department of Energy	573,683	1,093	270,669	0	64,179	0	2,498	235,244	0
Department of Health & Human Svcs [4]	1,422,517	8,667	51,739	0	1,004,496	0	273,566	7,914	76,135
Department of the Interior	5,635	4,298	71	0	1,103	0	84	0	79
Department of Transportation	6,467	0	4,257	0	1,819	0	3	375	13
Environmental Protection Agency	11,137	0	0	0	7,571	0	3,355	0	211
National Aero and Space Admin [5]	54,946	0	13,623	0	37,312	0	3,399	612	0
National Science Foundation	210,237	0	6,064	0	192,762	0	10,132	0	1,279
North Carolina, total	1,062,536	262,003	100,803	0	628,208	0	71,230	0	292
Department of Agriculture	42,249	22,233	0	0	19,972	0	38	0	6
Department of Commerce	11,134	5,758	1,200	0	3,713	0	463	0	0
Department of Defense, research [2]	79,847	36,047	12,917	0	28,421	0	2,462	0	0
Department of Defense, total development [3]	59,389	22,798	31,662	0	4,615	0	314	0	0
Department of Energy	13,904	270	586	0	11,662	0	1,386	0	0
Department of Health & Human Svcs [4]	680,690	99,988	32,905	0	486,817	0	60,840	0	140
Department of the Interior	3,985	3,014	240	0	582	0	3	0	146
Department of Transportation	2,049	0	1,564	0	485	0	0	0	0
Environmental Protection Agency	87,559	71,810	6,527	0	6,271	0	2,951	0	0
National Aero and Space Admin [5]	21,107	60	10,488	0	8,071	0	2,488	0	0
National Science Foundation	60,623	25	2,714	0	57,599	0	285	0	0
North Dakota, total	64,051	25,842	7,164	0	29,312	0	1,423	0	310
Department of Agriculture	29,418	22,696	0	0	6,722	0	0	0	0
Department of Commerce	678	218	0	0	460	0	0	0	0
Department of Defense, research [2]	2,303	5	759	0	1,539	0	0	0	0
Department of Defense, total development [3]	408	39	369	0	0	0	0	0	0
Department of Energy	6,822	0	0	0	6,822	0	0	0	0
Department of Health & Human Svcs [4]	10,736	7	5,596	0	3,600	0	1,423	0	110
Department of the Interior	3,061	2,877	14	0	115	0	0	0	55
Environmental Protection Agency	3,639	0	225	0	3,269	0	0	0	145
National Aero and Space Admin [5]	1,948	0	0	0	1,948	0	0	0	0
National Science Foundation	5,038	0	201	0	4,837	0	0	0	0
Ohio, total	1,799,136	615,458	554,622	0	461,264	0	165,582	0	2,210
Department of Agriculture	22,211	7,485	8	0	14,618	0	100	0	0
Department of Commerce	8,276	348	1,923	0	931	0	5,074	0	0
Department of Defense, research [2]	374,646	216,629	106,307	0	37,914	0	13,786	0	10
Department of Defense, total development [3]	460,832	131,596	306,124	0	12,178	0	10,891	0	43
Department of Energy	19,285	8	8,040	0	10,855	0	382	0	0
Department of Health & Human Svcs [4]	476,335	36,185	16,165	0	316,631	0	105,852	0	1,502
Department of the Interior	3,276	2,599	21	0	397	0	0	0	259
Department of Transportation	16,605	9,258	2,217	0	558	0	4,530	0	42
Environmental Protection Agency	57,194	51,796	442	0	2,867	0	2,089	0	0
National Aero and Space Admin [5]	307,832	159,554	110,182	0	14,995	0	22,747	0	354
National Science Foundation	52,644	0	3,193	0	49,320	0	131	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Oklahoma, total	185,121	58,619	41,660	0	68,449	0	15,646	0	747
Department of Agriculture	20,114	11,371	0	0	8,689	0	0	0	54
Department of Commerce	7,298	7,116	4	0	178	0	0	0	0
Department of Defense, research [2]	20,143	4,991	10,877	0	4,275	0	0	0	0
Department of Defense, total development [3]	36,972	13,134	23,798	0	0	0	0	0	40
Department of Energy	13,100	1,642	4,238	0	7,220	0	0	0	0
Department of Health & Human Svcs [4]	47,579	26	1,259	0	30,771	0	15,416	0	107
Department of the Interior	2,156	1,701	105	0	304	0	0	0	46
Department of Transportation	9,644	8,852	518	0	274	0	0	0	0
Environmental Protection Agency	9,462	8,364	0	0	598	0	0	0	500
National Aero and Space Admin [5]	3,370	1,422	158	0	1,790	0	0	0	0
National Science Foundation	15,283	0	703	0	14,350	0	230	0	0
Oregon, total	468,167	88,618	124,574	0	213,668	0	30,465	0	10,842
Department of Agriculture	39,801	28,645	0	0	11,156	0	0	0	0
Department of Commerce	23,037	17,617	1,505	0	3,029	0	0	0	886
Department of Defense, research [2]	19,005	0	8,112	0	10,893	0	0	0	0
Department of Defense, total development [3]	11,648	3	9,689	0	1,956	0	0	0	0
Department of Energy	35,945	20,584	8,389	0	4,382	0	90	0	2,500
Department of Health & Human Svcs [4]	265,799	20	90,406	0	139,006	0	29,876	0	6,491
Department of the Interior	8,871	8,052	11	0	590	0	0	0	218
Department of Transportation	77	0	62	0	0	0	0	0	15
Environmental Protection Agency	17,770	13,561	59	0	3,190	0	228	0	732
National Aero and Space Admin [5]	13,266	136	5,728	0	7,201	0	201	0	0
National Science Foundation	32,948	0	613	0	32,265	0	70	0	0
Pennsylvania, total	2,357,552	151,955	949,767	0	1,025,989	16,737	211,952	0	1,152
Department of Agriculture	50,089	39,061	85	0	10,205	0	738	0	0
Department of Commerce	4,608	0	4,108	0	500	0	0	0	0
Department of Defense, research [2]	154,488	8,103	44,173	0	77,088	16,347	8,777	0	0
Department of Defense, total development [3]	685,307	36,212	590,929	0	39,810	390	17,966	0	0
Department of Energy	349,400	44,580	268,764	0	29,968	0	6,088	0	0
Department of Health & Human Svcs [4]	949,599	18,647	30,824	0	722,942	0	176,207	0	979
Department of the Interior	5,015	3,854	198	0	774	0	41	0	148
Department of Transportation	2,890	50	1,694	0	973	0	148	0	25
Environmental Protection Agency	5,619	0	294	0	5,071	0	254	0	0
National Aero and Space Admin [5]	37,055	1,448	6,767	0	28,840	0	0	0	0
National Science Foundation	113,482	0	1,931	0	109,818	0	1,733	0	0
Rhode Island, total	418,037	240,862	56,005	0	80,225	0	40,269	0	676
Department of Agriculture	2,046	6	0	0	1,992	0	48	0	0
Department of Commerce	3,925	923	507	0	2,495	0	0	0	0
Department of Defense, research [2]	47,377	29,137	5,130	0	13,025	0	85	0	0
Department of Defense, total development [3]	249,243	202,746	46,077	0	420	0	0	0	0
Department of Energy	3,034	0	0	0	2,992	0	42	0	0
Department of Health & Human Svcs [4]	78,058	7	2,923	0	36,151	0	38,819	0	158
Department of the Interior	1,941	1,233	0	0	691	0	0	0	17
Department of Transportation	118	0	63	0	50	0	0	0	5
Environmental Protection Agency	8,371	6,810	685	0	380	0	0	0	496
National Aero and Space Admin [5]	3,774	0	117	0	3,185	0	472	0	0
National Science Foundation	20,150	0	503	0	18,844	0	803	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
South Carolina, total	248,988	45,754	45,050	32,107	118,166	0	5,226	0	2,685
Department of Agriculture	16,439	8,740	0	0	7,674	0	25	0	0
Department of Commerce	15,569	12,128	167	0	2,607	0	0	0	667
Department of Defense, research [2]	16,644	3,496	446	0	10,941	0	1,761	0	0
Department of Defense, total development [3]	57,673	18,814	35,159	258	3,417	0	25	0	0
Department of Energy	41,521	0	1,314	31,849	8,303	0	55	0	0
Department of Health & Human Svcs [4]	74,180	14	6,710	0	63,221	0	2,832	0	1,403
Department of the Interior	3,653	2,557	465	0	235	0	0	0	396
Department of Transportation	920	5	57	0	858	0	0	0	0
Environmental Protection Agency	567	0	0	0	348	0	0	0	219
National Aero and Space Admin [5]	3,135	0	134	0	3,001	0	0	0	0
National Science Foundation	18,687	0	598	0	17,561	0	528	0	0
South Dakota, total	38,803	13,232	4,829	0	20,243	0	300	0	199
Department of Agriculture	8,419	3,514	0	0	4,885	0	0	0	20
Department of Commerce	383	83	0	0	0	0	300	0	0
Department of Defense, research [2]	1,315	6	35	0	1,274	0	0	0	0
Department of Defense, total development [3]	25	7	18	0	0	0	0	0	0
Department of Energy	205	0	155	0	50	0	0	0	0
Department of Health & Human Svcs [4]	8,760	7	2,378	0	6,210	0	0	0	165
Department of the Interior	6,805	5,272	1,311	0	222	0	0	0	0
Department of Transportation	21	0	7	0	0	0	0	0	14
National Aero and Space Admin [5]	5,232	4,343	70	0	819	0	0	0	0
National Science Foundation	7,638	0	855	0	6,783	0	0	0	0
Tennessee, total	734,406	88,947	53,986	0	236,800	10,151	35,888	307,952	682
Department of Agriculture	9,391	27	0	0	9,314	0	0	0	50
Department of Commerce	1,785	850	37	0	415	0	59	0	424
Department of Defense, research [2]	36,928	14,575	4,530	0	12,002	287	0	5,534	0
Department of Defense, total development [3]	84,930	57,530	20,738	0	997	17	0	5,648	0
Department of Energy	316,099	1,378	7,102	0	7,352	7,201	150	292,916	0
Department of Health & Human Svcs [4]	223,374	3,105	2,551	0	182,150	0	35,568	0	0
Department of the Interior	4,784	3,603	468	0	643	0	0	0	70
Department of Transportation	4,598	990	269	0	496	2,646	0	59	138
Environmental Protection Agency	464	0	295	0	169	0	0	0	0
National Aero and Space Admin [5]	32,534	6,889	17,031	0	4,819	0	0	3,795	0
National Science Foundation	19,519	0	965	0	18,443	0	111	0	0
Texas, total	2,671,790	464,699	1,196,230	0	921,110	0	87,096	0	2,655
Department of Agriculture	76,169	54,444	0	0	21,688	0	15	0	22
Department of Commerce	13,378	1,325	8,325	0	3,728	0	0	0	0
Department of Defense, research [2]	164,047	50,169	63,606	0	48,219	0	2,053	0	0
Department of Defense, total development [3]	786,668	81,271	671,520	0	31,015	0	2,862	0	0
Department of Energy	31,870	1	4,877	0	25,358	0	1,462	0	172
Department of Health & Human Svcs [4]	751,167	2,172	20,331	0	669,558	0	58,508	0	598
Department of the Interior	9,949	6,078	600	0	3,032	0	0	0	239
Department of Transportation	4,660	300	3,413	0	453	0	0	0	494
Environmental Protection Agency	5,640	0	575	0	4,118	0	157	0	790
National Aero and Space Admin [5]	750,476	268,939	421,807	0	38,909	0	20,481	0	340
National Science Foundation	77,766	0	1,176	0	75,032	0	1,558	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Utah, total	285,968	69,871	46,929	0	163,652	0	3,714	0	1,802
Department of Agriculture	16,348	10,909	0	0	5,439	0	0	0	0
Department of Commerce	1,482	0	1,262	0	220	0	0	0	0
Department of Defense, research [2]	38,076	20,014	10,694	0	7,368	0	0	0	0
Department of Defense, total development [3]	65,432	35,164	24,948	0	5,320	0	0	0	0
Department of Energy	7,929	0	929	0	6,312	0	235	0	453
Department of Health & Human Svcs [4]	114,817	7	7,196	0	104,311	0	2,877	0	426
Department of the Interior	5,184	3,776	63	0	1,202	0	0	0	143
Department of Transportation	1,047	0	125	0	142	0	0	0	780
Environmental Protection Agency	942	0	70	0	872	0	0	0	0
National Aero and Space Admin [5]	10,363	1	1,001	0	9,361	0	0	0	0
National Science Foundation	24,348	0	641	0	23,105	0	602	0	0
Vermont, total	72,030	3,599	11,521	0	55,612	0	988	0	310
Department of Agriculture	6,541	1,956	0	0	4,567	0	0	0	18
Department of Commerce	57	19	0	0	38	0	0	0	0
Department of Defense, research [2]	2,284	529	576	0	1,179	0	0	0	0
Department of Defense, total development [3]	8,921	403	8,518	0	0	0	0	0	0
Department of Energy	750	0	0	0	750	0	0	0	0
Department of Health & Human Svcs [4]	46,436	7	907	0	44,369	0	988	0	165
Department of the Interior	872	685	9	0	108	0	0	0	70
Environmental Protection Agency	763	0	70	0	636	0	0	0	57
National Aero and Space Admin [5]	1,049	0	745	0	304	0	0	0	0
National Science Foundation	4,357	0	696	0	3,661	0	0	0	0
Virginia, total	4,842,811	1,449,209	2,807,625	0	272,217	73,985	67,066	167,893	4,816
Department of Agriculture	10,539	879	169	0	9,426	0	65	0	0
Department of Commerce	11,552	3,076	6,815	0	1,659	0	2	0	0
Department of Defense, research [2]	465,565	151,654	254,250	0	22,155	9,300	6,979	21,227	0
Department of Defense, total development [3]	3,317,304	972,115	2,180,539	0	16,505	0	7,248	140,897	0
Department of Energy	80,667	3,603	2,040	0	7,781	64,685	2,558	0	0
Department of Health & Human Svcs [4]	227,339	17,394	53,430	0	150,718	0	4,911	700	186
Department of the Interior	98,012	95,951	1,003	0	927	0	0	0	131
Department of Transportation	42,691	895	31,206	0	2,467	0	3,091	4,756	276
Environmental Protection Agency	5,557	0	455	0	1,761	0	3,226	0	115
National Aero and Space Admin [5]	499,555	195,976	262,002	0	18,516	0	18,974	0	4,087
National Science Foundation	84,030	7,666	15,716	0	40,302	0	20,012	313	21
Washington, total	1,329,466	258,718	284,141	0	435,661	0	198,734	148,249	3,963
Department of Agriculture	43,170	27,276	0	0	15,794	0	62	0	38
Department of Commerce	106,970	102,187	922	0	3,318	0	72	0	471
Department of Defense, research [2]	64,089	9,089	27,349	0	24,856	0	1,488	1,307	0
Department of Defense, total development [3]	320,240	99,335	210,740	0	3,986	0	458	5,721	0
Department of Energy	158,056	0	2,731	0	17,880	0	865	136,518	62
Department of Health & Human Svcs [4]	527,280	6,140	21,533	0	303,160	0	190,532	3,937	1,978
Department of the Interior	16,310	13,217	35	0	2,411	0	0	0	647
Department of Transportation	1,312	0	553	0	500	0	0	0	259
Environmental Protection Agency	9,299	0	1,334	0	4,500	0	2,957	0	508
National Aero and Space Admin [5]	26,795	1,385	15,666	0	8,669	0	358	717	0
National Science Foundation	55,945	89	3,278	0	50,587	0	1,942	49	0

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Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
West Virginia, total	235,677	102,958	52,805	0	36,439	32,540	10,214	0	721
Department of Agriculture	25,298	19,475	0	0	5,658	0	129	0	36
Department of Commerce	667	144	0	0	523	0	0	0	0
Department of Defense, research [2]	4,496	0	1,811	0	2,685	0	0	0	0
Department of Defense, total development [3]	27,807	303	25,191	0	0	0	2,313	0	0
Department of Energy	64,526	44,746	9,484	0	8,967	0	1,319	0	10
Department of Health & Human Svcs [4]	51,670	33,146	3,207	0	11,693	0	3,420	0	204
Department of the Interior	5,495	5,144	14	0	86	0	0	0	251
Department of Transportation	750	0	0	0	750	0	0	0	0
Environmental Protection Agency	2,999	0	0	0	2,779	0	0	0	220
National Aero and Space Admin [5]	16,710	0	10,394	0	3,283	0	3,033	0	0
National Science Foundation	35,259	0	2,704	0	15	32,540	0	0	0
Wisconsin, total	420,839	37,816	21,332	0	347,329	0	12,590	0	1,772
Department of Agriculture	43,634	27,909	46	0	15,573	0	73	0	33
Department of Commerce	3,696	417	1,298	0	1,981	0	0	0	0
Department of Defense, research [2]	12,695	1	4,410	0	8,284	0	0	0	0
Department of Defense, total development [3]	8,234	1	4,525	0	3,708	0	0	0	0
Department of Energy	23,578	0	0	0	23,578	0	0	0	0
Department of Health & Human Svcs [4]	244,867	57	6,637	0	225,240	0	12,260	0	673
Department of the Interior	9,938	9,251	6	0	587	0	0	0	94
Department of Transportation	2,353	180	1,001	0	1,172	0	0	0	0
Environmental Protection Agency	1,989	0	70	0	1,037	0	0	0	882
National Aero and Space Admin [5]	15,731	0	3,288	0	12,443	0	0	0	0
National Science Foundation	54,124	0	51	0	53,726	0	257	0	90
Wyoming, total	35,059	7,298	5,146	0	18,387	0	3,577	0	651
Department of Agriculture	9,230	4,923	5	0	4,302	0	0	0	0
Department of Commerce	25	0	0	0	25	0	0	0	0
Department of Defense, research [2]	1,072	0	97	0	975	0	0	0	0
Department of Defense, total development [3]	104	0	70	0	34	0	0	0	0
Department of Energy	4,936	0	0	0	1,359	0	3,577	0	0
Department of Health & Human Svcs [4]	4,633	0	762	0	3,852	0	0	0	19
Department of the Interior	2,723	2,375	0	0	288	0	0	0	60
Department of Transportation	2,703	0	2,613	0	0	0	0	0	90
Environmental Protection Agency	577	0	70	0	25	0	0	0	482
National Aero and Space Admin [5]	591	0	69	0	522	0	0	0	0
National Science Foundation	8,465	0	1,460	0	7,005	0	0	0	0
Outlying areas, total [6]	117,880	24,075	23,291	0	58,909	8,783	899	0	1,923
Department of Agriculture	15,878	6,010	0	0	9,027	0	841	0	0
Department of Commerce	1,864	485	0	0	522	0	0	0	857
Department of Defense, research [2]	1,292	27	0	0	1,265	0	0	0	0
Department of Defense, total development [3]	22,760	7,686	15,074	0	0	0	0	0	0
Department of Energy	127	0	0	0	127	0	0	0	0
Department of Health & Human Svcs [4]	47,687	1,244	7,970	0	37,565	0	58	0	850
Department of the Interior	9,267	8,620	17	0	630	0	0	0	0
Department of Transportation	171	3	0	0	168	0	0	0	0
Environmental Protection Agency	1,285	0	0	0	1,069	0	0	0	216
National Aero and Space Admin [5]	2,783	0	0	0	2,783	0	0	0	0
National Science Foundation	14,766	0	230	0	5,753	8,783	0	0	0

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Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 2000

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Puerto Rico, total [6]	81,016	9,125	8,217	0	52,591	8,783	899	0	1,401
Department of Agriculture	11,416	6,010	0	0	4,565	0	841	0	0
Department of Commerce	1,517	480	0	0	486	0	0	0	551
Department of Defense, research [2]	1,265	0	0	0	1,265	0	0	0	0
Department of Energy	127	0	0	0	127	0	0	0	0
Department of Health & Human Svcs [4]	47,071	1,244	7,970	0	36,949	0	58	0	850
Department of the Interior	1,526	1,391	17	0	118	0	0	0	0
Department of Transportation	168	0	0	0	168	0	0	0	0
Environmental Protection Agency	523	0	0	0	523	0	0	0	0
National Aero and Space Admin [5]	2,783	0	0	0	2,783	0	0	0	0
National Science Foundation	14,620	0	230	0	5,607	8,783	0	0	0
Other areas, total [6]	36,864	14,950	15,074	0	6,318	0	0	0	522
Department of Agriculture	4,462	0	0	0	4,462	0	0	0	0
Department of Commerce	347	5	0	0	36	0	0	0	306
Department of Defense, research [2]	27	27	0	0	0	0	0	0	0
Department of Defense, total development [3]	22,760	7,686	15,074	0	0	0	0	0	0
Department of Health & Human Svcs [4]	616	0	0	0	616	0	0	0	0
Department of the Interior	7,741	7,229	0	0	512	0	0	0	0
Department of Transportation	3	3	0	0	0	0	0	0	0
Environmental Protection Agency	762	0	0	0	546	0	0	0	216
National Science Foundation	146	0	0	0	146	0	0	0	0
Offices abroad, total	109,060	18,132	90,657	0	271	0	0	0	0
Department of Agriculture	3,847	3,847	0	0	0	0	0	0	0
Department of Commerce	407	341	0	0	66	0	0	0	0
Department of Defense, research [2]	6,243	6,153	52	0	38	0	0	0	0
Department of Defense, total development [3]	98,563	7,791	90,605	0	167	0	0	0	0

1 Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

2 Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

3 Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems. Geographic data for these categories are not reported; therefore, this table shows only total development.

4 Beginning in fiscal year 2000, the National Institutes of Health in the Department of Health & Human Services classified all of its development activities as research.

5 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

6 Outlying areas, total represents the sum of Puerto Rico, total and Other areas, total.

KEY: FFRDCs = Federally funded research and development centers

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 2000.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-86. Federal obligations for R&D plant for selected agencies, by State and category of performer supported: fiscal year 2000

[Dollars in thousands]

State	Total	Intra-mural [1]	Extramural						
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Total	4,489,276	569,914	2,814,541	27,567	213,530	613,840	55,549	193,452	883
Alabama	210,622	5,888	202,700	0	1,769	0	265	0	0
Alaska	295	295	0	0	0	0	0	0	0
Arizona	4,116	643	361	0	2,961	151	0	0	0
Arkansas	3,198	2,561	0	0	637	0	0	0	0
California	502,962	12,918	68,637	0	35,761	385,601	45	0	0
Colorado	34,628	6,013	1,149	0	5,277	20,590	0	1,599	0
Connecticut	91,041	182	89,605	0	1,254	0	0	0	0
Delaware	335	122	213	0	0	0	0	0	0
District of Columbia	29,994	27,427	796	0	1,168	0	603	0	0
Florida	238,305	44,437	185,802	0	8,066	0	0	0	0
Georgia	9,243	2,633	111	0	6,499	0	0	0	0
Hawaii	1,770	1,770	0	0	0	0	0	0	0
Idaho	27,158	10,413	13,895	2,850	0	0	0	0	0
Illinois	143,139	10,532	4,971	0	18,158	109,478	0	0	0
Indiana	12,164	568	8,530	0	3,066	0	0	0	0
Iowa	8,127	2,919	0	0	1,640	3,568	0	0	0
Kansas	3,005	684	0	0	2,321	0	0	0	0
Kentucky	2,564	0	0	0	2,564	0	0	0	0
Louisiana	11,692	2,268	9,283	0	141	0	0	0	0
Maine	1,480	51	0	0	145	0	1,284	0	0
Maryland	352,404	328,402	20,490	0	3,021	0	491	0	0
Massachusetts	41,626	3,824	6,783	0	20,553	0	10,466	0	0
Michigan	5,947	458	1,131	0	4,358	0	0	0	0
Minnesota	3,661	1,214	50	0	2,151	0	246	0	0
Mississippi	20,745	8,004	11,910	0	831	0	0	0	0
Missouri	3,146	347	222	0	2,577	0	0	0	0
Montana	2,384	1,421	109	0	854	0	0	0	0
Nebraska	3,424	818	0	0	2,606	0	0	0	0
Nevada	6,227	808	5,120	0	234	0	0	0	65
New Hampshire	4,143	274	63	0	3,159	0	0	0	647
New Jersey	46,384	17,789	15,387	0	3,634	9,068	506	0	0
New Mexico	122,219	6,685	23,863	24,579	119	66,973	0	0	0
New York	113,641	15,718	14,496	0	21,112	0	2,000	60,144	171
North Carolina	7,727	5,589	107	0	2,031	0	0	0	0
North Dakota	1,088	1,088	0	0	0	0	0	0	0
Ohio	68,665	5,427	59,655	0	1,434	0	2,149	0	0
Oklahoma	3,527	1,806	73	0	1,511	0	137	0	0
Oregon	4,049	1,691	289	0	2,069	0	0	0	0
Pennsylvania	63,315	5,334	12,499	0	9,285	0	36,197	0	0
Rhode Island	2,942	448	31	0	2,420	0	43	0	0
South Carolina	18,232	8,914	89	138	9,091	0	0	0	0
South Dakota	2,154	97	0	0	2,057	0	0	0	0
Tennessee	128,868	0	1,199	0	3,047	1,276	0	123,346	0
Texas	2,014,247	8,784	1,993,766	0	11,000	0	697	0	0
Utah	1,760	965	60	0	735	0	0	0	0
Vermont	2,126	6	0	0	2,120	0	0	0	0
Virginia	60,617	927	48,664	0	1,789	8,867	370	0	0
Washington	12,110	966	965	0	1,766	0	50	8,363	0
West Virginia	18,361	4,962	5,131	0	0	8,268	0	0	0
Wisconsin	10,469	2,049	3,986	0	4,434	0	0	0	0
Wyoming	941	941	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-86. Federal obligations for R&D plant for selected agencies, by State and category of performer supported: fiscal year 2000

[Dollars in thousands]

State	Total	Intra-mural [1]	Extramural						
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Outlying areas	5,562	1,107	2,350	0	2,105	0	0	0	0
Puerto Rico	3,212	1,107	0	0	2,105	0	0	0	0
Other areas	2,350	0	2,350	0	0	0	0	0	0
Offices abroad	727	727	0	0	0	0	0	0	0

[1] Federal installations

KEY: FFRDCs = Federally funded research and development centers

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 99 percent of total Federal R&D plant obligations in fiscal year 2000.

Geographic distribution of development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-87. Federal obligations for R&D plant, by State and selected agency: fiscal year 2000

[Dollars in thousands]

State	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA[1]	National Science Foundation
Total	4,489,276	86,635	200,517	48,010	810,754	219,588	1,329	11,875	21,000	2,873,000	216,568
Alabama	210,622	3,923	0	465	0	1,014	0	0	0	204,456	764
Alaska	295	295	0	0	0	0	0	0	0	0	0
Arizona	4,116	643	0	0	0	2,661	0	0	0	361	451
Arkansas	3,198	972	0	0	0	1,589	0	0	0	0	637
California	502,962	9,964	0	222	362,393	6,824	0	0	0	94,152	29,407
Colorado	34,628	1,995	3,134	34	1,599	2,504	0	115	0	1,598	23,649
Connecticut	91,041	182	0	0	268	0	0	266	0	89,605	720
Delaware	335	122	0	0	0	0	0	0	0	213	0
District of Columbia	29,994	1,100	0	135	0	1,439	0	0	8,529	1,166	17,625
Florida	238,305	2,330	0	375	0	5,928	0	0	577	226,969	2,126
Georgia	9,243	1,567	0	0	0	4,693	0	0	491	677	1,815
Hawaii	1,770	1,770	0	0	0	0	0	0	0	0	0
Idaho	27,158	405	0	10,008	16,734	0	0	0	0	11	0
Illinois	143,139	9,981	0	230	109,478	909	0	0	0	5,332	17,209
Indiana	12,164	403	0	0	540	2,237	0	0	0	8,695	289
Iowa	8,127	2,919	0	32	3,568	1,294	0	0	0	0	314
Kansas	3,005	678	0	0	28	1,956	0	0	0	0	343
Kentucky	2,564	0	0	0	0	2,419	0	0	0	0	145
Louisiana	11,692	1,655	0	0	0	754	0	0	0	9,283	0
Maine	1,480	51	0	0	0	1,284	0	0	0	0	145
Maryland	352,404	5,538	186,561	3,285	0	135,058	21	0	0	21,057	884
Massachusetts	41,626	739	0	0	4,920	4,713	0	0	0	16,123	15,131
Michigan	5,947	458	0	50	170	569	0	0	0	1,131	3,569
Minnesota	3,661	570	0	0	0	0	0	0	644	50	2,397
Mississippi	20,745	5,706	0	9	0	0	0	0	0	14,199	831
Missouri	3,146	347	0	0	0	1,953	100	0	0	122	624
Montana	2,384	1,421	0	0	0	0	0	0	0	109	854
Nebraska	3,424	818	0	0	0	1,991	0	0	0	0	615
Nevada	6,227	0	0	127	5,120	0	0	0	746	0	234
New Hampshire	4,143	128	2,497	125	0	1,000	0	0	0	63	330
New Jersey	46,384	0	0	15,885	9,068	2,397	1,198	11,494	0	4,599	1,743
New Mexico	122,219	6,516	0	50	91,552	0	0	0	0	23,982	119
New York	113,641	3,233	0	123	57,184	6,334	0	0	0	30,196	16,571
North Carolina	7,727	869	0	25	200	852	0	0	4,720	107	954
North Dakota	1,088	1,058	0	30	0	0	0	0	0	0	0
Ohio	68,665	170	0	4,726	0	12	0	0	3,404	58,919	1,434
Oklahoma	3,527	1,206	0	50	73	137	0	0	550	0	1,511
Oregon	4,049	800	0	0	100	700	0	0	891	189	1,369
Pennsylvania	63,315	1,926	0	139	4,266	4,190	0	0	0	11,564	41,230
Rhode Island	2,942	0	0	0	0	2,000	0	0	448	74	420
South Carolina	18,232	1,298	8,325	7,754	0	0	0	0	0	89	766
South Dakota	2,154	97	0	0	0	1,840	0	0	0	0	217
Tennessee	128,868	0	0	5	124,622	2,229	0	0	0	1,194	818
Texas	2,014,247	5,408	0	339	225	9,595	10	0	0	1,996,822	1,848
Utah	1,760	960	0	5	0	0	0	0	0	60	735
Vermont	2,126	0	0	6	0	1,999	0	0	0	0	121
Virginia	60,617	0	0	706	8,867	0	0	0	0	37,298	13,746
Washington	12,110	789	0	45	8,779	28	0	0	0	1,164	1,305
West Virginia	18,361	1,451	0	0	1,000	0	0	0	0	7,445	8,465
Wisconsin	10,469	2,049	0	70	0	2,441	0	0	0	3,926	1,983
Wyoming	941	941	0	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-87. Federal obligations for R&D plant, by State and selected agency: fiscal year 2000

[Dollars in thousands]

State	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA[1]	National Science Foundation
Outlying areas	5,562	1,062	0	2,350	0	2,045	0	0	0	0	105
Puerto Rico	3,212	1,062	0	0	0	2,045	0	0	0	0	105
Other areas	2,350	0	0	2,350	0	0	0	0	0	0	0
Offices abroad	727	122	0	605	0	0	0	0	0	0	0

[1] Beginning in FY 2000, the National Aeronautics and Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 99 percent of total Federal R&D plant obligations in fiscal year 2000.

Geographic distribution of development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-88. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	17,149,775	6,672,877	39	18,719,512	8,246,173	44	18,285,234	8,297,589	45
Departments:									
Department of Agriculture, total	1,151,605	679,642	59	1,256,720	752,911	60	1,268,154	774,638	61
Agricultural Marketing Service	4,662	1,865	40	5,164	1,925	37	5,164	1,965	38
Agricultural Research Service	826,373	467,644	57	918,114	511,389	56	922,032	541,509	59
Animal & Plant Hlth Inspection Svc	18,602	12,463	67	19,041	12,757	67	20,389	13,661	67
Cooperative State Research, Education, & Extension Service	33,676	9,832	29	43,589	12,883	30	33,805	11,987	35
Economic Research Service	55,043	41,841	76	56,793	43,513	77	60,100	45,745	76
Food Safety Inspection Service	2,332	104	4	0	0	0	0	0	0
Foreign Agricultural Service	808	808	100	808	748	93	808	808	100
Forest Service	201,345	140,000	70	202,345	164,000	81	214,345	153,000	71
Grain Inspection Packers & Stockyards Administration	3,620	788	22	5,483	1,206	22	6,016	1,322	22
Nat'l Agricultural Statistics Svc	3,644	2,797	77	3,813	2,920	77	3,895	3,041	78
Rural Business-Cooperative Svc	1,500	1,500	100	1,570	1,570	100	1,600	1,600	100
Department of Commerce, total	755,205	483,878	64	865,328	583,627	67	911,338	578,896	64
Bureau of the Census	13,000	8,710	67	300	6	2	0	0	0
Economic Development Admin	50	50	100	50	50	100	50	50	100
Nat'l Inst of Standards & Tech	230,819	151,783	66	247,322	167,606	68	255,854	175,331	69
Nat'l Oceanic & Atmospheric Admin	503,484	315,483	63	609,784	408,093	67	648,337	396,418	61
National Telecommunications & Information Administration	7,852	7,852	100	7,872	7,872	100	7,097	7,097	100
Department of Defense, total	8,086,844	2,140,975	26	8,753,501	3,254,699	37	7,898,702	3,134,478	40
Defense Agencies, total	1,570,811	398,801	25	1,779,798	413,993	23	1,525,492	425,331	28
Ballistic Missile Defense Org	583,212	103,112	18	728,197	100,695	14	515,433	96,869	19
Chemical and Biological Defense[1]	202,200	46,895	23	196,303	56,549	29	203,342	40,493	20
Defense Adv Rsch Projects Agcy	172,263	123,595	72	176,598	129,831	74	219,615	159,274	73
Defense Info Systems Agcy	53,256	35,134	66	51,926	37,024	71	64,035	36,930	58
Defense Logistics Agency	76,847	302	*	59,653	202	*	31,568	202	1
Defense Threat Reduction Agency	145,519	2	*	92,926	2	*	57,381	2	*
Joint Staff	51,967	2	*	92,406	2	*	59,962	1	*
Special Operations Command	81,710	9,053	11	87,660	10,220	12	77,769	8,719	11
TRICARE Management Activity[2]	3,453	1,900	55	6,234	4,540	73	4,855	3,294	68
Washington Headquarters Svcs	200,384	78,806	39	287,895	74,928	26	291,532	79,547	27
Department of the Air Force	1,205,991	339,636	28	1,286,707	335,085	26	1,078,607	335,984	31
Department of the Army	1,854,331	872,954	47	2,102,344	1,031,560	49	1,860,737	951,166	51
Department of the Navy	3,346,457	525,392	16	3,508,615	1,471,074	42	3,362,801	1,419,273	42
Operational Test & Evaluation, Director	11,429	108	1	69,265	2,576	4	71,065	2,724	4
Test & Evaluation, Deputy Under Secretary of Defense	97,825	4,084	4	6,772	411	6	0	0	0
Department of Education	10,029	7,052	70	10,702	7,392	69	10,623	7,417	70
Department of Energy	481,308	108,141	22	571,853	119,633	21	510,113	85,767	17

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs, total	3,302,976	1,417,766	43	3,711,510	1,627,005	44	4,133,710	1,748,501	42
Admin for Children & Families	1,876	591	32	1,916	604	32	1,956	616	31
Administration on Aging	69	69	100	91	91	100	0	0	0
Agency for Healthcare Research and Quality[3]	50,461	23,438	46	69,446	27,360	39	78,827	29,100	37
Agency for Toxic Substances Disease & Registry[4]	2,770	2,730	99	2,867	2,867	100	3,010	3,010	100
Centers for Disease Control & Prevention	280,159	238,135	85	328,077	278,866	85	331,092	281,429	85
Food & Drug Administration	112,222	101,000	90	117,713	106,000	90	123,219	111,000	90
Health Care Financing Admin	303	10	3	23	10	43	23	10	43
Health Resources & Services Admin	6,562	2,809	43	9,614	2,922	30	3,927	2,866	73
National Institutes of Health[5]	2,846,815	1,048,047	37	3,179,992	1,207,330	38	3,589,845	1,319,489	37
Office of the Secretary, total	1,738	936	54	1,770	954	54	1,810	980	54
Office of the Asst Secretary, Planning & Evaluation	1,336	534	40	1,360	544	40	1,384	554	40
Office of Public Hlth & Science	402	402	100	410	410	100	426	426	100
Substance Abuse & Mental Health Services Administration[6]	1	1	100	1	1	100	1	1	100
Dept of Housing & Urban Development	19,483	12,376	64	23,241	14,700	63	18,979	11,900	63
Department of the Interior, total	507,549	189,746	37	538,392	209,868	39	497,449	180,034	36
Bureau of Reclamation	7,805	4,530	58	8,055	3,926	49	6,663	3,249	49
Geological Survey	471,241	165,846	35	502,940	187,724	37	464,471	158,154	34
Minerals Management Service	7,089	5,114	72	10,033	6,174	62	8,677	6,417	74
National Park Service	21,414	14,256	67	17,364	12,044	69	17,638	12,214	69
Department of Justice, total	14,138	2,906	21	13,553	3,082	23	17,379	3,154	18
Bureau of Prisons	3,000	2,600	87	3,100	2,700	87	3,200	2,800	88
Federal Bureau of Investigation	9,953	47	*	9,193	48	1	13,194	48	*
Immigration & Naturalization Svc	250	250	100	325	325	100	300	300	100
Office of Justice Programs	935	9	1	935	9	1	685	6	1
Department of Labor, total	53,048	46,644	88	55,858	49,528	89	59,243	52,997	89
Bureau of Labor Statistics	8,400	2,275	27	8,400	2,360	28	8,400	2,444	29
Employment & Training Admin	41,405	41,405	100	44,015	44,015	100	47,314	47,314	100
Occupational Safety & Hlth Admin	2,002	2,002	100	2,076	2,076	100	2,151	2,151	100
Office of the Secretary	50	50	100	50	50	100	50	50	100
Pension & Welfare Benefits Admin	908	629	69	993	703	71	993	703	71
Pension Benefit Guaranty Corp	283	283	100	324	324	100	335	335	100
Department of State[7]	588	588	100	600	600	100	600	600	100
Department of Transportation, total	175,164	91,582	52	190,361	96,293	51	213,797	99,576	47
Coast Guard	12,761	8,131	64	14,997	8,901	59	14,352	9,341	65
Federal Aviation Administration	73,733	53,618	73	76,909	55,909	73	81,982	60,982	74
Federal Highway Administration	27,812	9,852	35	29,077	11,744	40	48,702	8,744	18
Federal Motor Carrier Safety Administration[8]	425	159	37	998	373	37	1,964	734	37
Federal Railroad Administration	13,512	1,858	14	12,473	2,057	16	12,983	2,248	17
Federal Transit Administration	2,475	2,475	100	2,594	2,594	100	5,120	720	14
National Highway Traffic Safety Administration	36,446	11,664	32	34,721	11,143	32	37,787	12,092	32
Office of the Secretary	4,034	2,040	51	12,922	1,919	15	5,193	2,761	53
Research & Special Programs Admin	3,966	1,785	45	5,670	1,653	29	5,714	1,954	34
Department of the Treasury, total	42,222	37,595	89	56,794	51,070	90	59,546	53,682	90
Bureau of Engraving & Printing	2,847	90	3	3,469	127	4	3,500	127	4
Internal Revenue Service	37,430	35,600	95	51,323	49,007	95	53,892	51,459	95
Office of Thrift Supervision	128	99	77	209	163	78	219	171	78
United States Customs Service	900	900	100	1,000	1,000	100	1,000	1,000	100
United States Mint	131	120	92	120	100	83	110	100	91
United States Secret Service	786	786	100	673	673	100	825	825	100
Department of Veterans Affairs	341,664	175,068	51	350,228	177,811	51	360,237	183,541	51

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Other agencies:									
Appalachian Regional Commission	10	10	100	1	1	100	10	10	100
Broadcasting Board of Governors[9]	84	5	6	5	1	20	100	10	10
Environmental Protection Agency[4]	319,500	164,659	52	342,100	173,185	51	321,020	170,011	53
Federal Communications Commission	2,789	2,789	100	1,992	1,992	100	1,348	1,348	100
Federal Trade Commission	674	476	71	1,272	898	71	1,484	1,046	70
Internat'l Development Cooperation Agency, total	25,824	19,508	76	27,515	21,510	78	27,515	21,511	78
Agcy for Internat'l Development[10]	25,824	19,508	76	27,515	21,510	78	27,515	21,511	78
Library of Congress	2,229	1,087	49	1,302	717	55	1,384	738	53
National Aeronautics & Space Administration[11]	1,720,475	995,153	58	1,805,225	1,001,032	55	1,814,850	1,073,630	59
National Archives & Records Admin	120	120	100	120	120	100	120	120	100
National Science Foundation	18,415	13,034	71	20,312	14,218	70	20,331	14,233	70
Nuclear Regulatory Commission	14,455	13,000	90	15,527	13,780	89	16,102	14,351	89
Smithsonian Institution	98,000	63,700	65	100,000	65,000	65	102,000	66,300	65
Social Security Administration	5,377	5,377	100	5,500	5,500	100	19,100	19,100	100

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

6 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

7 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

8 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

9 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

10 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

11 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: * = Amount less than 0.5 percent

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-89. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	3,621,789	1,605,805	44	3,953,734	1,811,069	46	4,270,783	1,924,872	45
Departments:									
Department of Agriculture, total	551,588	320,060	58	605,466	355,021	59	608,550	366,703	60
Agricultural Research Service	446,242	252,528	57	495,783	276,150	56	497,898	292,415	59
Cooperative State Research, Education, & Extension Service	12,323	4,375	36	16,486	5,733	35	12,377	5,334	43
Economic Research Service	6,415	4,184	65	6,589	4,351	66	6,720	4,575	68
Food Safety Inspection Service	410	9	2	0	0	0	0	0	0
Foreign Agricultural Service	585	585	100	585	525	90	585	585	100
Forest Service	84,344	57,400	68	84,754	67,240	79	89,674	62,730	70
Nat'l Agricultural Statistics Svc	1,269	979	77	1,269	1,022	81	1,296	1,064	82
Department of Commerce, total	41,914	29,126	69	42,744	30,734	72	48,151	34,451	72
Bureau of the Census	1,766	1,183	67	41	2	5	0	0	0
Nat'l Inst of Standards & Tech	36,393	26,259	72	38,759	28,919	75	44,207	32,638	74
Nat'l Oceanic & Atmospheric Admin	3,755	1,684	45	3,944	1,813	46	3,944	1,813	46
Department of Defense, total	391,577	149,306	38	437,880	150,807	34	423,193	172,768	41
Defense Agencies, total	59,022	18,538	31	94,485	24,468	26	68,249	28,578	42
Chemical and Biological Defense[1]	27,154	4,438	16	25,808	4,451	17	14,973	7,150	48
Defense Adv Rsch Projects Agcy	5,723	4,292	75	11,974	8,981	75	12,733	9,550	75
TRICARE Management Activity[2]	3,453	1,900	55	4,942	3,248	66	3,461	1,900	55
Washington Headquarters Svcs	22,692	7,908	35	51,761	7,788	15	37,082	9,978	27
Department of the Air Force	117,072	14,467	12	124,546	14,581	12	113,439	15,081	13
Department of the Army	102,095	66,501	65	95,324	57,506	60	113,887	73,059	64
Department of the Navy	113,388	49,800	44	123,525	54,252	44	127,618	56,050	44
Department of Education	112	78	70	112	78	70	98	69	70
Department of Energy	31,108	1,120	4	49,604	1,399	3	45,560	1,096	2
Dept of Health & Human Svcs, total	1,696,766	623,701	37	1,884,459	715,930	38	2,118,896	782,328	37
Agency for Healthcare Research and Quality[3]	1	1	100	0	0	0	0	0	0
Health Resources & Services Admin	1,160	1,160	100	1,190	1,190	100	1,190	1,190	100
National Institutes of Health[4]	1,695,605	622,540	37	1,883,269	714,740	38	2,117,706	781,138	37
Department of the Interior, total	48,334	7,387	15	50,087	8,645	17	50,160	7,679	15
Geological Survey	48,209	7,342	15	49,963	8,601	17	49,886	7,585	15
National Park Service	125	45	36	124	44	35	274	94	34
Department of Justice, total	300	3	1	300	3	1	300	3	1
Office of Justice Programs	300	3	1	300	3	1	300	3	1
Department of Labor, total	7,100	1,315	19	7,100	1,400	20	7,100	1,450	20
Bureau of Labor Statistics	7,100	1,315	19	7,100	1,400	20	7,100	1,450	20
Department of Transportation, total	4,426	1,762	40	6,811	1,762	26	15,946	1,762	11
Federal Highway Administration	4,426	1,762	40	6,811	1,762	26	15,946	1,762	11
Department of the Treasury, total	10	9	90	27	17	63	30	17	57
Bureau of Engraving & Printing	10	9	90	27	17	63	30	17	57
Department of Veterans Affairs	149,241	76,471	51	153,324	77,843	51	157,690	80,343	51

See explanatory information, if any, and SOURCE at end of table.

Table C-89. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Other agencies:									
Environmental Protection Agency[5]	37,278	19,216	52	39,915	20,263	51	37,455	19,891	53
Internat'l Development Cooperation Agency, total	11	8	73	15	10	67	15	11	73
Agcy for Internat'l Development[6]	11	8	73	15	10	67	15	11	73
National Aeronautics & Space Administration[7]	546,142	300,026	55	556,208	368,380	66	635,934	376,206	59
National Science Foundation	17,882	12,517	70	19,682	13,777	70	19,705	13,795	70
Smithsonian Institution	98,000	63,700	65	100,000	65,000	65	102,000	66,300	65

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

7 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-90. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	5,827,774	3,063,304	53	6,479,420	3,470,516	54	6,430,268	3,464,299	54
Departments:									
Department of Agriculture, total	471,851	284,547	60	513,074	314,928	61	517,617	322,790	62
Agricultural Marketing Service	3,888	1,625	42	4,401	1,670	38	4,401	1,695	39
Agricultural Research Service	305,758	173,028	57	339,702	189,214	56	341,152	200,358	59
Cooperative State Research, Education, & Extension Service	21,353	5,457	26	27,103	7,150	26	21,428	6,653	31
Economic Research Service	48,628	37,657	77	50,204	39,162	78	53,380	41,170	77
Food Safety Inspection Service	1,625	81	5	0	0	0	0	0	0
Foreign Agricultural Service	223	223	100	223	223	100	223	223	100
Forest Service	85,781	63,000	73	86,231	73,800	86	91,631	68,850	75
Grain Inspection Packers & Stockyards Administration	720	158	22	1,096	241	22	1,203	264	22
Nat'l Agricultural Statistics Svc	2,375	1,818	77	2,544	1,898	75	2,599	1,977	76
Rural Business-Cooperative Svc	1,500	1,500	100	1,570	1,570	100	1,600	1,600	100
Department of Commerce, total	666,255	417,511	63	777,855	524,175	67	821,718	519,587	63
Bureau of the Census	2,519	1,688	67	71	2	3	0	0	0
Economic Development Admin	50	50	100	50	50	100	50	50	100
Nat'l Inst of Standards & Tech	178,595	114,211	64	191,970	126,003	66	202,083	135,293	67
Nat'l Oceanic & Atmospheric Admin	481,061	297,532	62	581,532	393,888	68	615,585	380,244	62
National Telecommunications & Information Administration	4,030	4,030	100	4,232	4,232	100	4,000	4,000	100
Department of Defense, total	1,356,866	727,203	54	1,440,880	851,543	59	1,265,442	781,698	62
Defense Agencies, total	257,747	74,872	29	212,067	83,778	40	221,379	98,836	45
Ballistic Missile Defense Org	19,168	3,368	18	15,102	3,380	22	7,292	3,318	46
Chemical and Biological Defense[1]	56,466	16,134	29	57,232	24,995	44	66,793	22,938	34
Defense Adv Rsch Projects Agcy	67,774	50,831	75	68,074	51,056	75	89,123	66,842	75
Defense Info Systems Agcy	57	1	2	51	1	2	0	0	0
Defense Logistics Agency	6,174	1	*	7,697	1	*	8,834	1	*
Defense Threat Reduction Agency	91,001	1	*	44,780	1	*	21,141	1	*
Special Operations Command	6,067	672	11	6,353	694	11	5,964	906	15
Washington Headquarters Svcs	11,040	3,864	35	12,778	3,650	29	22,232	4,830	22
Department of the Air Force	413,313	217,881	53	430,005	226,510	53	399,887	231,293	58
Department of the Army	433,581	288,235	66	512,801	375,457	73	406,433	313,749	77
Department of the Navy	252,225	146,215	58	286,007	165,798	58	237,743	137,820	58
Department of Education	6,403	4,504	70	6,864	4,725	69	6,993	4,900	70
Department of Energy	167,393	31,511	19	216,109	33,184	15	228,383	27,169	12

See explanatory information, if any, and SOURCE at end of table.

Table C-90. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs, total	1,593,881	781,736	49	1,810,452	894,476	49	1,996,012	947,371	47
Admin for Children & Families	1,876	591	32	1,916	604	32	1,956	616	31
Administration on Aging	69	69	100	91	91	100	0	0	0
Agency for Healthcare Research and Quality[2]	38,534	11,511	30	53,258	11,172	21	60,452	10,725	18
Agency for Toxic Substances Disease & Registry[3]	2,770	2,730	99	2,867	2,867	100	3,010	3,010	100
Centers for Disease Control & Prevention	280,159	238,135	85	328,077	278,866	85	331,092	281,429	85
Food & Drug Administration	112,222	101,000	90	117,713	106,000	90	123,219	111,000	90
Health Care Financing Admin	303	10	3	23	10	43	23	10	43
Health Resources & Services Admin	5,402	1,649	31	8,424	1,732	21	2,737	1,676	61
National Institutes of Health[4]	1,151,210	425,507	37	1,296,723	492,590	38	1,472,139	538,351	37
Office of the Secretary, total	1,336	534	40	1,360	544	40	1,384	554	40
Office of the Asst Secretary, Planning & Evaluation	1,336	534	40	1,360	544	40	1,384	554	40
Dept of Housing & Urban Development	9,550	6,750	71	11,675	8,200	70	9,483	6,600	70
Department of the Interior, total	431,386	170,397	39	455,771	183,879	40	416,771	156,429	38
Bureau of Reclamation	6,203	4,117	66	6,405	3,503	55	5,298	2,898	55
Geological Survey	396,805	146,955	37	422,093	162,202	38	385,432	134,994	35
Minerals Management Service	7,089	5,114	72	10,033	6,174	62	8,677	6,417	74
National Park Service	21,289	14,211	67	17,240	12,000	70	17,364	12,120	70
Department of Justice, total	3,025	2,205	73	3,125	2,305	74	2,975	2,402	81
Bureau of Prisons	2,500	2,200	88	2,600	2,300	88	2,700	2,400	89
Office of Justice Programs	525	5	1	525	5	1	275	2	1
Department of Labor, total	28,618	27,999	98	29,998	29,368	98	31,143	30,547	98
Bureau of Labor Statistics	1,300	960	74	1,300	960	74	1,300	994	76
Employment & Training Admin	24,328	24,328	100	25,547	25,547	100	26,615	26,615	100
Occupational Safety & Hlth Admin	2,002	2,002	100	2,076	2,076	100	2,151	2,151	100
Office of the Secretary	25	25	100	25	25	100	25	25	100
Pension & Welfare Benefits Admin	908	629	69	993	703	71	993	703	71
Pension Benefit Guaranty Corp	55	55	100	57	57	100	59	59	100
Department of State[5]	588	588	100	600	600	100	600	600	100
Department of Transportation, total	134,465	69,601	52	138,565	70,665	51	145,957	73,924	51
Coast Guard	3,654	2,560	70	3,802	2,225	59	3,638	2,335	64
Federal Aviation Administration	66,252	46,137	70	67,988	46,988	69	72,939	51,939	71
Federal Highway Administration	11,605	5,879	51	15,034	6,459	43	13,769	3,459	25
Federal Motor Carrier Safety Administration[6]	387	145	37	916	342	37	1,627	608	37
Federal Railroad Administration	13,462	1,851	14	11,535	1,869	16	12,162	2,101	17
Federal Transit Administration	0	0	0	519	519	100	0	0	0
National Highway Traffic Safety Administration	36,446	11,664	32	34,721	11,143	32	37,787	12,092	32
Research & Special Programs Admin	2,659	1,365	51	4,050	1,120	28	4,035	1,390	34
Department of the Treasury, total	39,240	34,986	89	53,580	48,344	90	56,218	50,860	90
Bureau of Engraving & Printing	2,643	68	3	3,177	93	3	3,192	93	3
Internal Revenue Service	35,683	34,033	95	49,221	47,115	96	51,682	49,471	96
Office of Thrift Supervision	128	99	77	209	163	78	219	171	78
United States Customs Service	0	0	0	300	300	100	300	300	100
United States Secret Service	786	786	100	673	673	100	825	825	100
Department of Veterans Affairs	185,399	94,998	51	189,884	96,404	51	195,333	99,522	51

See explanatory information, if any, and SOURCE at end of table.

Table C-90. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Other agencies:									
Appalachian Regional Commission	10	10	100	1	1	100	10	10	100
Broadcasting Board of Governors[7]	84	5	6	5	1	20	100	10	10
Environmental Protection Agency[3]	224,005	115,442	52	239,850	121,402	51	225,071	119,178	53
Federal Communications Commission	2,789	2,789	100	1,992	1,992	100	1,348	1,348	100
Federal Trade Commission	674	476	71	1,272	898	71	1,484	1,046	70
Internat'l Development Cooperation Agency, total	23,358	17,500	75	25,000	20,000	80	25,000	20,000	80
Agcy for Internat'l Development[8]	23,358	17,500	75	25,000	20,000	80	25,000	20,000	80
Library of Congress	601	362	60	416	334	80	463	336	73
National Aeronautics & Space Administration[9]	460,848	253,170	55	540,675	243,251	45	446,199	263,963	59
National Archives & Records Admin	120	120	100	120	120	100	120	120	100
National Science Foundation	533	517	97	630	441	70	626	438	70
Nuclear Regulatory Commission	14,455	13,000	90	15,527	13,780	89	16,102	14,351	89
Social Security Administration	5,377	5,377	100	5,500	5,500	100	19,100	19,100	100

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

3 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

4 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

5 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: * = Amount less than 0.5 percent

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-91. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	7,700,212	2,003,768	26	8,286,358	2,964,588	36	7,584,183	2,908,418	38
Departments:									
Department of Agriculture, total	128,166	75,035	59	138,180	82,962	60	141,987	85,145	60
Agricultural Marketing Service	774	240	31	763	255	33	763	270	35
Agricultural Research Service	74,373	42,088	57	82,629	46,025	56	82,982	48,736	59
Animal & Plant Hlth Inspection Svc	18,602	12,463	67	19,041	12,757	67	20,389	13,661	67
Food Safety Inspection Service	297	14	5	0	0	0	0	0	0
Forest Service	31,220	19,600	63	31,360	22,960	73	33,040	21,420	65
Grain Inspection Packers & Stockyards Administration	2,900	630	22	4,387	965	22	4,813	1,058	22
Department of Commerce, total	47,036	37,241	79	44,729	28,718	64	41,469	24,858	60
Bureau of the Census	8,715	5,839	67	188	2	1	0	0	0
Nat'l Inst of Standards & Tech	15,831	11,313	71	16,593	12,684	76	9,564	7,400	77
Nat'l Oceanic & Atmospheric Admin	18,668	16,267	87	24,308	12,392	51	28,808	14,361	50
National Telecommunications & Information Administration	3,822	3,822	100	3,640	3,640	100	3,097	3,097	100
Department of Defense, total	6,338,401	1,264,466	20	6,874,741	2,252,349	33	6,210,067	2,180,012	35
Defense Agencies, total	1,254,042	305,391	24	1,473,246	305,747	21	1,235,864	297,917	24
Ballistic Missile Defense Org	564,044	99,744	18	713,095	97,315	14	508,141	93,551	18
Chemical and Biological Defense[1]	118,580	26,323	22	113,263	27,103	24	121,576	10,405	9
Defense Adv Rsch Projects Agcy	98,766	68,472	69	96,550	69,794	72	117,759	82,882	70
Defense Info Systems Agcy	53,199	35,133	66	51,875	37,023	71	64,035	36,930	58
Defense Logistics Agency	70,673	301	*	51,956	201	*	22,734	201	1
Defense Threat Reduction Agency	54,518	1	*	48,146	1	*	36,240	1	*
Joint Staff	51,967	2	*	92,406	2	*	59,962	1	*
Special Operations Command	75,643	8,381	11	81,307	9,526	12	71,805	7,813	11
TRICARE Management Activity[2]	0	0	0	1,292	1,292	100	1,394	1,394	100
Washington Headquarters Svcs	166,652	67,034	40	223,356	63,490	28	232,218	64,739	28
Department of the Air Force	675,606	107,288	16	732,156	93,994	13	565,281	89,610	16
Department of the Army	1,318,655	518,218	39	1,494,219	598,597	40	1,340,417	564,358	42
Department of the Navy[3]	2,980,844	329,377	11	3,099,083	1,251,024	40	2,997,440	1,225,403	41
Operational Test & Evaluation, Director	11,429	108	1	69,265	2,576	4	71,065	2,724	4
Test & Evaluation, Deputy Under Secretary of Defense	97,825	4,084	4	6,772	411	6	0	0	0
Department of Defense, total advanced technology	1,133,024	440,014	39	1,171,764	486,030	41	943,424	429,709	46
Defense Agencies, total	449,593	132,210	29	446,405	130,428	29	433,340	137,488	32
Ballistic Missile Defense Organization	63,613	15,174	24	46,685	14,931	32	24,697	14,877	60
Chemical and Biological Defense[1]	27,957	7,791	28	26,063	7,738	30	30,637	2,169	7
Defense Advanced Research Projects Agency	69,327	51,995	75	69,790	52,343	75	86,098	64,574	75
Defense Logistics Agency	29,430	300	1	32,154	200	1	22,634	200	1
Defense Threat Reduction Agency	54,518	1	*	48,146	1	*	36,240	1	*
Joint Staff	31,546	1	*	50,698	1	*	59,962	1	*
Special Operations Command	31,770	3,520	11	33,872	3,034	9	33,123	3,429	10
Washington Headquarters Services	141,432	53,428	38	138,997	52,180	38	139,949	52,237	37
Department of the Air Force	187,644	52,891	28	169,362	58,693	35	150,670	58,525	39
Department of the Army[4]	323,497	191,614	59	356,845	223,741	63	221,096	182,878	83
Department of the Navy	172,290	63,299	37	199,152	73,168	37	138,318	50,818	37

See explanatory information, if any, and SOURCE at end of table.

Table C-91. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of Defense, total major systems	5,205,377	824,452	16	5,702,977	1,766,319	31	5,266,643	1,750,303	33
Defense Agencies, total	804,449	173,181	22	1,026,841	175,319	17	802,524	160,429	20
Ballistic Missile Defense Organization	500,431	84,570	17	666,410	82,384	12	483,444	78,674	16
Chemical and Biological Defense[1]	90,623	18,532	20	87,200	19,365	22	90,939	8,236	9
Defense Advanced Research Projects Agency	29,439	16,477	56	26,760	17,451	65	31,661	18,308	58
Defense Information Systems Agency	53,199	35,133	66	51,875	37,023	71	64,035	36,930	58
Defense Logistics Agency	41,243	1	*	19,802	1	*	100	1	1
Joint Staff	20,421	1	*	41,708	1	*	0	0	0
Special Operations Command	43,873	4,861	11	47,435	6,492	14	38,682	4,384	11
TRICARE Management Activity[2]	0	0	0	1,292	1,292	100	1,394	1,394	100
Washington Headquarters Services	25,220	13,606	54	84,359	11,310	13	92,269	12,502	14
Department of the Air Force	487,962	54,397	11	562,794	35,301	6	414,611	31,085	7
Department of the Army	995,158	326,604	33	1,137,374	374,856	33	1,119,321	381,480	34
Department of the Navy[3]	2,808,554	266,078	9	2,899,931	1,177,856	41	2,859,122	1,174,585	41
Operational Test & Evaluation, Director	11,429	108	1	69,265	2,576	4	71,065	2,724	4
Test & Evaluation, Deputy Under Secretary of Defense	97,825	4,084	4	6,772	411	6	0	0	0
Department of Education	3,514	2,470	70	3,726	2,589	69	3,532	2,448	69
Department of Energy	282,807	75,510	27	306,140	85,050	28	236,170	57,502	24
Dept of Health & Human Svcs, total	12,329	12,329	100	16,599	16,599	100	18,802	18,802	100
Agency for Healthcare Research and Quality[5]	11,926	11,926	100	16,188	16,188	100	18,375	18,375	100
Office of the Secretary, total	402	402	100	410	410	100	426	426	100
Office of Public Hlth & Science	402	402	100	410	410	100	426	426	100
Substance Abuse & Mental Health Services Administration[6]	1	1	100	1	1	100	1	1	100
Dept of Housing & Urban Development	9,933	5,626	57	11,566	6,500	56	9,496	5,300	56
Department of the Interior, total	27,829	11,962	43	32,534	17,344	53	30,518	15,926	52
Bureau of Reclamation	1,602	413	26	1,650	423	26	1,365	351	26
Geological Survey	26,227	11,549	44	30,884	16,921	55	29,153	15,575	53
Department of Justice, total	10,813	698	6	10,128	774	8	14,104	749	5
Bureau of Prisons	500	400	80	500	400	80	500	400	80
Federal Bureau of Investigation	9,953	47	*	9,193	48	1	13,194	48	*
Immigration & Naturalization Svc	250	250	100	325	325	100	300	300	100
Office of Justice Programs	110	1	1	110	1	1	110	1	1
Department of Labor, total	17,330	17,330	100	18,760	18,760	100	21,000	21,000	100
Employment & Training Admin	17,077	17,077	100	18,468	18,468	100	20,699	20,699	100
Office of the Secretary	25	25	100	25	25	100	25	25	100
Pension Benefit Guaranty Corp	228	228	100	267	267	100	276	276	100
Department of Transportation, total	36,273	20,219	56	44,985	23,866	53	51,894	23,890	46
Coast Guard	9,107	5,571	61	11,195	6,676	60	10,714	7,006	65
Federal Aviation Administration	7,481	7,481	100	8,921	8,921	100	9,043	9,043	100
Federal Highway Administration	11,781	2,211	19	7,232	3,523	49	18,987	3,523	19
Federal Motor Carrier Safety Administration[7]	38	14	37	82	31	38	337	126	37
Federal Railroad Administration	50	7	14	938	188	20	821	147	18
Federal Transit Administration	2,475	2,475	100	2,075	2,075	100	5,120	720	14
Office of the Secretary	4,034	2,040	51	12,922	1,919	15	5,193	2,761	53
Research & Special Programs Admin	1,307	420	32	1,620	533	33	1,679	564	34

See explanatory information, if any, and SOURCE at end of table.

Table C-91. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 2000, 2001, and 2002

[Dollars in thousands]

Agency and subdivision	2000			Preliminary					
				2001			2002		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of the Treasury, total	2,972	2,600	87	3,187	2,709	85	3,298	2,805	85
Bureau of Engraving & Printing	194	13	7	265	17	6	278	17	6
Internal Revenue Service	1,747	1,567	90	2,102	1,892	90	2,210	1,988	90
United States Customs Service	900	900	100	700	700	100	700	700	100
United States Mint	131	120	92	120	100	83	110	100	91
Department of Veterans Affairs	7,024	3,599	51	7,020	3,564	51	7,214	3,676	51
Other agencies:									
Environmental Protection Agency[8]	58,217	30,001	52	62,335	31,520	51	58,494	30,942	53
Internat'l Development Cooperation Agency, total	2,455	2,000	81	2,500	1,500	60	2,500	1,500	60
Agcy for Internat'l Development[9]	2,455	2,000	81	2,500	1,500	60	2,500	1,500	60
Library of Congress	1,628	725	45	886	383	43	921	402	44
National Aeronautics & Space Administration[10]	713,485	441,957	62	708,342	389,401	55	732,717	433,461	59

1 Prior to fiscal year 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.

2 TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.

3 The increase in the Department of the Navy's major systems development is due to increased requirements, increased funding, and new guidance effective in fiscal year 2001.

4 The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes the funds are shown in the advanced technology total for the Department of the Army.

5 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

6 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

7 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

8 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

9 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

10 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: * = Amount less than 0.5 percent

NOTES: Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-92. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	34,065.9	35,766.8	37,959.4	41,330.1	45,860.3	52,090.3	53,214.2	56,556.6	61,476.4	64,151.1	63,676.4
Departments:											
Dept of Agriculture, total	782.5	828.4	858.8	893.5	923.2	953.0	994.0	1,049.7	1,129.8	1,196.7	1,269.4
Agricultural Cooperative Svc	1.3	1.7	2.1	2.2	2.9	2.6	2.8	2.7	2.8	2.7	2.8
Agricultural Marketing Svc	1.2	1.5	.6	1.7	1.3	1.7	1.4	1.6	1.5	2.7	3.7
Agricultural Research Svc	425.9	436.1	469.4	479.3	492.9	500.5	526.5	540.4	579.7	603.4	622.9
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	4.2	4.9	6.2	7.7	14.0	15.7
Cooperative State Research, Ed, & Extension Service	199.0	219.8	220.4	239.5	243.6	256.5	274.1	294.8	336.9	361.9	395.6
Economic Research Service	38.0	37.0	36.8	40.9	45.1	46.0	43.2	47.2	50.0	50.7	53.0
Forest Service	101.8	116.0	111.1	109.2	113.8	113.5	120.7	138.0	136.4	144.5	159.8
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.9	1.0	1.2	1.0	1.1	.6	.7
Human Nutrition Info Svc	.0	3.8	5.8	7.9	7.2	10.6	9.6	8.2	8.4	9.0	8.9
Nat'l Agri Statistics Svc	7.5	7.0	7.6	8.2	8.4	8.0	3.5	3.6	2.8	2.7	3.2
Office of International Cooperation & Development	6.9	4.6	4.1	3.6	5.8	7.5	5.1	5.0	2.5	4.3	3.1
Office of Transportation	.9	.9	.8	1.0	1.3	1.0	1.0	1.1	NA	NA	NA
Department of Commerce, total	346.8	286.5	335.2	336.3	377.8	380.1	311.1	389.4	403.2	441.5	500.7
Bureau of the Census	3.8	3.7	4.3	4.4	4.8	4.6	4.5	5.6	5.0	6.7	6.6
Economic Development Admin	35.5	12.1	5.3	5.1	7.8	7.8	7.2	2.7	1.3	1.5	1.0
National Institute of Standards & Technology	84.4	87.6	94.0	103.3	106.5	109.2	102.1	111.4	121.5	120.3	144.1
National Oceanic & Atmospheric Administration	209.0	174.1	222.0	214.7	249.1	248.7	189.2	263.5	269.1	306.7	345.3
National Telecommunications & Information Administration	12.9	8.0	9.6	8.6	9.0	8.5	7.8	6.1	6.2	6.2	3.6
Office of the Secretary	.1	.2	-	.1	.6	1.2	.3	.1	.1	-	-
Patent & Trademark Office	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	15,993.0	18,482.9	21,373.5	22,999.4	27,143.7	32,491.1	33,611.8	34,573.0	36,869.1	37,140.0	33,447.2
Defense Agencies	1,160.0	1,420.0	1,817.3	1,217.8	2,290.0	4,068.2	4,995.8	5,690.3	6,501.3	6,853.6	6,685.3
Department of the Air Force	6,756.6	8,209.1	9,640.9	10,849.7	12,263.7	14,133.1	14,101.0	14,774.5	15,390.5	14,888.1	13,043.8
Department of the Army	3,123.7	3,414.4	3,848.5	4,017.4	4,230.0	4,278.5	5,009.7	4,899.6	5,241.3	5,797.1	5,724.5
Department of the Navy	4,916.9	5,394.7	6,023.5	6,859.8	8,304.9	9,939.8	9,422.1	9,081.9	9,559.5	9,453.5	7,902.0
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	.0	4.4	7.2	31.6	32.0	22.3
Test & Evaluation, Deputy Under Secretary of Defense	35.7	44.8	43.3	54.7	55.1	71.6	78.8	119.6	145.0	115.8	69.4
Department of Education	111.8	150.1	111.5	181.3	95.7	125.3	138.3	142.9	155.7	150.7	117.2
Department of Energy	6,125.9	5,785.4	5,641.9	5,656.4	5,803.0	5,381.7	5,432.7	5,743.7	6,039.0	6,365.3	6,827.1

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Department of Health & Human Services, total	3,997.5	4,052.1	4,118.6	4,484.9	5,049.6	5,531.4	5,751.0	6,923.2	7,773.4	8,363.8	9,822.1
Agency for Healthcare Research and Quality	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3	11.9
Alcohol, Drug Abuse, & Mental Health Administration	251.1	292.0	289.8	276.1	349.8	396.6	476.1	554.8	695.7	842.7	1,460.6
Centers for Disease Control & Prevention	83.0	88.4	80.4	46.3	47.6	52.7	66.2	88.7	117.8	95.6	113.4
Food & Drug Administration	57.6	59.4	75.6	86.9	96.2	89.1	85.6	91.3	96.0	95.0	143.5
Health Care Financing Admin	35.4	29.1	30.2	33.1	33.5	28.1	36.1	31.4	32.5	14.4	21.7
Health Resources Admin	3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	17.5	16.3	13.4	16.0	13.0	9.2	10.0	10.5	11.9	11.0
Health Services Admin	16.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	85.5	33.0	22.3	15.4	21.4	52.0	51.1	50.9	73.3	76.7	NA
National Insts of Health	3,392.2	3,475.0	3,562.9	3,981.1	4,446.3	4,867.2	4,985.2	6,060.2	6,699.0	7,181.1	7,890.4
Office of the Assistant Secretary for Health	37.2	29.0	16.9	11.5	15.8	21.6	23.5	20.0	26.0	22.3	18.2
Office of the Secretary	19.5	13.4	14.4	10.4	9.6	6.1	8.2	4.7	7.8	5.0	8.8
Social Security Admin	15.4	15.4	9.6	10.7	13.3	5.0	9.8	11.1	14.8	13.9	11.9
Dept of Housing & Urban Dvlpmt	54.1	37.0	30.9	24.9	18.6	13.9	19.7	14.9	20.7	21.7	18.1
Dept of the Interior, total	436.9	394.9	412.7	435.9	417.0	445.4	394.7	419.6	485.3	503.0	556.2
Bonneville Power Admin	14.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.9	5.3	3.9	3.8	4.4	3.4	3.6	3.7	3.0	2.8	8.8
Bureau of Mines	109.0	105.2	102.0	111.4	100.4	131.0	91.2	87.6	92.6	96.7	97.7
Bureau of Reclamation	13.4	10.7	11.1	10.1	10.5	12.0	10.6	4.4	4.2	5.8	8.7
Geological Survey	168.2	150.1	171.4	228.4	230.8	226.5	211.2	238.6	300.9	301.3	319.5
Minerals Management Service	NA	.0	1.3	1.5	1.5	1.1	1.0	1.2	1.9	2.0	2.7
National Park Service	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1	27.5
Office of the Secretary	2.0	.4	1.3	.6	.3	.6	2.0	.4	.4	.2	.6
Office of Surface Mining Reclamation & Enforcement	5.8	1.4	1.5	.8	2.0	2.3	1.0	1.0	.7	.8	1.0
Office of Water Rsch & Tech	21.8	20.3	8.3	2.6	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	90.5	90.4	98.3	62.8	52.1	51.2	55.7	63.3	62.2	73.3	89.7
Department of Justice, total	26.1	36.6	27.6	26.5	32.7	32.1	39.0	48.1	36.0	38.2	40.4
Bureau of Prisons	2.5	1.7	1.7	1.6	1.5	3.0	6.9	6.0	3.8	3.2	5.7
Drug Enforcement Admin	1.2	2.7	2.5	2.0	1.6	2.5	2.2	2.5	2.7	2.4	2.8
Fed Bureau of Investigation	1.5	1.1	1.9	2.5	8.9	6.9	6.9	12.7	6.5	8.2	10.8
Immigration & Naturalization Service	1.0	.3	.2	.6	.4	.4	.4	5.2	.4	.4	.4
Office of Justice Programs	19.2	30.4	21.1	19.6	20.1	19.2	22.4	21.6	22.5	24.0	20.7
Office of Legal Policy	.7	.4	.2	.3	.2	.2	.2	.0	.0	.0	.0
Department of Labor, total	61.6	29.4	16.8	14.1	13.7	10.9	20.3	31.8	28.9	45.2	45.6
Bureau of Labor Statistics	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3	7.5
Employment Standards Admin	3.0	1.3	1.3	1.3	-	.0	1.0	.1	.1	.1	.0
Employment & Training Admin	52.1	20.2	6.0	3.5	4.5	3.4	4.4	11.2	9.2	25.6	23.7
Labor-Management Relations & Cooperative Programs	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA	NA
Labor-Management Services Administration	1.7	.7	.9	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5	2.6
Office of the Secretary	1.0	.9	1.5	1.9	2.6	2.1	2.7	6.1	6.1	7.1	8.7
Pension & Welfare Benefits Administration	NA	NA	NA	1.2	1.1	.9	1.0	2.6	1.3	2.1	2.5
Pension Benefit Guaranty Corp	.5	1.1	1.1	.3	.2	.1	.3	.3	.3	.5	.5
Department of State, total	1.8	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7	5.9
Departmental Funds	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Dept of Transportation, total	432.1	360.0	282.3	357.5	430.2	445.2	347.7	332.1	291.5	287.3	361.0
Coast Guard	25.9	20.0	19.6	19.5	19.0	16.7	17.8	14.9	18.1	21.4	14.9
Federal Aviation Admin	125.9	110.9	99.5	167.5	283.7	317.6	190.5	190.2	153.5	185.5	216.0
Federal Highway Admin	59.1	42.5	32.5	51.1	47.5	46.1	76.3	60.1	76.5	44.0	86.1
Federal Railroad Admin	55.0	25.6	18.5	14.7	16.2	15.4	10.9	10.6	7.0	7.0	14.3
Federal Transit Admin	61.9	69.8	36.5	31.2	18.6	8.8	9.4	1.4	2.0	2.3	2.1
Maritime Administration	17.4	18.9	13.5	11.1	10.2	14.1	7.2	2.6	.0	.9	1.5
National Highway Traffic Safety Administration	60.8	60.2	51.1	53.2	28.0	19.1	28.9	45.2	28.5	16.9	19.2
Office of the Secretary	13.9	5.6	4.0	5.0	4.7	5.2	4.7	5.2	4.2	6.9	4.7
Research & Special Programs Administration	12.3	6.5	7.1	4.2	2.4	2.3	2.1	2.0	1.6	2.4	2.2
Dept of the Treasury, total	10.8	13.6	15.6	13.6	24.3	23.0	26.4	25.8	23.5	25.2	30.4
Bureau of Alcohol, Tobacco, & Firearms	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.7	4.8	3.9	3.6	5.0	4.2	4.5	2.0	1.7	2.1	3.5
Financial Crimes Enforcement Network	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8
Internal Revenue Service	4.2	5.4	8.0	7.9	15.9	13.4	14.1	14.0	14.0	16.3	17.3
United States Customs Service	3.5	3.2	3.4	1.9	2.3	4.9	7.1	9.3	6.9	6.3	3.8
United States Mint	.0	.0	.0	.0	.6	-	.1	.2	.3	.1	.5
United States Secret Service	.1	.3	.4	.2	.6	.5	.5	.4	.6	.5	.4
Department of Veterans Affairs	144.3	140.7	164.7	193.6	222.7	185.1	198.8	201.9	186.4	219.0	221.6
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.9	1.8	1.9	2.1	2.0	2.0	1.6	1.4	1.2	1.2	1.2
Appalachian Regional Comm	.4	.4	.2	.4	.2	.2	.1	.2	.8	.4	.7
Community Services Admin	26.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	.9	.2	.5	1.2	2.2	2.0	2.1	1.2	1.3	1.2	1.3
Environmental Protection Agcy	344.3	336.2	312.5	266.1	274.8	306.9	325.9	340.0	343.2	388.5	400.1
Fed Communications Commission	1.6	1.2	1.3	.9	1.1	.9	1.0	1.2	1.1	1.3	1.4
Federal Emergency Management Agency, total	11.6	8.8	3.2	10.9	4.6	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5	1.0
General Services Admin	.6	1.0	.5	2.4	.4	1.9	1.6	2.3	.5	.7	3.6
International Development Cooperation Agency, total	166.1	188.6	225.2	207.2	233.0	255.5	263.2	229.1	279.1	334.0	344.0
Agcy for Internat'l Dvlpmt	166.1	188.6	225.2	207.2	233.0	255.5	263.2	229.1	279.1	334.0	344.0
Library of Congress	5.1	5.4	6.7	7.2	6.3	6.9	6.5	7.1	8.0	8.4	8.6
Nat'l Aero & Space Admin	3,705.5	3,252.9	2,646.2	3,730.6	3,217.1	3,730.6	3,564.3	4,230.4	5,506.1	6,762.2	7,675.0
Nat'l Archives & Records Administration	NA	NA	NA	NA	.5	1.0	1.1	.7	.3	.4	.7
National Science Foundation	905.0	1,015.1	994.7	1,151.0	1,250.0	1,468.1	1,459.9	1,550.7	1,613.4	1,563.0	1,687.1
Nuclear Regulatory Commission	216.0	208.6	244.0	198.6	161.1	136.0	124.4	113.5	113.2	111.5	107.5
Office of Personnel Management	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1	.0
Smithsonian Institution	43.9	48.4	57.3	55.2	59.8	64.0	71.5	74.8	82.6	95.4	98.5
Tennessee Valley Authority	94.3	89.5	63.7	66.3	81.0	79.5	76.9	86.9	61.7	66.7	72.3
United States Arms Control & Disarmament Agency	2.4	1.9	1.0	1.3	1.1	.9	4.6	3.4	2.8	.2	.4
United States Information Agency	1.2	-	-	-	1.1	2.4	10.0	1.5	1.0	.0	.2
United States International Trade Commission	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1	9.9

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-92a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	65,719.0	68,385.8	68,328.3	68,694.4	68,007.6	70,892.7	72,466.1	72,613.9	74,077.0	80,159.4	82,814.4
Departments:											
Dept of Agriculture, total	1,382.8	1,453.4	1,486.9	1,504.3	1,438.3	1,464.4	1,538.6	1,612.8	1,659.6	1,792.9	1,854.9
Agricultural Cooperative Svc	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	4.3	4.7	4.6	5.0	4.5	4.5	4.2	4.4	4.8	5.2	5.2
Agricultural Research Svc	686.5	732.6	735.3	758.4	739.9	770.4	782.1	847.4	886.8	985.0	985.8
Animal & Plant Health Inspection Service	16.7	17.1	19.2	19.1	19.5	19.8	20.5	20.4	20.6	22.0	23.4
Cooperative State Research, Ed, & Extension Service	415.1	433.2	456.9	463.9	434.9	435.8	474.2	464.8	425.4	449.5	482.9
Economic Research Service	57.5	61.5	57.3	52.0	50.1	42.4	55.0	57.8	63.9	57.5	57.8
Food Safety Inspection Svc	.0	.0	.0	.0	-	-	.2	.7	2.3	.0	.0
Foreign Agricultural Svc	.0	.0	1.1	.9	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	182.0	185.8	195.7	197.8	180.4	181.8	190.6	206.0	244.0	259.0	283.0
Grain Inspection Packers & Stockyards Administration	1.8	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.6	5.5	6.0
Human Nutrition Info Svc	9.7	7.3	5.3	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.5	3.9	3.6	4.2	3.7	3.0	3.3	3.6	3.6	3.8	3.9
Office of International Cooperation & Development	2.4	2.6	.0	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.1	3.9	5.6
Department of Commerce, total	643.4	652.0	810.3	886.4	945.1	1,037.6	1,036.6	1,036.1	1,086.3	1,209.0	1,284.5
Bureau of the Census	5.5	5.0	5.4	5.1	6.6	5.1	8.6	12.0	32.0	2.0	2.0
Economic Development Admin	1.1	.7	.3	1.0	.6	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	160.6	189.8	237.8	350.4	404.9	473.3	482.3	456.0	433.6	471.3	493.9
National Oceanic & Atmospheric Administration	472.2	452.4	562.9	523.6	528.5	530.9	519.6	547.2	597.1	701.2	748.1
National Telecommunications & Information Administration	4.0	4.2	3.9	6.4	4.5	27.8	25.5	20.3	23.0	34.0	40.0
Office of the Secretary	-	-	-	-	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	34,631.7	34,525.9	35,179.2	34,001.9	35,501.6	35,699.0	35,530.3	33,814.9	31,468.8	32,951.8	32,408.9
Defense Agencies	7,450.3	6,689.7	8,125.3	7,112.1	7,198.7	7,182.6	8,047.4	6,207.4	5,611.3	7,459.3	6,026.7
Department of the Air Force	12,532.3	12,287.9	12,799.2	12,051.8	13,474.4	14,912.1	14,246.2	13,972.6	11,729.1	10,360.9	9,928.6
Department of the Army	6,295.2	6,125.3	5,797.8	5,137.3	4,954.4	4,889.9	4,920.4	5,071.8	4,821.7	5,438.1	6,658.3
Department of the Navy	8,115.0	9,187.5	8,213.3	9,454.1	9,605.0	8,417.1	8,038.1	8,261.2	9,016.3	9,481.9	9,594.2
Operational Test & Evaluation, Director	9.4	12.3	11.9	12.4	22.1	21.5	27.8	44.7	32.9	189.3	201.0
Test & Evaluation, Deputy Under Secretary of Defense	229.4	223.2	231.8	234.3	247.1	275.8	250.4	257.3	257.4	22.3	.0
Department of Education	135.5	186.7	179.2	180.6	172.0	169.1	192.0	201.6	222.4	268.4	278.7
Department of Energy	7,232.7	7,668.3	6,896.5	7,016.3	6,656.1	6,485.3	6,652.9	6,836.9	6,874.2	7,632.0	7,362.5

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Department of Health & Human Services, total	9,091.5	10,475.2	10,352.5	11,245.2	10,419.0	11,457.7	12,983.8	14,280.2	18,406.8	21,286.7	24,049.9
Administration for Children & Families	35.1	19.3	11.3	12.0	11.9	12.7	15.8	23.1	25.4	25.1	25.7
Administration on Aging	20.2	20.9	19.1	20.7	2.9	4.0	10.4	18.5	1.1	3.0	3.6
Agency for Healthcare Research and Quality[1]	113.5	87.6	111.0	133.0	80.0	110.0	77.0	79.0	50.8	107.2	91.3
Agency for Toxic Substance Disease & Registry[2]	NA	NA	NA	NA	NA	NA	NA	NA	14.7	15.4	16.1
Centers for Disease Control & Prevention	146.9	162.5	206.8	317.4	296.7	306.0	343.6	433.3	439.0	502.0	568.0
Food & Drug Administration	150.0	174.2	160.5	147.9	138.8	165.9	155.9	133.3	143.8	153.3	162.3
Health Care Financing Admin	63.9	69.5	72.3	72.9	75.4	66.3	51.3	48.1	44.4	70.8	94.1
Hlth Resources & Svcs Admin	10.5	11.0	17.8	14.4	11.9	13.8	13.8	13.0	36.2	51.6	21.5
National Insts of Health[3]	8,491.4	9,893.3	9,725.7	10,511.5	9,779.8	10,687.0	12,035.6	13,226.0	17,134.8	19,704.5	22,389.1
Office of the Assistant Secretary for Health	21.7	15.8	.7	.6	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	5.0	5.2	5.0	3.5	5.0	22.9	7.0	16.6	18.7	19.1	19.5
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	3.0	21.0	5.0	13.9	16.7	17.0	17.3
Office of Public Health & Science	NA	NA	NA	NA	2.0	1.9	2.0	2.6	2.0	2.1	2.2
Social Security Admin	33.4	15.9	22.2	11.3	NA	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin[4]	NA	NA	NA	NA	16.7	69.1	273.4	289.3	497.8	634.6	658.7
Dept of Housing & Urban Dvlpmt	23.5	28.4	28.5	38.0	36.2	31.7	31.6	27.5	43.7	58.5	60.6
Dept of the Interior, total	628.4	651.8	644.9	558.8	547.2	572.6	566.9	608.1	581.2	626.5	567.0
Bureau of Land Management	6.3	8.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	113.9	111.8	107.9	.0	NA	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	12.2	9.6	7.4	8.0	6.5	6.8	8.8	10.3	9.8	10.2	8.4
Geological Survey	370.3	385.2	375.5	359.3	498.6	517.2	499.9	545.7	506.1	549.5	490.8
Minerals Management Service	4.1	6.1	19.5	20.8	21.7	22.6	28.4	29.7	30.5	30.7	30.7
Nat'l Biological Svc	NA	.0	110.3	151.0	NA	NA	NA	NA	NA	NA	NA
National Park Service	31.1	38.1	24.2	19.7	20.2	26.0	29.7	22.5	34.7	36.2	37.1
Office of the Secretary	.9	.4	.1	-	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
United States Fish & Wildlife Service	89.3	91.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	42.9	46.2	42.0	49.0	72.7	75.5	73.2	85.3	42.8	62.5	42.7
Bureau of Prisons	5.9	6.1	5.4	5.7	5.2	4.6	8.1	9.3	6.6	7.3	7.9
Drug Enforcement Admin	1.5	1.1	1.7	.4	1.2	-	.0	.0	.0	.0	.0
Fed Bureau of Investigation	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	10.0	9.2	13.2
Immigration & Naturalization Service	.4	.4	.4	.4	.2	.4	.0	.2	.6	.6	.6
Office of Justice Programs	24.1	27.2	27.6	31.5	32.6	35.0	29.3	39.5	25.7	45.4	21.0
Department of Labor, total	70.8	57.8	60.7	51.7	50.1	39.1	25.2	25.8	82.7	86.4	89.8
Bureau of Labor Statistics	7.6	6.9	7.1	13.1	13.3	12.6	12.4	12.4	12.3	12.3	12.3
Employment & Training Admin	51.0	39.2	41.8	23.1	24.6	18.2	4.7	6.1	60.9	63.9	67.1
Occupational Safety & Health Administration	3.1	2.5	3.2	4.3	6.6	5.4	4.6	3.7	5.7	5.5	5.6
Office of the Secretary	5.7	5.4	5.2	6.2	2.6	.2	.2	1.0	1.3	1.9	1.9
Pension & Welfare Benefits Administration	2.6	2.6	2.7	3.6	2.3	2.0	2.7	1.8	1.8	2.1	2.1
Pension Benefit Guaranty Corporation	.9	1.3	.7	1.4	.6	.7	.6	.7	.7	.7	.7
Department of State[5]	5.6	5.3	.4	.5	1.0	.6	.5	1.0	.9	1.0	1.0

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Dept of Transportation, total	411.1	455.3	536.9	661.4	593.0	548.4	537.3	523.9	449.6	520.0	583.1
Coast Guard	22.8	32.2	26.1	21.1	23.4	23.3	20.1	20.7	20.0	24.0	23.3
Federal Aviation Admin	250.7	260.1	258.9	270.8	265.8	236.0	229.5	187.9	230.2	277.3	280.8
Federal Highway Admin	81.2	87.5	178.5	260.6	236.5	218.0	210.4	230.7	106.7	99.2	167.8
Federal Motor Carrier Safety Administration[6]	NA	NA	NA	NA	NA	NA	NA	NA	.4	5.0	11.0
Federal Railroad Admin	21.5	22.8	19.6	22.8	20.0	18.1	23.0	22.1	25.3	38.7	31.8
Federal Transit Admin	1.5	16.5	18.5	33.4	22.4	19.5	10.2	10.6	12.0	13.4	5.1
Maritime Administration	1.7	1.7	1.7	2.3	.0	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	24.5	28.3	26.9	41.4	15.0	23.0	33.3	40.3	40.5	46.7	47.2
Office of the Secretary	5.0	4.4	2.5	4.0	2.8	2.0	3.7	3.7	7.5	7.3	6.6
Research & Special Programs Administration	2.3	1.7	4.1	4.9	7.0	8.4	7.2	7.9	7.0	8.5	9.4
Dept of the Treasury, total	24.5	16.6	20.7	61.5	60.2	59.8	65.2	64.8	60.4	74.5	79.4
Bureau of Engraving & Printing	2.0	3.2	3.4	1.8	1.7	1.7	2.8	2.1	2.8	3.5	3.5
Financial Crimes Enforcement Network	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	17.3	6.5	11.3	49.7	51.2	50.8	52.0	55.8	53.3	65.6	68.9
Office of Thrift Supervision	.8	.7	.5	.6	.5	.6	.7	.1	.1	.2	.2
United States Customs Service	2.3	4.1	4.6	8.6	6.3	6.3	9.2	5.4	1.9	3.4	5.0
United States Mint	.0	-	.4	.3	.0	-	.1	.8	1.3	.9	.6
United States Secret Service	.6	.6	.5	.6	.5	.4	.5	.5	1.0	.9	1.1
Department of Veterans Affairs	207.6	250.8	246.0	258.3	240.6	243.2	248.1	339.4	342.0	350.6	360.6
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.5	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.7	.8
Broadcasting Board of Governors[7]	NA	NA	NA	NA	NA	NA	NA	NA	.1	-	.1
Consumer Product Safety Comm	1.2	1.2	.4	.4	.1	.1	-	.0	.0	.0	.0
Environmental Protection Agency[2]	411.9	497.7	558.3	495.5	476.3	537.0	524.0	593.0	492.0	552.0	514.0
Fed Communications Commission	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	2.8	2.0	1.3
Federal Trade Commission	1.3	.9	.7	.6	.5	.7	1.1	1.3	.7	1.3	1.5
General Services Admin	20.9	7.6	5.5	1.3	4.1	1.6	.0	.0	.1	.5	.3
International Development Cooperation Agency, total	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	179.0	183.0	183.0
Agcy for International Development[8]	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	179.0	183.0	183.0
Library of Congress	10.0	10.7	12.5	7.7	11.0	2.5	1.6	2.1	2.2	1.8	3.4
Nat'l Aero & Space Admin[9]	8,386.6	8,885.4	8,576.8	9,116.2	8,094.0	9,715.0	9,741.0	9,752.0	9,291.0	9,415.0	9,700.0
Nat'l Archives & Records Admin	.7	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,813.6	1,841.7	1,983.6	1,977.0	2,212.0	2,318.0	2,302.0	2,399.0	2,616.0	2,899.0	3,156.0
Nuclear Regulatory Commission	116.5	119.6	92.4	88.8	75.2	67.5	54.3	48.0	47.0	47.0	50.0
Smithsonian Institution	95.4	97.2	127.4	125.0	125.0	126.0	115.5	88.5	95.5	98.0	100.0
Social Security Admin	NA	NA	NA	NA	11.5	13.6	17.4	53.3	28.7	38.5	80.4
Tennessee Valley Authority	103.5	109.6	97.9	93.1	6.1	8.9	2.7	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
United States Arms Control & Disarmament Agency[5]	2.1	1.5	1.3	1.1	0.7	1.2	1.2	.0	.0	.0	.0
United States Information Agency[10]	.2	.2	.6	.3	.1	.2	.2	0.1	NA	NA	NA
United States International Trade Commission[11]	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	.0	.0	.0

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

5 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

10 On October 1, 1999, the United States Information Agency was integrated into the United States Department of State.

11 In 2000, the United States International Trade Commission no longer classified any of its activities as research and development.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-93. Federal outlays for research and development, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	32,459.1	34,390.7	36,659.4	39,691.0	44,171.4	50,609.1	51,611.7	54,739.4	59,450.4	62,135.3	61,130.4
Departments:											
Dept of Agriculture, total	743.4	807.2	826.0	864.3	889.0	918.0	922.9	971.2	1,037.5	1,072.5	1,189.4
Agricultural Cooperative Svc	1.3	1.7	2.1	2.2	2.9	2.6	2.8	2.7	2.8	2.7	2.8
Agricultural Marketing Svc	1.2	1.5	.6	1.7	1.3	1.7	1.4	1.6	1.5	2.7	3.7
Agricultural Research Svc	390.1	417.5	438.7	454.3	466.2	468.1	463.2	482.1	528.0	548.1	573.5
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	4.2	4.9	5.6	7.4	8.0	15.7
Cooperative State Research, Ed, & Extension Service	199.0	219.8	219.6	235.7	236.7	254.8	267.1	277.3	298.3	303.9	380.1
Economic Research Service	38.0	37.0	36.8	40.9	45.1	46.0	43.2	47.2	50.0	50.7	53.0
Forest Service	98.6	113.2	109.8	108.8	113.1	112.5	119.9	135.8	134.7	139.6	144.7
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.9	1.0	1.2	1.0	1.1	.6	.7
Human Nutrition Info Svc	.0	3.8	5.8	7.9	7.2	10.6	9.6	8.2	8.4	9.0	8.9
Nat'l Agri Statistics Svc	7.5	7.0	7.6	8.2	8.4	8.0	3.5	3.6	2.8	2.7	3.2
Office of International Cooperation & Development	6.9	4.6	4.1	3.6	5.8	7.5	5.1	5.0	2.5	4.3	3.1
Office of Transportation	.9	.9	.8	1.0	1.3	1.0	1.0	1.1	NA	NA	NA
Department of Commerce, total	345.5	285.4	334.5	327.0	373.6	372.6	307.0	378.6	394.0	426.8	485.1
Bureau of the Census	3.8	3.7	4.3	4.4	4.8	4.6	4.5	5.6	5.0	6.7	6.6
Economic Development Admin	35.5	12.1	5.3	5.1	7.8	7.8	7.2	2.4	1.1	1.5	1.0
National Institute of Standards & Technology	83.9	86.6	93.3	94.1	102.2	103.3	100.0	101.3	113.0	112.3	135.9
National Oceanic & Atmospheric Administration	208.1	174.1	222.0	214.7	249.1	247.2	187.1	263.0	268.6	300.1	338.0
National Telecommunications & Information Administration	12.9	8.0	9.6	8.6	9.0	8.5	7.8	6.1	6.2	6.2	3.6
Office of the Secretary	.1	.2	-	.1	.6	1.2	.3	.1	.1	-	-
Patent & Trademark Office	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	15,754.5	18,251.2	21,105.8	22,619.3	26,742.0	32,210.5	33,254.4	34,156.8	36,453.4	36,703.2	33,013.5
Defense Agencies	1,152.6	1,394.8	1,811.5	1,213.6	2,285.2	4,062.4	4,958.4	5,622.1	6,409.5	6,765.0	6,621.8
Department of the Air Force	6,626.6	8,141.4	9,537.2	10,658.5	12,063.9	14,044.0	13,906.8	14,567.0	15,190.8	14,687.9	12,825.6
Department of the Army	3,114.8	3,400.9	3,827.0	3,983.0	4,176.6	4,223.5	4,949.0	4,837.8	5,201.6	5,750.2	5,659.5
Department of the Navy	4,824.7	5,269.4	5,886.8	6,709.4	8,161.1	9,809.1	9,357.1	9,003.1	9,475.0	9,352.3	7,815.0
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	.0	4.4	7.2	31.6	32.0	22.3
Test & Evaluation, Deputy Under Secretary of Defense	35.7	44.8	43.3	54.7	55.1	71.6	78.8	119.6	145.0	115.8	69.4
Department of Education	111.8	150.1	111.5	181.3	95.7	124.5	122.6	131.8	153.4	147.9	114.5
Department of Energy	5,041.4	4,842.1	4,817.5	4,740.3	4,947.7	4,655.8	4,711.3	4,964.7	5,200.6	5,508.4	5,727.2

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal outlays for research and development, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Department of Health & Human Services, total	3,954.9	4,015.3	4,092.0	4,450.3	5,007.0	5,498.7	5,719.5	6,892.5	7,717.4	8,308.7	9,627.3
Agency for Healthcare Research and Quality	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3	11.9
Alcohol, Drug Abuse, & Mental Health Administration	250.9	291.7	288.8	272.0	348.4	396.1	475.5	554.8	695.7	842.7	1,460.6
Centers for Disease Control & Prevention	83.0	88.4	80.4	46.3	47.6	52.7	66.2	88.7	117.8	95.6	113.4
Food & Drug Administration	57.1	58.4	73.5	76.9	81.2	79.1	83.7	89.6	94.0	94.0	125.0
Health Care Financing Admin	35.4	29.1	30.2	33.1	33.5	28.1	36.1	31.4	32.5	14.4	21.7
Health Resources Admin	3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	17.5	16.3	13.4	16.0	13.0	9.2	10.0	10.5	11.9	11.0
Health Services Admin	16.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	85.5	33.0	22.3	15.4	21.4	52.0	51.1	50.9	73.3	76.7	NA
National Insts of Health	3,350.2	3,439.6	3,539.5	3,960.6	4,420.1	4,845.0	4,956.2	6,031.2	6,645.0	7,127.0	7,714.0
Office of the Assistant Secretary for Health	37.2	29.0	16.9	11.5	15.8	21.6	23.5	20.0	26.0	22.3	18.2
Office of the Secretary	19.5	13.4	14.4	10.4	9.6	6.1	8.2	4.7	7.8	5.0	8.8
Social Security Admin	15.4	15.4	9.6	10.7	13.3	5.0	9.8	11.1	14.8	13.9	11.9
Dept of Housing & Urban Dvlpmt	54.1	37.0	30.9	24.9	18.6	13.9	19.7	14.9	20.7	21.7	18.1
Dept of the Interior, total	432.8	393.6	410.3	430.7	412.8	439.3	390.0	414.6	478.4	492.5	535.6
Bonneville Power Admin	13.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.9	5.3	3.9	3.8	4.4	3.4	3.6	3.7	3.0	2.8	8.8
Bureau of Mines	106.9	105.0	101.9	111.3	100.4	131.0	91.2	87.6	90.6	93.6	96.3
Bureau of Reclamation	13.4	10.7	11.1	10.1	10.5	12.0	10.6	4.4	4.2	5.8	8.7
Geological Survey	168.2	150.1	169.9	227.2	229.9	225.6	210.4	237.9	299.5	300.0	316.6
Minerals Management Service	NA	.0	1.3	1.5	1.5	1.1	1.0	1.2	1.9	1.8	2.5
National Park Service	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1	27.5
Office of the Secretary	2.0	.4	1.3	.6	.3	.6	2.0	.4	.4	.2	.6
Office of Surface Mining Reclamation & Enforcement	5.8	1.4	1.5	.8	2.0	2.3	1.0	1.0	.7	.8	1.0
Office of Water Rsch & Tech	21.1	19.4	8.3	2.6	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	89.5	90.1	97.5	58.8	48.8	46.0	51.7	59.0	58.8	67.3	73.6
Department of Justice, total	26.1	36.6	27.6	26.5	32.7	32.1	38.7	48.1	36.0	38.2	40.4
Bureau of Prisons	2.5	1.7	1.7	1.6	1.5	3.0	6.9	6.0	3.8	3.2	5.7
Drug Enforcement Admin	1.2	2.7	2.5	2.0	1.6	2.5	2.2	2.5	2.7	2.4	2.8
Fed Bureau of Investigation	1.5	1.1	1.9	2.5	8.9	6.9	6.6	12.7	6.5	8.2	10.8
Immigration & Naturalization Service	1.0	.3	.2	.6	.4	.4	.4	5.2	.4	.4	.4
Office of Justice Programs	19.2	30.4	21.1	19.6	20.1	19.2	22.4	21.6	22.5	24.0	20.7
Office of Legal Policy	.7	.4	.2	.3	.2	.2	.2	.0	.0	.0	.0
Department of Labor, total	61.6	29.4	16.8	14.1	13.7	10.9	20.3	31.8	28.9	45.2	45.6
Bureau of Labor Statistics	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3	7.5
Employment Standards Admin	3.0	1.3	1.3	1.3	-	.0	1.0	.1	.1	.1	.0
Employment & Training Admin	52.1	20.2	6.0	3.5	4.5	3.4	4.4	11.2	9.2	25.6	23.7
Labor-Management Relations & Cooperative Programs	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA	NA
Labor-Management Services Administration	1.7	.7	.9	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5	2.6
Office of the Secretary	1.0	.9	1.5	1.9	2.6	2.1	2.7	6.1	6.1	7.1	8.7
Pension & Welfare Benefits Administration	NA	NA	NA	1.2	1.1	.9	1.0	2.6	1.3	2.1	2.5
Pension Benefit Guaranty Corp	.5	1.1	1.1	.3	.2	.1	.3	.3	.3	.5	.5
Department of State, total	1.8	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7	5.9
Departmental Funds	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal outlays for research and development, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Dept of Transportation, total	415.9	347.0	272.4	344.6	416.1	429.8	336.6	321.0	278.6	270.6	342.6
Coast Guard	25.9	20.0	19.6	19.5	19.0	16.7	17.8	14.6	18.1	21.0	14.5
Federal Aviation Admin	119.8	106.6	90.3	155.1	270.1	303.3	180.1	179.6	141.0	169.2	199.6
Federal Highway Admin	56.3	42.5	32.5	51.1	47.5	45.5	76.0	60.1	76.5	44.0	86.1
Federal Railroad Admin	48.2	17.4	18.3	14.7	16.2	15.4	10.9	10.3	6.7	7.0	12.8
Federal Transit Admin	61.9	69.8	36.5	31.2	18.6	8.8	9.4	1.4	2.0	2.3	2.1
Maritime Administration	17.4	18.9	13.5	11.1	10.2	14.1	7.2	2.6	.0	.9	1.5
National Highway Traffic Safety Administration	60.3	59.7	50.6	52.7	27.5	18.6	28.4	45.2	28.5	16.9	19.2
Office of the Secretary	13.9	5.6	4.0	5.0	4.7	5.2	4.7	5.2	4.2	6.9	4.7
Research & Special Programs Administration	12.3	6.5	7.1	4.2	2.4	2.3	2.1	2.0	1.6	2.4	2.2
Dept of the Treasury, total	10.8	13.6	15.5	13.5	24.2	22.9	26.3	25.7	23.4	25.1	30.3
Bureau of Alcohol, Tobacco, & Firearms	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.7	4.8	3.9	3.6	5.0	4.2	4.5	2.0	1.7	2.1	3.5
Financial Crimes Enforcement Network	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8
Internal Revenue Service	4.2	5.4	8.0	7.9	15.9	13.4	14.1	14.0	14.0	16.3	17.3
United States Customs Service	3.5	3.1	3.3	1.8	2.2	4.8	7.0	9.2	6.8	6.2	3.7
United States Mint	.0	.0	.0	.0	.6	-	.1	.2	.3	.1	.5
United States Secret Service	.1	.3	.4	.2	.6	.4	.5	.4	.6	.5	.4
Department of Veterans Affairs	137.8	137.7	154.1	189.0	215.1	181.2	195.1	197.3	184.9	206.6	213.4
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.9	1.8	1.9	2.1	2.0	2.0	1.6	1.4	1.2	1.2	1.2
Appalachian Regional Comm	.4	.4	.2	.4	.2	.2	.1	.2	.8	.4	.7
Community Services Admin	26.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	.9	.2	.5	1.2	2.2	2.0	2.1	1.2	1.3	1.2	1.3
Environmental Protection Agcy	344.3	336.2	312.5	266.1	274.8	306.9	325.9	340.0	343.2	388.5	400.1
Fed Communications Commission	1.6	1.2	1.3	.9	1.1	.9	1.0	1.2	1.1	1.3	1.4
Federal Emergency Management Agency, total	11.6	8.8	3.2	10.9	4.6	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5	1.0
General Services Admin	.6	1.0	.5	2.4	.4	1.2	1.6	2.3	.5	.7	.0
International Development Cooperation Agency, total	159.9	178.3	212.8	195.8	220.3	241.5	248.7	216.6	279.1	334.0	344.0
Agcy for Internat'l Dvlpmt	159.9	178.3	212.8	195.8	220.3	241.5	248.7	216.6	279.1	334.0	344.0
Library of Congress	5.1	5.4	6.7	7.2	6.3	6.9	6.5	7.1	8.0	8.4	8.6
Nat'l Aero & Space Admin	3,558.6	3,140.7	2,538.0	3,538.7	2,970.3	3,431.5	3,250.4	3,831.7	4,974.8	6,324.3	7,071.2
Nat'l Archives & Records Administration	NA	NA	NA	NA	.5	1.0	1.1	.7	.3	.4	.7
National Science Foundation	892.3	1,013.6	991.8	1,108.0	1,186.0	1,410.7	1,410.0	1,494.0	1,556.7	1,524.9	1,630.6
Nuclear Regulatory Commission	208.7	208.6	244.0	198.6	161.1	136.0	124.4	113.5	113.2	111.5	107.5
Office of Personnel Management	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1	.0
Smithsonian Institution	43.5	48.0	56.2	54.6	58.9	62.5	69.9	73.2	79.8	90.8	94.0
Tennessee Valley Authority	93.9	89.3	63.3	66.0	80.7	78.9	76.5	86.4	61.6	61.8	68.6
United States Arms Control & Disarmament Agency	2.4	1.9	1.0	1.3	1.1	.9	3.6	3.4	2.8	.2	.4
United States Information Agency	1.2	-	-	-	1.1	2.4	10.0	1.5	1.0	.0	.2
United States International Trade Commission	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1	9.9

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-93a. Federal outlays for research and development, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	62,934.5	65,241.3	66,150.8	66,662.0	66,142.0	68,897.9	70,631.9	70,585.2	69,807.3	75,676.5	78,334.9
Departments:											
Dept of Agriculture, total	1,246.0	1,303.9	1,353.6	1,375.8	1,335.7	1,342.2	1,379.5	1,446.2	1,551.2	1,670.5	1,738.6
Agricultural Cooperative Svc	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	4.3	4.7	4.6	5.0	4.5	4.5	4.2	4.4	4.8	5.2	5.2
Agricultural Research Svc	617.1	643.4	660.0	679.3	672.4	699.5	687.1	733.5	790.4	877.7	884.4
Animal & Plant Health Inspection Service	16.7	17.1	19.2	19.1	18.0	19.8	20.5	20.4	20.6	22.0	23.4
Cooperative State Research, Ed, & Extension Service	354.9	379.4	404.1	418.8	403.8	386.5	412.7	424.2	425.4	449.5	482.9
Economic Research Service	57.5	61.5	57.3	52.0	50.1	42.4	55.0	57.8	63.9	57.5	57.8
Food Safety Inspection Svc	.0	.0	.0	.0	-	-	.2	.7	2.3	.0	.0
Foreign Agricultural Svc	.0	.0	.7	.9	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	174.8	179.3	190.8	193.5	177.9	179.8	188.0	194.0	232.0	244.0	268.0
Grain Inspection Packers & Stockyards Administration	1.8	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.6	5.5	6.0
Human Nutrition Info Svc	9.7	7.3	5.3	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.5	3.9	3.6	4.2	3.7	3.0	3.3	3.6	3.6	3.8	3.9
Office of International Cooperation & Development	2.4	2.6	.0	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.1	3.9	5.6
Department of Commerce, total	622.1	629.6	797.4	863.0	918.1	967.1	994.1	999.8	1,065.6	1,135.3	1,216.9
Bureau of the Census	5.5	5.0	5.4	5.1	6.6	5.1	8.6	12.0	32.0	2.0	2.0
Economic Development Admin	1.1	.7	.3	1.0	.6	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	149.1	180.1	225.2	327.4	378.0	424.4	439.8	419.6	412.8	397.6	426.2
National Oceanic & Atmospheric Administration	462.4	439.5	562.6	523.1	528.5	509.3	519.6	547.2	597.1	701.2	748.1
National Telecommunications & Information Administration	4.0	4.2	3.9	6.4	4.5	27.8	25.5	20.3	23.0	34.0	40.0
Office of the Secretary	-	-	-	-	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	34,220.8	34,152.7	34,918.2	33,920.9	35,387.0	35,646.6	35,490.6	33,687.3	31,428.8	32,891.6	32,252.1
Defense Agencies	7,358.7	6,628.0	8,084.7	7,099.7	7,170.3	7,177.3	8,038.4	6,188.5	5,608.5	7,454.6	5,959.7
Department of the Air Force	12,346.1	12,056.9	12,645.5	12,024.9	13,420.3	14,886.7	14,242.5	13,899.4	11,726.8	10,350.9	9,915.5
Department of the Army	6,273.2	6,118.3	5,794.0	5,133.0	4,948.7	4,885.2	4,916.3	5,067.8	4,820.1	5,437.7	6,658.3
Department of the Navy	8,004.0	9,114.0	8,150.5	9,416.6	9,578.5	8,400.2	8,015.2	8,229.7	8,983.2	9,436.7	9,517.6
Operational Test & Evaluation, Director	9.4	12.3	11.9	12.4	22.1	21.5	27.8	44.7	32.9	189.3	201.0
Test & Evaluation, Deputy Under Secretary of Defense	229.4	223.2	231.8	234.3	247.1	275.8	250.4	257.3	257.4	22.3	.0
Department of Education	133.0	173.8	177.2	179.6	172.0	169.1	192.0	201.6	222.4	268.4	278.7
Department of Energy	6,034.7	6,185.1	5,974.7	6,152.2	5,846.2	5,678.6	5,876.7	6,035.0	6,067.6	6,690.2	6,383.7

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal outlays for research and development, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Department of Health & Human Services, total	8,994.8	10,325.9	10,218.2	10,978.2	10,278.5	11,337.2	12,826.9	14,056.8	18,187.1	21,049.3	23,635.7
Administration for Children & Families	35.1	19.3	11.3	12.0	11.9	12.7	15.8	23.1	25.4	25.1	25.7
Administration on Aging	20.2	20.9	19.1	20.7	2.9	4.0	10.4	18.5	1.1	3.0	3.6
Agency for Healthcare Research and Quality[1]	113.5	87.6	111.0	133.0	80.0	110.0	77.0	79.0	50.8	107.2	91.3
Agency for Toxic Substance Disease & Registry[2]	NA	NA	NA	NA	NA	NA	NA	NA	14.7	15.4	16.1
Centers for Disease Control & Prevention	146.9	162.5	206.8	317.4	296.7	306.0	343.6	433.3	439.0	502.0	568.0
Food & Drug Administration	135.7	154.5	138.6	131.3	133.3	157.3	142.9	130.8	141.2	148.3	155.3
Health Care Financing Admin	63.9	69.5	72.3	72.9	75.4	66.3	51.3	48.1	44.4	70.8	94.1
Hlth Resources & Svcs Admin	10.1	9.6	16.4	12.8	11.2	13.1	12.9	12.4	35.6	51.0	20.9
National Insts of Health[3]	8,409.2	9,765.1	9,614.8	10,262.8	9,645.6	10,575.9	11,892.5	13,005.7	16,918.3	19,472.7	21,982.5
Office of the Assistant Secretary for Health	21.7	15.8	.7	.6	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	5.0	5.2	5.0	3.5	5.0	22.9	7.0	16.6	18.7	19.1	19.5
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	3.0	21.0	5.0	13.9	16.7	17.0	17.3
Office of Public Health & Science	NA	NA	NA	NA	2.0	1.9	2.0	2.6	2.0	2.1	2.2
Social Security Admin	33.4	15.9	22.2	11.3	NA	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin[4]	NA	NA	NA	NA	16.7	69.1	273.4	289.3	497.8	634.6	658.7
Dept of Housing & Urban Dvlpmt	23.5	28.4	28.5	38.0	36.2	31.7	31.6	27.5	43.7	58.5	60.6
Dept of the Interior, total	610.6	631.0	637.4	552.3	545.1	566.1	565.3	606.7	579.8	625.2	565.6
Bureau of Land Management	6.3	8.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	113.9	111.8	107.9	.0	NA	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	12.2	9.6	7.4	8.0	6.5	6.8	8.8	10.3	9.8	10.2	8.4
Geological Survey	365.9	381.2	369.1	354.1	497.6	512.5	499.9	545.7	506.1	549.5	490.8
Minerals Management Service	3.4	5.1	18.3	19.8	20.7	20.8	26.8	28.2	29.1	29.3	29.4
Nat'l Biological Svc	NA	.0	110.3	150.7	NA	NA	NA	NA	NA	NA	NA
National Park Service	31.1	38.1	24.2	19.7	20.2	26.0	29.7	22.5	34.7	36.2	37.1
Office of the Secretary	.9	.4	.1	-	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
United States Fish & Wildlife Service	76.6	75.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	42.9	46.2	42.0	49.0	72.7	75.5	73.2	85.3	42.8	62.5	42.7
Bureau of Prisons	5.9	6.1	5.4	5.7	5.2	4.6	8.1	9.3	6.6	7.3	7.9
Drug Enforcement Admin	1.5	1.1	1.7	.4	1.2	-	.0	.0	.0	.0	.0
Fed Bureau of Investigation	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	10.0	9.2	13.2
Immigration & Naturalization Service	.4	.4	.4	.4	.2	.4	.0	.2	.6	.6	.6
Office of Justice Programs	24.1	27.2	27.6	31.5	32.6	35.0	29.3	39.5	25.7	45.4	21.0
Department of Labor, total	70.8	57.8	60.7	51.7	50.1	39.1	25.2	25.8	82.7	86.4	89.8
Bureau of Labor Statistics	7.6	6.9	7.1	13.1	13.3	12.6	12.4	12.4	12.3	12.3	12.3
Employment & Training Admin	51.0	39.2	41.8	23.1	24.6	18.2	4.7	6.1	60.9	63.9	67.1
Occupational Safety & Health Administration	3.1	2.5	3.2	4.3	6.6	5.4	4.6	3.7	5.7	5.5	5.6
Office of the Secretary	5.7	5.4	5.2	6.2	2.6	.2	.2	1.0	1.3	1.9	1.9
Pension & Welfare Benefits Administration	2.6	2.6	2.7	3.6	2.3	2.0	2.7	1.8	1.8	2.1	2.1
Pension Benefit Guaranty Corporation	.9	1.3	.7	1.4	.6	.7	.6	.7	.7	.7	.7
Department of State[5]	5.6	5.3	.4	.5	1.0	.6	.5	1.0	.9	1.0	1.0

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal outlays for research and development, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Dept of Transportation, total	394.0	425.2	519.9	634.7	578.8	527.6	516.0	508.4	436.7	506.7	567.5
Coast Guard	22.4	31.7	25.5	20.6	22.8	22.9	19.9	20.4	19.8	23.7	23.0
Federal Aviation Admin	234.9	234.5	247.2	256.8	259.8	218.0	210.5	173.7	217.6	264.8	266.4
Federal Highway Admin	81.2	87.1	174.7	249.6	230.4	215.6	209.3	230.7	106.7	99.2	167.8
Federal Motor Carrier Safety Administration[6]	NA	NA	NA	NA	NA	NA	NA	NA	.4	5.0	11.0
Federal Railroad Admin	20.6	21.6	18.6	21.5	18.5	18.1	22.0	21.1	25.3	38.2	30.8
Federal Transit Admin	1.5	14.3	18.5	33.4	22.4	19.5	10.2	10.6	12.0	13.4	5.1
Maritime Administration	1.7	1.7	1.7	2.3	.0	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	24.5	28.3	26.9	41.4	15.0	23.0	33.3	40.3	40.5	46.7	47.2
Office of the Secretary	5.0	4.4	2.5	4.0	2.8	2.0	3.7	3.7	7.5	7.3	6.6
Research & Special Programs Administration	2.3	1.7	4.1	4.9	7.0	8.4	7.2	7.9	7.0	8.5	9.4
Dept of the Treasury, total	24.4	16.5	18.9	61.4	60.0	59.7	65.1	64.7	60.3	74.4	79.3
Bureau of Engraving & Printing	2.0	3.2	1.7	1.8	1.7	1.7	2.8	2.1	2.8	3.5	3.5
Financial Crimes Enforcement Network	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	17.3	6.5	11.3	49.7	51.2	50.8	52.0	55.8	53.3	65.6	68.9
Office of Thrift Supervision	.8	.7	.5	.6	.5	.6	.7	.1	.1	.2	.2
United States Customs Service	2.2	4.0	4.5	8.5	6.2	6.1	9.0	5.3	1.8	3.3	4.9
United States Mint	.0	-	.4	.3	.0	-	.1	.8	1.3	.9	.6
United States Secret Service	.5	.6	.5	.5	.5	.4	.5	.5	1.0	.9	1.1
Department of Veterans Affairs	202.1	246.0	240.8	251.1	232.1	234.9	246.9	339.1	341.7	350.2	360.2
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.5	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.7	.8
Broadcasting Board of Governors[7]	NA	NA	NA	NA	NA	NA	NA	NA	.1	-	.1
Consumer Product Safety Comm	1.2	1.2	.4	.4	.1	.1	-	.0	.0	.0	.0
Environmental Protection Agency[2]	411.9	495.2	553.5	492.5	476.3	515.0	503.0	532.0	472.0	522.0	484.0
Fed Communications Commission	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	2.8	2.0	1.3
Federal Trade Commission	1.3	.9	.7	.6	.5	.7	1.1	1.3	.7	1.3	1.5
International Development Cooperation Agency, total	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	179.0	183.0	183.0
Agcy for International Development[8]	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	179.0	183.0	183.0
Library of Congress	10.0	10.7	12.5	7.7	11.0	2.5	1.6	2.1	2.2	1.8	3.4
Nat'l Aero & Space Admin[9]	7,616.5	8,087.0	8,023.3	8,600.7	7,614.0	9,273.0	9,421.0	9,415.0	6,424.0	6,671.0	7,233.0
Nat'l Archives & Records Admin	.7	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,732.7	1,754.2	1,873.0	1,876.0	2,054.0	2,000.0	2,010.0	2,144.0	2,446.0	2,644.0	2,928.0
Nuclear Regulatory Commission	116.5	119.6	92.4	88.8	75.2	67.5	54.3	48.0	47.0	47.0	50.0
Smithsonian Institution	94.2	96.0	121.2	119.0	121.0	123.0	113.0	86.0	93.0	95.0	97.0
Social Security Admin	NA	NA	NA	NA	11.5	13.6	17.4	53.3	28.7	38.5	80.4
Tennessee Valley Authority	98.8	108.6	97.9	93.1	6.1	8.9	2.7	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal outlays for research and development, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
United States Arms Control & Disarmament Agency[5]	2.1	1.5	1.3	1.1	0.7	1.2	1.2	.0	.0	.0	.0
United States Information Agency[10]	.2	.2	.6	.3	.1	.2	.2	0.1	NA	NA	NA
United States International Trade Commission[11]	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	.0	.0	.0

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

5 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

10 On October 1, 1999, the United States Information Agency was integrated into the United States Department of State.

11 In 2000, the United States International Trade Commission no longer classified any of its activities as research and development.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-94. Federal outlays for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	1,606.7	1,376.1	1,299.9	1,639.2	1,688.9	1,481.2	1,602.4	1,817.2	2,026.1	2,015.8	2,546.1
Departments:											
Dept of Agriculture, total	39.0	21.3	32.8	29.2	34.3	35.0	71.1	78.5	92.3	124.2	80.1
Agricultural Research Svc	35.8	18.5	30.7	25.0	26.7	32.4	63.3	58.3	51.7	55.3	49.4
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	.0	.0	.5	.3	6.1	.0
Cooperative State Research, Ed, & Extension Service	.0	.0	.8	3.8	6.9	1.6	7.0	17.5	38.6	58.0	15.5
Forest Service	3.2	2.7	1.3	.4	.7	1.0	.8	2.2	1.7	4.9	15.1
Department of Commerce, total	1.3	1.0	.7	9.2	4.3	7.4	4.2	10.9	9.1	14.7	15.5
Economic Development Admin	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0
National Institute of Standards & Technology	.5	1.0	.7	9.2	4.3	6.0	2.1	10.1	8.5	8.1	8.3
National Oceanic & Atmospheric Administration	.8	.0	.0	.0	.0	1.5	2.1	.5	.5	6.6	7.3
Department of Defense, total	238.5	231.7	267.7	380.1	401.7	280.6	357.3	416.2	415.6	436.8	433.7
Defense Agencies	7.4	25.2	5.8	4.2	4.7	5.8	37.4	68.1	91.8	88.6	63.5
Department of the Air Force	130.0	67.7	103.7	191.2	199.8	89.1	194.3	207.5	199.7	200.2	218.2
Department of the Army	8.9	13.5	21.5	34.4	53.4	55.0	60.7	61.8	39.7	46.8	65.0
Department of the Navy	92.2	125.3	136.7	150.3	143.8	130.7	65.0	78.8	84.5	101.2	87.0
Department of Education	.0	.0	.0	.0	.0	.8	15.8	11.1	2.3	2.8	2.6
Department of Energy	1,084.5	943.3	824.5	916.1	855.3	725.8	721.3	779.0	838.3	856.9	1,099.8
Department of Health & Human Services, total	42.6	36.8	26.5	34.6	42.6	32.7	31.5	30.7	56.0	55.1	194.8
Alcohol, Drug Abuse, & Mental Health Administration	.1	.4	1.0	4.1	1.4	.5	.6	.0	.0	.0	.0
Food & Drug Administration	.5	1.0	2.1	10.0	15.0	10.0	1.9	1.7	2.0	1.0	18.4
National Insts of Health	42.0	35.4	23.4	20.5	26.2	22.2	29.0	29.0	54.0	54.1	176.4
Social Security Admin	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-
Dept of the Interior, total	4.1	1.3	2.4	5.2	4.2	6.1	4.8	5.1	6.8	10.5	20.7
Bonneville Power Admin	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Mines	2.1	.2	.1	.1	.0	.0	.0	.0	2.1	3.0	1.5
Geological Survey	.0	.0	1.5	1.1	.9	.9	.8	.8	1.4	1.3	2.9
Minerals Management Service	NA	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
Office of Water Rsch & Tech	.8	.9	.0	.0	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	1.0	.3	.8	4.0	3.3	5.2	4.0	4.3	3.4	6.0	16.1
Department of Justice, total	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
Fed Bureau of Investigation	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
Dept of Transportation, total	16.2	13.0	9.9	12.9	14.1	15.5	11.2	11.1	12.9	16.7	18.4
Coast Guard	.0	.0	.0	.0	.0	.0	.0	.3	.0	.4	.4
Federal Aviation Admin	6.1	4.3	9.2	12.4	13.6	14.3	10.4	10.5	12.6	16.3	16.5
Federal Highway Admin	2.8	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0
Federal Railroad Admin	6.8	8.2	.2	.0	.0	.0	.0	.2	.3	-	1.5
National Highway Traffic Safety Administration	.5	.5	.5	.5	.5	.5	.5	.0	.0	.0	.0
Dept of the Treasury, total	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
United States Customs Service	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
United States Secret Service	.0	.0	.0	.0	.0	.1	-	-	-	-	-
Department of Veterans Affairs	6.5	2.9	10.6	4.6	7.6	3.9	3.7	4.6	1.5	12.4	8.2

See explanatory information, if any, and SOURCE at end of table.

Table C-94. Federal outlays for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Other agencies:											
General Services Admin	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	3.6
International Development Cooperation Agency, total	6.2	10.3	12.3	11.4	12.8	14.0	14.4	12.6	.0	.0	.0
Agcy for Internat'l Dvlpmt	6.2	10.3	12.3	11.4	12.8	14.0	14.4	12.6	.0	.0	.0
Nat'l Aero & Space Admin	146.9	112.2	108.1	191.9	246.8	299.1	313.9	398.7	531.3	437.9	603.8
National Science Foundation	12.7	1.5	2.9	43.0	64.0	57.3	49.9	56.7	56.7	38.1	56.5
Nuclear Regulatory Commission	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	.4	.4	1.1	.6	.9	1.5	1.6	1.6	2.8	4.6	4.5
Tennessee Valley Authority	.4	.2	.4	.2	.3	.6	.4	.5	.2	4.9	3.7
United States Arms Control & Disarmament Agency	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-94a. Federal outlays for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	2,784.5	3,144.5	2,177.6	2,032.4	1,865.6	1,994.8	1,834.2	2,028.7	4,269.7	4,482.9	4,479.5
Departments:											
Dept of Agriculture, total	136.8	149.5	133.4	128.4	102.6	122.3	159.1	166.6	108.4	122.3	116.4
Agricultural Research Svc	69.4	89.2	75.3	79.1	67.5	70.9	95.0	113.9	96.4	107.3	101.4
Animal & Plant Health Inspection Service	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0
Cooperative State Research, Ed, & Extension Service	60.2	53.8	52.8	45.1	31.1	49.3	61.5	40.6	.0	.0	.0
Foreign Agricultural Svc	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
Forest Service	7.2	6.5	4.9	4.3	2.5	2.0	2.6	12.0	12.0	15.0	15.0
Department of Commerce, total	21.3	22.4	12.9	23.5	26.9	70.5	42.5	36.3	20.7	73.7	67.6
National Institute of Standards & Technology	11.4	9.6	12.7	23.0	26.9	48.9	42.5	36.3	20.7	73.7	67.6
National Oceanic & Atmospheric Administration	9.9	12.8	.3	.5	.0	21.6	.0	.0	.0	.0	.0
Department of Defense, total	410.9	373.2	261.0	81.0	114.7	52.4	39.7	127.6	40.0	60.2	156.8
Defense Agencies	91.6	61.7	40.6	12.4	28.3	5.3	9.0	18.8	2.8	4.6	67.0
Department of the Air Force	186.3	231.0	153.7	26.9	54.2	25.4	3.7	73.1	2.4	10.0	13.1
Department of the Army	22.0	7.0	3.8	4.2	5.6	4.8	4.1	4.1	1.7	.4	.1
Department of the Navy	111.0	73.5	62.9	37.5	26.6	16.9	22.9	31.5	33.1	45.2	76.6
Department of Education	2.5	12.8	1.9	1.0	.1	.0	.0	.0	.0	.0	.0
Department of Energy	1,198.0	1,483.2	921.8	864.1	809.9	806.7	776.3	801.9	806.7	941.8	978.8
Department of Health & Human Services, total	96.7	149.3	134.2	267.0	140.5	120.5	156.9	223.4	219.7	237.4	414.2
Food & Drug Administration	14.3	19.7	21.9	16.7	5.5	8.7	13.0	2.5	2.6	5.0	7.0
Hlth Resources & Svcs Admin	.3	1.4	1.4	1.6	.7	.7	.9	.6	.6	.6	.6
National Insts of Health	82.1	128.2	110.9	248.8	134.3	111.1	143.0	220.3	216.5	231.8	406.6
Dept of the Interior, total	17.8	20.8	7.5	6.5	2.1	6.6	1.6	1.5	1.4	1.4	1.3
Geological Survey	4.4	4.0	6.3	5.3	1.1	4.8	.0	.0	.0	.0	.0
Minerals Management Service	.7	1.0	1.1	1.0	1.0	1.8	1.6	1.5	1.4	1.4	1.3
Nat'l Biological Svc	NA	.0	.1	.3	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	12.7	15.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of Transportation, total	17.1	30.0	17.0	26.7	14.2	20.8	21.3	15.5	12.9	13.3	15.6
Coast Guard	.4	.5	.5	.5	.5	.3	.3	.3	.3	.3	.3
Federal Aviation Admin	15.9	25.6	11.7	14.0	6.0	18.0	18.9	14.3	12.6	12.4	14.4
Federal Highway Admin	.0	.4	3.8	10.9	6.1	2.5	1.1	.0	.0	.0	.0
Federal Railroad Admin	.8	1.3	1.0	1.3	1.6	.0	1.0	.9	.0	.6	1.0
Federal Transit Admin	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Treasury, total	.1	.2	1.9	.2	.2	.1	.1	.1	.1	.1	.1
Bureau of Engraving & Printing	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
United States Secret Service	-	-	-	-	-	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	5.5	4.8	5.2	7.2	8.5	8.3	1.2	.3	.3	.4	.4

See explanatory information, if any, and SOURCE at end of table.

Table C-94a. Federal outlays for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Other agencies:											
Environmental Protection Agency	.0	2.5	4.8	3.0	.0	22.0	21.0	61.0	20.0	30.0	30.0
General Services Admin	20.9	7.6	5.5	1.3	4.1	1.6	.0	.0	.1	.5	.3
Nat'l Aero & Space Admin[1]	770.2	798.4	553.5	515.4	480.0	442.0	320.0	337.0	2,867.0	2,744.0	2,467.0
National Science Foundation	80.9	87.5	110.6	101.0	158.0	318.0	292.0	255.0	170.0	255.0	228.0
Smithsonian Institution	1.2	1.2	6.2	6.0	4.0	3.0	2.5	2.5	2.5	3.0	3.0
Tennessee Valley Authority	4.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

[1] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-95. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	34,589.6	37,822.4	40,009.0	44,012.1	50,180.4	52,951.2	57,099.7	58,826.5	63,571.6	65,831.2	64,148.0
Departments:											
Dept of Agriculture, total	794.7	818.7	881.5	905.4	983.6	1,007.9	1,059.6	1,151.8	1,127.5	1,210.6	1,381.3
Agricultural Cooperative Svc	1.7	1.7	2.1	2.2	2.9	2.6	2.7	2.7	2.8	2.7	2.8
Agricultural Marketing Svc	1.1	1.2	1.4	1.5	1.7	1.6	1.5	1.6	1.5	2.7	4.2
Agricultural Research Svc	411.6	426.0	466.8	480.1	498.7	532.6	522.4	561.2	578.7	589.9	655.7
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	4.2	4.9	6.2	7.7	14.0	15.7
Cooperative State Research, Ed, & Extension Service	199.4	219.0	242.3	245.7	294.3	278.6	338.3	374.7	339.4	371.1	438.3
Economic Research Service	39.3	39.3	38.8	43.7	46.4	44.6	44.8	48.1	49.5	50.5	54.4
Forest Service	129.3	112.5	108.1	108.8	114.8	114.0	127.1	138.4	133.0	163.5	193.1
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.9	1.0	1.2	1.0	1.1	.6	.7
Human Nutrition Info Svc	.0	8.5	8.2	6.0	6.7	12.8	6.8	8.2	8.4	9.0	9.9
Nat'l Agri Statistics Svc	7.5	7.0	7.6	8.2	8.4	8.0	3.4	3.6	2.9	2.8	3.2
Office of International Cooperation & Development	3.9	2.6	5.3	8.2	7.7	7.0	5.6	5.0	2.5	3.6	3.1
Office of Transportation	.9	.9	.8	1.0	1.2	1.0	1.1	1.1	NA	NA	NA
Department of Commerce, total	329.3	337.3	335.7	367.6	403.0	408.4	407.5	400.2	407.0	453.5	505.4
Bureau of the Census	3.9	3.8	4.3	4.4	4.9	4.7	4.7	5.7	4.9	6.9	6.6
Economic Development Admin	28.1	9.6	5.3	5.1	13.0	10.3	5.0	4.2	1.0	1.2	1.4
National Institute of Standards & Technology	83.0	89.9	95.7	104.9	104.7	108.5	100.7	118.7	124.2	131.0	148.4
National Oceanic & Atmospheric Administration	202.2	222.0	222.0	244.3	269.8	276.2	289.3	263.5	269.1	306.7	345.3
National Telecommunications & Information Administration	10.9	11.3	8.3	8.7	9.1	8.4	7.8	8.1	7.8	7.7	3.6
Office of the Secretary	.0	-	-	.1	1.4	.3	-	.0	.0	.0	.0
Patent & Trademark Office	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	16,786.3	20,913.1	23,305.3	25,902.1	30,322.4	33,224.1	35,708.7	35,684.6	38,076.2	37,755.5	32,560.5
Defense Agencies	1,255.6	1,643.3	2,058.1	1,405.7	2,786.3	4,771.9	5,291.8	5,957.3	6,973.3	6,996.8	7,200.9
Department of the Air Force	7,128.8	9,442.6	10,951.3	12,377.0	13,552.2	13,723.9	15,618.0	15,011.0	15,487.6	15,153.6	11,089.8
Department of the Army	3,257.0	3,785.2	4,024.4	4,281.7	4,623.7	4,863.3	5,085.2	4,898.8	5,704.5	5,737.2	6,172.5
Department of the Navy	5,103.9	6,001.0	6,209.9	7,779.0	9,309.5	9,747.9	9,576.8	9,588.9	9,755.7	9,646.6	7,860.0
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	.0	8.4	68.2	14.4	32.6	13.6
Test & Evaluation, Deputy Under Secretary of Defense	41.1	41.0	61.6	58.6	50.6	117.1	128.5	160.3	140.7	188.7	223.7
Department of Education	104.9	128.0	111.7	115.7	126.0	127.9	153.5	145.9	161.0	178.8	175.2
Department of Energy	5,896.4	5,622.2	5,294.4	5,526.0	5,834.4	5,430.6	5,529.4	5,951.4	6,065.6	6,546.6	7,203.2

See explanatory information, if any, and SOURCE at end of table.

Table C-95. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Department of Health & Human Services, total	3,950.9	3,965.4	4,400.4	4,861.8	5,493.2	5,695.5	6,643.0	7,177.6	7,981.4	8,513.4	9,842.3
Agency for Healthcare Research and Quality	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.7	101.1
Alcohol, Drug Abuse, & Mental Health Administration	239.7	251.4	304.0	337.5	377.9	396.6	476.1	554.8	695.7	842.7	1,460.6
Centers for Disease Control & Prevention	74.8	75.0	78.2	46.3	47.6	52.2	66.2	88.7	117.8	95.6	113.4
Food & Drug Administration	72.6	75.0	102.7	80.8	95.1	87.4	85.8	91.5	122.0	122.0	143.5
Health Care Financing Admin	38.6	29.1	30.2	33.1	33.5	29.0	27.3	28.2	49.1	49.1	69.1
Health Resources Admin	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	10.1	13.3	18.5	19.7	12.3	9.3	10.0	10.5	11.9	11.0
Health Services Admin	20.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	73.7	27.2	23.4	18.3	24.3	54.6	53.0	54.0	101.7	95.4	NA
National Insts of Health	3,355.5	3,452.6	3,806.8	4,285.2	4,856.5	5,034.5	5,886.2	6,309.9	6,833.8	7,221.3	7,763.4
Office of the Assistant Secretary for Health	33.1	16.1	16.6	18.1	18.6	17.3	21.2	21.0	27.2	6.9	10.0
Office of the Secretary	19.5	13.4	14.4	10.4	9.6	6.1	8.2	4.7	7.8	5.0	8.8
Social Security Admin	18.0	15.5	10.8	13.5	10.4	5.6	9.8	14.7	15.8	13.9	11.9
Dept of Housing & Urban Dvlpmt	48.1	28.9	32.1	18.2	18.5	15.3	16.3	18.4	18.0	19.3	27.8
Dept of the Interior, total	430.6	382.4	384.9	416.1	395.9	389.6	415.7	426.1	479.8	522.6	615.1
Bonneville Power Admin	14.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.9	5.3	3.9	3.8	4.4	3.4	3.7	3.7	3.0	2.8	8.8
Bureau of Mines	97.4	94.8	88.6	108.8	89.9	84.4	88.8	91.3	101.2	102.3	108.2
Bureau of Reclamation	14.3	10.1	10.0	10.4	13.2	10.2	10.7	4.4	4.2	5.8	8.7
Geological Survey	169.8	152.6	158.4	209.9	215.7	219.5	227.6	236.9	281.1	309.7	359.8
Minerals Management Service	NA	.0	1.5	1.5	1.4	1.1	1.0	1.2	2.2	2.0	2.9
National Park Service	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1	27.5
Office of the Secretary	1.5	.5	7.4	.1	1.9	1.0	.0	.4	.4	.2	.6
Office of Surface Mining Reclamation & Enforcement	5.8	1.5	1.5	.8	2.0	2.3	1.0	1.0	.7	.7	1.0
Office of Water Rsch & Tech	21.8	12.3	2.2	3.6	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	93.3	94.2	97.7	63.3	52.4	50.5	64.3	67.8	67.5	78.9	97.6
Department of Justice, total	26.5	26.7	31.4	24.5	36.0	36.5	53.5	43.1	38.2	40.5	48.9
Bureau of Prisons	2.5	1.7	1.7	1.6	1.5	3.0	7.1	6.0	5.1	4.5	5.2
Drug Enforcement Admin	1.3	3.2	2.5	1.9	1.6	2.5	2.2	2.5	2.7	2.4	2.7
Fed Bureau of Investigation	.7	2.7	2.5	1.0	9.5	7.2	19.1	12.7	7.7	8.2	10.8
Immigration & Naturalization Service	.1	.6	.6	.6	.4	.4	.4	.3	.1	.4	.4
Office of Justice Programs	21.0	18.0	23.8	19.5	22.7	23.2	24.6	21.5	22.5	25.0	29.8
Office of Legal Policy	.8	.4	.3	.0	.3	.2	.1	.0	.0	.0	.0
Department of Labor, total	62.2	25.4	19.9	16.3	13.3	10.4	21.6	35.6	35.4	73.0	44.0
Bureau of Labor Statistics	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3	7.5
Employment Standards Admin	3.2	1.4	1.4	.9	-	.0	1.0	.1	.1	.1	.0
Employment & Training Admin	52.4	16.1	9.0	6.1	3.5	3.5	5.7	14.9	15.7	53.4	22.1
Labor-Management Relations & Cooperative Programs	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA	NA
Labor-Management Services Administration	1.8	.7	.9	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5	2.6
Office of the Secretary	1.1	.9	1.5	1.9	2.6	2.1	2.7	6.1	6.1	7.1	8.7
Pension & Welfare Benefits Administration	NA	NA	NA	1.2	1.6	.3	1.0	2.7	1.4	2.1	2.5
Pension Benefit Guaranty Corp	.5	1.1	1.1	.3	.2	.1	.3	.3	.3	.5	.5
Department of State, total	1.8	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7	5.9
Departmental Funds	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-95. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Dept of Transportation, total	434.5	322.0	369.6	465.2	437.9	397.5	336.2	318.5	318.9	388.3	398.3
Coast Guard	26.3	20.0	19.6	19.5	19.0	16.9	17.0	21.4	17.9	20.6	25.9
Federal Aviation Admin	128.9	99.4	147.6	282.6	294.8	271.5	177.7	173.8	162.3	237.5	236.4
Federal Highway Admin	51.2	40.3	50.4	46.4	49.0	46.1	76.9	74.1	91.0	91.5	86.9
Federal Railroad Admin	46.1	24.5	16.5	19.2	15.0	15.4	11.2	10.4	9.0	10.2	17.6
Federal Transit Admin	78.2	61.4	57.0	20.1	10.2	8.2	12.6	2.3	1.4	1.6	1.7
Maritime Administration	14.2	11.1	15.0	9.9	13.9	9.4	5.8	.5	.0	.9	1.7
National Highway Traffic Safety Administration	66.4	55.9	52.5	57.4	28.6	22.9	28.4	28.3	29.7	16.9	21.4
Office of the Secretary	10.1	3.3	4.9	4.9	4.8	5.1	4.5	5.7	5.5	6.8	4.3
Research & Special Programs Administration	13.1	6.1	6.2	5.2	2.7	2.0	2.1	2.1	2.0	2.4	2.4
Dept of the Treasury, total	11.4	13.4	15.6	13.9	24.4	24.2	27.0	26.2	25.7	25.7	31.0
Bureau of Alcohol, Tobacco, & Firearms	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.7	4.8	3.9	3.6	5.0	4.2	4.5	2.0	1.7	2.1	3.5
Financial Crimes Enforcement Network	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
Internal Revenue Service	4.2	5.4	8.0	8.2	15.9	14.2	14.6	14.4	14.4	16.8	17.9
United States Customs Service	3.5	3.2	3.4	1.9	2.3	4.9	7.1	9.3	6.9	6.3	3.8
United States Mint	.0	.0	.0	.0	.6	.3	.2	.1	2.0	.1	.1
United States Secret Service	.6	.0	.3	.2	.6	.5	.5	.4	.6	.5	.4
Department of Veterans Affairs	159.2	140.1	171.9	196.4	229.9	191.0	215.4	234.8	245.7	241.0	220.0
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.2	2.0	2.1	2.1	2.4	2.1	1.9	1.8	1.1	1.5	1.7
Appalachian Regional Comm	.4	.4	.2	.5	.2	.2	.1	.2	.8	.4	.7
Community Services Admin	18.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	.5	.2	.5	1.3	2.4	2.0	2.2	1.1	1.3	1.1	1.3
Environmental Protection Agcy	325.7	335.1	240.7	261.2	320.4	317.3	348.2	347.4	380.3	419.7	432.6
Fed Communications Commission	1.8	1.2	1.3	.9	1.2	.9	1.0	1.2	1.1	1.3	1.4
Federal Emergency Management Agency, total	11.6	9.2	3.3	11.5	4.1	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5	1.0
General Services Admin	.6	1.0	.5	2.4	.4	20.0	1.6	2.3	.5	19.5	22.6
International Development Cooperation Agency, total	142.2	205.9	232.0	245.0	227.2	258.7	224.3	210.6	279.1	334.6	377.7
Agcy for Internat'l Dvlpmt	142.2	205.9	232.0	245.0	227.2	258.7	224.3	210.6	279.1	334.6	377.7
Library of Congress	4.9	5.7	7.4	7.5	7.1	6.6	6.5	7.1	8.0	8.4	9.0
Nat'l Aero & Space Admin	3,708.9	3,191.6	2,762.3	3,066.1	3,561.5	3,694.8	4,096.5	4,758.6	5,913.0	7,060.3	8,003.8
Nat'l Archives & Records Administration	NA	NA	NA	NA	.5	1.0	1.1	.7	.3	.4	.7
National Science Foundation	976.2	976.8	1,065.2	1,248.0	1,419.1	1,406.5	1,531.8	1,589.6	1,724.0	1,728.8	1,944.8
Nuclear Regulatory Commission	227.3	220.3	207.3	190.7	150.0	123.8	122.5	108.5	114.8	108.8	108.8
Office of Personnel Management	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1	.0
Smithsonian Institution	45.3	52.9	57.0	63.8	72.7	64.0	74.4	75.8	83.6	88.8	99.5
Tennessee Valley Authority	69.3	85.3	63.3	68.3	80.0	78.3	78.2	87.7	62.8	69.8	73.1
United States Arms Control & Disarmament Agency	2.4	1.9	1.0	1.3	1.1	.9	4.6	3.4	2.8	.2	.4
United States Information Agency	1.5	.1	-	1.4	.1	2.0	3.5	.4	.1	.5	.1
United States International Trade Commission	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1	9.9

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-95a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	68,577.2	70,414.7	69,450.8	70,442.9	69,399.2	71,753.4	73,914.0	77,386.4	77,356.1	85,452.2	84,938.4
Departments:											
Dept of Agriculture, total	1,491.8	1,470.2	1,525.6	1,523.6	1,428.7	1,572.8	1,530.8	1,745.2	1,833.5	2,079.6	1,911.4
Agricultural Cooperative Svc	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	4.7	4.7	4.8	4.8	4.9	4.8	4.7	4.7	5.1	5.2	5.2
Agricultural Research Svc	725.2	705.5	757.0	751.0	743.1	806.6	844.2	973.6	959.3	1,072.0	1,070.9
Animal & Plant Health Inspection Service	16.7	17.1	19.2	19.1	19.5	19.8	20.5	20.4	20.6	22.0	23.4
Cooperative State Research, Ed, & Extension Service	481.2	479.2	471.6	489.0	418.9	496.7	387.3	463.1	535.0	660.9	476.8
Economic Research Service	58.9	58.9	55.2	53.8	53.0	53.0	71.5	62.5	64.2	65.9	67.2
Food Safety Inspection Svc	.0	.0	.0	.0	-	-	.2	.7	2.3	.0	.0
Foreign Agricultural Svc	.0	.0	1.1	.9	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	184.3	186.3	198.0	197.8	180.4	181.8	190.4	209.0	235.0	239.0	251.0
Grain Inspection Packers & Stockyards Administration	1.5	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.6	5.5	6.0
Human Nutrition Info Svc	10.7	8.4	7.0	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.6	3.9	3.9	4.0	3.8	3.4	3.3	3.6	3.9	3.9	3.9
Office of International Cooperation & Development	1.5	1.5	.0	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.1	3.9	5.6
Department of Commerce, total	672.2	681.7	857.3	1,213.7	1,152.0	1,046.5	970.0	1,009.8	1,237.1	1,173.2	1,132.4
Bureau of the Census	5.3	5.4	4.8	4.9	6.3	5.1	8.6	15.0	13.0	.3	.0
Economic Development Admin	.5	.0	.6	.5	.6	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	190.2	219.8	284.1	640.5	601.0	482.1	415.7	421.8	604.7	420.8	364.3
National Oceanic & Atmospheric Administration	472.2	452.4	562.9	561.4	528.5	530.9	519.5	547.2	597.1	701.2	748.1
National Telecommunications & Information Administration	4.0	4.2	4.8	6.4	15.7	27.8	25.5	25.2	21.8	50.4	19.5
Office of the Secretary	.0	.0	.0	-	-	.0	.0	.0	.0	.0	.0
Department of Defense, total	36,526.0	36,220.7	34,818.9	33,856.8	34,582.2	34,873.8	35,352.0	35,753.4	33,215.2	36,457.2	34,324.4
Defense Agencies	7,670.5	7,723.3	7,367.8	7,369.1	7,742.0	7,509.1	7,981.9	7,476.0	7,195.9	9,248.5	8,005.9
Department of the Air Force	13,606.8	12,866.9	12,626.8	11,835.7	13,066.5	13,990.6	13,865.2	14,069.5	11,060.5	10,736.4	10,134.8
Department of the Army	6,876.2	6,227.2	5,576.2	5,424.7	4,879.7	4,825.2	5,041.7	5,043.5	5,323.7	6,452.6	6,263.5
Department of the Navy	8,126.8	9,148.3	9,005.1	8,974.5	8,614.4	8,252.5	8,190.8	8,862.4	9,345.1	9,808.5	9,719.1
Operational Test & Evaluation, Director	12.4	12.3	11.2	21.7	21.9	26.6	30.3	44.7	32.9	189.3	201.0
Test & Evaluation, Deputy Under Secretary of Defense	233.2	242.5	231.8	231.0	257.7	269.7	242.0	257.3	257.0	21.8	.0
Department of Education	170.9	179.9	178.4	179.4	173.7	181.2	204.5	223.7	247.3	273.0	268.4
Department of Energy	7,493.0	7,723.7	6,959.8	6,890.0	6,050.8	6,332.8	6,600.9	6,875.9	6,873.8	7,674.8	7,294.6

See explanatory information, if any, and SOURCE at end of table.

Table C-95a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Department of Health & Human Services, total	9,084.6	10,498.5	11,141.7	11,711.0	12,084.2	13,045.3	14,187.9	16,167.6	18,645.5	21,592.5	24,230.1
Administration for Children & Families	39.2	19.9	11.3	12.0	12.6	17.4	23.5	24.9	27.3	27.9	28.5
Administration on Aging	20.2	20.9	19.1	20.7	3.7	4.4	10.4	18.5	2.8	3.7	.0
Agency for Healthcare Research and Quality[1]	106.3	114.8	154.4	135.3	125.2	144.0	146.5	182.3	198.8	269.8	306.2
Agency for Toxic Substance Disease & Registry[2]	NA	NA	NA	NA	NA	NA	NA	NA	14.7	15.4	16.1
Centers for Disease Control & Prevention	146.9	162.5	206.8	317.4	296.7	323.0	343.6	433.3	505.0	569.9	568.5
Food & Drug Administration	150.0	174.2	177.8	175.8	176.4	173.1	171.0	133.4	146.7	156.5	165.5
Health Care Financing Admin	75.5	68.2	80.0	74.5	52.7	43.6	51.2	49.7	61.5	138.3	55.3
Hlth Resources & Svcs Admin	10.5	11.0	17.8	14.8	11.8	13.8	13.8	13.4	36.2	51.6	21.5
National Insts of Health[3]	8,491.4	9,893.3	10,439.9	10,930.6	11,377.9	12,237.9	13,137.5	15,005.0	17,134.8	19,704.5	22,389.1
Office of the Assistant Secretary for Health	6.7	1.2	.8	.3	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	5.0	8.0	11.7	9.1	10.7	19.0	17.0	17.7	19.8	20.2	20.6
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	9.0	18.4	13.9	13.9	16.7	17.0	17.3
Office of Public Health & Science	NA	NA	NA	NA	1.7	.6	3.1	3.8	3.1	3.2	3.3
Social Security Admin	33.0	24.5	22.2	20.4	NA	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin[4]	NA	NA	NA	NA	16.7	69.1	273.4	289.3	497.8	634.6	658.7
Dept of Housing & Urban Dvlpmt	25.1	23.6	39.6	41.8	33.1	33.5	28.0	57.0	45.6	53.9	44.1
Dept of the Interior, total	627.6	642.2	703.1	568.3	569.5	587.1	533.5	642.9	581.2	625.1	565.7
Bureau of Land Management	6.3	8.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	107.1	111.9	107.9	.0	NA	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	13.2	10.3	7.4	8.0	6.5	7.1	8.8	10.3	9.8	10.2	8.4
Geological Survey	365.7	360.4	377.4	367.4	520.1	531.2	464.1	579.1	506.1	549.5	490.8
Minerals Management Service	4.8	6.9	21.8	21.0	22.6	22.8	30.8	30.1	30.5	30.8	30.7
Nat'l Biological Svc	NA	.0	164.2	152.1	NA	NA	NA	NA	NA	NA	NA
National Park Service	31.1	38.1	24.2	19.7	20.2	26.0	29.7	23.4	34.7	34.7	35.8
Office of the Secretary	.9	.4	.1	-	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
United States Fish & Wildlife Service	98.2	104.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	48.0	48.9	45.0	57.9	77.3	84.7	100.6	118.6	80.5	100.5	79.0
Bureau of Prisons	5.9	6.1	5.4	5.7	5.2	4.6	8.1	11.0	7.8	7.7	8.0
Drug Enforcement Admin	1.4	.9	.9	.4	1.2	-	.0	.0	.0	.0	.0
Fed Bureau of Investigation	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	10.0	9.2	13.2
Immigration & Naturalization Service	.4	.4	.4	.4	.2	.4	.0	.2	.6	.6	.6
Office of Justice Programs	29.4	30.2	31.4	40.5	37.2	44.2	56.7	71.1	62.2	83.1	57.2
Department of Labor, total	51.7	55.0	59.7	55.4	52.4	35.1	27.8	54.1	83.7	87.1	90.6
Bureau of Labor Statistics	7.6	6.9	7.1	14.8	13.3	12.6	12.4	12.4	12.3	12.3	12.3
Employment & Training Admin	31.7	35.9	40.0	25.6	26.9	14.1	7.2	33.8	60.9	63.9	67.2
Occupational Safety & Health Administration	3.1	2.5	3.3	4.4	6.6	5.5	4.6	3.8	5.8	5.5	5.7
Office of the Secretary	5.9	5.8	5.3	6.3	2.6	.2	.2	1.0	1.3	1.2	1.2
Pension & Welfare Benefits Administration	2.6	2.6	2.7	3.6	2.3	2.0	2.7	2.5	2.7	3.5	3.5
Pension Benefit Guaranty Corporation	.9	1.3	1.3	.8	.7	.7	.6	.7	.7	.7	.7
Department of State[5]	5.6	5.3	.4	.5	.9	1.0	.9	1.5	1.5	1.6	1.6

See explanatory information, if any, and SOURCE at end of table.

Table C-95a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Dept of Transportation, total	470.3	577.6	661.7	755.8	584.3	545.9	583.7	681.5	479.3	624.1	602.3
Coast Guard	20.5	33.4	22.8	20.2	20.5	23.3	20.7	20.5	20.3	23.9	22.9
Federal Aviation Admin	260.2	271.3	318.6	310.1	228.9	226.3	242.3	219.6	230.5	309.3	275.0
Federal Highway Admin	131.0	175.7	242.0	315.6	247.3	211.2	229.3	333.2	126.7	152.0	177.9
Federal Motor Carrier Safety Administration[6]	NA	NA	NA	NA	NA	NA	NA	NA	3.9	11.5	14.1
Federal Railroad Admin	22.8	26.8	20.6	30.1	30.1	19.5	22.6	20.9	27.4	32.6	31.2
Federal Transit Admin	1.7	31.3	19.9	28.7	13.7	17.0	17.6	20.5	8.9	12.6	7.1
Maritime Administration	1.8	1.7	1.7	2.5	.0	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	25.8	31.6	25.3	39.7	33.2	36.4	41.6	50.4	50.6	58.3	59.0
Office of the Secretary	4.1	4.5	5.4	3.9	2.8	3.5	3.4	9.1	4.0	12.9	5.2
Research & Special Programs Administration	2.5	1.3	5.3	5.0	7.7	8.7	6.3	7.3	6.9	11.0	9.8
Dept of the Treasury, total	24.8	16.8	19.1	61.5	60.2	59.8	65.2	64.8	61.5	74.5	79.4
Bureau of Engraving & Printing	2.0	3.2	1.7	1.8	1.7	1.7	2.8	2.1	2.8	3.5	3.5
Financial Crimes Enforcement Network	1.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	17.9	6.5	11.3	49.7	51.2	50.8	52.0	55.8	54.4	65.6	68.9
Office of Thrift Supervision	.8	.7	.5	.6	.5	.6	.7	.1	.1	.2	.2
United States Customs Service	2.3	4.1	4.6	8.6	6.3	6.3	9.2	5.4	1.9	3.4	5.0
United States Mint	.0	.1	.5	.3	.0	-	.1	.8	1.3	.9	.6
United States Secret Service	.6	.6	.5	.6	.5	.4	.5	.5	1.0	.9	1.1
Department of Veterans Affairs	229.6	239.5	259.7	245.1	259.9	284.0	277.5	339.4	342.0	350.6	360.6
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.7	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.7	.8
Broadcasting Board of Governors[7]	NA	NA	NA	NA	NA	NA	NA	NA	.1	-	.1
Consumer Product Safety Comm	1.1	1.2	.3	.4	-	.1	.0	.0	.0	.0	.0
Environmental Protection Agency[2]	483.9	497.8	558.3	556.3	464.3	517.2	637.2	668.8	523.2	607.8	556.0
Fed Communications Commission	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	2.8	2.0	1.3
Federal Trade Commission	1.3	.9	.7	.6	.5	.7	1.1	1.3	.7	1.3	1.5
General Services Admin	6.5	1.0	.3	5.1	.1	-	.0	.0	.0	.0	-
International Development Cooperation Agency, total	365.9	382.2	254.3	302.5	223.0	206.4	212.0	203.0	218.8	226.4	227.3
Agcy for International Development[8]	365.9	382.2	254.3	302.5	223.0	206.4	212.0	203.0	218.8	226.4	227.3
Library of Congress	10.3	10.5	10.0	10.2	10.6	2.4	1.5	2.4	2.5	2.8	2.6
Nat'l Aero & Space Admin[9]	8,475.4	8,769.2	8,811.5	9,639.7	8,987.5	9,661.1	9,918.0	9,885.2	9,754.9	9,972.9	9,696.4
Nat'l Archives & Records Admin	.7	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,970.0	2,012.3	2,212.2	2,438.9	2,375.5	2,452.3	2,473.7	2,679.6	2,942.1	3,278.2	3,226.3
Nuclear Regulatory Commission	119.0	119.8	90.7	88.2	70.9	62.1	51.7	49.0	53.0	50.0	55.0
Smithsonian Institution	101.8	107.0	129.2	129.0	132.0	134.0	123.0	93.0	101.0	104.0	106.0
Social Security Admin	NA	NA	NA	NA	11.5	13.6	17.4	53.3	28.7	38.5	80.4
Tennessee Valley Authority	100.5	109.6	97.9	93.1	6.1	8.9	2.7	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-95a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
United States Arms Control & Disarmament Agency[5]	2.1	1.5	1.3	1.1	0.7	1.2	1.2	.0	.0	.0	.0
United States Information Agency[10]	.0	1.1	.6	.3	.1	.2	.3	0.1	NA	NA	NA
United States International Trade Commission[11]	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	.0	.0	.0

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

5 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

10 On October 1, 1999, the United States Information Agency was integrated into the United States Department of State.

11 In 2000, the United States International Trade Commission no longer classified any of its activities as research and development.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-96. Federal obligations for research and development, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	33,103.9	36,432.6	38,711.5	42,224.9	48,359.6	51,412.4	55,253.7	56,769.4	61,406.5	63,559.5	61,295.2
Departments:											
Dept of Agriculture, total	774.0	797.3	847.6	866.2	943.0	928.5	947.9	1,016.6	1,038.3	1,108.4	1,236.6
Agricultural Cooperative Svc	1.7	1.7	2.1	2.2	2.9	2.6	2.7	2.7	2.8	2.7	2.8
Agricultural Marketing Svc	1.1	1.2	1.4	1.5	1.7	1.6	1.5	1.6	1.5	2.7	4.2
Agricultural Research Svc	394.1	404.9	443.4	451.3	469.7	463.4	478.6	505.7	523.5	545.5	591.0
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	4.2	4.9	5.6	7.4	8.0	15.7
Cooperative State Research, Ed, & Extension Service	199.4	219.0	232.3	235.7	284.3	269.0	270.7	298.4	307.3	324.2	376.8
Economic Research Service	39.3	39.3	38.8	43.7	46.4	44.6	44.8	48.1	49.5	50.5	54.4
Forest Service	126.1	112.1	107.7	108.4	113.1	113.3	126.7	135.5	131.4	158.6	174.7
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.9	1.0	1.2	1.0	1.1	.6	.7
Human Nutrition Info Svc	.0	8.5	8.2	6.0	6.7	12.8	6.8	8.2	8.4	9.0	9.9
Nat'l Agri Statistics Svc	7.5	7.0	7.6	8.2	8.4	8.0	3.4	3.6	2.9	2.8	3.2
Office of International Cooperation & Development	3.9	2.6	5.3	8.2	7.7	7.0	5.6	5.0	2.5	3.6	3.1
Office of Transportation	.9	.9	.8	1.0	1.2	1.0	1.1	1.1	NA	NA	NA
Department of Commerce, total	327.9	336.3	335.0	358.2	398.8	399.2	402.2	388.9	397.9	438.2	489.6
Bureau of the Census	3.9	3.8	4.3	4.4	4.9	4.7	4.7	5.7	4.9	6.9	6.6
Economic Development Admin	28.1	9.6	5.3	5.1	13.0	10.3	5.0	4.2	1.0	1.2	1.4
National Institute of Standards & Technology	82.5	88.8	95.0	95.5	100.5	100.8	98.6	107.9	115.5	122.3	140.0
National Oceanic & Atmospheric Administration	201.4	222.0	222.0	244.3	269.8	274.7	286.1	263.0	268.6	300.1	338.0
National Telecommunications & Information Administration	10.9	11.3	8.3	8.7	9.1	8.4	7.8	8.1	7.8	7.7	3.6
Office of the Secretary	.0	-	-	.1	1.4	.3	-	.0	.0	.0	.0
Patent & Trademark Office	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	16,508.6	20,622.6	22,992.8	25,372.9	29,791.5	32,937.9	35,231.5	35,248.9	37,576.9	37,268.1	32,134.8
Defense Agencies	1,248.2	1,618.1	2,052.3	1,391.5	2,781.7	4,767.4	5,219.7	5,832.9	6,858.9	6,945.2	7,072.5
Department of the Air Force	6,969.2	9,357.9	10,812.6	12,091.6	13,260.9	13,593.8	15,347.7	14,867.3	15,237.4	14,831.4	10,937.5
Department of the Army	3,244.2	3,760.5	3,998.1	4,225.5	4,570.8	4,809.4	5,019.5	4,806.0	5,659.3	5,684.1	6,081.5
Department of the Navy	5,006.0	5,845.1	6,068.2	7,605.6	9,127.4	9,650.3	9,507.8	9,514.1	9,666.1	9,586.2	7,806.0
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	.0	8.4	68.2	14.4	32.6	13.6
Test & Evaluation, Deputy Under Secretary of Defense	41.1	41.0	61.6	58.6	50.6	117.1	128.5	160.3	140.7	188.7	223.7
Department of Education	104.9	128.0	111.7	115.7	124.9	121.3	132.5	140.7	159.1	169.9	171.0
Department of Energy	4,918.2	4,708.2	4,536.7	4,673.6	4,966.0	4,688.3	4,757.2	5,036.4	5,192.6	5,630.6	5,983.1

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research and development, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Department of Health & Human Services, total	3,927.1	3,940.7	4,352.5	4,830.7	5,451.0	5,657.6	6,606.3	7,158.0	7,902.8	8,405.6	9,756.0
Agency for Healthcare Research and Quality	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.7	101.1
Alcohol, Drug Abuse, & Mental Health Administration	239.4	248.1	302.2	337.2	377.6	396.1	475.5	554.8	695.7	842.7	1,460.6
Centers for Disease Control & Prevention	74.8	75.0	78.2	46.3	47.6	52.2	66.2	88.7	117.8	95.6	113.4
Food & Drug Administration	71.4	73.0	74.2	77.8	82.1	79.4	85.0	91.0	99.0	99.0	125.0
Health Care Financing Admin	38.6	29.1	30.2	33.1	33.5	29.0	27.3	28.2	49.1	49.1	69.1
Health Resources Admin	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	10.1	13.3	18.5	19.7	12.3	9.3	10.0	10.5	11.9	11.0
Health Services Admin	20.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	73.7	27.2	23.4	18.3	24.3	54.6	53.0	54.0	101.7	95.4	NA
National Insts of Health	3,333.2	3,433.1	3,789.2	4,257.4	4,827.7	5,005.1	5,850.9	6,290.9	6,778.3	7,136.5	7,695.5
Office of the Assistant Secretary for Health	33.1	16.1	16.6	18.1	18.6	17.3	21.2	21.0	27.2	6.9	10.0
Office of the Secretary	19.5	13.4	14.4	10.4	9.6	6.1	8.2	4.7	7.8	5.0	8.8
Social Security Admin	18.0	15.5	10.8	13.5	10.4	5.6	9.8	14.7	15.8	13.9	11.9
Dept of Housing & Urban Dvlpmt	48.1	28.9	32.1	18.2	18.5	15.3	16.3	18.4	18.0	19.3	27.8
Dept of the Interior, total	427.1	381.1	382.5	410.9	391.7	385.2	403.8	416.8	469.0	508.5	592.9
Bonneville Power Admin	14.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.9	5.3	3.9	3.8	4.4	3.4	3.7	3.7	3.0	2.8	8.8
Bureau of Mines	96.7	94.7	88.5	108.8	89.9	84.4	88.8	91.3	98.7	99.3	106.1
Bureau of Reclamation	14.3	10.1	10.0	10.4	13.2	10.2	10.7	4.4	4.2	5.8	8.7
Geological Survey	169.8	152.6	157.0	208.9	214.9	218.6	226.8	236.1	279.9	308.4	356.6
Minerals Management Service	NA	.0	1.5	1.5	1.4	1.1	1.0	1.2	2.2	1.9	2.7
National Park Service	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1	27.5
Office of the Secretary	1.5	.5	7.4	.1	1.9	1.0	.0	.4	.4	.2	.6
Office of Surface Mining Reclamation & Enforcement	5.8	1.5	1.5	.8	2.0	2.3	1.0	1.0	.7	.7	1.0
Office of Water Rsch & Tech	21.1	11.4	2.2	3.6	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	91.5	93.9	96.7	59.1	49.0	47.0	53.3	59.2	60.6	69.4	81.0
Department of Justice, total	26.5	26.7	31.4	24.5	36.0	36.5	42.4	43.1	38.2	40.5	48.9
Bureau of Prisons	2.5	1.7	1.7	1.6	1.5	3.0	7.1	6.0	5.1	4.5	5.2
Drug Enforcement Admin	1.3	3.2	2.5	1.9	1.6	2.5	2.2	2.5	2.7	2.4	2.7
Fed Bureau of Investigation	.7	2.7	2.5	1.0	9.5	7.2	8.0	12.7	7.7	8.2	10.8
Immigration & Naturalization Service	.1	.6	.6	.6	.4	.4	.4	.3	.1	.4	.4
Office of Justice Programs	21.0	18.0	23.8	19.5	22.7	23.2	24.6	21.5	22.5	25.0	29.8
Office of Legal Policy	.8	.4	.3	.0	.3	.2	.1	.0	.0	.0	.0
Department of Labor, total	62.2	25.4	19.9	16.3	13.3	10.4	21.6	35.6	35.4	73.0	44.0
Bureau of Labor Statistics	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3	7.5
Employment Standards Admin	3.2	1.4	1.4	.9	-	.0	1.0	.1	.1	.1	.0
Employment & Training Admin	52.4	16.1	9.0	6.1	3.5	3.5	5.7	14.9	15.7	53.4	22.1
Labor-Management Relations & Cooperative Programs	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA	NA
Labor-Management Services Administration	1.8	.7	.9	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5	2.6
Office of the Secretary	1.1	.9	1.5	1.9	2.6	2.1	2.7	6.1	6.1	7.1	8.7
Pension & Welfare Benefits Administration	NA	NA	NA	1.2	1.6	.3	1.0	2.7	1.4	2.1	2.5
Pension Benefit Guaranty Corp	.5	1.1	1.1	.3	.2	.1	.3	.3	.3	.5	.5
Department of State, total	1.8	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7	5.9
Departmental Funds	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research and development, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Dept of Transportation, total	415.5	310.1	347.7	448.3	428.9	385.5	325.0	304.6	303.3	366.6	379.9
Coast Guard	26.3	20.0	19.6	19.5	19.0	16.9	17.0	21.1	17.9	20.2	25.5
Federal Aviation Admin	120.0	94.3	126.2	266.2	286.3	260.6	167.3	160.5	146.8	216.1	220.1
Federal Highway Admin	51.2	40.3	50.4	46.4	49.0	45.5	76.7	74.1	91.0	91.5	86.9
Federal Railroad Admin	36.6	18.2	16.5	19.2	15.0	15.4	11.2	10.0	9.0	10.2	15.9
Federal Transit Admin	78.2	61.4	57.0	20.1	10.2	8.2	12.6	2.3	1.4	1.6	1.7
Maritime Administration	14.2	11.1	15.0	9.9	13.9	9.4	5.8	.5	.0	.9	1.7
National Highway Traffic Safety Administration	65.9	55.4	52.0	56.9	28.1	22.4	27.9	28.3	29.7	16.9	21.4
Office of the Secretary	10.1	3.3	4.9	4.9	4.8	5.1	4.5	5.7	5.5	6.8	4.3
Research & Special Programs Administration	13.1	6.1	6.2	5.2	2.7	2.0	2.1	2.1	2.0	2.4	2.4
Dept of the Treasury, total	11.3	13.3	15.6	13.9	24.3	24.0	26.9	26.1	25.6	25.6	30.8
Bureau of Alcohol, Tobacco, & Firearms	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.7	4.8	3.9	3.6	5.0	4.2	4.5	2.0	1.7	2.1	3.5
Financial Crimes Enforcement Network	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
Internal Revenue Service	4.2	5.4	8.0	8.2	15.9	14.2	14.6	14.4	14.4	16.8	17.9
United States Customs Service	3.5	3.1	3.3	1.8	2.2	4.8	7.0	9.2	6.8	6.2	3.7
United States Mint	.0	.0	.0	.0	.6	.3	.2	.1	2.0	.1	.1
United States Secret Service	.6	.0	.3	.2	.6	.4	.5	.4	.6	.5	.4
Department of Veterans Affairs	144.4	137.3	161.4	190.3	226.6	186.2	209.5	215.3	234.7	237.7	216.6
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.2	2.0	2.1	2.1	2.4	2.1	1.9	1.8	1.1	1.5	1.7
Appalachian Regional Comm	.4	.4	.2	.5	.2	.2	.1	.2	.8	.4	.7
Community Services Admin	18.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	.5	.2	.5	1.3	2.4	2.0	2.2	1.1	1.3	1.1	1.3
Environmental Protection Agcy	325.7	335.1	240.7	261.2	320.4	317.3	348.2	347.4	380.3	419.7	432.6
Fed Communications Commission	1.8	1.2	1.3	.9	1.2	.9	1.0	1.2	1.1	1.3	1.4
Federal Emergency Management Agency, total	11.6	9.2	3.3	11.5	4.1	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5	1.0
General Services Admin	.6	1.0	.5	2.4	.4	1.2	1.6	2.3	.5	.7	.0
International Development Cooperation Agency, total	134.2	199.9	227.3	237.2	220.4	251.2	217.5	204.4	279.1	334.6	377.7
Agcy for Internat'l Dvlpmt	134.2	199.9	227.3	237.2	220.4	251.2	217.5	204.4	279.1	334.6	377.7
Library of Congress	4.9	5.7	7.4	7.5	7.1	6.6	6.5	7.1	8.0	8.4	9.0
Nat'l Aero & Space Admin	3,593.2	3,077.9	2,661.6	2,821.9	3,327.2	3,419.8	3,787.1	4,330.4	5,393.5	6,533.2	7,280.2
Nat'l Archives & Records Administration	NA	NA	NA	NA	.5	1.0	1.1	.7	.3	.4	.7
National Science Foundation	961.6	975.3	1,062.0	1,202.8	1,345.6	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2
Nuclear Regulatory Commission	219.7	220.3	207.3	190.7	150.0	123.8	122.5	108.5	114.8	108.8	108.8
Office of Personnel Management	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1	.0
Smithsonian Institution	44.9	52.4	56.0	63.6	71.1	63.3	71.5	75.1	80.2	84.0	98.0
Tennessee Valley Authority	68.9	85.0	63.0	68.1	79.5	77.5	77.9	87.3	62.6	64.9	68.3
United States Arms Control & Disarmament Agency	2.4	1.9	1.0	1.3	1.1	.9	3.6	3.4	2.8	.2	.4
United States Information Agency	1.5	.1	-	1.4	.1	2.0	3.5	.4	.1	.5	.1
United States International Trade Commission	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1	9.9

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-96a. Federal obligations for research and development, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	65,592.6	67,314.0	67,235.4	68,186.8	67,653.0	69,826.8	72,100.7	75,340.6	72,863.2	80,898.1	80,645.5
Departments:											
Dept of Agriculture, total	1,327.1	1,327.8	1,399.9	1,380.2	1,300.3	1,388.6	1,441.0	1,614.1	1,746.8	1,979.9	1,805.9
Agricultural Cooperative Svc	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	4.7	4.7	4.8	4.8	4.9	4.8	4.7	4.7	5.1	5.2	5.2
Agricultural Research Svc	627.1	627.2	678.7	683.3	675.2	687.6	757.9	855.1	884.7	987.3	980.3
Animal & Plant Health Inspection Service	16.7	17.1	19.2	19.1	18.0	19.8	20.5	20.4	20.6	22.0	23.4
Cooperative State Research, Ed, & Extension Service	418.2	418.6	429.0	417.7	362.4	433.5	386.4	462.5	535.0	660.9	476.8
Economic Research Service	58.9	58.9	55.2	53.8	53.0	53.0	71.5	62.5	64.2	65.9	67.2
Food Safety Inspection Svc	.0	.0	.0	.0	-	-	.2	.7	2.3	.0	.0
Foreign Agricultural Svc	.0	.0	1.1	.9	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	180.7	182.7	193.1	193.5	177.9	179.8	187.8	197.0	223.0	224.0	236.0
Grain Inspection Packers & Stockyards Administration	1.5	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.6	5.5	6.0
Human Nutrition Info Svc	10.7	8.4	7.0	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.6	3.9	3.9	4.0	3.8	3.4	3.3	3.6	3.9	3.9	3.9
Office of International Cooperation & Development	1.5	1.5	.0	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.1	3.9	5.6
Department of Commerce, total	651.2	656.3	826.1	1,136.0	1,067.5	1,003.1	948.6	990.2	1,036.6	1,112.4	1,111.6
Bureau of the Census	5.3	5.4	4.8	4.9	6.3	5.1	8.6	15.0	13.0	.3	.0
Economic Development Admin	.5	.0	.6	.5	.6	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	179.0	207.2	253.2	563.3	516.5	460.4	394.4	402.2	404.2	360.0	343.4
National Oceanic & Atmospheric Administration	462.4	439.5	562.6	560.9	528.5	509.3	519.5	547.2	597.1	701.2	748.1
National Telecommunications & Information Administration	4.0	4.2	4.8	6.4	15.7	27.8	25.5	25.2	21.8	50.4	19.5
Office of the Secretary	.0	.0	.0	-	-	.0	.0	.0	.0	.0	.0
Department of Defense, total	36,129.5	35,849.1	34,553.2	33,796.3	34,535.4	34,788.3	35,286.2	35,645.9	33,167.0	36,333.5	34,235.3
Defense Agencies	7,571.7	7,647.0	7,279.7	7,363.2	7,733.8	7,503.8	7,980.8	7,455.9	7,190.8	9,241.8	7,937.0
Department of the Air Force	13,427.1	12,635.3	12,527.4	11,797.9	13,042.1	13,951.5	13,839.1	14,022.3	11,055.0	10,730.3	10,130.3
Department of the Army	6,854.2	6,209.1	5,574.1	5,419.3	4,873.6	4,821.1	5,037.7	5,038.9	5,323.7	6,452.6	6,263.5
Department of the Navy	8,030.8	9,102.9	8,929.0	8,963.3	8,606.4	8,215.5	8,156.3	8,826.8	9,307.6	9,697.7	9,703.5
Operational Test & Evaluation, Director	12.4	12.3	11.2	21.7	21.9	26.6	30.3	44.7	32.9	189.3	201.0
Test & Evaluation, Deputy Under Secretary of Defense	233.2	242.5	231.8	231.0	257.7	269.7	242.0	257.3	257.0	21.8	.0
Department of Education	168.5	177.7	176.6	177.6	173.7	181.2	204.5	223.7	247.3	273.0	268.4
Department of Energy	6,172.2	6,262.1	6,048.0	6,145.0	5,344.9	5,603.5	5,873.8	6,009.7	6,063.1	6,711.9	6,321.8

See explanatory information, if any, and SOURCE at end of table.

Table C-96a. Federal obligations for research and development, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Department of Health & Human Services, total	8,987.8	10,349.2	11,021.5	11,455.2	11,951.1	12,785.3	13,901.7	15,914.7	18,425.9	21,355.1	23,815.9
Administration for Children & Families	39.2	19.9	11.3	12.0	12.6	17.4	23.5	24.9	27.3	27.9	28.5
Administration on Aging	20.2	20.9	19.1	20.7	3.7	4.4	10.4	18.5	2.8	3.7	.0
Agency for Healthcare Research and Quality[1]	106.3	114.8	154.4	135.3	125.2	144.0	146.5	182.3	198.8	269.8	306.2
Agency for Toxic Substance Disease & Registry[2]	NA	NA	NA	NA	NA	NA	NA	NA	14.7	15.4	16.1
Centers for Disease Control & Prevention	146.9	162.5	206.8	317.4	296.7	323.0	343.6	433.3	505.0	569.9	568.5
Food & Drug Administration	135.7	154.5	169.4	170.5	170.8	158.6	142.9	130.8	144.2	151.5	158.5
Health Care Financing Admin	75.5	68.2	80.0	74.5	52.7	43.6	51.2	49.7	61.5	138.3	55.3
Hlth Resources & Svcs Admin	10.1	9.6	16.4	13.2	11.1	13.1	12.9	12.8	35.6	51.0	20.9
National Insts of Health[3]	8,409.2	9,765.1	10,329.4	10,681.8	11,251.0	11,993.0	12,880.2	14,755.4	16,918.3	19,472.7	21,982.5
Office of the Assistant Secretary for Health	6.7	1.2	.8	.3	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	5.0	8.0	11.7	9.1	10.7	19.0	17.0	17.7	19.8	20.2	20.6
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	9.0	18.4	13.9	13.9	16.7	17.0	17.3
Office of Public Health & Science	NA	NA	NA	NA	1.7	.6	3.1	3.8	3.1	3.2	3.3
Social Security Admin	33.0	24.5	22.2	20.4	NA	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin[4]	NA	NA	NA	NA	16.7	69.1	273.4	289.3	497.8	634.6	658.7
Dept of Housing & Urban Dvlpmt	25.1	23.6	39.6	41.8	33.1	33.5	28.0	57.0	45.6	53.9	44.1
Dept of the Interior, total	609.2	619.1	694.1	561.6	567.5	579.9	532.0	641.5	579.9	623.7	564.4
Bureau of Land Management	6.3	8.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	107.1	111.9	107.9	.0	NA	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	13.2	10.3	7.4	8.0	6.5	7.1	8.8	10.3	9.8	10.2	8.4
Geological Survey	361.4	356.7	371.1	362.0	518.9	526.3	464.1	579.1	506.1	549.5	490.8
Minerals Management Service	3.8	5.8	20.6	20.0	21.9	20.6	29.3	28.8	29.2	29.4	29.4
Nat'l Biological Svc	NA	.0	162.8	151.8	NA	NA	NA	NA	NA	NA	NA
National Park Service	31.1	38.1	24.2	19.7	20.2	26.0	29.7	23.4	34.7	34.7	35.8
Office of the Secretary	.9	.4	.1	-	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
United States Fish & Wildlife Service	85.1	86.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	48.0	48.9	45.0	57.9	77.3	84.7	100.6	118.6	80.5	100.5	79.0
Bureau of Prisons	5.9	6.1	5.4	5.7	5.2	4.6	8.1	11.0	7.8	7.7	8.0
Drug Enforcement Admin	1.4	.9	.9	.4	1.2	-	.0	.0	.0	.0	.0
Fed Bureau of Investigation	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	10.0	9.2	13.2
Immigration & Naturalization Service	.4	.4	.4	.4	.2	.4	.0	.2	.6	.6	.6
Office of Justice Programs	29.4	30.2	31.4	40.5	37.2	44.2	56.7	71.1	62.2	83.1	57.2
Department of Labor, total	51.7	55.0	59.7	55.4	52.4	35.1	27.8	54.1	83.7	87.1	90.6
Bureau of Labor Statistics	7.6	6.9	7.1	14.8	13.3	12.6	12.4	12.4	12.3	12.3	12.3
Employment & Training Admin	31.7	35.9	40.0	25.6	26.9	14.1	7.2	33.8	60.9	63.9	67.2
Occupational Safety & Health Administration	3.1	2.5	3.3	4.4	6.6	5.5	4.6	3.8	5.8	5.5	5.7
Office of the Secretary	5.9	5.8	5.3	6.3	2.6	.2	.2	1.0	1.3	1.2	1.2
Pension & Welfare Benefits Administration	2.6	2.6	2.7	3.6	2.3	2.0	2.7	2.5	2.7	3.5	3.5
Pension Benefit Guaranty Corporation	.9	1.3	1.3	.8	.7	.7	.6	.7	.7	.7	.7
Department of State[5]	5.6	5.3	.4	.5	.9	1.0	.9	1.5	1.5	1.6	1.6

See explanatory information, if any, and SOURCE at end of table.

Table C-96a. Federal obligations for research and development, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Dept of Transportation, total	445.0	545.3	620.7	727.0	552.5	526.9	566.1	667.0	467.4	609.1	585.0
Coast Guard	20.1	32.9	22.3	19.7	20.0	22.9	20.4	20.3	20.0	23.6	22.6
Federal Aviation Admin	236.2	248.9	285.6	288.4	208.3	209.1	228.0	205.3	219.0	296.7	259.2
Federal Highway Admin	130.2	174.9	235.7	312.5	240.0	210.3	227.3	333.2	126.7	152.0	177.9
Federal Motor Carrier Safety Administration[6]	NA	NA	NA	NA	NA	NA	NA	NA	3.9	11.5	14.1
Federal Railroad Admin	22.7	25.2	19.5	26.5	26.7	18.9	21.5	20.9	27.3	30.5	29.9
Federal Transit Admin	1.7	24.3	19.9	28.7	13.7	17.0	17.6	20.5	8.9	12.6	7.1
Maritime Administration	1.8	1.7	1.7	2.5	.0	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	25.8	31.6	25.3	39.7	33.2	36.4	41.6	50.4	50.6	58.3	59.0
Office of the Secretary	4.1	4.5	5.4	3.9	2.8	3.5	3.4	9.1	4.0	12.9	5.2
Research & Special Programs Administration	2.5	1.3	5.3	5.0	7.7	8.7	6.3	7.3	6.9	11.0	9.8
Dept of the Treasury, total	24.6	16.6	19.0	61.4	60.0	59.7	65.1	64.7	61.4	74.4	79.3
Bureau of Engraving & Printing	2.0	3.2	1.7	1.8	1.7	1.7	2.8	2.1	2.8	3.5	3.5
Financial Crimes Enforcement Network	1.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	17.9	6.5	11.3	49.7	51.2	50.8	52.0	55.8	54.4	65.6	68.9
Office of Thrift Supervision	.8	.7	.5	.6	.5	.6	.7	.1	.1	.2	.2
United States Customs Service	2.2	4.0	4.5	8.5	6.2	6.1	9.0	5.3	1.8	3.3	4.9
United States Mint	.0	.1	.5	.3	.0	-	.1	.8	1.3	.9	.6
United States Secret Service	.5	.6	.5	.5	.5	.4	.5	.5	1.0	.9	1.1
Department of Veterans Affairs	223.9	236.2	248.0	237.9	256.1	252.7	277.1	339.1	341.7	350.2	360.2
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.7	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.7	.8
Broadcasting Board of Governors[7]	NA	NA	NA	NA	NA	NA	NA	NA	.1	-	.1
Consumer Product Safety Comm	1.1	1.2	.3	.4	-	.1	.0	.0	.0	.0	.0
Environmental Protection Agency[2]	483.9	495.3	553.5	551.5	464.3	492.2	571.2	552.8	502.2	573.8	535.0
Fed Communications Commission	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	2.8	2.0	1.3
Federal Trade Commission	1.3	.9	.7	.6	.5	.7	1.1	1.3	.7	1.3	1.5
General Services Admin	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	365.9	382.2	254.3	302.5	223.0	206.4	212.0	203.0	218.8	226.4	227.3
Agcy for International Development[8]	365.9	382.2	254.3	302.5	223.0	206.4	212.0	203.0	218.8	226.4	227.3
Library of Congress	10.3	10.5	10.0	10.2	10.6	2.4	1.5	2.4	2.5	2.8	2.6
Nat'l Aero & Space Admin[9]	7,657.6	8,019.9	8,296.2	9,014.9	8,570.1	9,327.3	9,568.0	9,525.7	6,881.9	7,220.9	7,259.4
Nat'l Archives & Records Admin	.7	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,868.4	1,881.9	2,040.4	2,149.3	2,188.3	2,248.5	2,289.3	2,506.0	2,725.5	3,015.3	3,017.1
Nuclear Regulatory Commission	119.0	119.8	90.7	88.2	70.9	62.1	51.7	49.0	53.0	50.0	55.0
Smithsonian Institution	98.0	102.0	124.2	124.0	127.0	130.0	120.0	90.0	98.0	100.0	102.0
Social Security Admin	NA	NA	NA	NA	11.5	13.6	17.4	53.3	28.7	38.5	80.4
Tennessee Valley Authority	97.3	108.6	97.9	93.1	6.1	8.9	2.7	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-96a. Federal obligations for research and development, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
United States Arms Control & Disarmament Agency[5]	2.1	1.5	1.3	1.1	0.7	1.2	1.2	.0	.0	.0	.0
United States Information Agency[10]	.0	1.1	.6	.3	.1	.2	.3	0.1	NA	NA	NA
United States International Trade Commission[11]	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	.0	.0	.0

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Data for fiscal years 2000-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

5 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

6 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

7 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

8 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

9 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

10 On October 1, 1999, the United States Information Agency was integrated into the United States Department of State.

11 In 2000, the United States International Trade Commission no longer classified any of its activities as research and development.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-97. Federal obligations for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	1,485.7	1,389.8	1,297.5	1,787.3	1,820.8	1,538.8	1,846.0	2,057.1	2,165.1	2,271.7	2,852.8
Departments:											
Dept of Agriculture, total	20.8	21.5	33.9	39.2	40.6	79.4	111.8	135.2	89.2	102.2	144.6
Agricultural Research Svc	17.6	21.1	23.4	28.8	29.0	69.2	43.9	55.5	55.2	44.4	64.7
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	.0	.0	.5	.3	6.1	.0
Cooperative State Research, Ed, & Extension Service	.0	.0	10.0	10.0	10.0	9.5	67.6	76.2	32.2	46.9	61.5
Forest Service	3.2	.4	.5	.4	1.6	.6	.3	2.9	1.6	4.9	18.4
Department of Commerce, total	1.3	1.0	.7	9.4	4.2	9.3	5.2	11.2	9.1	15.4	15.7
National Institute of Standards & Technology	.5	1.0	.7	9.4	4.2	7.7	2.0	10.7	8.6	8.8	8.5
National Oceanic & Atmospheric Administration	.8	.0	.0	.0	.0	1.5	3.2	.5	.5	6.6	7.3
Department of Defense, total	277.7	290.5	312.5	529.2	530.9	286.1	477.2	435.8	499.3	487.3	425.7
Defense Agencies	7.4	25.2	5.8	14.2	4.6	4.5	72.1	124.4	114.4	51.6	128.4
Department of the Air Force	159.6	84.7	138.7	285.4	291.3	130.1	270.3	143.7	250.2	322.2	152.3
Department of the Army	12.8	24.7	26.3	56.2	52.9	53.9	65.8	92.8	45.1	53.1	91.0
Department of the Navy	97.9	155.9	141.7	173.4	182.1	97.6	69.0	74.9	89.6	60.4	54.0
Department of Education	.0	.0	.0	.0	1.1	6.6	21.0	5.2	1.9	8.9	4.2
Department of Energy	978.2	914.0	757.7	852.4	868.4	742.3	772.2	915.0	873.0	916.0	1,220.1
Department of Health & Human Services, total	23.7	24.7	47.9	31.1	42.1	37.9	36.7	19.5	78.6	107.8	86.3
Alcohol, Drug Abuse, & Mental Health Administration	.2	3.3	1.8	.3	.4	.5	.6	.0	.0	.0	.0
Food & Drug Administration	1.2	2.0	28.5	3.0	13.0	8.0	.8	.5	23.0	23.0	18.4
National Insts of Health	22.3	19.4	17.5	27.8	28.8	29.4	35.3	19.0	55.6	84.8	67.8
Social Security Admin	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-
Dept of the Interior, total	3.5	1.3	2.4	5.2	4.2	4.3	11.8	9.4	10.8	14.0	22.2
Bonneville Power Admin	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Mines	.6	.1	.1	-	.0	.0	.0	.0	2.6	3.0	2.1
Geological Survey	.0	.0	1.4	1.0	.8	.8	.8	.8	1.3	1.3	3.3
Minerals Management Service	NA	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3
Office of Water Rsch & Tech	.8	.9	.0	.0	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	1.8	.3	.9	4.2	3.4	3.5	11.0	8.6	6.9	9.5	16.6
Department of Justice, total	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0
Fed Bureau of Investigation	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0
Dept of Transportation, total	18.9	11.9	21.9	16.9	9.0	12.1	11.2	13.9	15.5	21.8	18.4
Coast Guard	.0	.0	.0	.0	.0	.0	.0	.3	.0	.4	.4
Federal Aviation Admin	8.9	5.1	21.4	16.4	8.5	10.9	10.4	13.2	15.5	21.4	16.3
Federal Highway Admin	-	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0
Federal Railroad Admin	9.5	6.3	.0	.0	.0	.0	.0	.4	.0	.0	1.7
National Highway Traffic Safety Administration	.5	.5	.5	.5	.5	.5	.5	.0	.0	.0	.0
Dept of the Treasury, total	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
United States Customs Service	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
United States Secret Service	.0	.0	.0	.0	.0	.1	-	-	-	-	-
Department of Veterans Affairs	14.8	2.8	10.5	6.1	3.3	4.8	5.9	19.5	11.0	3.3	3.4

See explanatory information, if any, and SOURCE at end of table.

Table C-97. Federal obligations for R&D plant, by agency: fiscal years 1981-91

[Dollars in millions]

Agency and subdivision	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Other agencies:											
General Services Admin	.0	.0	.0	.0	.0	18.8	.0	.0	.0	18.8	22.6
International Development Cooperation Agency, total	8.0	6.0	4.8	7.8	6.9	7.5	6.8	6.1	.0	.0	.0
Agcy for Internat'l Dvlpmt	8.0	6.0	4.8	7.8	6.9	7.5	6.8	6.1	.0	.0	.0
Nat'l Aero & Space Admin	115.8	113.7	100.8	244.2	234.3	275.0	309.4	428.2	519.5	527.0	723.6
National Science Foundation	14.6	1.5	3.2	45.2	73.6	53.2	61.3	56.9	53.6	39.3	159.6
Nuclear Regulatory Commission	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	.4	.5	1.0	.2	1.6	.7	2.9	.7	3.4	4.8	1.5
Tennessee Valley Authority	.4	.3	.3	.2	.5	.8	.3	.4	.2	4.9	4.8
United States Arms Control & Disarmament Agency	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-97a. Federal obligations for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	2,984.6	3,100.7	2,215.4	2,256.1	1,746.1	1,926.7	1,813.3	2,045.7	4,492.8	4,554.1	4,293.0
Departments:											
Dept of Agriculture, total	164.7	142.4	125.7	143.4	128.4	184.2	89.8	131.1	86.6	99.7	105.6
Agricultural Research Svc	98.1	78.3	78.3	67.7	67.9	118.9	86.3	118.5	74.6	84.7	90.6
Animal & Plant Health Inspection Service	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0
Cooperative State Research, Ed, & Extension Service	63.0	60.5	42.6	71.3	56.5	63.2	.9	.6	.0	.0	.0
Forest Service	3.6	3.6	4.9	4.3	2.5	2.0	2.6	12.0	12.0	15.0	15.0
Department of Commerce, total	21.0	25.4	31.2	77.7	84.5	43.4	21.4	19.6	200.5	60.7	20.9
National Institute of Standards & Technology	11.2	12.6	30.9	77.2	84.5	21.8	21.4	19.6	200.5	60.7	20.9
National Oceanic & Atmospheric Administration	9.9	12.8	.3	.5	.0	21.6	.0	.0	.0	.0	.0
Department of Defense, total	396.5	371.5	265.7	60.5	46.8	85.5	65.8	107.6	48.2	123.7	89.1
Defense Agencies	98.8	76.3	88.2	5.9	8.3	5.3	1.1	20.2	5.1	6.7	68.9
Department of the Air Force	179.7	231.6	99.3	37.8	24.4	39.1	26.2	47.2	5.5	6.2	4.6
Department of the Army	22.0	18.1	2.1	5.5	6.2	4.1	3.9	4.6	.1	.0	.0
Department of the Navy	96.0	45.5	76.1	11.3	8.0	37.0	34.6	35.6	37.5	110.8	15.6
Department of Education	2.4	2.2	1.8	1.8	.0	.0	.0	.0	.0	.0	.0
Department of Energy	1,320.8	1,461.5	911.8	745.1	705.9	729.3	727.1	866.2	810.8	962.8	972.8
Department of Health & Human Services, total	96.7	149.3	120.2	255.7	133.1	260.1	286.3	252.8	219.6	237.4	414.2
Food & Drug Administration	14.3	19.7	8.4	5.3	5.5	14.5	28.1	2.6	2.5	5.0	7.0
Hlth Resources & Svcs Admin	.3	1.4	1.4	1.6	.7	.7	.9	.6	.6	.6	.6
National Insts of Health	82.1	128.2	110.5	248.8	126.9	244.9	257.3	249.6	216.5	231.8	406.6
Dept of the Interior, total	18.4	23.1	9.0	6.7	1.9	7.2	1.5	1.4	1.3	1.4	1.3
Geological Survey	4.3	3.8	6.4	5.4	1.2	5.0	.0	.0	.0	.0	.0
Minerals Management Service	1.0	1.1	1.2	1.0	.8	2.2	1.5	1.4	1.3	1.4	1.3
Nat'l Biological Svc	NA	.0	1.4	.3	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	13.1	18.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of Transportation, total	25.3	32.3	40.9	28.8	31.8	19.0	17.6	14.6	11.9	15.0	17.3
Coast Guard	.4	.5	.5	.5	.5	.3	.3	.3	.3	.3	.3
Federal Aviation Admin	24.0	22.4	33.0	21.7	20.6	17.2	14.3	14.3	11.5	12.6	15.7
Federal Highway Admin	.8	.9	6.3	3.0	7.3	.9	2.0	.0	.0	.0	.0
Federal Railroad Admin	.1	1.6	1.1	3.5	3.4	.6	1.1	-	.1	2.1	1.3
Federal Transit Admin	.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Treasury, total	.1	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1
United States Customs Service	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
United States Secret Service	-	-	-	-	-	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	5.7	3.4	11.7	7.2	3.8	31.3	.4	.3	.3	.4	.4

See explanatory information, if any, and SOURCE at end of table.

Table C-97a. Federal obligations for R&D plant, by agency: fiscal years 1992-2002

[Dollars in millions]

Agency and subdivision	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Other agencies:											
Environmental Protection Agency	.0	2.5	4.8	4.8	.0	25.0	66.0	116.0	21.0	34.0	21.0
General Services Admin	6.5	1.0	.3	5.1	.1	-	.0	.0	.0	.0	-
Nat'l Aero & Space Admin[1]	817.8	749.4	515.3	624.8	417.4	333.8	350.0	359.5	2,873.0	2,752.0	2,437.0
National Science Foundation	101.6	130.4	171.9	289.6	187.2	203.8	184.3	173.5	216.6	263.0	209.3
Smithsonian Institution	3.8	5.0	5.0	5.0	5.0	4.0	3.0	3.0	3.0	4.0	4.0
Tennessee Valley Authority	3.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

[1] Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-98. Federal obligations for research, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4
Departments:											
Dept of Agriculture, total	741.0	766.5	817.6	834.9	910.9	896.4	918.9	985.2	1,002.2	1,061.3	1,175.5
Agricultural Cooperative Svc	1.7	1.7	2.1	2.2	2.9	2.6	2.7	2.7	2.8	2.7	2.8
Agricultural Marketing Svc	.9	1.0	1.1	1.2	1.3	1.3	1.2	1.3	1.3	2.2	3.7
Agricultural Research Svc	367.9	379.1	417.9	424.3	442.0	436.0	454.6	479.4	492.1	512.3	550.8
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	4.2	4.9	5.6	7.4	.0	.0
Cooperative State Research, Ed, & Extension Service	199.4	219.0	232.3	235.7	284.3	269.0	270.7	298.4	307.3	324.2	376.8
Economic Research Service	39.3	39.3	38.8	43.7	46.4	44.6	44.8	48.1	49.5	50.5	54.4
Forest Service	119.9	107.7	103.9	105.1	109.8	109.7	122.9	131.5	127.5	153.8	170.2
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.8	.6	.7	.6	.8	.2	.7
Human Nutrition Info Svc	.0	8.5	8.2	6.0	6.7	12.8	6.8	8.2	8.4	9.0	9.9
Nat'l Agri Statistics Svc	7.5	7.0	7.6	8.2	8.4	8.0	3.4	3.6	2.9	2.8	3.2
Office of International Cooperation & Development	3.6	2.4	4.8	7.5	7.3	6.6	5.3	4.8	2.3	3.4	3.0
Office of Transportation	.8	.8	.8	.9	1.1	.9	.9	.9	NA	NA	NA
Department of Commerce, total	249.4	276.1	284.8	296.7	324.2	339.5	338.6	342.3	351.0	377.0	449.7
Bureau of the Census	3.0	1.9	2.2	2.4	2.5	2.6	2.8	3.8	3.0	4.9	4.8
Economic Development Admin	1.8	1.6	5.3	5.1	2.0	2.3	5.0	4.2	1.0	1.2	1.4
National Institute of Standards & Technology	66.2	73.9	81.5	83.7	86.5	89.1	89.4	98.9	105.6	111.8	124.3
National Oceanic & Atmospheric Administration	168.5	188.5	188.9	197.7	224.4	237.5	234.4	228.2	234.6	252.4	315.6
National Telecommunications & Information Administration	9.9	10.1	6.9	7.7	7.9	7.6	7.0	7.3	6.9	6.8	3.6
Office of the Secretary	.0	-	-	-	.9	.3	-	.0	.0	.0	.0
Department of Defense, total	2,600.9	2,952.8	3,222.6	3,048.5	3,168.3	3,227.3	3,347.6	3,239.1	3,656.1	3,529.2	3,717.9
Defense Agencies	749.1	901.0	1,013.6	834.3	816.9	856.7	866.1	964.5	1,242.1	1,165.1	1,153.0
Department of the Air Force	617.3	633.9	688.4	740.1	736.7	759.0	784.8	773.1	807.4	776.3	830.4
Department of the Army	536.5	639.2	693.6	708.8	823.4	827.3	909.9	753.7	823.4	780.2	860.5
Department of the Navy	698.0	778.7	827.0	765.4	791.3	784.3	786.7	747.8	783.2	807.6	874.0
Department of Education	53.8	70.5	76.1	80.9	91.9	95.8	106.9	111.0	122.0	130.3	131.7
Department of Energy	1,413.6	1,696.1	1,961.1	2,024.9	2,141.0	2,040.3	2,097.9	2,235.4	2,431.7	2,570.5	3,273.6

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for research, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Department of Health & Human Services, total	3,492.2	3,605.6	4,020.8	4,466.0	5,028.3	5,189.6	6,021.9	6,497.0	7,088.4	7,467.1	8,162.5
Agency for Healthcare Research and Quality	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.2	93.0
Alcohol, Drug Abuse, & Mental Health Administration	237.7	246.1	300.4	336.0	376.4	394.9	473.3	552.4	692.6	801.2	923.0
Centers for Disease Control & Prevention	74.8	75.0	78.2	46.3	47.6	52.2	66.2	88.7	117.8	95.6	113.4
Food & Drug Administration	71.4	73.0	74.2	77.8	82.1	79.4	85.0	91.0	99.0	99.0	125.0
Health Care Financing Admin	38.6	29.1	30.2	33.1	33.5	29.0	27.3	28.2	49.1	49.1	69.1
Health Resources Admin	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	6.7	11.0	16.2	18.2	12.3	9.3	10.0	10.5	11.9	11.0
Health Services Admin	10.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	39.9	8.7	6.9	4.5	5.8	6.8	9.4	7.1	8.5	7.7	NA
National Insts of Health	2,948.3	3,124.5	3,478.2	3,910.4	4,428.1	4,587.6	5,314.7	5,680.7	6,061.8	6,335.8	6,783.0
Office of the Assistant Secretary for Health	28.8	13.9	16.6	18.1	16.9	15.8	18.9	19.4	25.6	5.8	9.6
Office of the Secretary	19.5	13.1	14.4	10.0	9.4	6.1	8.2	4.7	7.8	5.0	8.8
Social Security Admin	18.0	15.5	10.8	13.5	10.4	5.6	9.8	14.7	15.8	11.8	10.2
Dept of Housing & Urban Dvlpmt	16.7	10.3	11.3	6.3	6.5	5.3	5.5	6.3	6.1	6.6	9.4
Dept of the Interior, total	369.8	351.5	357.7	380.2	369.3	367.9	382.1	392.5	441.9	475.2	553.4
Bonneville Power Admin	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.5	2.4	2.0	1.8	2.8	2.1	2.1	2.2	2.0	2.1	5.9
Bureau of Mines	68.0	81.1	79.4	97.2	86.5	81.6	85.2	86.2	93.2	89.9	99.0
Bureau of Reclamation	13.4	9.0	8.8	9.0	11.2	9.7	10.2	3.7	3.5	5.3	7.8
Geological Survey	169.3	152.1	154.7	204.0	210.5	211.2	216.5	225.3	266.9	293.2	338.4
Minerals Management Service	NA	.0	1.5	1.5	1.4	1.1	1.0	1.2	2.2	1.9	2.7
National Park Service	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1	27.5
Office of the Secretary	1.5	.5	7.4	.1	1.9	1.0	.0	.1	.0	.0	.1
Office of Surface Mining Reclamation & Enforcement	5.8	1.5	1.5	.8	2.0	2.3	1.0	1.0	.7	.7	1.0
Office of Water Rsch & Tech	15.8	10.1	1.2	3.6	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	77.8	83.6	87.5	48.3	37.9	41.7	47.6	53.5	53.9	62.0	71.0
Department of Justice, total	19.5	16.3	20.7	17.9	19.3	22.3	19.8	17.4	17.5	19.9	21.1
Bureau of Prisons	1.7	.9	1.3	1.2	1.1	2.7	2.2	2.1	2.1	1.8	1.9
Drug Enforcement Admin	.4	1.3	.9	.7	.5	.8	.7	.6	.5	.4	.9
Immigration & Naturalization Service	.1	.3	.3	.3	.2	.2	.2	.3	.1	.4	.4
Office of Justice Programs	16.7	13.4	18.0	15.7	17.2	18.5	16.7	14.4	14.8	17.3	17.9
Office of Legal Policy	.7	.4	.2	.0	.3	.2	.1	.0	.0	.0	.0
Department of Labor, total	58.2	17.2	17.9	16.3	12.4	9.5	20.4	26.7	22.2	21.6	24.3
Bureau of Labor Statistics	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3	7.5
Employment Standards Admin	3.2	1.4	1.4	.9	-	.0	1.0	.1	.1	.1	.0
Employment & Training Admin	48.8	8.7	7.9	6.1	3.5	3.5	5.4	6.8	6.1	6.0	6.6
Labor-Management Relations & Cooperative Programs	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA	NA
Labor-Management Services Administration	1.8	.7	.9	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5	2.6
Office of the Secretary	1.1	.9	1.5	1.9	1.7	1.3	1.8	5.2	2.5	3.3	4.7
Pension & Welfare Benefits Administration	NA	NA	NA	1.2	1.6	.3	1.0	2.7	1.4	2.1	2.5
Pension Benefit Guaranty Corp	.1	.3	.3	.3	.2	.1	.3	.3	.3	.3	.4
Department of State, total	1.6	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7	5.9
Departmental Funds	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for research, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Dept of Transportation, total	88.6	66.7	72.6	77.7	71.2	68.2	68.8	91.2	120.5	119.2	114.6
Coast Guard	15.0	1.7	1.2	7.2	5.4	3.5	3.7	5.4	4.6	5.1	6.4
Federal Aviation Admin	8.2	7.0	12.5	15.0	17.3	14.0	11.1	13.3	23.6	26.1	24.0
Federal Highway Admin	5.1	5.3	7.3	6.1	6.3	14.7	20.7	43.7	56.6	57.6	46.1
Federal Railroad Admin	6.2	3.1	2.8	12.3	11.4	12.5	10.4	8.2	7.5	8.5	13.2
Federal Transit Admin	9.3	19.4	18.3	1.0	.5	.0	.0	.0	.0	.0	.0
Maritime Administration	9.5	6.6	6.2	8.6	8.0	6.8	3.3	.5	.0	.9	1.7
National Highway Traffic Safety Administration	29.4	21.3	21.4	24.7	20.9	16.1	18.9	19.1	26.2	16.9	21.4
Office of the Secretary	.7	.3	.3	.9	.9	.4	.4	.7	1.3	1.7	.6
Research & Special Programs Administration	5.2	2.1	2.6	1.8	.5	.3	.2	.4	.7	2.4	1.4
Dept of the Treasury, total	5.2	8.1	10.2	10.6	18.3	17.7	17.4	15.9	16.3	18.7	24.1
Bureau of Alcohol, Tobacco, & Firearms	.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	.9	2.8	2.0	2.2	3.4	3.1	2.8	1.2	1.4	1.4	2.7
Internal Revenue Service	4.2	5.3	7.9	8.1	14.7	14.0	14.1	13.7	14.1	16.5	17.5
United States Customs Service	.1	-	.0	.1	.1	.2	.2	.7	.4	.4	.5
United States Secret Service	.0	.0	.3	.1	.2	.4	.2	.4	.4	.5	.4
Department of Veterans Affairs	127.7	123.0	146.1	171.9	209.1	169.9	190.3	196.1	213.7	215.6	193.8
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.2	2.0	2.1	2.1	2.4	2.1	1.9	1.8	1.1	1.5	1.7
Appalachian Regional Comm	.3	.3	.2	.4	.2	.2	.1	.2	.8	.4	.7
Community Services Admin	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	.2	.1	.3	1.1	1.4	1.1	.6	.1	.5	.4	.9
Environmental Protection Agcy	218.3	243.4	174.6	172.0	214.6	217.8	277.2	267.9	273.3	315.2	353.1
Fed Communications Commission	1.8	1.2	1.3	.9	1.2	.9	1.0	1.2	1.1	1.3	1.4
Federal Emergency Management Agency, total	9.1	9.2	3.3	6.1	2.9	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5	1.0
General Services Admin	.4	.5	.2	.4	.4	.9	1.6	2.3	.5	.7	.0
International Development Cooperation Agency, total	86.4	127.9	156.7	167.0	159.8	184.9	154.0	135.1	219.1	305.2	357.4
Agcy for Internat'l Dvlpmt	86.4	127.9	156.7	167.0	159.8	184.9	154.0	135.1	219.1	305.2	357.4
Library of Congress	.9	.9	1.3	2.1	2.1	1.6	1.5	1.6	1.6	1.5	1.7
Nat'l Aero & Space Admin	1,407.2	1,407.1	1,544.8	1,709.2	1,783.6	2,069.0	2,269.2	2,331.6	2,878.8	3,060.7	3,371.2
Nat'l Archives & Records Administration	NA	NA	NA	NA	.2	.0	.7	.5	.2	.3	.6
National Science Foundation	955.5	973.2	1,062.0	1,202.8	1,345.6	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2
Nuclear Regulatory Commission	219.7	220.3	207.3	190.7	150.0	123.8	122.5	108.5	114.8	108.8	108.8
Office of Personnel Management	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1	.0
Smithsonian Institution	44.9	52.4	56.0	63.6	71.1	63.3	71.5	75.1	80.2	84.0	98.0
Tennessee Valley Authority	14.2	12.7	12.3	14.3	14.4	17.8	17.7	18.5	14.6	21.7	18.8
United States Arms Control & Disarmament Agency	1.6	1.3	.8	1.2	1.1	.9	.4	.8	1.2	.2	.4
United States Information Agency	1.1	.0	-	1.4	.1	1.6	.0	.1	.0	.5	.1
United States International Trade Commission	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1	9.9

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-98a. Federal obligations for research, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	24,490.6	26,890.5	27,411.2	28,434.4	28,259.8	29,365.3	30,922.3	33,527.5	38,470.6	43,836.0	45,326.9
Departments:											
Dept of Agriculture, total	1,261.0	1,251.7	1,322.5	1,298.8	1,220.0	1,290.1	1,333.9	1,488.1	1,611.5	1,832.5	1,655.7
Agricultural Cooperative Svc	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	4.1	4.1	4.2	4.2	4.2	4.2	4.0	4.0	4.3	4.4	4.4
Agricultural Research Svc	583.2	574.3	624.4	628.6	621.2	625.7	689.7	778.1	805.1	898.5	892.1
Cooperative State Research, Ed, & Extension Service	418.2	418.6	429.0	417.7	362.4	433.5	386.4	462.5	535.0	660.9	476.8
Economic Research Service	58.9	58.9	55.2	53.8	53.0	53.0	71.5	62.5	64.2	65.9	67.2
Food Safety Inspection Svc	.0	.0	.0	.0	.0	.0	.1	.3	2.0	.0	.0
Foreign Agricultural Svc	.0	.0	1.1	.9	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	175.8	177.2	189.8	187.7	172.3	165.9	172.3	169.4	191.8	192.6	203.0
Grain Inspection Packers & Stockyards Administration	1.5	1.8	1.8	.3	.5	.6	.5	2.7	.7	1.1	1.2
Human Nutrition Info Svc	10.7	8.4	7.0	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.6	3.9	3.9	4.0	3.8	3.4	3.3	3.6	3.9	3.9	3.9
Office of International Cooperation & Development	1.5	1.5	.0	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.1	3.9	5.6
Department of Commerce, total	595.9	582.1	718.3	892.3	850.6	808.1	807.0	848.0	895.9	976.7	1,020.2
Bureau of the Census	3.4	3.3	2.8	2.9	2.5	3.4	5.2	5.9	4.3	.1	.0
Economic Development Admin	.5	.0	.6	.5	.6	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	149.4	172.9	207.3	372.1	354.8	331.5	305.4	309.0	308.6	295.0	296.4
National Oceanic & Atmospheric Administration	438.7	401.7	502.7	510.4	480.8	468.8	492.1	528.8	578.5	676.8	719.3
National Telecommunications & Information Administration	4.0	4.2	4.8	6.4	11.9	3.8	3.8	3.8	4.0	4.2	4.0
Office of the Secretary	.0	.0	.0	-	-	.0	.0	.0	.0	.0	.0
Department of Defense, total	4,073.4	4,783.5	4,240.6	4,198.4	3,995.5	3,809.8	3,969.9	4,142.3	4,920.4	5,722.8	5,020.2
Defense Agencies	1,457.3	1,881.0	1,726.6	1,632.0	1,549.3	1,397.5	1,593.0	1,655.9	1,899.3	2,484.8	2,195.1
Department of the Air Force	790.5	887.8	814.3	834.5	882.3	816.6	736.9	764.8	1,096.5	1,057.2	989.1
Department of the Army	932.7	1,018.6	852.6	852.1	670.4	710.0	817.8	848.4	970.9	1,114.1	869.8
Department of the Navy	892.8	996.1	847.1	880.0	893.5	885.7	822.2	873.2	953.7	1,066.7	966.2
Department of Education	127.0	133.6	136.8	138.4	135.5	138.1	148.7	148.6	163.5	180.9	186.0
Department of Energy	3,412.5	3,440.2	3,282.5	3,459.9	3,362.2	3,567.7	3,787.5	3,919.8	4,100.9	4,582.4	4,504.2
Department of Health & Human Services, total	7,945.5	9,192.6	9,736.4	10,076.0	10,545.9	11,228.1	12,018.5	13,714.6	17,913.1	20,701.1	23,135.5
Administration for Children & Families	34.3	18.5	10.4	11.2	12.6	17.4	23.5	24.9	27.3	27.9	28.5
Administration on Aging	2.5	2.7	3.5	3.0	.2	.2	2.4	2.4	2.8	3.7	.0
Agency for Healthcare Research and Quality[1]	97.8	105.6	142.0	124.0	116.0	134.1	138.8	171.3	186.8	253.6	287.9
Agency for Toxic Substance Disease & Registry[2]	NA	NA	NA	NA	NA	NA	NA	NA	14.7	15.4	16.1
Centers for Disease Control & Prevention	146.9	162.5	206.8	317.4	296.7	323.0	343.6	433.3	505.0	569.9	568.5
Food & Drug Administration	135.7	154.5	169.4	170.5	170.8	158.6	142.9	130.8	144.2	151.5	158.5
Health Care Financing Admin	75.5	68.2	80.0	74.5	52.7	43.6	51.2	49.7	61.5	138.3	55.3
Hlth Resources & Svcs Admin	10.1	9.6	10.6	12.2	11.1	13.1	12.9	12.8	35.6	51.0	20.9
National Insts of Health[3]	7,398.7	8,638.5	9,079.7	9,333.6	9,876.9	10,519.7	11,289.2	12,875.5	16,918.3	19,472.7	21,982.5
Office of the Assistant Secretary for Health	6.0	.0	.0	.0	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	5.0	8.0	11.7	9.1	9.0	18.4	13.9	13.9	16.7	17.0	17.3
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	9.0	18.4	13.9	13.9	16.7	17.0	17.3
Social Security Admin	33.0	24.5	22.2	20.4	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for research, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Dept of Housing & Urban Dvlpmt	8.8	8.1	13.7	14.2	11.2	11.3	9.2	19.1	15.5	18.9	15.3
Dept of the Interior, total	570.6	580.1	650.2	532.4	542.1	552.7	502.9	610.0	548.5	589.6	532.7
Bureau of Land Management	5.9	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	102.9	105.0	95.4	.0	NA	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	10.7	7.4	5.5	6.0	4.9	5.4	6.6	7.7	7.4	7.6	6.3
Geological Survey	344.5	343.9	355.4	347.9	495.1	500.7	437.2	550.2	477.1	517.9	461.2
Minerals Management Service	3.8	5.8	20.6	20.0	21.9	20.6	29.3	28.8	29.2	29.4	29.4
Nat'l Biological Svc	NA	.0	149.0	138.8	NA	NA	NA	NA	NA	NA	NA
National Park Service	31.1	38.1	24.2	19.7	20.2	26.0	29.7	23.4	34.7	34.7	35.8
Office of the Secretary	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
United States Fish & Wildlife Service	71.2	71.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	20.3	25.6	25.9	25.8	32.0	32.5	42.0	54.0	49.6	64.6	41.7
Bureau of Prisons	2.5	2.5	2.1	3.2	3.1	1.9	4.3	7.4	3.4	3.3	3.4
Drug Enforcement Admin	.1	-	.1	.0	-	-	.0	.0	.0	.0	.0
Immigration & Naturalization Service	.4	.4	.4	.4	.2	.4	.0	.0	.0	.0	.0
Office of Justice Programs	17.3	22.7	23.3	22.2	28.7	30.2	37.7	46.6	46.1	61.4	38.3
Department of Labor, total	23.8	19.0	19.6	29.9	26.7	21.7	22.1	27.7	46.1	47.9	49.3
Bureau of Labor Statistics	7.6	6.9	7.1	14.8	13.3	12.6	12.4	12.4	12.3	12.3	12.3
Employment & Training Admin	5.6	3.5	3.1	4.2	2.6	1.5	2.2	8.8	25.0	26.2	27.6
Occupational Safety & Health Administration	3.1	2.5	3.3	4.4	6.6	5.5	4.6	3.8	5.8	5.5	5.7
Office of the Secretary	4.1	2.9	3.1	2.9	1.8	.1	.1	.2	.3	.2	.2
Pension & Welfare Benefits Administration	2.6	2.6	2.7	3.6	2.3	2.0	2.7	2.5	2.7	3.5	3.5
Pension Benefit Guaranty Corp	.8	.7	.3	.1	.1	.1	.1	.1	.1	.1	.1
Department of State[4]	5.6	5.3	.4	.5	.9	1.0	.9	1.5	1.5	1.6	1.6
Dept of Transportation, total	156.9	226.1	273.4	370.7	375.2	381.2	401.0	476.7	344.4	413.7	420.7
Coast Guard	5.0	8.2	5.6	4.9	5.0	5.7	5.1	5.1	5.0	5.9	5.7
Federal Aviation Admin	30.1	59.8	79.5	83.3	130.6	159.4	151.6	142.3	164.4	200.1	187.8
Federal Highway Admin	73.2	91.7	134.2	203.1	173.9	149.2	169.6	247.8	92.9	108.2	126.2
Federal Railroad Admin	18.9	20.9	16.1	22.5	21.3	18.2	21.2	20.3	24.2	24.9	26.7
Federal Transit Admin	.0	10.9	7.8	10.9	5.6	6.0	7.4	4.8	.0	2.5	.0
Federal Motor Carrier Safety Administration[5]	NA	NA	NA	NA	NA	NA	NA	NA	2.8	8.0	9.9
Maritime Administration	1.8	1.7	1.7	2.5	.0	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	25.8	31.6	25.3	39.7	33.2	36.4	41.6	50.4	50.6	58.3	59.0
Office of the Secretary	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Administration	1.4	.5	2.6	3.2	5.6	6.3	4.6	6.0	4.5	5.8	5.5
Dept of the Treasury, total	20.8	11.1	9.2	48.9	50.5	50.9	52.6	50.7	51.2	64.4	67.3
Bureau of Engraving & Printing	1.8	3.2	1.6	1.3	1.6	1.6	2.7	2.0	2.7	3.2	3.2
Internal Revenue Service	17.5	6.5	6.1	45.8	47.5	47.9	47.9	48.0	47.4	58.8	61.7
Office of Thrift Supervision	.8	.7	.5	.6	.5	.6	.7	.1	.1	.2	.2
United States Customs Service	.2	.1	.5	.7	.5	.4	.8	.0	.0	1.2	1.0
United States Secret Service	.5	.6	.5	.5	.5	.4	.5	.5	1.0	.9	1.1
Department of Veterans Affairs	200.9	207.4	223.5	218.8	235.3	231.0	269.1	332.3	334.6	343.2	353.0

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for research, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.7	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.7	.8
Broadcasting Board of Governors[6]	NA	NA	NA	NA	NA	NA	NA	NA	.1	-	.1
Consumer Product Safety Comm	.8	.8	.1	.0	.0	.1	.0	.0	.0	.0	.0
Environmental Protection Agcy[2]	404.3	361.5	402.3	401.6	380.8	409.1	477.2	457.0	410.7	473.9	442.1
Fed Communications Commission	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	2.8	2.0	1.3
Federal Trade Commission	1.3	.9	.7	.6	.5	.7	1.1	1.3	.7	1.3	1.5
International Development Cooperation Agency, total	300.1	359.2	216.2	272.7	205.0	176.7	172.9	163.8	189.2	200.3	201.0
Agcy for International Development[7]	300.1	359.2	216.2	272.7	205.0	176.7	172.9	163.8	189.2	200.3	201.0
Library of Congress	1.8	1.8	1.9	2.1	2.2	.5	.5	.5	.6	1.7	1.0
Nat'l Aero & Space Admin[8]	3,229.3	3,548.7	3,840.6	4,046.1	3,878.0	4,184.9	4,413.7	4,357.9	3,964.0	4,412.0	4,421.0
Nat'l Archives & Records Admin	.6	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,868.4	1,881.9	2,040.4	2,149.3	2,188.3	2,248.5	2,289.3	2,506.0	2,725.5	3,015.3	3,017.1
Nuclear Regulatory Commission	119.0	119.8	90.7	88.2	70.9	62.1	51.7	49.0	53.0	50.0	55.0
Smithsonian Institution	98.0	102.0	124.2	124.0	127.0	130.0	120.0	90.0	98.0	100.0	102.0
Social Security Admin	NA	NA	NA	NA	11.5	13.6	17.4	53.3	28.7	38.5	80.4
Tennessee Valley Authority	24.4	27.9	25.9	26.4	4.2	4.0	.8	.0	.0	.0	.0
United States Arms Control & Disarmament Agency[4]	2.1	1.5	1.3	1.1	.7	1.2	1.2	.0	.0	.0	.0
United States Information Agency[9]	.0	1.1	.6	.3	.1	.2	.3	.1	NA	NA	NA
United States International Trade Commission[10]	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	.0	.0	.0

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

5 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

6 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

7 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

8 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

9 On October 1, 1999, the United States Information Agency was integrated into the U.S. Department of State.

10 In 2000, the United States International Trade Commission no longer classified any of its activities as research and development.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-99. Federal obligations for basic research, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8
Departments:											
Dept of Agriculture, total	314.1	330.8	362.0	392.6	445.4	432.9	445.5	480.6	484.9	519.2	557.6
Agricultural Marketing Svc	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
Agricultural Research Svc	186.4	192.9	215.3	240.6	250.2	247.7	253.4	271.1	282.7	294.0	309.7
Cooperative State Research, Ed, & Extension Service	83.9	91.3	98.8	99.6	141.5	131.7	132.8	145.8	142.6	153.7	170.4
Economic Research Service	3.6	3.9	3.9	4.4	4.6	4.5	6.3	6.7	6.9	7.1	7.6
Forest Service	38.1	38.7	38.8	41.2	44.1	42.2	49.4	51.6	50.0	60.3	66.6
Nat'l Agri Statistics Svc	.0	2.3	2.5	2.7	2.8	2.6	1.1	1.2	1.0	.9	1.1
Office of International Cooperation & Development	1.7	1.1	2.3	3.6	1.5	3.7	1.9	3.6	1.7	2.6	2.2
Office of Transportation	.5	.5	.5	.6	.6	.5	.5	.5	NA	NA	NA
Department of Commerce, total	16.2	16.9	19.2	20.6	23.2	26.5	25.8	30.9	29.1	31.4	34.3
Bureau of the Census	.4	.3	.3	.4	.4	.5	.7	1.3	1.2	2.8	2.4
Economic Development Admin	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
National Institute of Standards & Technology	15.6	16.5	18.4	20.2	22.1	25.7	25.1	26.3	27.9	28.6	31.9
National Oceanic & Atmospheric Administration	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0
Office of the Secretary	.0	-	-	.0	.8	.3	.0	.0	.0	.0	.0
Department of Defense, total	604.3	686.7	785.6	847.9	861.4	923.9	907.6	876.9	947.9	947.6	994.2
Defense Agencies	92.4	72.9	107.7	117.6	79.2	121.7	114.8	173.0	203.9	200.5	208.3
Department of the Air Force	125.8	145.8	164.2	192.4	198.3	216.5	221.6	196.4	202.8	197.0	209.2
Department of the Army	148.1	187.7	208.3	222.1	240.8	248.5	217.0	165.7	187.2	185.1	188.6
Department of the Navy	238.0	280.3	305.4	315.8	343.1	337.3	354.3	341.8	354.0	365.0	388.0
Department of Education	20.6	14.2	14.2	12.2	14.6	4.5	3.1	4.4	4.4	4.9	8.6
Department of Energy	586.3	642.2	767.7	830.4	942.6	959.7	1,068.5	1,184.8	1,410.9	1,504.8	1,686.5
Department of Health & Human Services, total	1,900.4	2,144.7	2,475.4	2,814.5	3,232.5	3,338.8	3,827.9	4,081.4	4,388.0	4,649.0	5,050.1
Alcohol, Drug Abuse, & Mental Health Administration	116.3	117.3	145.0	170.8	196.8	203.4	232.2	265.8	308.0	386.2	459.1
Hlth Resources & Svcs Admin	NA	.6	.8	.8	.9	1.0	1.3	1.1	1.2	1.2	1.5
Health Services Admin	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
National Insts of Health	1,766.8	2,020.7	2,313.0	2,624.8	3,018.0	3,118.6	3,575.5	3,795.1	4,053.3	4,261.7	4,589.5
Office of the Assistant Secretary for Health	12.4	5.7	16.6	18.1	16.9	15.8	18.9	19.4	25.6	.0	.0
Office of the Secretary	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Interior, total	80.7	76.5	103.0	125.9	138.3	133.0	134.9	126.5	188.9	205.4	229.3
Bonneville Power Admin	.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
Bureau of Mines	13.6	15.9	23.5	40.5	49.9	44.9	45.6	32.1	43.9	40.6	42.8
Bureau of Reclamation	.1	.1	.1	.1	.3	.1	.1	.1	-	.1	.1
Geological Survey	53.5	52.6	64.7	78.9	80.5	83.4	84.9	89.5	140.2	159.1	179.1
Office of the Secretary	1.5	.5	7.4	.1	1.9	1.0	.0	.0	.0	.0	.0
Office of Water Rsch & Tech	7.6	3.3	.5	.4	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	3.9	4.1	6.9	5.9	5.7	3.6	4.3	4.8	4.8	5.6	6.2
Department of Justice, total	4.6	3.1	3.6	4.7	4.2	5.3	8.1	7.6	6.8	8.8	6.4
Office of Justice Programs	4.6	3.1	3.6	4.7	4.2	5.3	8.1	7.6	6.8	8.8	6.4

See explanatory information, if any, and SOURCE at end of table.

Table C-99. Federal obligations for basic research, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Department of Labor, total	3.7	6.5	5.3	5.0	3.3	0.9	1.4	0.4	0.3	0.3	0.3
Employment & Training Admin	3.7	6.5	5.3	5.0	3.3	.9	1.4	.4	.3	.3	.3
Department of State, total	.0	.0	.0	.0	.0	.0	2.6	3.1	3.4	3.5	4.6
Dept of Transportation, total	1.2	1.0	.9	3.5	1.1	.6	.2	.0	.0	.0	.0
Coast Guard	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
Maritime Administration	.7	1.0	.5	3.5	1.1	.6	.2	.0	.0	.0	.0
Research & Special Programs Administration	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Treasury, total	2.3	2.2	3.5	4.0	4.8	5.1	4.7	4.8	3.4	3.4	3.6
Bureau of Engraving & Printing	.0	.0	.6	.8	.3	.4	.1	.1	.5	.0	.0
Internal Revenue Service	2.3	2.2	2.9	3.2	4.4	4.5	4.4	4.7	2.9	3.4	3.6
United States Secret Service	.0	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0
Department of Veterans Affairs	15.0	12.9	14.1	15.8	15.4	14.8	17.2	17.3	16.6	16.2	16.1
Other agencies:											
Consumer Product Safety Comm	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agcy	10.5	32.7	22.2	29.6	38.6	38.5	31.1	27.2	50.7	73.6	91.2
Federal Emergency Management Agency, total	2.6	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	.9	1.0	1.2	1.3	1.5	1.6	.0	.0	.0	.0	.0
General Services Admin	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	.0	.0	4.1	3.0	1.7	4.3	2.8	3.0	3.1	5.0	5.7
Agcy for Internat'l Dvlpmt	.0	.0	4.1	3.0	1.7	4.3	2.8	3.0	3.1	5.0	5.7
Library of Congress	.2	.1	.3	.6	.6	.4	.4	.4	.4	.3	.4
Nat'l Aero & Space Admin	531.1	535.7	617.0	754.5	750.9	916.7	1,013.7	1,112.7	1,417.4	1,636.9	1,705.6
Nat'l Archives & Records Administration	NA	NA	NA	NA	.1	.0	.5	.2	.1	.2	.4
National Science Foundation	896.6	916.1	999.1	1,132.3	1,261.8	1,275.2	1,371.2	1,433.2	1,562.6	1,586.3	1,676.2
Smithsonian Institution	44.9	52.4	56.0	63.6	71.1	63.3	71.5	75.1	80.2	84.0	98.0
Tennessee Valley Authority	4.8	4.6	5.6	5.1	5.5	7.3	3.9	3.2	2.9	4.7	1.9
United States Information Agency	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-99a. Federal obligations for basic research, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	12,489.9	13,399.1	13,523.5	13,877.0	14,464.0	14,941.9	15,613.0	17,443.7	19,569.8	22,704.7	23,399.3
Departments:											
Dept of Agriculture, total	595.2	615.9	606.3	595.0	550.0	590.1	603.8	743.3	807.9	906.8	848.8
Agricultural Research Svc	326.1	341.0	366.5	369.0	364.6	364.4	401.7	461.7	477.7	533.2	529.4
Cooperative State Research, Ed, & Extension Service	189.6	192.5	194.7	186.0	148.7	189.9	163.5	189.6	229.9	273.2	213.8
Economic Research Service	8.2	10.6	9.9	5.4	5.3	5.3	7.2	6.2	6.4	6.6	6.7
Food Safety Inspection Svc	.0	.0	.0	.0	.0	.0	.1	.1	.4	.0	.0
Foreign Agricultural Svc	.0	.0	.7	.5	.9	.9	.9	.9	.8	.8	.8
Forest Service	68.9	69.4	33.3	32.9	29.3	28.4	29.3	80.8	91.4	91.8	96.8
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.0	.0	.0	2.7	.0	.0	.0
Nat'l Agri Statistics Svc	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.2	1.3	1.3	1.3
Office of International Cooperation & Development	1.2	1.2	.0	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	34.5	37.2	40.1	39.3	37.5	39.2	39.6	49.1	46.4	47.9	53.4
Bureau of the Census	.9	.4	.3	.3	.9	1.1	.6	2.0	1.8	-	.0
National Institute of Standards & Technology	33.6	36.5	39.8	38.9	36.7	38.2	38.6	42.0	40.3	43.3	48.8
National Oceanic & Atmospheric Administration	.0	.3	.0	.0	.0	.0	.4	5.1	4.3	4.5	4.5
Department of Defense, total	1,098.9	1,268.2	1,200.7	1,248.3	1,137.9	1,022.9	1,030.8	1,040.2	1,230.1	1,915.6	1,363.2
Defense Agencies	294.4	411.8	344.9	413.3	338.2	309.2	334.3	311.9	417.1	1,086.6	518.2
Department of the Air Force	205.8	218.7	242.4	206.8	227.9	188.1	185.6	191.4	253.4	238.5	238.1
Department of the Army	204.9	215.7	213.3	218.8	195.1	178.3	182.0	181.1	205.3	204.6	208.2
Department of the Navy	393.8	422.0	400.1	409.4	376.7	347.2	329.0	355.8	354.3	386.0	398.8
Department of Education	7.5	5.3	5.5	5.5	3.5	3.0	2.1	2.0	2.1	2.3	2.1
Department of Energy	1,736.4	1,754.8	1,603.2	1,634.4	1,929.7	1,970.9	2,028.8	2,131.8	2,175.8	2,369.0	2,339.2
Department of Health & Human Services, total	5,058.7	5,696.7	5,884.0	6,061.1	6,504.6	6,851.8	7,355.4	8,632.5	10,055.4	11,533.4	12,969.0
Agency for Healthcare Research and Quality[1]	.0	.0	.8	.0	.0	.0	.0	.0	.2	.0	.0
Hlth Resources & Svcs Admin	1.3	1.1	.8	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2
National Insts of Health[2]	5,057.4	5,695.6	5,882.4	6,060.0	6,503.6	6,850.7	7,354.3	8,631.3	10,054.1	11,532.2	12,967.8
Dept of the Interior, total	230.9	230.3	83.2	55.2	56.0	56.4	48.7	59.1	51.8	56.4	53.7
Bureau of Land Management	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	43.7	44.6	25.4	.0	NA	NA	NA	NA	NA	NA	NA
Geological Survey	180.1	178.0	43.5	41.6	55.5	55.9	48.2	58.6	51.3	55.9	53.0
Nat'l Biological Svc	NA	.0	13.7	13.0	NA	NA	NA	NA	NA	NA	NA
National Park Service	.0	.6	.7	.5	.5	.5	.5	.5	.5	.5	.7
United States Fish & Wildlife Service	6.4	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	5.3	5.0	5.9	8.1	12.6	12.4	16.0	17.8	21.7	21.4	21.3
Office of Justice Programs	5.3	5.0	5.9	8.1	12.6	12.4	16.0	17.8	21.7	21.4	21.3
Department of Labor, total	.2	5.6	5.8	13.3	11.5	11.3	11.1	11.1	11.0	11.0	11.0
Bureau of Labor Statistics	.0	5.4	5.6	13.3	11.5	11.3	11.1	11.1	11.0	11.0	11.0
Employment & Training Admin	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
Pension Benefit Guaranty Corp	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of State[3]	4.9	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-99a. Federal obligations for basic research, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Dept of Transportation, total	1.2	1.7	3.0	46.9	38.4	37.5	35.0	60.7	16.2	30.0	33.2
Federal Highway Admin	1.2	1.7	3.0	46.9	38.4	37.5	35.0	60.7	16.2	30.0	33.2
Office of the Secretary	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Treasury, total	3.6	6.5	-	-	-	-	-	-	-	-	-
Bureau of Engraving & Printing	.0	.0	-	-	-	-	-	-	-	-	-
Internal Revenue Service	3.6	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	15.7	13.3	14.4	12.4	12.5	13.6	120.0	148.4	149.2	153.3	157.7
Other agencies:											
Environmental Protection Agcy[4]	110.4	89.1	101.4	70.3	51.7	51.1	57.4	57.0	58.6	104.4	97.6
International Development Cooperation Agency, total	5.8	8.4	1.8	2.3	2.0	.1	1.8	.1	.1	.1	.1
Agcy for International Development[5]	5.8	8.4	1.8	2.3	2.0	.1	1.8	.1	.1	.1	.1
Library of Congress	.4	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0
Nat'l Aero & Space Admin[6]	1,738.2	1,800.1	1,963.9	1,978.2	1,980.9	2,094.8	2,023.8	2,040.9	2,305.4	2,657.3	2,548.1
Nat'l Archives & Records Admin	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	1,741.5	1,743.8	1,870.7	1,973.3	2,007.4	2,056.7	2,118.7	2,359.5	2,540.0	2,795.7	2,799.1
Smithsonian Institution	98.0	102.0	124.2	124.0	127.0	130.0	120.0	90.0	98.0	100.0	102.0
Tennessee Valley Authority	2.1	9.9	8.9	9.0	.3	.0	-	.0	.0	.0	.0

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

4 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

5 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

6 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-100. Federal obligations for applied research, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6
Departments:											
Dept of Agriculture, total	426.9	435.7	455.5	442.2	465.6	463.5	473.4	504.6	517.3	542.1	617.9
Agricultural Cooperative Svc	1.7	1.7	2.1	2.2	2.9	2.6	2.7	2.7	2.8	2.7	2.8
Agricultural Marketing Svc	.9	1.0	1.1	1.2	1.3	1.3	1.2	1.3	1.3	1.7	3.7
Agricultural Research Svc	181.5	186.2	202.6	183.7	191.8	188.3	201.1	208.2	209.4	218.2	241.1
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	4.2	4.9	5.6	7.4	.0	.0
Cooperative State Research, Ed, & Extension Service	115.5	127.7	133.5	136.2	142.8	137.4	138.0	152.6	164.7	170.5	206.4
Economic Research Service	35.8	35.3	34.9	39.3	41.7	40.1	38.5	41.4	42.6	43.5	46.8
Forest Service	81.8	69.0	65.1	63.9	65.7	67.5	73.5	79.9	77.5	93.5	103.6
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.8	.6	.7	.6	.8	.2	.7
Human Nutrition Info Svc	NA	8.5	8.2	6.0	6.7	12.8	6.8	8.2	8.4	9.0	9.9
Nat'l Agri Statistics Svc	NA	4.7	5.1	5.5	5.6	5.4	2.3	2.4	1.9	1.9	2.2
Office of International Cooperation & Development	1.9	1.2	2.5	3.9	5.8	2.9	3.3	1.2	.6	.9	.7
Office of Transportation	.3	.3	.3	.3	.5	.4	.4	.4	NA	NA	NA
Department of Commerce, total	233.2	259.2	265.6	276.1	301.0	312.9	312.8	311.5	321.9	345.6	415.4
Bureau of the Census	2.6	1.6	1.9	2.0	2.1	2.1	2.1	2.4	1.8	2.1	2.3
Economic Development Admin	1.6	1.6	4.8	5.1	2.0	2.3	5.0	4.2	1.0	1.2	1.4
National Institute of Standards & Technology	50.6	57.4	63.1	63.5	64.5	63.5	64.3	72.6	77.6	83.2	92.5
National Oceanic & Atmospheric Administration	168.5	188.5	188.9	197.7	224.4	237.5	234.4	225.0	234.6	252.4	315.6
National Telecommunications & Information Administration	9.9	10.1	6.9	7.7	7.9	7.6	7.0	7.3	6.9	6.8	3.6
Office of the Secretary	.0	.0	.0	-	.1	.0	-	.0	.0	.0	.0
Department of Defense, total	1,996.6	2,266.1	2,437.0	2,200.7	2,306.9	2,303.3	2,440.0	2,362.2	2,708.2	2,581.6	2,723.8
Defense Agencies	656.7	828.1	905.9	716.6	737.7	735.0	751.3	791.5	1,038.1	964.6	944.7
Department of the Air Force	491.5	488.1	524.2	547.7	538.4	542.5	563.2	576.7	604.6	579.3	621.2
Department of the Army	388.4	451.6	485.3	486.7	582.6	578.8	692.9	588.0	636.3	595.2	671.9
Department of the Navy	460.0	498.4	521.6	449.6	448.2	447.1	432.5	406.0	429.2	442.6	486.0
Department of Education	33.2	56.3	61.9	68.7	77.3	91.3	103.8	106.6	117.5	125.3	123.1
Department of Energy	827.3	1,053.9	1,193.4	1,194.5	1,198.4	1,080.7	1,029.4	1,050.6	1,020.8	1,065.7	1,587.2

See explanatory information, if any, and SOURCE at end of table.

Table C-100. Federal obligations for applied research, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Department of Health & Human Services, total	1,591.9	1,460.9	1,545.4	1,651.5	1,795.8	1,850.8	2,194.0	2,415.6	2,700.4	2,818.1	3,112.4
Agency for Healthcare Research and Quality	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.2	93.0
Alcohol, Drug Abuse, & Mental Health Administration	121.4	128.7	155.4	165.2	179.7	191.5	241.1	286.6	384.7	415.0	463.9
Centers for Disease Control & Prevention	74.8	75.0	78.2	46.3	47.6	52.2	66.2	88.7	117.8	95.6	113.4
Food & Drug Administration	71.4	73.0	74.2	77.8	82.1	79.4	85.0	91.0	99.0	99.0	125.0
Health Care Financing Admin	38.6	29.1	30.2	33.1	33.5	29.0	27.3	28.2	49.1	49.1	69.1
Health Resources Admin	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	6.1	10.2	15.4	17.3	11.2	8.0	9.0	9.3	10.7	9.5
Health Services Admin	6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	39.5	8.3	6.9	4.5	5.8	6.8	9.4	7.1	8.5	7.7	NA
National Insts of Health	1,181.5	1,103.8	1,165.2	1,285.6	1,410.1	1,469.0	1,739.1	1,885.6	2,008.5	2,074.1	2,193.5
Office of the Assistant Secretary for Health	16.3	8.2	.0	.0	.0	.0	.0	.0	.0	5.8	9.6
Office of the Secretary	18.9	13.1	14.4	10.0	9.4	6.1	8.2	4.7	7.8	5.0	8.8
Social Security Admin	18.0	15.5	10.8	13.5	10.4	5.6	9.8	14.7	15.8	11.8	10.2
Dept of Housing & Urban Dvlpmt	16.7	10.3	11.3	6.3	6.5	5.3	5.5	6.3	6.1	6.6	9.4
Dept of the Interior, total	289.2	275.0	254.7	254.3	231.0	234.9	247.3	266.0	253.0	269.8	324.1
Bonneville Power Admin	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.5	2.4	2.0	1.8	2.8	2.1	2.1	2.2	2.0	2.1	4.8
Bureau of Mines	54.4	65.2	55.9	56.7	36.7	36.6	39.6	54.1	49.3	49.3	56.2
Bureau of Reclamation	13.3	8.9	8.7	8.8	10.9	9.6	10.1	3.6	3.5	5.2	7.7
Geological Survey	115.8	99.4	89.9	125.1	130.0	127.8	131.7	135.8	126.8	134.2	159.3
Minerals Management Service	NA	.0	1.5	1.5	1.4	1.1	1.0	1.2	2.2	1.9	2.7
National Park Service	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1	27.5
Office of the Secretary	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
Office of Surface Mining Reclamation & Enforcement	5.8	1.5	1.5	.8	2.0	2.3	1.0	1.0	.7	.7	1.0
Office of Water Rsch & Tech	8.2	6.8	.8	3.2	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	73.9	79.6	80.6	42.3	32.2	38.1	43.3	48.7	49.1	56.4	64.8
Department of Justice, total	14.9	13.2	17.1	13.2	15.1	17.0	11.8	9.8	10.7	11.1	14.7
Bureau of Prisons	1.7	.9	1.3	1.2	1.1	2.7	2.2	2.1	2.1	1.8	1.9
Drug Enforcement Admin	.4	1.3	.9	.7	.5	.8	.7	.6	.5	.4	.9
Immigration & Naturalization Service	.1	.3	.3	.3	.2	.2	.2	.3	.1	.4	.4
Office of Justice Programs	12.0	10.3	14.4	11.0	13.0	13.2	8.6	6.8	8.0	8.5	11.5
Office of Legal Policy	.7	.4	.2	.0	.3	.2	.1	.0	.0	.0	.0
Department of Labor, total	54.5	10.6	12.7	11.2	9.1	8.7	19.0	26.4	21.8	21.3	24.0
Bureau of Labor Statistics	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3	7.5
Employment Standards Admin	3.2	1.4	1.4	.9	-	.0	1.0	.1	.1	.1	.0
Employment & Training Admin	45.1	2.1	2.6	1.0	.3	2.6	4.0	6.5	5.7	5.7	6.3
Labor-Management Relations & Cooperative Programs	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA	NA
Labor-Management Services Administration	1.8	.7	.9	NA	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5	2.6
Office of the Secretary	1.1	.9	1.5	1.9	1.7	1.3	1.8	5.2	2.5	3.3	4.7
Pension & Welfare Benefits Administration	NA	NA	NA	1.2	1.6	.3	1.0	2.7	1.4	2.1	2.5
Pension Benefit Guaranty Corp	.1	.3	.3	.3	.2	.1	.3	.3	.3	.3	.4
Department of State, total	1.6	1.5	1.5	1.6	1.5	1.5	.3	1.0	1.3	1.2	1.3
Departmental Funds	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-100. Federal obligations for applied research, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Dept of Transportation, total	87.4	65.7	71.7	74.2	70.2	67.6	68.6	91.2	120.5	119.2	114.6
Coast Guard	14.7	1.7	.8	7.2	5.4	3.5	3.7	5.4	4.6	5.1	6.4
Federal Aviation Admin	8.2	7.0	12.5	15.0	17.3	14.0	11.1	13.3	23.6	26.1	24.0
Federal Highway Admin	5.1	5.3	7.3	6.1	6.3	14.7	20.7	43.7	56.6	57.6	46.1
Federal Railroad Admin	6.2	3.1	2.8	12.3	11.4	12.5	10.4	8.2	7.5	8.5	13.2
Federal Transit Admin	9.3	19.4	18.3	1.0	.5	.0	.0	.0	.0	.0	.0
Maritime Administration	NA	5.6	5.7	5.1	7.0	6.2	3.1	.5	.0	.9	1.7
National Highway Traffic Safety Administration	29.4	21.3	21.4	24.7	20.9	16.1	18.9	19.1	26.2	16.9	21.4
Office of the Secretary	.7	.3	.3	.9	.9	.4	.4	.7	1.3	1.7	.6
Research & Special Programs Administration	4.9	2.1	2.6	1.8	.5	.3	.2	.4	.7	2.4	1.4
Dept of the Treasury, total	2.9	5.9	6.7	6.6	13.6	12.7	12.7	11.1	13.0	15.3	20.6
Bureau of Alcohol, Tobacco, & Firearms	.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	.9	2.8	1.4	1.4	3.1	2.7	2.7	1.1	.9	1.4	2.7
Internal Revenue Service	1.8	3.1	5.0	4.9	10.2	9.5	9.7	9.0	11.3	13.1	13.9
United States Customs Service	.1	-	.0	.1	.1	.2	.2	.7	.4	.4	.5
United States Secret Service	.0	.0	.3	.1	.2	.2	.1	.3	.4	.5	.4
Department of Veterans Affairs	112.7	110.1	132.0	156.1	193.7	155.1	173.1	178.8	197.1	199.4	177.7
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.2	2.0	2.1	2.1	2.4	2.1	1.9	1.8	1.1	1.5	1.7
Appalachian Regional Comm	.3	.3	.2	.4	.2	.2	.1	.2	.8	.4	.7
Community Services Admin	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	.2	.1	.3	1.1	1.4	1.1	.6	.1	.5	.4	.9
Environmental Protection Agcy	207.8	210.7	152.4	142.3	176.0	179.3	246.1	240.7	222.6	241.6	261.9
Fed Communications Commission	1.8	1.2	1.3	.9	1.2	.9	1.0	1.2	1.1	1.3	1.4
Federal Emergency Management Agency, total	6.4	7.8	3.3	6.1	2.9	.0	.0	.0	.0	.0	.0
Federal Trade Commission	.2	.2	.2	.2	.3	.3	.5	.4	.4	.5	1.0
General Services Admin	.4	.5	.2	.4	.3	.9	1.6	2.3	.5	.7	.0
International Development Cooperation Agency, total	86.4	127.9	152.6	164.0	158.1	180.7	151.2	132.1	216.0	300.2	351.7
Agcy for Internat'l Dvlpmt	86.4	127.9	152.6	164.0	158.1	180.7	151.2	132.1	216.0	300.2	351.7
Library of Congress	.7	.7	1.0	1.5	1.5	1.1	1.1	1.2	1.2	1.2	1.3
Nat'l Aero & Space Admin	876.0	871.4	927.8	954.7	1,032.7	1,152.3	1,255.5	1,218.9	1,461.4	1,423.8	1,665.6
Nat'l Archives & Records Administration	NA	NA	NA	NA	.1	.0	.3	.3	.1	.1	.3
National Science Foundation	58.9	57.1	62.9	70.5	83.8	78.1	99.3	99.6	107.8	103.3	109.0
Nuclear Regulatory Commission	219.7	220.3	207.3	190.7	150.0	123.8	122.5	108.5	114.8	108.8	108.8
Office of Personnel Management	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1	.0
Tennessee Valley Authority	9.4	8.1	6.7	9.2	8.9	10.5	13.8	15.3	11.7	17.0	16.9
United States Arms Control & Disarmament Agency	1.6	1.3	.8	1.2	1.1	.9	.4	.8	1.2	.2	.4
United States Information Agency	1.0	.0	-	1.4	.1	1.6	.0	.1	.0	.5	.1
United States International Trade Comm	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1	9.9

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-100a. Federal obligations for applied research, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary 2001	Preliminary 2002
Total, all agencies	12,000.7	13,491.4	13,887.7	14,557.4	13,795.7	14,423.4	15,309.3	16,083.9	18,900.7	21,131.3	21,927.6
Departments:											
Dept of Agriculture, total	665.8	635.8	716.2	703.8	670.0	700.0	730.1	744.8	803.5	925.7	806.9
Agricultural Cooperative Svc	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	4.1	4.1	4.2	4.2	4.2	4.2	4.0	4.0	4.3	4.4	4.4
Agricultural Research Svc	257.1	233.3	257.9	259.6	256.6	261.3	288.0	316.4	327.3	365.3	362.7
Cooperative State Research, Ed, & Extension Service	228.6	226.2	234.3	231.7	213.7	243.6	223.0	272.9	305.2	387.7	263.0
Economic Research Service	50.6	48.3	45.3	48.4	47.7	47.7	64.4	56.2	57.7	59.3	60.5
Food Safety Inspection Svc	.0	.0	.0	.0	.0	.0	.0	.1	1.6	.0	.0
Foreign Agricultural Svc	.0	.0	.4	.4	.4	.5	.5	.6	.6	.6	.6
Forest Service	106.9	107.8	156.5	154.8	143.0	137.4	143.0	88.7	100.4	100.8	106.2
Grain Inspection Packers & Stockyards Administration	1.5	1.8	1.8	.3	.5	.6	.5	.0	.7	1.1	1.2
Human Nutrition Info Svc	10.7	8.4	7.0	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	2.4	2.6	2.6	2.7	2.5	2.3	2.2	2.4	2.6	2.6	2.6
Office of International Cooperation & Development	.4	.4	.0	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.1	3.9	5.6
Department of Commerce, total	561.4	544.9	678.2	853.1	813.1	768.8	767.4	798.9	849.6	928.8	966.9
Bureau of the Census	2.4	2.9	2.5	2.6	1.6	2.4	4.6	3.8	2.5	.1	.0
Economic Development Admin	.5	.0	.6	.5	.6	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	115.8	136.4	167.5	333.1	318.2	293.3	266.7	266.9	268.3	251.6	247.6
National Oceanic & Atmospheric Administration	438.7	401.4	502.7	510.4	480.8	468.8	491.7	523.7	574.1	672.3	714.7
National Telecommunications & Information Administration	4.0	4.2	4.8	6.4	11.9	3.8	3.8	3.8	4.0	4.2	4.0
Office of the Secretary	.0	.0	.0	-	-	.0	.0	.0	.0	.0	.0
Department of Defense, total	2,974.5	3,515.2	3,040.0	2,950.1	2,857.6	2,786.9	2,939.1	3,102.1	3,690.2	3,807.2	3,657.0
Defense Agencies	1,162.9	1,469.2	1,381.7	1,218.6	1,211.1	1,088.2	1,258.7	1,343.9	1,482.2	1,398.1	1,677.0
Department of the Air Force	584.7	669.1	571.9	627.7	654.4	628.5	551.3	573.4	843.1	818.8	751.0
Department of the Army	727.8	802.8	639.3	633.3	475.3	531.7	635.9	667.3	765.6	909.5	661.6
Department of the Navy	499.0	574.1	447.0	470.5	516.8	538.5	493.2	517.5	599.3	680.7	567.4
Department of Education	119.5	128.3	131.2	132.8	132.1	135.0	146.7	146.6	161.5	178.7	183.9
Department of Energy	1,676.1	1,685.4	1,679.2	1,825.6	1,432.5	1,596.8	1,758.7	1,788.0	1,925.0	2,213.4	2,165.1
Department of Health & Human Services, total	2,886.8	3,495.9	3,852.5	4,014.9	4,041.3	4,376.3	4,663.1	5,082.1	7,857.7	9,167.6	10,166.5
Administration for Children & Families	34.3	18.5	10.4	11.2	12.6	17.4	23.5	24.9	27.3	27.9	28.5
Administration on Aging	2.5	2.7	3.5	3.0	.2	.2	2.4	2.4	2.8	3.7	.0
Agency for Healthcare Research and Quality[1]	97.8	105.6	141.2	124.0	116.0	134.1	138.8	171.3	186.7	253.6	287.9
Agency for Toxic Substance Disease & Registry[2]	NA	NA	NA	NA	NA	NA	NA	NA	14.7	15.4	16.1
Centers for Disease Control & Prevention	146.9	162.5	206.8	317.4	296.7	323.0	343.6	433.3	505.0	569.9	568.5
Food & Drug Administration	135.7	154.5	169.4	170.5	170.8	158.6	142.9	130.8	144.2	151.5	158.5
Health Care Financing Admin	75.5	68.2	80.0	74.5	52.7	43.6	51.2	49.7	61.5	138.3	55.3
Hlth Resources & Svcs Admin	8.8	8.5	9.8	11.2	10.1	12.1	11.9	11.6	34.5	49.8	19.7
National Insts of Health[3]	2,341.3	2,942.9	3,197.4	3,273.6	3,373.3	3,669.0	3,934.9	4,244.2	6,864.2	7,940.5	9,014.7
Office of the Assistant Secretary for Health	6.0	.0	.0	.0	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	5.0	8.0	11.7	9.1	9.0	18.4	13.9	13.9	16.7	17.0	17.3
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	9.0	18.4	13.9	13.9	16.7	17.0	17.3
Social Security Admin	33.0	24.5	22.2	20.4	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-100a. Federal obligations for applied research, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Dept of Housing & Urban Dvlpmt	8.8	8.1	13.7	14.2	11.2	11.3	9.2	19.1	15.5	18.9	15.3
Dept of the Interior, total	339.7	349.8	566.9	477.3	486.0	496.2	454.1	550.9	496.6	533.2	478.9
Bureau of Land Management	5.3	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	59.2	60.4	70.0	.0	NA	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	10.7	7.4	5.5	6.0	4.9	5.4	6.6	7.7	7.4	7.6	6.3
Geological Survey	164.3	165.9	311.9	306.2	439.5	444.8	389.0	491.5	425.8	462.0	408.1
Minerals Management Service	3.8	5.8	20.6	20.0	21.9	20.6	29.3	28.8	29.2	29.4	29.4
Nat'l Biological Svc	NA	NA	135.4	125.8	NA	NA	NA	NA	NA	NA	NA
National Park Service	31.1	37.5	23.6	19.2	19.7	25.5	29.2	22.9	34.2	34.2	35.1
Office of the Secretary	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
United States Fish & Wildlife Service	64.8	64.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	15.0	20.5	20.0	17.7	19.5	20.1	26.0	36.2	27.8	43.3	20.5
Bureau of Prisons	2.5	2.5	2.1	3.2	3.1	1.9	4.3	7.4	3.4	3.3	3.4
Drug Enforcement Admin	.1	-	.1	.0	-	-	.0	.0	.0	.0	.0
Immigration & Naturalization Service	.4	.4	.4	.4	.2	.4	.0	.0	.0	.0	.0
Office of Justice Programs	12.0	17.6	17.4	14.1	16.1	17.8	21.7	28.8	24.4	40.0	17.1
Department of Labor, total	23.6	13.4	13.7	16.6	15.2	10.4	11.0	16.6	35.1	36.9	38.3
Bureau of Labor Statistics	7.6	1.5	1.5	1.5	1.8	1.3	1.3	1.3	1.3	1.3	1.3
Employment & Training Admin	5.4	3.3	2.9	4.2	2.6	1.5	2.2	8.8	25.0	26.2	27.6
Occupational Safety & Health Administration	3.1	2.5	3.3	4.4	6.6	5.5	4.6	3.8	5.8	5.5	5.7
Office of the Secretary	4.1	2.9	3.1	2.9	1.8	.1	.1	.2	.3	.2	.2
Pension & Welfare Benefits Administration	2.6	2.6	2.7	3.6	2.3	2.0	2.7	2.5	2.7	3.5	3.5
Pension Benefit Guaranty Corp	.8	.7	.3	.1	.1	.1	.1	.1	.1	.1	.1
Department of State[4]	.7	.5	.4	.5	.9	1.0	.9	1.5	1.5	1.6	1.6
Dept of Transportation, total	155.7	224.4	270.4	323.9	336.7	343.7	366.1	416.0	328.2	383.8	387.6
Coast Guard	5.0	8.2	5.6	4.9	5.0	5.7	5.1	5.1	5.0	5.9	5.7
Federal Aviation Admin	30.1	59.8	79.5	83.3	130.6	159.4	151.6	142.3	164.4	200.1	187.8
Federal Highway Admin	72.0	90.1	131.2	156.3	135.4	111.6	134.6	187.2	76.7	78.2	93.0
Federal Motor Carrier Safety Administration[5]	NA	NA	NA	NA	NA	NA	NA	NA	2.8	8.0	9.9
Federal Railroad Admin	18.9	20.9	16.1	22.5	21.3	18.2	21.2	20.3	24.2	24.9	26.7
Federal Transit Admin	.0	10.9	7.8	10.9	5.6	6.0	7.4	4.8	.0	2.5	.0
Maritime Administration	1.8	1.7	1.7	2.5	.0	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	25.8	31.6	25.3	39.7	33.2	36.4	41.6	50.4	50.6	58.3	59.0
Office of the Secretary	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Administration	1.4	.5	2.6	3.2	5.6	6.3	4.6	6.0	4.5	5.8	5.5
Dept of the Treasury, total	17.2	4.6	9.2	48.9	50.4	50.8	52.5	50.7	51.2	64.4	67.3
Bureau of Engraving & Printing	1.8	3.2	1.6	1.3	1.5	1.6	2.6	2.0	2.6	3.2	3.2
Internal Revenue Service	13.9	.0	6.1	45.8	47.5	47.9	47.9	48.0	47.4	58.8	61.7
Office of Thrift Supervision	.8	.7	.5	.6	.5	.6	.7	.1	.1	.2	.2
United States Customs Service	.2	.1	.5	.7	.5	.4	.8	.0	.0	1.2	1.0
United States Secret Service	.5	.6	.5	.5	.5	.4	.5	.5	1.0	.9	1.1
Department of Veterans Affairs	185.2	194.1	209.1	206.4	222.8	217.4	149.1	183.8	185.4	189.9	195.3

See explanatory information, if any, and SOURCE at end of table.

Table C-100a. Federal obligations for applied research, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.7	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.7	.8
Broadcasting Board of Governors[6]	NA	NA	NA	NA	NA	NA	NA	NA	.1	-	.1
Consumer Product Safety Comm	.8	.8	.1	.0	.0	.1	.0	.0	.0	.0	.0
Environmental Protection Agcy[2]	293.9	272.4	301.0	331.3	329.1	358.0	419.8	400.0	352.1	369.5	344.6
Fed Communications Commission	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	2.8	2.0	1.3
Federal Trade Commission	1.3	.9	.7	.6	.5	.7	1.1	1.3	.7	1.3	1.5
International Development Cooperation Agency, total	294.2	350.8	214.4	270.4	203.0	176.5	171.1	163.7	189.2	200.2	200.9
Agcy for International Development[7]	294.2	350.8	214.4	270.4	203.0	176.5	171.1	163.7	189.2	200.2	200.9
Library of Congress	1.4	1.4	1.5	1.6	1.6	.5	.5	.5	.6	1.7	1.0
Nat'l Aero & Space Admin[8]	1,491.1	1,748.6	1,876.7	2,067.9	1,897.1	2,090.1	2,389.9	2,317.0	1,658.5	1,754.7	1,872.9
Nat'l Archives & Records Admin	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	126.9	138.1	169.7	176.0	181.0	191.8	170.7	146.5	185.5	219.5	218.0
Nuclear Regulatory Commission	119.0	119.8	90.7	88.2	70.9	62.1	51.7	49.0	53.0	50.0	55.0
Social Security Admin	NA	NA	NA	NA	11.5	13.6	17.4	53.3	28.7	38.5	80.4
Tennessee Valley Authority	22.2	18.1	17.0	17.4	3.9	4.0	.8	.0	.0	.0	.0
United States Arms Control & Disarmament Agency[4]	2.1	1.5	1.3	1.1	.7	1.2	1.2	.0	.0	.0	.0
United States Information Agency[9]	.0	1.1	.6	.3	.1	.2	.3	.1	NA	NA	NA
United States International Trade Commission[10]	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	.0	.0	.0

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

3 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

4 Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

5 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

6 The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.

7 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

8 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

9 On October 1, 1999, the United States Information Agency was integrated into the U.S. Department of State.

10 In 2000, the United States International Trade Commission no longer classified any of its activities as research and development.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-101. Federal obligations for development, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all agencies	20,891.1	23,410.4	24,458.0	27,246.1	32,226.1	34,910.2	37,313.2	38,119.3	40,641.0	41,937.1	37,326.8
Departments:											
Dept of Agriculture, total	33.0	30.8	30.0	31.3	32.0	32.1	29.0	31.4	36.1	47.1	61.2
Agricultural Marketing Svc	.2	.2	.3	.3	.3	.3	.3	.3	.3	.4	.5
Agricultural Research Svc	26.2	25.8	25.5	27.0	27.7	27.4	24.0	26.3	31.4	33.3	40.2
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	15.7
Forest Service	6.2	4.5	3.8	3.3	3.3	3.6	3.8	4.0	3.9	4.8	4.5
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.2	.3	.5	.4	.3	.4	.1
Office of International Cooperation & Development	.3	.2	.4	.7	.4	.3	.3	.2	.1	.2	.2
Office of Transportation	.1	.1	.1	.1	.2	.1	.1	.1	NA	NA	NA
Department of Commerce, total	78.6	60.2	50.2	61.5	74.6	59.7	63.7	46.6	46.9	61.2	39.9
Bureau of the Census	.9	1.9	2.1	2.1	2.4	2.1	1.9	1.9	2.0	2.0	1.9
Economic Development Admin	26.3	8.0	.0	.0	11.0	8.0	.0	.0	.0	.0	.0
National Institute of Standards & Technology	16.3	14.9	13.6	11.8	14.0	11.6	9.3	9.1	10.0	10.5	15.6
National Oceanic & Atmospheric Administration	32.9	33.5	33.1	46.6	45.4	37.2	51.7	34.8	34.1	47.7	22.4
National Telecommunications & Information Administration	1.1	1.2	1.4	.9	1.2	.8	.8	.8	.9	.9	.0
Office of the Secretary	.0	.0	-	.1	.6	.0	.0	.0	.0	.0	.0
Patent & Trademark Office	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	13,907.7	17,669.8	19,770.1	22,324.3	26,623.2	29,710.7	31,884.0	32,009.7	33,920.8	33,738.9	28,416.9
Defense Agencies	499.1	717.1	1,038.7	557.3	1,964.8	3,910.7	4,353.5	4,868.4	5,616.8	5,780.2	5,919.4
Department of the Air Force	6,351.9	8,724.0	10,124.2	11,351.5	12,524.3	12,834.8	14,562.9	14,094.2	14,430.0	14,055.1	10,107.1
Department of the Army	2,707.7	3,121.3	3,304.5	3,516.8	3,747.4	3,982.1	4,109.6	4,052.3	4,835.9	4,903.8	5,221.0
Department of the Navy	4,308.0	5,066.4	5,241.2	6,840.2	8,336.1	8,865.9	8,721.1	8,766.2	8,882.9	8,778.6	6,932.0
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	.0	8.4	68.2	14.4	32.6	13.6
Test & Evaluation, Deputy Under Secretary of Defense	41.1	41.0	61.6	58.6	50.6	117.1	128.5	160.3	140.7	188.7	223.7
Department of Education	51.1	57.5	35.6	34.8	33.0	25.5	25.6	29.7	37.2	39.7	39.4
Department of Energy	3,504.6	3,012.1	2,575.6	2,648.7	2,825.0	2,648.0	2,659.4	2,801.0	2,760.9	3,060.1	2,709.5

See explanatory information, if any, and SOURCE at end of table.

Table C-101. Federal obligations for development, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Department of Health & Human Services, total	434.9	335.2	331.7	364.7	422.7	468.0	584.3	661.1	814.4	938.5	1,593.5
Agency for Healthcare Research and Quality	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5	8.1
Alcohol, Drug Abuse, & Mental Health Administration	1.8	2.1	1.8	1.2	1.1	1.2	2.2	2.4	3.0	41.5	537.6
Hlth Resources & Svcs Admin	NA	NA	2.3	2.3	1.5	.0	.0	.0	.0	.0	.0
Health Services Admin	10.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	33.8	18.5	16.6	13.8	18.5	47.8	43.6	46.8	93.2	87.7	NA
National Insts of Health	384.9	308.7	311.0	347.0	399.6	417.5	536.2	610.2	716.5	800.7	912.5
Office of the Assistant Secretary for Health	4.3	2.2	.0	.0	1.7	1.5	2.3	1.6	1.7	1.1	.4
Office of the Secretary	.0	.3	.0	.4	.2	.0	.0	.0	.0	.0	.0
Social Security Admin	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	1.7
Dept of Housing & Urban Dvlpmt	31.4	18.5	20.8	11.9	12.0	10.1	10.8	12.1	11.9	12.7	18.4
Dept of the Interior, total	57.3	29.6	24.8	30.7	22.4	17.3	21.7	24.3	27.1	33.3	39.5
Bonneville Power Admin	7.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	.4	2.9	1.9	2.0	1.6	1.3	1.6	1.5	1.0	.7	2.8
Bureau of Mines	28.7	13.6	9.2	11.6	3.3	2.8	3.6	5.2	5.4	9.4	7.1
Bureau of Reclamation	.9	1.1	1.2	1.4	2.0	.5	.5	.7	.6	.5	.9
Geological Survey	.5	.5	2.3	4.9	4.4	7.4	10.3	10.9	12.9	15.1	18.2
Office of the Secretary	.0	.0	.0	.0	.0	.0	.0	.3	.4	.2	.5
Office of Water Rsch & Tech	5.3	1.3	1.0	.0	NA	NA	NA	NA	NA	NA	NA
United States Fish & Wildlife Service	13.7	10.3	9.2	10.8	11.1	5.3	5.7	5.7	6.7	7.4	10.0
Department of Justice, total	7.0	10.4	10.7	6.6	16.7	14.1	22.5	25.7	20.6	20.6	27.8
Bureau of Prisons	.9	.7	.4	.4	.4	.3	4.9	3.9	3.0	2.7	3.3
Drug Enforcement Admin	.9	1.9	1.6	1.2	1.1	1.7	1.5	1.9	2.2	2.0	1.8
Fed Bureau of Investigation	.7	2.7	2.5	1.0	9.5	7.2	8.0	12.7	7.7	8.2	10.8
Immigration & Naturalization Service	.1	.4	.3	.3	.2	.2	.2	.0	.0	.0	.0
Office of Justice Programs	4.4	4.6	5.8	3.8	5.5	4.7	7.9	7.1	7.8	7.7	11.9
Office of Legal Policy	.1	-	.1	.0	.0	.0	.0	.0	.0	.0	.0
Department of Labor, total	4.0	8.3	1.9	.0	.9	.9	1.2	8.9	13.3	51.4	19.7
Employment & Training Admin	3.6	7.4	1.1	.0	.0	.0	.3	8.0	9.7	47.4	15.5
Office of the Secretary	.0	.0	.0	.0	.9	.9	.9	.9	3.6	3.8	4.0
Pension Benefit Guaranty Corp	.4	.8	.8	.0	.0	.0	.0	.0	.0	.2	.2
Department of State, total	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Departmental Funds	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-101. Federal obligations for development, by agency: fiscal years 1981-91

[Dollars in millions]

Selected agency	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Dept of Transportation, total	327.0	243.4	275.1	370.6	357.6	317.3	256.2	213.4	182.9	247.4	265.3
Coast Guard	11.3	18.3	18.4	12.2	13.6	13.4	13.3	15.7	13.3	15.2	19.2
Federal Aviation Admin	111.8	87.3	113.7	251.2	269.0	246.6	156.2	147.3	123.2	189.9	196.2
Federal Highway Admin	46.1	35.0	43.1	40.3	42.6	30.8	56.0	30.4	34.4	33.8	40.8
Federal Railroad Admin	30.4	15.1	13.7	6.9	3.6	2.9	.8	1.8	1.5	1.7	2.7
Federal Transit Admin	68.9	42.0	38.6	19.1	9.7	8.2	12.6	2.3	1.4	1.6	1.7
Maritime Administration	4.7	4.5	8.8	1.3	5.9	2.6	2.5	.0	.0	.0	.0
National Highway Traffic Safety Administration	36.5	34.1	30.6	32.2	7.2	6.3	9.0	9.2	3.5	.0	.0
Office of the Secretary	9.4	3.0	4.6	4.0	3.9	4.7	4.1	5.0	4.2	5.1	3.7
Research & Special Programs Administration	7.9	4.0	3.6	3.5	2.2	1.7	1.8	1.7	1.3	.0	1.0
Dept of the Treasury, total	6.1	5.2	5.4	3.3	6.0	6.3	9.5	10.2	9.3	6.9	6.7
Bureau of Alcohol, Tobacco, & Firearms	.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	1.8	2.0	1.9	1.3	1.6	1.1	1.7	.8	.3	.7	.8
Financial Crimes Enforcement Network	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
Internal Revenue Service	-	.1	.1	.2	1.3	.2	.4	.7	.3	.3	.4
United States Customs Service	3.4	3.1	3.3	1.7	2.1	4.6	6.8	8.5	6.4	5.8	3.2
United States Mint	.0	.0	.0	.0	.6	.3	.2	.1	2.0	.1	.1
United States Secret Service	.6	.0	-	.1	.5	-	.3	.0	.2	.0	.0
Department of Veterans Affairs	16.7	14.3	15.3	18.4	17.5	16.3	19.2	19.2	21.0	22.1	22.8
Other agencies:											
Appalachian Regional Comm	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
Community Services Admin	16.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	.3	.1	.2	.2	1.0	.9	1.6	.9	.8	.7	.4
Environmental Protection Agcy	107.4	91.7	66.1	89.2	105.8	99.5	71.0	79.5	107.0	104.5	79.5
Federal Emergency Management Agency, total	2.5	.0	.0	5.4	1.2	.0	.0	.0	.0	.0	.0
General Services Admin	.2	.5	.3	2.0	.0	.3	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	47.8	72.0	70.6	70.3	60.5	66.2	63.5	69.3	60.0	29.3	20.4
Agcy for Internat'l Dvlpmt	47.8	72.0	70.6	70.3	60.5	66.2	63.5	69.3	60.0	29.3	20.4
Library of Congress	4.0	4.9	6.0	5.4	5.0	5.0	5.0	5.5	6.4	7.0	7.3
Nat'l Aero & Space Admin	2,186.0	1,670.7	1,116.8	1,112.7	1,543.6	1,350.8	1,517.8	1,998.8	2,514.7	3,472.6	3,909.1
Nat'l Archives & Records Administration	NA	NA	NA	NA	.3	1.0	.4	.2	.1	.1	.1
National Science Foundation	6.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Personnel Management	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Tennessee Valley Authority	54.7	72.3	50.7	53.8	65.1	59.8	60.2	68.8	48.0	43.2	49.5
United States Arms Control & Disarmament Agency	.8	.6	.1	.2	.0	.1	3.2	2.6	1.6	.0	.0
United States Information Agency	.3	.1	.0	.0	.0	.4	3.5	.3	.1	.0	.0

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-101a. Federal obligations for development, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all agencies	41,102.0	40,423.5	39,824.2	39,752.4	39,393.3	40,461.5	41,178.5	41,813.1	34,392.7	37,062.1	35,318.5
Departments:											
Dept of Agriculture, total	66.1	76.1	77.4	81.4	80.3	98.5	107.1	126.1	135.4	147.4	150.2
Agricultural Marketing Svc	.6	.6	.6	.6	.6	.6	.7	.7	.8	.8	.8
Agricultural Research Svc	43.9	52.8	54.3	54.7	54.0	61.9	68.2	77.0	79.6	88.9	88.2
Animal & Plant Health Inspection Service	16.7	17.1	19.2	19.1	18.0	19.8	20.5	20.4	20.6	22.0	23.4
Food Safety Inspection Svc	.0	.0	.0	.0	-	-	.1	.4	.3	.0	.0
Foreign Agricultural Svc	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Forest Service	4.9	5.5	3.3	5.8	5.6	13.9	15.5	27.6	31.2	31.4	33.0
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	1.2	2.0	2.2	2.2	.0	2.9	4.4	4.8
Department of Commerce, total	55.3	74.2	107.8	243.7	216.9	195.1	141.6	142.2	140.7	135.7	91.3
Bureau of the Census	2.0	2.1	2.0	1.9	3.8	1.7	3.4	9.1	8.7	.2	.0
National Institute of Standards & Technology	29.6	34.3	45.9	191.2	161.6	128.9	89.0	93.3	95.6	65.1	47.0
National Oceanic & Atmospheric Administration	23.7	37.8	59.9	50.6	47.7	40.5	27.4	18.4	18.7	24.3	28.8
National Telecommunications & Information Administration	.0	.0	.0	.0	3.8	24.0	21.8	21.4	17.7	46.1	15.5
Department of Defense, total	32,056.1	31,065.7	30,312.6	29,597.9	30,539.9	30,978.4	31,316.3	31,503.6	28,246.7	30,610.7	29,215.0
Department of the Air Force	12,636.6	11,747.5	11,713.1	10,963.4	12,159.8	13,135.0	13,102.2	13,257.6	9,958.5	9,673.0	9,141.1
Department of the Army	5,921.5	5,190.5	4,721.5	4,567.2	4,203.2	4,111.1	4,219.9	4,190.5	4,352.8	5,338.5	5,393.7
Department of the Navy	7,138.0	8,106.8	8,081.9	8,083.3	7,712.9	7,329.8	7,334.1	7,953.5	8,354.0	8,630.9	8,737.3
Operational Test & Evaluation, Director	12.4	12.3	11.2	21.7	21.9	26.6	30.3	44.7	32.9	189.3	201.0
Test & Evaluation, Deputy Under Secretary of Defense	233.2	242.5	231.8	231.0	257.7	269.7	242.0	257.3	257.0	21.8	.0
Department of Education	41.5	44.1	39.9	39.3	38.2	43.2	55.7	75.1	83.8	92.0	82.4
Department of Energy	2,759.7	2,821.9	2,765.5	2,685.0	1,982.8	2,035.8	2,086.3	2,089.9	1,962.2	2,129.6	1,817.5
Department of Health & Human Services, total	1,042.3	1,156.6	1,285.1	1,379.3	1,405.2	1,557.2	1,883.2	2,200.1	512.8	654.0	680.4
Administration for Children & Families	4.8	1.4	.9	.8	.0	.0	.0	.0	.0	.0	.0
Administration on Aging	17.8	18.2	15.6	17.7	3.5	4.3	8.0	16.1	.0	.0	.0
Agency for Healthcare Research and Quality[1]	8.5	9.2	12.4	11.3	9.2	9.9	7.7	10.9	11.9	16.2	18.4
Hlth Resources & Svcs Admin	.0	.0	5.8	1.0	.0	.0	.0	.0	.0	.0	.0
National Insts of Health[2]	1,010.5	1,126.6	1,249.6	1,348.2	1,374.1	1,473.3	1,591.0	1,879.9	.0	.0	.0
Office of the Assistant Secretary for Health	.7	1.2	.8	.3	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	.0	.0	.0	.0	1.7	.6	3.1	3.8	3.1	3.2	3.3
Office of Public Health & Science	NA	NA	NA	NA	1.7	.6	3.1	3.8	3.1	3.2	3.3
Substance Abuse & Mental Health Services Admin[3]	NA	NA	NA	NA	16.7	69.1	273.4	289.3	497.8	634.6	658.7

See explanatory information, if any, and SOURCE at end of table.

Table C-101a. Federal obligations for development, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Dept of Housing & Urban Dvlpmt	16.3	15.5	25.9	27.7	22.0	22.2	18.8	37.9	30.1	35.0	28.8
Dept of the Interior, total	38.6	39.0	43.9	29.2	25.5	27.2	29.1	31.5	31.4	34.1	31.7
Bureau of Land Management	.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	4.2	6.9	12.5	.0	NA	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	2.5	2.8	1.8	2.0	1.6	1.7	2.2	2.6	2.5	2.5	2.1
Geological Survey	16.9	12.8	15.7	14.1	23.8	25.5	26.9	28.9	29.0	31.6	29.6
Nat'l Biological Svc	NA	.0	13.8	13.0	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	.7	.2	.1	-	.0	.0	.0	.0	.0	.0	.0
United States Fish & Wildlife Service	13.9	15.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	27.7	23.3	19.2	32.1	45.2	52.3	58.6	64.6	30.9	35.9	37.3
Bureau of Prisons	3.4	3.6	3.3	2.5	2.2	2.7	3.8	3.5	4.3	4.4	4.6
Drug Enforcement Admin	1.3	.8	.8	.4	1.2	-	.0	.0	.0	.0	.0
Fed Bureau of Investigation	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	10.0	9.2	13.2
Immigration & Naturalization Service	.0	.0	.0	.0	.0	.0	.0	.2	.6	.6	.6
Office of Justice Programs	12.1	7.5	8.1	18.3	8.5	14.0	19.0	24.5	16.1	21.7	18.9
Department of Labor, total	27.9	36.1	40.1	25.5	25.8	13.3	5.7	26.4	37.5	39.3	41.3
Employment & Training Admin	26.1	32.5	36.9	21.4	24.3	12.6	5.0	25.0	35.9	37.7	39.7
Office of the Secretary	1.7	3.0	2.2	3.4	.8	.1	.1	.8	1.0	.9	.9
Pension Benefit Guaranty Corp	.1	.6	1.0	.7	.6	.6	.6	.6	.7	.7	.7
Dept of Transportation, total	288.1	319.3	347.4	356.2	177.3	145.7	165.1	190.3	123.0	195.4	164.2
Coast Guard	15.0	24.7	16.7	14.8	15.0	17.2	15.3	15.2	15.0	17.7	17.0
Federal Aviation Admin	206.1	189.1	206.1	205.1	77.7	49.7	76.4	63.0	54.6	96.6	71.5
Federal Highway Admin	57.0	83.1	101.5	109.4	66.1	61.1	57.7	85.4	33.9	43.9	51.7
Federal Motor Carrier Safety Administration[4]	NA	NA	NA	NA	NA	NA	NA	NA	1.1	3.4	4.2
Federal Railroad Admin	3.9	4.3	3.4	4.0	5.4	.7	.3	.6	3.1	5.5	3.2
Federal Transit Admin	1.7	13.3	12.1	17.9	8.1	11.1	10.2	15.7	8.9	10.1	7.1
Office of the Secretary	3.4	3.9	4.9	3.3	2.8	3.5	3.4	9.1	4.0	12.9	5.2
Research & Special Programs Administration	1.1	.8	2.7	1.8	2.1	2.4	1.7	1.3	2.3	5.2	4.4
Dept of the Treasury, total	3.8	5.5	9.8	12.4	9.5	8.8	12.5	14.0	10.3	10.0	12.0
Bureau of Engraving & Printing	.2	.0	.1	.5	.1	.1	.1	.1	.2	.3	.3
Financial Crimes Enforcement Network	1.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	.4	.0	5.2	3.9	3.7	3.0	4.1	7.8	7.0	6.8	7.2
United States Customs Service	2.0	3.9	4.0	7.7	5.7	5.8	8.3	5.3	1.8	2.0	3.9
United States Mint	.0	.1	.5	.3	.0	-	.1	.8	1.3	.9	.6
Department of Veterans Affairs	23.0	28.7	24.5	19.1	20.8	21.7	8.0	6.8	7.0	7.0	7.2

See explanatory information, if any, and SOURCE at end of table.

Table C-101a. Federal obligations for development, by agency: fiscal years 1992-2002

[Dollars in millions]

Selected agency	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Other agencies:											
Consumer Product Safety Comm	.3	.4	.2	.4	-	.0	.0	.0	.0	.0	.0
Environmental Protection Agcy[5]	79.6	133.7	151.2	149.9	83.5	83.1	94.0	95.8	91.5	99.9	92.9
International Development Cooperation Agency, total	65.9	23.0	38.1	29.8	18.0	29.7	39.1	39.3	29.5	26.1	26.3
Agcy for International Development[6]	65.9	23.0	38.1	29.8	18.0	29.7	39.1	39.3	29.5	26.1	26.3
Library of Congress	8.5	8.7	8.1	8.0	8.4	1.9	1.1	1.8	1.9	1.1	1.6
Nat'l Aero & Space Admin[7]	4,428.3	4,471.1	4,455.7	4,968.9	4,692.1	5,142.4	5,154.4	5,167.8	2,917.9	2,808.9	2,838.4
Nat'l Archives & Records Admin	.1	-	.0	.0	.0	.0	.0	.0	.0	.0	.0
Tennessee Valley Authority	72.9	80.6	71.9	66.7	1.9	4.9	1.8	.0	.0	.0	.0

1 The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

2 Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

3 Data for fiscal years 2000-2002 from the Substance Abuse and Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

4 The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 (December 9, 1999)).

5 Prior to fiscal year 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.

6 Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.

7 Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies and sub-divisions that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-102. Federal obligations for research and development, by performer: fiscal years 1981-2002

[Dollars in millions]

Fiscal years	Total	Intra-mural [1]	Indus-trial firms excluding FFRDCs	FFRDCs admin by indus-trial firms	Univer-sities & colleges excluding FFRDCs	FFRDCs admin by univs and col-leges	Nonprofit insti-tutions excluding FFRDCs	FFRDCs admin by nonprofit insti-tutions	State and local govts	Foreign
1981	33,103.9	8,425.7	14,867.9	1,413.9	4,465.8	1,791.0	1,068.8	525.2	222.2	323.4
1982	36,432.6	9,141.0	17,192.2	1,506.4	4,605.5	1,976.7	1,091.7	520.6	184.3	214.3
1983	38,711.5	10,581.9	17,019.7	1,501.2	4,966.4	2,393.9	1,241.6	581.3	186.0	239.5
1984	42,224.9	11,572.3	18,610.4	1,608.4	5,546.9	2,485.8	1,497.3	597.1	130.9	175.8
1985	48,359.6	12,945.4	21,704.9	1,790.8	6,339.7	2,816.4	1,699.2	689.2	129.4	244.5
1986	51,412.4	13,534.9	24,201.2	1,697.0	6,558.8	2,767.7	1,677.0	551.2	128.4	296.3
1987	55,253.7	13,413.1	26,768.2	1,860.0	7,337.3	3,209.6	1,711.4	510.6	148.2	295.3
1988	56,769.4	14,114.6	26,719.2	1,911.3	7,827.7	3,473.9	1,683.2	505.6	142.1	391.8
1989	61,406.5	15,024.6	28,547.9	2,056.3	8,672.0	3,497.1	1,999.9	522.0	167.4	919.4
1990	63,559.5	15,848.9	29,370.0	2,326.8	9,137.5	3,449.8	2,248.2	621.6	213.9	342.6
1991	61,295.2	15,138.2	26,420.6	2,168.3	10,168.5	3,603.8	2,637.4	679.4	215.1	263.9
1992	65,592.6	15,582.8	29,744.8	2,117.0	10,271.2	3,855.5	2,803.6	745.6	184.1	287.9
1993	67,314.0	16,663.3	30,219.0	1,451.3	11,208.4	3,614.2	2,811.9	753.4	320.3	272.2
1994	67,235.4	16,132.1	30,454.9	1,293.5	11,796.9	3,292.9	2,936.9	736.0	325.4	266.8
1995	68,186.8	17,024.8	30,236.1	1,201.8	11,927.5	3,561.6	2,834.1	825.1	316.5	259.2
1996	67,653.0	16,540.4	30,373.8	1,137.0	11,977.8	3,447.1	2,886.8	755.2	246.7	288.3
1997	69,826.8	16,718.2	31,419.3	1,128.2	12,559.0	3,701.0	2,961.6	821.0	261.1	257.5
1998	72,100.7	17,121.5	31,998.6	1,188.9	13,380.7	3,890.2	3,171.3	603.0	447.5	299.1
1999	75,340.6	18,084.7	31,901.7	1,328.0	14,959.1	3,896.4	3,608.7	913.2	357.5	291.4
2000	72,863.2	17,149.8	27,735.6	1,100.9	16,815.1	4,053.2	4,216.6	1,231.5	224.0	336.7
2001 (Preliminary)	80,898.1	18,719.5	30,323.3	1,446.2	19,614.9	4,367.8	4,818.3	1,117.2	256.6	234.3
2002 (Preliminary)	80,645.5	18,285.2	29,815.0	1,397.4	20,198.9	4,213.8	5,090.9	1,118.9	269.3	256.1

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-103. Federal obligations for research, by performer: fiscal years 1981-2002

[Dollars in millions]

Fiscal years	Total	Intra-mural [1]	Indus-trial firms excluding FFRDCs	FFRDCs admin by indus-trial firms	Univer-sities & colleges excluding FFRDCs	FFRDCs admin by univs and col-leges	Nonprofit insti-tutions excluding FFRDCs	FFRDCs admin by nonprofit insti-tutions	State and local govts	Foreign
1981	12,212.8	4,034.2	1,958.3	351.3	3,920.1	940.6	705.2	67.7	129.3	106.0
1982	13,022.2	4,194.2	2,156.6	487.3	4,045.4	1,056.7	743.5	104.2	125.9	108.3
1983	14,253.5	4,710.3	2,114.2	522.6	4,467.9	1,250.1	836.9	85.2	136.7	129.6
1984	14,978.8	4,764.7	2,137.4	496.5	5,029.7	1,335.9	922.6	87.3	88.2	116.5
1985	16,133.4	5,056.1	2,074.4	485.9	5,726.3	1,421.3	1,045.1	97.0	89.5	137.9
1986	16,502.2	5,160.3	2,280.5	482.1	5,883.4	1,291.7	1,062.9	87.9	91.0	162.4
1987	17,940.5	5,437.7	2,448.6	433.5	6,640.2	1,471.0	1,207.5	89.8	90.2	121.9
1988	18,650.1	5,338.4	2,642.5	455.2	7,022.9	1,564.8	1,300.0	82.9	103.1	140.4
1989	20,765.5	5,897.0	2,875.0	604.3	7,793.1	1,703.4	1,519.8	109.5	121.2	142.1
1990	21,622.4	5,809.8	3,191.6	614.3	8,136.5	1,791.5	1,660.0	137.6	126.4	154.5
1991	23,968.4	6,454.4	3,406.5	709.6	8,867.5	2,160.9	1,925.9	170.9	129.3	143.4
1992	24,490.6	6,523.3	3,451.2	684.9	9,060.7	2,351.8	2,049.6	139.9	109.3	120.0
1993	26,890.5	7,451.8	3,923.8	799.3	9,892.3	2,299.4	2,041.3	173.4	211.8	97.4
1994	27,411.2	7,481.1	4,063.9	737.2	10,291.7	2,181.1	2,102.1	178.4	230.8	144.8
1995	28,434.4	7,684.5	4,698.7	811.6	10,353.8	2,233.6	2,078.7	207.2	221.4	144.8
1996	28,259.8	7,513.2	4,269.1	696.2	10,706.6	2,385.0	2,178.9	195.5	187.4	127.8
1997	29,365.3	7,666.9	4,392.1	759.6	11,173.2	2,598.9	2,294.9	217.5	144.0	118.2
1998	30,922.3	7,969.1	4,632.7	844.1	11,739.0	2,743.0	2,425.2	214.5	240.1	114.5
1999	33,527.5	8,685.8	4,579.8	879.3	13,203.8	2,554.1	2,806.7	469.5	232.4	116.1
2000	38,470.6	9,449.6	4,801.2	700.3	16,015.9	2,773.2	3,719.8	696.1	162.5	152.0
2001 (Preliminary)	43,836.0	10,433.2	5,454.5	887.5	18,773.4	3,040.4	4,255.9	658.1	184.1	148.9
2002 (Preliminary)	45,326.9	10,701.1	5,706.9	889.3	19,495.4	2,940.3	4,586.1	655.2	203.3	149.3

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-104. Federal obligations for basic research, by performer: fiscal years 1981-2002

[Dollars in millions]

Fiscal years	Total	Intra-mural [1]	Indus-trial firms excluding FFRDCs	FFRDCs admin by indus-trial firms	Univer-sities & colleges excluding FFRDCs	FFRDCs admin by univs and col-leges	Nonprofit insti-tutions excluding FFRDCs	FFRDCs admin by nonprofit insti-tutions	State and local govts	Foreign
1981	5,041.3	1,301.8	292.9	73.3	2,503.2	490.6	313.1	8.6	26.5	31.2
1982	5,481.6	1,465.5	270.9	87.4	2,727.1	516.7	355.6	9.0	24.5	24.9
1983	6,260.1	1,689.8	292.9	83.0	3,112.3	604.0	409.6	8.0	32.1	28.5
1984	7,067.4	1,861.1	377.9	91.1	3,530.8	668.9	473.6	8.2	28.1	27.7
1985	7,818.7	1,923.4	380.1	122.6	4,038.7	724.2	555.8	12.4	30.5	30.9
1986	8,153.1	2,018.9	511.6	117.6	4,132.1	724.1	572.1	13.0	30.9	32.7
1987	8,942.4	2,046.2	467.0	119.9	4,665.6	906.7	657.7	13.3	37.5	28.5
1988	9,473.6	2,050.3	596.9	133.0	4,868.3	989.8	728.6	17.7	42.7	46.3
1989	10,602.0	2,313.4	773.2	223.9	5,221.4	1,098.1	838.9	42.2	43.6	47.4
1990	11,285.6	2,294.6	887.5	246.8	5,548.2	1,227.3	924.1	59.2	50.4	47.6
1991	12,170.8	2,391.6	949.9	264.0	6,064.5	1,306.2	1,015.5	80.8	49.1	49.1
1992	12,489.9	2,337.6	920.3	247.2	6,331.8	1,394.1	1,097.2	65.5	42.4	53.8
1993	13,399.1	2,661.8	896.3	243.6	6,833.7	1,402.7	1,164.9	71.3	71.7	53.3
1994	13,523.5	2,497.8	1,109.6	237.6	6,992.3	1,336.0	1,132.9	74.4	75.2	67.6
1995	13,877.0	2,693.5	1,214.2	239.8	6,943.9	1,438.8	1,148.3	75.2	78.7	44.6
1996	14,464.0	2,676.7	1,108.8	272.8	7,443.5	1,521.0	1,234.6	76.1	80.2	50.5
1997	14,941.9	2,688.3	1,166.7	294.7	7,695.8	1,600.0	1,289.6	88.4	68.4	49.9
1998	15,613.0	2,918.5	1,119.4	326.4	7,951.7	1,642.3	1,397.6	121.8	84.9	50.4
1999	17,443.7	3,255.2	1,082.8	313.4	9,107.1	1,565.5	1,650.0	354.9	61.4	53.4
2000	19,569.8	3,621.8	1,356.5	171.3	10,056.7	1,674.0	1,985.3	521.6	75.7	106.9
2001 (Preliminary)	22,704.7	3,953.7	1,862.3	229.9	11,894.7	1,822.9	2,263.8	491.9	87.3	98.1
2002 (Preliminary)	23,399.3	4,270.8	1,828.2	243.9	12,178.2	1,687.5	2,507.4	497.6	94.8	90.9

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-105. Federal obligations for applied research, by performer: fiscal years 1981-2002

[Dollars in millions]

Fiscal years	Total	Intra-mural [1]	Indus-trial firms excluding FFRDCs	FFRDCs admin by indus-trial firms	Univer-sities & colleges excluding FFRDCs	FFRDCs admin by univs and col-leges	Nonprofit insti-tutions excluding FFRDCs	FFRDCs admin by nonprofit insti-tutions	State and local govts	Foreign
1981	7,171.5	2,732.4	1,665.4	278.1	1,416.9	450.0	392.1	59.1	102.8	74.8
1982	7,540.6	2,728.7	1,885.7	400.0	1,318.3	540.0	387.9	95.2	101.4	83.4
1983	7,993.4	3,020.4	1,821.3	439.7	1,355.6	646.1	427.3	77.1	104.7	101.1
1984	7,911.4	2,903.6	1,759.5	405.4	1,498.9	667.0	449.0	79.1	60.0	88.8
1985	8,314.7	3,132.7	1,694.3	363.3	1,687.6	697.1	489.3	84.6	58.9	107.0
1986	8,349.1	3,141.5	1,768.8	364.5	1,751.4	567.6	490.8	74.9	60.0	129.7
1987	8,998.1	3,391.5	1,981.6	313.6	1,974.6	564.3	549.8	76.5	52.7	93.4
1988	9,176.5	3,288.1	2,045.6	322.2	2,154.6	575.0	571.3	65.2	60.4	94.1
1989	10,163.5	3,583.5	2,101.8	380.5	2,571.8	605.4	681.0	67.3	77.6	94.6
1990	10,336.8	3,515.2	2,304.2	367.5	2,588.4	564.3	735.9	78.4	76.1	106.9
1991	11,797.6	4,062.8	2,456.6	445.6	2,803.0	854.7	910.4	90.1	80.2	94.3
1992	12,000.7	4,185.7	2,530.9	437.6	2,728.9	957.6	952.5	74.5	66.9	66.2
1993	13,491.4	4,790.0	3,027.5	555.6	3,058.6	896.8	876.4	102.2	140.1	44.1
1994	13,887.7	4,983.3	2,954.4	499.6	3,299.4	845.1	969.2	104.0	155.5	77.2
1995	14,557.4	4,991.0	3,484.5	571.8	3,409.9	794.8	930.4	132.0	142.7	100.3
1996	13,795.7	4,836.5	3,160.3	423.4	3,263.1	864.0	944.3	119.4	107.3	77.4
1997	14,423.4	4,978.6	3,225.5	464.9	3,477.4	998.8	1,005.3	129.2	75.5	68.2
1998	15,309.3	5,050.6	3,513.3	517.7	3,787.3	1,100.7	1,027.7	92.6	155.2	64.1
1999	16,083.9	5,430.6	3,497.0	565.8	4,096.7	988.6	1,156.7	114.6	171.0	62.8
2000	18,900.7	5,827.8	3,444.6	528.9	5,959.2	1,099.2	1,734.6	174.5	86.9	45.1
2001 (Preliminary)	21,131.3	6,479.4	3,592.2	657.6	6,878.7	1,217.5	1,992.1	166.2	96.8	50.8
2002 (Preliminary)	21,927.6	6,430.3	3,878.8	645.4	7,317.2	1,252.8	2,078.7	157.6	108.5	58.4

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-106. Federal obligations for development, by performer: fiscal years 1981-2002

[Dollars in millions]

Fiscal years	Total	Intra-mural [1]	Indus-trial firms excluding FFRDCs	FFRDCs admin by indus-trial firms	Univer-sities & colleges excluding FFRDCs	FFRDCs admin by univs and col-leges	Nonprofit insti-tutions excluding FFRDCs	FFRDCs admin by nonprofit insti-tutions	State and local govts	Foreign
1981	20,891.1	4,391.5	12,909.6	1,062.6	545.6	850.4	363.6	457.5	92.9	217.5
1982	23,410.4	4,946.8	15,035.6	1,019.1	560.0	920.0	348.1	416.4	58.4	106.0
1983	24,458.0	5,871.7	14,905.5	978.5	498.5	1,143.8	404.7	496.1	49.3	109.9
1984	27,246.1	6,807.6	16,472.9	1,112.0	517.2	1,149.9	574.6	509.8	42.8	59.2
1985	32,226.1	7,889.3	19,630.5	1,304.9	613.5	1,395.1	654.1	592.2	39.9	106.7
1986	34,910.2	8,374.6	21,920.7	1,215.0	675.4	1,476.0	614.1	463.3	37.4	133.9
1987	37,313.2	7,975.3	24,319.6	1,426.4	697.0	1,738.6	503.9	420.8	58.0	173.4
1988	38,119.3	8,776.2	24,076.7	1,456.1	804.8	1,909.1	383.2	422.7	39.0	251.4
1989	40,641.0	9,127.6	25,672.9	1,452.0	878.8	1,793.6	480.0	412.4	46.3	777.3
1990	41,937.1	10,039.1	26,178.4	1,712.5	1,001.0	1,658.3	588.2	484.0	87.5	188.1
1991	37,326.8	8,683.8	23,014.1	1,458.7	1,301.0	1,442.9	711.5	508.5	85.8	120.5
1992	41,102.0	9,059.6	26,293.6	1,432.2	1,210.6	1,503.7	753.9	605.7	74.8	167.9
1993	40,423.5	9,211.6	26,295.2	652.1	1,316.1	1,314.8	770.6	580.0	108.5	174.8
1994	39,824.2	8,650.9	26,390.9	556.3	1,505.2	1,111.8	834.8	557.6	94.7	122.0
1995	39,752.4	9,340.2	25,537.4	390.2	1,573.7	1,328.0	755.4	617.9	95.1	114.4
1996	39,393.3	9,027.2	26,104.7	440.7	1,271.2	1,062.1	707.9	559.7	59.3	160.5
1997	40,461.5	9,051.3	27,027.2	368.6	1,385.7	1,102.1	666.7	603.4	117.1	139.3
1998	41,178.5	9,152.4	27,365.9	344.7	1,641.7	1,147.2	746.0	388.5	207.4	184.6
1999	41,813.1	9,398.9	27,321.8	448.8	1,755.3	1,342.3	802.0	443.7	125.1	175.2
2000	34,392.7	7,700.2	22,934.4	400.6	799.3	1,279.9	496.8	535.4	61.5	184.7
2001 (Preliminary)	37,062.1	8,286.4	24,868.8	558.7	841.5	1,327.4	562.4	459.1	72.4	85.4
2002 (Preliminary)	35,318.5	7,584.2	24,108.0	508.1	703.4	1,273.5	504.8	463.8	66.0	106.8

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

KEY: FFRDCs = Federally funded research and development centers

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-107. Federal obligations for total research, by detailed field of science and engineering: fiscal years 1981-91

[Dollars in millions]

Field of science and engineering	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all fields	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4
Life sciences, total	4,435.6	4,745.5	5,177.9	5,635.9	6,362.5	6,464.3	7,341.4	7,724.5	8,495.1	8,829.8	9,622.0
Biol & agricultural, total	2,711.8	2,811.8	3,064.4	3,325.0	3,755.3	3,861.3	4,358.5	4,573.4	5,020.0	5,178.4	5,597.9
Biol (excl environmental)	1,996.6	2,079.3	2,305.5	2,563.1	2,885.7	2,993.4	3,502.0	3,681.7	3,983.2	4,144.6	4,457.8
Environmental biology	220.3	183.5	193.6	250.0	260.3	264.1	289.6	301.0	367.8	342.3	459.7
Agricultural	494.8	549.0	565.2	512.0	609.3	603.8	566.9	590.7	669.0	691.4	680.3
Medical sciences, total	1,609.9	1,773.0	1,927.5	2,112.8	2,368.5	2,360.4	2,664.8	2,941.0	3,222.5	3,382.4	3,460.3
Life sciences, n.e.c.	113.9	160.7	186.1	198.1	238.7	242.6	318.2	210.1	252.6	269.1	563.8
Psychology, total	208.9	218.4	240.9	266.7	327.1	334.0	369.5	389.8	421.7	448.6	482.4
Biological aspects	57.5	59.6	63.2	80.8	91.2	90.1	98.3	105.3	121.8	130.6	140.2
Social aspects	93.5	98.1	104.7	107.8	142.9	143.5	154.5	149.4	149.9	177.5	197.5
Psychological sci, n.e.c.	57.9	60.7	73.0	78.1	93.1	100.4	116.7	135.2	149.9	140.5	144.8
Physical sciences, total	2,220.5	2,500.4	2,891.4	2,969.0	3,046.0	3,069.1	3,252.6	3,317.3	3,705.2	3,808.7	4,235.3
Astronomy	281.0	275.8	357.4	382.3	414.7	468.2	522.2	470.8	541.9	597.2	631.7
Chemistry	486.9	481.2	520.3	606.4	650.4	662.4	680.3	703.1	782.6	761.7	828.4
Physics	1,345.6	1,610.5	1,854.6	1,836.4	1,816.0	1,805.9	1,853.6	1,975.3	2,190.8	2,254.9	2,460.9
Physical sciences, n.e.c.	107.0	132.9	159.2	143.9	164.8	132.6	196.6	168.1	189.9	195.0	314.3
Environmental sciences, total	1,121.1	1,148.3	1,251.2	1,275.9	1,403.7	1,481.7	1,511.6	1,607.0	1,773.2	2,174.1	2,149.8
Atmospheric sciences	373.4	425.8	460.7	434.1	486.0	521.3	552.9	587.8	588.0	773.4	802.7
Geological sciences	396.1	357.6	333.5	359.0	429.0	443.9	441.7	441.6	542.8	661.1	728.7
Oceanography	261.7	261.3	343.5	363.5	398.5	429.7	427.4	460.4	491.9	520.1	398.6
Environmental sci, n.e.c.	89.9	103.6	113.5	119.3	90.2	86.8	89.5	117.1	150.5	219.5	219.8
Math & computer sci, total	278.9	350.1	419.4	440.3	574.9	615.4	640.6	642.9	735.4	840.7	903.7
Mathematics	117.7	128.1	133.5	151.0	183.6	184.5	204.5	217.9	236.1	241.3	227.6
Computer sciences	121.5	170.9	214.6	214.5	280.3	302.4	297.8	292.7	364.6	562.1	584.9
Math & computer sci, n.e.c.	39.7	51.0	71.4	74.8	111.0	128.5	138.3	132.3	134.8	37.3	91.1
Engineering, total	3,071.5	3,386.5	3,517.0	3,624.1	3,617.6	3,738.9	3,906.3	3,956.4	4,442.2	4,226.6	4,944.5
Aeronautical	709.6	741.2	820.6	860.4	738.0	775.6	810.4	801.8	986.8	927.1	1,016.2
Astronautical	303.9	290.7	321.5	396.8	424.7	526.9	624.6	575.4	677.4	580.8	653.1
Chemical	147.6	95.1	145.0	144.5	254.3	245.8	215.8	258.1	142.2	241.9	304.3
Civil	159.1	201.9	188.5	202.8	216.6	202.9	204.4	214.9	229.8	317.7	305.0
Electrical	556.7	612.2	614.9	630.0	626.8	674.4	786.3	731.1	843.1	640.0	729.9
Mechanical	204.6	201.2	266.4	190.5	267.0	236.5	233.5	240.8	257.4	268.3	335.5
Metallurgy & materials	256.0	309.1	332.5	341.1	439.2	445.0	362.0	456.7	521.0	554.5	710.7
Engineering, n.e.c.	733.9	935.1	827.6	858.0	651.0	631.7	669.3	677.8	784.5	696.3	889.8
Social sciences, total	497.4	385.9	435.3	436.3	460.0	415.5	480.0	485.8	551.0	630.0	727.3
Anthropology	14.5	14.6	12.8	18.6	18.0	13.6	15.2	14.3	13.9	14.4	16.0
Economics	206.7	157.1	165.6	147.3	159.7	131.3	148.5	159.5	166.8	197.2	187.4
Political science	10.8	7.5	11.1	10.8	14.6	11.6	11.3	12.2	13.5	13.1	17.0
Sociology	65.0	52.0	67.8	70.2	66.5	67.0	74.0	81.8	94.1	116.2	184.0
Social sciences, n.e.c.	200.4	154.7	178.0	189.5	201.3	192.0	231.0	218.0	262.8	289.1	322.9
Other sciences, n.e.c.	378.8	287.0	320.4	330.5	341.6	383.3	438.3	526.5	641.6	663.7	903.4

KEY: n.e.c. = Not elsewhere classified

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-107a. Federal obligations for total research, by detailed field of science and engineering: fiscal years 1992-2002

[Dollars in millions]

Field of science and engineering	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all fields	24,490.6	26,890.5	27,411.2	28,434.4	28,259.8	29,365.3	30,922.3	33,527.5	38,470.6	43,836.0	45,326.9
Life sciences, total	9,910.5	10,772.1	11,284.3	11,811.0	12,064.3	12,661.3	13,557.6	15,422.5	17,964.7	21,118.1	22,204.3
Biol & agricultural, total	5,633.6	6,059.3	6,103.0	6,402.5	6,629.9	6,544.0	7,073.8	8,047.7	12,375.0	NA	NA
Biol (excl environmental)	4,435.1	4,789.9	4,745.8	4,925.4	5,309.9	5,320.2	5,706.6	6,477.6	10,740.0	NA	NA
Environmental biology	511.0	556.5	629.9	806.9	704.0	582.5	604.5	720.6	740.0	NA	NA
Agricultural	687.5	712.9	727.2	670.3	616.0	641.3	762.8	849.4	895.0	NA	NA
Medical sciences	3,909.9	4,404.4	4,862.1	4,972.2	4,973.4	5,532.7	5,996.3	6,801.2	4,463.8	NA	NA
Life sciences, n.e.c.	367.0	308.3	319.3	436.3	461.1	584.6	487.4	573.6	1,125.9	NA	NA
Psychology, total	298.1	550.7	548.4	622.6	525.0	545.4	591.0	632.6	1,626.7	1,870.8	2,075.3
Biological aspects	34.6	37.2	48.1	58.8	62.8	57.8	41.6	18.0	7.8	NA	NA
Social aspects	100.9	134.7	116.8	156.3	83.4	96.7	97.5	66.6	56.4	NA	NA
Psychological sci, n.e.c.	162.6	378.7	383.4	407.5	378.8	390.9	451.9	547.9	1,562.5	NA	NA
Physical sciences, total	4,439.2	4,427.0	4,253.5	4,278.3	3,923.0	4,149.2	4,209.7	4,066.2	4,788.0	5,162.9	5,144.8
Astronomy	739.1	686.3	747.6	764.5	729.0	774.7	732.2	757.9	880.3	NA	NA
Chemistry	896.2	843.2	874.4	863.5	881.1	845.8	819.0	814.9	1,225.6	NA	NA
Physics	2,578.2	2,638.4	2,443.1	2,451.2	1,991.3	2,067.6	2,131.8	2,221.9	2,405.4	NA	NA
Physical sciences, n.e.c.	225.7	259.2	188.3	199.2	321.6	461.0	526.7	271.4	276.7	NA	NA
Environmental sciences, total	2,207.6	2,608.5	2,838.2	2,854.4	3,019.7	3,045.7	3,062.0	3,095.3	3,328.8	3,660.6	3,644.2
Atmospheric sciences	767.3	984.1	1,095.0	1,135.6	1,085.7	1,164.3	1,174.4	1,176.5	1,104.3	NA	NA
Geological sciences	735.7	797.9	838.0	848.3	784.3	691.8	603.3	660.2	639.2	NA	NA
Oceanography	458.9	467.4	496.8	407.3	574.3	597.7	559.8	656.6	673.0	NA	NA
Environmental sci, n.e.c.	245.8	359.2	408.5	463.3	575.4	591.8	724.4	602.0	912.2	NA	NA
Math & computer sci, total	1,160.3	1,225.4	1,301.6	1,579.1	1,571.6	1,671.8	1,836.8	1,980.6	2,205.6	2,458.3	2,617.9
Mathematics	318.7	290.8	342.3	258.6	254.5	301.6	334.1	345.3	432.9	NA	NA
Computer sciences	771.8	826.1	830.2	1,013.9	1,119.8	1,264.7	1,398.7	1,516.1	1,659.6	NA	NA
Math & computer sci, n.e.c.	69.9	108.5	129.1	306.6	197.3	105.5	104.0	119.2	113.1	NA	NA
Engineering, total	4,977.0	5,499.4	5,479.4	5,708.4	5,680.9	5,690.3	5,895.4	6,263.4	6,346.4	7,090.6	7,031.5
Aeronautical	874.6	1,193.0	1,222.7	1,248.3	1,249.4	1,352.7	1,596.4	1,609.7	1,463.9	NA	NA
Astronautical	630.4	494.0	499.1	546.5	526.6	596.3	631.1	620.6	515.0	NA	NA
Chemical	297.5	245.5	238.2	246.1	215.1	235.0	190.1	203.2	196.5	NA	NA
Civil	330.2	252.0	277.9	339.4	300.2	275.6	244.1	328.5	239.2	NA	NA
Electrical	759.0	881.5	741.8	756.3	669.7	622.2	639.3	698.7	744.8	NA	NA
Mechanical	337.2	466.9	378.1	412.5	294.0	254.6	249.6	240.4	289.3	NA	NA
Metallurgy & materials	727.2	695.7	851.4	815.3	989.0	860.7	789.1	788.0	918.1	NA	NA
Engineering, n.e.c.	1,020.8	1,270.9	1,270.2	1,344.0	1,437.0	1,493.2	1,555.6	1,774.3	1,979.6	NA	NA
Social sciences, total	689.7	674.9	647.4	678.7	654.6	696.3	806.1	854.9	1,050.3	1,216.2	1,271.0
Anthropology	14.1	13.7	16.2	21.7	18.3	21.0	18.2	18.3	15.9	NA	NA
Economics	211.6	204.7	193.3	206.5	194.2	205.2	230.5	216.6	249.5	NA	NA
Political science	22.6	29.2	25.4	22.3	16.7	14.1	20.2	20.2	22.6	NA	NA
Sociology	80.7	76.7	68.1	47.8	41.2	25.9	100.8	83.8	90.6	NA	NA
Social sciences, n.e.c.	360.8	350.5	344.4	380.3	384.2	430.2	436.4	516.0	671.7	NA	NA
Other sciences, n.e.c.	808.3	1,132.5	1,058.4	901.8	820.7	905.3	963.7	1,212.1	1,160.2	1,258.6	1,338.0

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

NOTES: Because of rounding, detail may not add to totals.

Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the fiscal year 1996 field of science data (such as mechanical engineering).

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-108. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1981-91

[Dollars in millions]

Field of science and engineering	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all fields	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8
Life sciences, total	2,223.8	2,526.0	2,891.3	3,287.6	3,786.6	3,858.8	4,361.9	4,501.8	4,915.7	5,177.5	5,433.6
Biol & agricultural, total	1,462.4	1,674.8	1,928.8	2,174.7	2,515.5	2,543.0	2,870.4	2,855.3	3,102.9	3,219.0	3,374.9
Biol (excl environmental)	1,201.7	1,401.2	1,621.9	1,835.8	2,106.3	2,151.5	2,461.5	2,414.9	2,647.2	2,742.2	2,868.5
Environmental biology	83.3	83.2	92.7	120.8	125.7	125.7	141.0	146.8	157.3	168.3	186.9
Agricultural	177.4	190.4	214.2	218.1	283.5	265.7	267.9	293.7	298.4	308.5	319.4
Medical sciences, total	706.2	793.4	878.9	1,015.3	1,145.4	1,196.6	1,341.0	1,573.2	1,708.4	1,849.6	1,857.7
Life sciences, n.e.c.	55.3	57.8	83.6	97.7	125.7	119.2	150.6	73.2	104.4	108.9	201.0
Psychology, total	91.0	89.9	92.9	107.9	132.8	133.0	147.1	177.8	187.1	215.1	225.5
Biological aspects	30.5	32.9	31.4	43.7	48.0	47.0	49.3	52.4	61.0	65.3	68.2
Social aspects	30.2	33.7	32.8	33.4	46.9	45.3	45.5	40.9	38.1	60.9	69.2
Psychological sci, n.e.c.	30.2	23.3	28.7	30.8	38.0	40.7	52.3	84.5	88.0	88.8	88.1
Physical sciences, total	1,324.9	1,393.8	1,587.2	1,728.0	1,815.2	1,914.4	2,096.0	2,199.6	2,506.5	2,661.5	2,881.5
Astronomy	274.2	271.1	354.5	379.6	400.7	453.1	504.5	458.5	524.6	579.9	612.3
Chemistry	298.2	312.0	362.2	403.4	425.0	433.4	445.1	470.8	504.6	502.1	538.7
Physics	735.4	790.7	855.1	921.4	959.9	1,003.4	1,072.3	1,205.5	1,395.3	1,474.3	1,644.9
Physical sciences, n.e.c.	17.1	20.0	15.4	23.6	29.7	24.7	74.2	64.8	81.9	105.1	85.5
Environmental sciences, total	532.8	520.0	580.1	656.7	699.7	749.1	781.0	872.7	1,016.9	1,274.8	1,263.5
Atmospheric sciences	173.8	163.2	172.6	192.2	209.2	240.4	243.8	280.7	316.4	443.7	449.0
Geological sciences	194.2	177.5	178.3	198.0	250.0	265.5	266.2	267.3	334.9	439.7	499.0
Oceanography	143.3	154.5	195.6	220.1	219.3	224.3	249.8	269.4	293.5	299.7	197.5
Environmental sci, n.e.c.	21.5	24.9	33.5	46.4	21.2	18.9	21.2	55.2	72.1	91.6	118.0
Math & computer sci, total	140.4	165.1	208.1	240.8	260.0	293.4	306.4	313.2	345.8	406.9	426.1
Mathematics	79.2	90.9	100.9	113.9	130.3	142.4	158.4	165.4	167.8	176.3	164.4
Computer sciences	52.2	67.4	90.4	104.8	116.1	131.4	128.5	125.5	159.5	225.2	223.5
Math & computer sci, n.e.c.	9.0	6.8	16.8	22.2	13.6	19.6	19.5	22.4	18.4	5.3	38.2
Engineering, total	526.0	610.5	689.5	845.0	884.2	968.5	989.5	1,006.2	1,183.7	1,101.5	1,233.7
Aeronautical	113.3	126.5	140.7	225.5	191.5	226.3	237.4	231.0	327.9	269.6	256.2
Astronautical	33.2	44.8	50.4	52.4	41.6	52.5	48.8	48.4	58.9	62.3	69.7
Chemical	31.3	35.2	50.4	55.5	74.4	73.0	77.5	88.6	50.1	75.8	101.7
Civil	23.4	32.0	32.4	41.9	43.6	45.2	45.7	46.1	51.7	47.3	59.3
Electrical	78.5	93.6	95.8	130.4	144.9	156.3	175.4	154.0	173.8	146.9	142.5
Mechanical	47.4	53.1	60.7	64.1	88.2	83.6	87.2	83.5	100.8	91.4	115.6
Metallurgy & materials	138.5	155.9	182.9	187.3	211.9	228.5	209.8	230.1	254.8	260.2	294.6
Engineering, n.e.c.	60.5	69.4	76.2	87.9	88.2	103.2	107.8	124.4	165.7	147.9	194.3
Social sciences, total	137.0	120.2	137.7	132.6	140.7	113.5	129.5	146.8	154.6	146.0	161.3
Anthropology	13.1	13.1	11.2	16.8	15.8	11.2	12.3	12.1	12.1	12.5	12.7
Economics	34.1	39.0	41.0	29.7	34.3	26.3	29.0	34.7	37.7	37.1	37.3
Political science	6.3	4.4	4.6	4.1	5.8	4.1	5.5	5.1	5.4	6.4	7.1
Sociology	22.6	18.7	32.8	33.9	32.4	30.0	34.3	36.8	38.2	24.2	28.2
Social sciences, n.e.c.	60.9	45.1	48.2	48.1	52.4	41.9	48.4	58.1	61.2	65.8	75.9
Other sciences, n.e.c.	65.4	56.1	73.3	68.8	99.4	122.5	130.9	255.5	291.7	302.3	545.6

KEY: n.e.c. = Not elsewhere classified

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-108a. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1992-2002

[Dollars in millions]

Field of science and engineering	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all fields	12,489.9	13,399.1	13,523.5	13,877.0	14,464.0	14,941.9	15,613.0	17,443.7	19,569.8	22,704.7	23,399.3
Life sciences, total	5,841.7	6,288.8	6,472.1	6,601.3	6,879.0	7,203.8	7,853.4	9,197.1	10,049.0	11,951.7	12,537.6
Biol & agricultural, total	3,517.6	3,787.8	3,751.9	3,836.5	3,922.4	3,945.1	4,222.3	4,941.6	7,610.4	NA	NA
Biol (excl environmental)	2,981.8	3,222.5	3,139.2	3,248.3	3,387.2	3,391.0	3,653.0	4,236.9	6,851.1	NA	NA
Environmental biology	201.6	223.2	242.1	220.6	205.7	206.1	196.8	280.2	313.6	NA	NA
Agricultural	334.2	342.2	370.6	367.5	329.5	348.1	372.5	424.5	445.7	NA	NA
Medical sciences	2,131.0	2,380.9	2,610.3	2,615.9	2,740.8	3,035.2	3,392.4	3,956.5	1,923.8	NA	NA
Life sciences, n.e.c.	193.1	120.1	109.9	148.9	215.9	223.4	238.6	299.1	514.7	NA	NA
Psychology, total	122.6	246.8	246.1	278.0	291.5	293.9	312.0	347.3	817.8	944.0	1,044.9
Biological aspects	14.3	18.1	24.8	31.4	33.5	30.2	27.3	12.2	5.6	NA	NA
Social aspects	16.9	16.0	16.3	22.2	10.1	13.0	12.9	9.9	14.4	NA	NA
Psychological sci, n.e.c.	91.4	212.7	205.0	224.4	248.0	250.7	271.8	325.1	797.8	NA	NA
Physical sciences, total	2,951.4	2,907.1	2,826.9	2,864.8	2,862.6	2,976.4	2,941.4	3,089.8	3,470.6	3,852.2	3,835.5
Astronomy	729.7	663.4	724.8	731.6	708.8	754.2	706.9	718.4	794.0	NA	NA
Chemistry	556.6	543.7	540.3	559.4	550.7	517.8	517.5	554.6	765.8	NA	NA
Physics	1,607.5	1,600.6	1,502.3	1,507.4	1,545.6	1,561.7	1,579.8	1,693.8	1,764.4	NA	NA
Physical sciences, n.e.c.	57.6	99.4	59.6	66.4	57.4	142.6	137.1	122.9	146.4	NA	NA
Environmental sciences, total	1,303.6	1,533.5	1,516.5	1,467.5	1,554.0	1,543.5	1,528.7	1,615.7	1,838.4	2,058.4	2,055.6
Atmospheric sciences	435.2	635.1	698.3	688.2	671.2	679.5	655.2	671.0	717.0	NA	NA
Geological sciences	526.5	555.3	487.8	451.7	390.0	388.3	391.2	412.1	429.6	NA	NA
Oceanography	210.0	207.2	190.2	188.2	309.1	303.5	286.0	383.9	364.9	NA	NA
Environmental sci, n.e.c.	131.9	135.9	140.2	139.3	183.8	172.1	196.4	148.7	326.9	NA	NA
Math & computer sci, total	481.4	511.3	521.7	603.0	639.6	661.4	705.5	734.9	798.3	923.1	927.5
Mathematics	228.2	221.8	247.7	164.0	162.6	238.2	250.7	254.0	308.6	NA	NA
Computer sciences	247.7	284.3	262.3	317.1	376.8	389.5	419.1	438.3	463.0	NA	NA
Math & computer sci, n.e.c.	5.5	5.1	11.8	121.9	100.2	33.6	35.6	42.6	26.6	NA	NA
Engineering, total	1,249.8	1,207.4	1,290.4	1,448.9	1,612.1	1,583.0	1,594.4	1,639.7	1,764.2	2,071.8	2,024.8
Aeronautical	245.1	246.2	275.9	271.0	261.7	269.1	285.2	331.7	322.8	NA	NA
Astronautical	94.4	53.6	59.8	66.3	71.8	69.8	68.0	66.2	88.7	NA	NA
Chemical	105.0	72.8	70.9	66.7	59.8	68.1	52.3	55.2	52.6	NA	NA
Civil	53.4	38.7	38.1	70.1	52.9	45.4	35.9	68.8	59.7	NA	NA
Electrical	165.4	203.1	205.7	204.6	201.5	172.9	213.9	185.6	177.0	NA	NA
Mechanical	113.9	142.6	141.6	164.7	113.2	104.9	106.7	99.6	93.4	NA	NA
Metallurgy & materials	273.6	241.3	330.2	368.5	501.8	462.6	478.2	481.2	517.8	NA	NA
Engineering, n.e.c.	199.2	209.1	168.3	236.9	349.4	390.4	354.3	351.4	452.2	NA	NA
Social sciences, total	139.9	194.1	184.0	206.7	212.5	221.0	224.8	246.5	308.0	341.7	355.1
Anthropology	11.0	10.0	9.7	15.1	12.7	14.8	13.5	13.4	14.0	NA	NA
Economics	39.3	46.0	38.4	44.7	39.4	46.1	41.5	45.3	51.8	NA	NA
Political science	6.4	6.4	4.8	7.1	5.7	4.9	4.6	4.8	5.1	NA	NA
Sociology	10.2	11.1	13.1	14.3	13.3	8.2	23.5	9.2	11.8	NA	NA
Social sciences, n.e.c.	72.9	120.6	118.1	125.5	141.3	147.0	141.7	173.9	225.4	NA	NA
Other sciences, n.e.c.	399.4	510.1	465.6	406.9	412.8	459.0	452.7	572.5	523.6	561.7	618.3

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

NOTES: Because of rounding, detail may not add to totals.

Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the fiscal year 1996 field of science data (such as mechanical engineering).

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-109. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1981-91

[Dollars in millions]

Field of science and engineering	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total, all fields	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6
Life sciences, total	2,211.8	2,219.5	2,286.6	2,348.3	2,575.9	2,605.5	2,979.5	3,222.7	3,579.4	3,652.3	4,188.4
Biol & agricultural, total	1,249.4	1,137.0	1,135.6	1,150.3	1,239.8	1,318.4	1,488.1	1,718.0	1,917.2	1,959.4	2,223.0
Biol (excl environmental)	794.9	678.1	683.7	727.3	779.3	841.9	1,040.5	1,266.8	1,336.0	1,402.5	1,589.3
Environmental biology	137.0	100.4	101.0	129.2	134.6	138.3	148.6	154.2	210.5	174.0	272.8
Agricultural	317.4	358.6	351.0	293.8	325.8	338.1	299.1	297.0	370.7	382.9	360.9
Medical sciences, total	903.7	979.6	1,048.5	1,097.5	1,223.1	1,163.8	1,323.8	1,367.8	1,514.1	1,532.7	1,602.6
Life sciences, n.e.c.	58.7	102.9	102.4	100.4	113.0	123.3	167.6	136.9	148.1	160.2	362.9
Psychology, total	117.9	128.5	147.9	158.8	194.3	201.0	222.4	212.0	234.5	233.5	256.9
Biological aspects	27.0	26.7	31.8	37.1	43.2	43.1	49.1	52.9	60.8	65.3	72.0
Social aspects	63.3	64.4	71.8	74.3	96.0	98.3	108.9	108.4	111.8	116.5	128.2
Psychological sci, n.e.c.	27.7	37.4	44.3	47.4	55.1	59.7	64.4	50.7	61.9	51.7	56.7
Physical sciences, total	895.6	1,106.5	1,304.3	1,241.0	1,230.8	1,154.6	1,156.6	1,117.7	1,198.8	1,147.2	1,353.9
Astronomy	6.8	4.7	3.0	2.7	14.1	15.1	17.7	12.3	17.3	17.2	19.3
Chemistry	188.7	169.2	158.1	203.0	225.4	229.0	235.2	232.3	278.0	259.6	289.7
Physics	610.2	819.8	999.5	915.0	856.1	802.6	781.4	769.8	795.5	780.6	816.0
Physical sciences, n.e.c.	89.9	112.9	143.7	120.3	135.2	107.9	122.4	103.3	108.0	89.8	228.9
Environmental sciences, total	588.2	628.3	671.2	619.2	704.0	732.6	730.6	734.3	756.3	899.3	886.3
Atmospheric sciences	199.6	262.6	288.1	242.0	276.8	280.9	309.1	307.1	271.6	329.7	353.7
Geological sciences	201.9	180.1	155.2	161.0	179.0	178.4	175.6	174.3	207.8	221.4	229.7
Oceanography	118.4	106.8	147.9	143.4	179.3	205.4	177.6	190.9	198.4	220.4	201.0
Environmental sci, n.e.c.	68.4	78.7	80.0	72.9	69.0	67.9	68.3	61.9	78.5	127.8	101.7
Math & computer sci, total	138.6	185.0	211.3	199.5	314.9	322.0	334.3	329.6	389.7	433.9	477.6
Mathematics	38.6	37.3	32.6	37.1	53.4	42.1	46.1	52.5	68.3	65.0	63.2
Computer sciences	69.3	103.5	124.1	109.7	164.2	171.0	169.3	167.2	205.1	336.9	361.4
Math & computer sci, n.e.c.	30.7	44.3	54.6	52.7	97.3	108.9	118.9	109.9	116.3	31.9	52.9
Engineering, total	2,545.4	2,776.1	2,827.5	2,779.1	2,733.4	2,770.4	2,916.8	2,950.2	3,258.4	3,125.1	3,710.8
Aeronautical	596.3	614.7	679.9	634.9	546.5	549.3	573.0	570.8	658.9	657.5	760.0
Astronautical	270.8	245.9	271.1	344.4	383.2	474.4	575.9	526.9	618.5	518.5	583.4
Chemical	116.3	59.9	94.6	88.9	179.9	172.8	138.3	169.5	92.2	166.0	202.6
Civil	135.8	169.9	156.0	161.0	173.0	157.8	158.7	168.7	178.1	270.4	245.7
Electrical	478.2	518.6	519.1	499.7	481.9	518.1	610.9	577.1	669.3	493.1	587.4
Mechanical	157.3	148.1	205.7	126.3	178.8	153.0	146.2	157.2	156.5	176.9	220.0
Metallurgy & materials	117.5	153.2	149.6	153.7	227.4	216.6	152.2	226.6	266.2	294.3	416.1
Engineering, n.e.c.	673.4	865.7	751.4	770.1	562.8	528.5	561.6	553.3	618.8	548.4	695.4
Social sciences, total	360.5	265.7	297.5	303.8	319.3	302.0	350.5	339.0	396.4	484.0	566.0
Anthropology	1.5	1.5	1.6	1.7	2.1	2.4	2.9	2.2	1.8	1.9	3.3
Economics	172.6	118.2	124.6	117.6	125.4	105.0	119.6	124.8	129.1	160.1	150.1
Political science	4.5	3.2	6.6	6.7	8.9	7.5	5.8	7.1	8.1	6.8	10.0
Sociology	42.4	33.3	35.0	36.3	34.0	37.0	39.6	45.0	55.9	92.0	155.7
Social sciences, n.e.c.	139.5	109.6	129.8	141.4	148.9	150.2	182.6	159.9	201.6	223.3	246.9
Other sciences, n.e.c.	313.5	231.0	247.1	261.7	242.2	260.9	307.4	271.0	350.0	361.5	357.8

KEY: n.e.c. = Not elsewhere classified

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-109a. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1992-2002

[Dollars in millions]

Field of science and engineering	1992	1993	1994	1995	1996	1997	1998	1999	2000	Preliminary	
										2001	2002
Total, all fields	12,000.7	13,491.4	13,887.7	14,557.4	13,795.7	14,423.4	15,309.3	16,083.9	18,900.7	21,131.3	21,927.6
Life sciences, total	4,068.8	4,483.3	4,812.2	5,209.8	5,185.3	5,457.6	5,704.2	6,225.3	7,915.7	9,166.4	9,666.7
Biol & agricultural, total	2,116.0	2,271.5	2,351.1	2,566.0	2,707.6	2,598.9	2,851.5	3,106.1	4,764.6	NA	NA
Biol (excl environmental)	1,453.2	1,567.4	1,606.6	1,677.1	1,922.8	1,929.2	2,053.6	2,240.7	3,888.9	NA	NA
Environmental biology	309.4	333.3	387.8	586.2	498.3	376.4	407.6	440.4	426.4	NA	NA
Agricultural	353.4	370.8	356.7	302.8	286.5	293.2	390.3	424.9	449.2	NA	NA
Medical sciences	1,778.9	2,023.5	2,251.8	2,356.3	2,232.6	2,497.6	2,603.9	2,844.7	2,540.0	NA	NA
Life sciences, n.e.c.	173.9	188.2	209.3	287.4	245.2	361.1	248.8	274.6	611.2	NA	NA
Psychology, total	175.6	303.9	302.2	344.6	233.5	251.5	279.0	285.3	808.9	926.8	1,030.4
Biological aspects	20.3	19.1	23.3	27.4	29.3	27.6	14.3	5.8	2.3	NA	NA
Social aspects	84.1	118.7	100.5	134.1	73.4	83.7	84.6	56.7	42.0	NA	NA
Psychological sci, n.e.c.	71.2	166.1	178.4	183.1	130.8	140.2	180.1	222.8	764.7	NA	NA
Physical sciences, total	1,487.7	1,519.8	1,426.5	1,413.5	1,060.4	1,172.8	1,268.3	976.4	1,317.3	1,310.7	1,309.3
Astronomy	9.4	22.8	22.8	32.9	20.2	20.6	25.2	39.4	86.3	NA	NA
Chemistry	339.6	299.5	334.2	304.1	330.4	327.9	301.5	260.3	459.8	NA	NA
Physics	970.7	1,037.7	940.9	943.8	445.7	505.9	552.0	528.1	641.0	NA	NA
Physical sciences, n.e.c.	168.1	159.8	128.7	132.7	264.2	318.4	389.6	148.5	130.3	NA	NA
Environmental sciences, total	904.0	1,075.0	1,321.7	1,387.0	1,465.7	1,502.2	1,533.2	1,479.5	1,490.3	1,602.1	1,588.6
Atmospheric sciences	332.0	349.0	396.7	447.3	414.6	484.8	519.2	505.5	387.3	NA	NA
Geological sciences	209.2	242.6	350.1	396.6	394.3	303.5	212.1	248.1	209.6	NA	NA
Oceanography	248.9	260.2	306.6	219.1	265.2	294.2	273.8	272.7	308.1	NA	NA
Environmental sci, n.e.c.	113.8	223.3	268.3	324.0	391.7	419.7	528.1	453.3	585.3	NA	NA
Math & computer sci, total	678.9	714.1	779.9	976.1	932.0	1,010.5	1,131.4	1,245.7	1,407.3	1,535.1	1,690.3
Mathematics	90.5	68.9	94.7	94.6	91.8	63.4	83.3	91.3	124.3	NA	NA
Computer sciences	524.0	541.8	567.9	696.8	743.1	875.1	979.6	1,077.8	1,196.6	NA	NA
Math & computer sci, n.e.c.	64.3	103.4	117.3	184.7	97.1	71.9	68.4	76.6	86.5	NA	NA
Engineering, total	3,727.1	4,292.0	4,189.0	4,259.5	4,068.9	4,107.3	4,301.0	4,623.7	4,582.2	5,018.8	5,006.7
Aeronautical	629.5	946.8	946.8	977.2	987.6	1,083.7	1,311.2	1,278.0	1,141.1	NA	NA
Astronautical	536.0	440.4	439.3	480.2	454.7	526.5	563.2	554.4	426.3	NA	NA
Chemical	192.5	172.7	167.3	179.4	155.4	166.9	137.9	148.0	143.9	NA	NA
Civil	276.9	213.3	239.8	269.3	247.3	230.2	208.3	259.7	179.5	NA	NA
Electrical	593.6	678.4	536.1	551.7	468.3	449.3	425.4	513.1	567.7	NA	NA
Mechanical	223.4	324.3	236.5	247.8	180.8	149.7	142.9	140.8	195.9	NA	NA
Metallurgy & materials	453.6	454.3	521.2	446.9	487.2	398.1	310.9	306.9	400.3	NA	NA
Engineering, n.e.c.	821.6	1,061.7	1,102.0	1,107.1	1,087.6	1,102.8	1,201.3	1,422.9	1,527.4	NA	NA
Social sciences, total	549.8	480.8	463.3	472.0	442.1	475.3	581.3	608.3	742.3	874.4	916.0
Anthropology	3.1	3.7	6.6	6.6	5.6	6.2	4.7	4.9	1.9	NA	NA
Economics	172.3	158.7	154.9	161.8	154.8	159.1	188.9	171.2	197.7	NA	NA
Political science	16.1	22.8	20.6	15.2	10.9	9.2	15.6	15.4	17.5	NA	NA
Sociology	70.5	65.6	55.0	33.5	27.9	17.7	77.4	74.7	78.8	NA	NA
Social sciences, n.e.c.	287.9	229.9	226.2	254.9	242.8	283.2	294.8	342.1	446.4	NA	NA
Other sciences, n.e.c.	408.8	622.4	592.8	494.9	407.9	446.3	510.9	639.6	636.6	696.8	719.6

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

NOTES: Because of rounding, detail may not add to totals.

Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the fiscal year 1996 field of science data (such as mechanical engineering).

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-110. Federal obligations for research and development for selected agencies, by State: fiscal years 1981-91

[Dollars in millions]

State	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total	31,929.6	35,361.6	37,627.8	41,148.5	47,214.8	50,310.2	54,067.4	55,471.0	59,485.0	62,105.2	59,865.4
Alabama	493.5	561.5	671.7	792.6	896.6	1,188.2	1,346.4	1,363.7	1,646.7	1,805.4	1,863.2
Alaska	51.8	40.0	40.4	47.7	51.5	49.4	48.8	50.5	71.3	90.7	102.7
Arizona	367.7	264.5	469.3	383.9	458.2	398.1	414.9	369.4	501.2	591.7	516.8
Arkansas	31.2	43.5	31.4	35.0	39.7	40.5	52.3	56.4	57.0	85.7	85.9
California	7,049.7	8,888.3	8,194.9	8,995.8	10,771.8	11,512.3	13,672.2	14,895.9	15,919.4	16,249.3	14,488.3
Colorado	632.8	556.6	436.2	531.6	629.2	1,636.4	1,516.3	1,408.4	1,618.1	1,888.3	2,694.2
Connecticut	485.0	439.6	743.3	675.9	742.8	577.3	672.2	619.5	596.7	509.8	672.7
Delaware	25.9	34.6	20.4	63.7	34.7	30.2	32.3	36.0	31.9	28.3	41.8
District of Columbia	921.0	954.6	1,196.1	1,796.0	2,077.7	2,324.0	2,209.2	2,925.3	1,914.9	1,593.1	1,943.7
Florida	1,373.7	1,776.4	1,276.0	1,138.1	1,205.2	1,448.0	2,297.3	2,133.4	2,269.8	2,343.4	2,181.1
Georgia	195.0	217.3	237.2	245.5	291.8	250.5	352.1	350.4	392.5	364.1	466.5
Hawaii	49.9	44.5	71.4	52.9	58.2	54.7	63.9	82.2	97.4	100.0	112.6
Idaho	119.5	127.0	223.4	195.2	259.7	266.6	232.7	250.1	195.9	326.1	279.1
Illinois	572.6	543.0	567.5	675.6	772.8	745.0	827.3	850.7	909.1	957.2	959.4
Indiana	170.1	186.2	213.6	236.0	227.7	295.1	339.4	312.1	392.5	363.6	378.7
Iowa	147.4	136.3	95.2	134.5	150.3	224.3	162.4	197.1	190.9	186.7	209.8
Kansas	471.0	637.7	97.4	101.9	138.1	112.7	94.2	126.7	128.8	116.4	83.6
Kentucky	101.0	97.2	93.1	56.5	69.2	59.1	61.9	68.5	73.0	96.5	122.4
Louisiana	331.8	236.8	186.6	129.7	118.8	92.4	107.4	101.3	179.6	121.2	163.6
Maine	24.4	23.9	29.3	38.1	36.7	35.6	178.6	39.8	67.7	39.7	57.1
Maryland	2,585.1	2,850.2	3,412.4	3,917.9	4,371.6	4,512.5	4,036.3	4,355.3	4,849.0	5,332.1	5,570.7
Massachusetts	2,407.1	2,775.2	2,559.3	2,882.6	3,276.7	3,240.3	3,910.8	2,702.0	2,882.5	2,982.8	3,146.4
Michigan	357.2	376.7	412.5	479.4	502.1	460.5	463.3	417.5	686.2	810.8	772.6
Minnesota	309.0	378.6	448.2	636.8	718.7	515.4	506.6	576.8	597.3	529.8	455.7
Mississippi	125.5	125.7	185.8	145.5	172.4	143.4	184.4	185.1	198.7	471.7	230.6
Missouri	820.4	911.3	576.8	659.5	694.2	677.8	614.7	637.6	1,241.9	1,064.3	587.9
Montana	45.4	42.7	35.0	26.6	26.0	26.4	30.1	35.5	36.2	30.9	45.8
Nebraska	31.7	32.0	42.3	33.0	34.6	41.1	48.9	52.1	51.2	76.4	76.1
Nevada	263.0	376.3	647.1	440.5	490.4	462.6	462.0	443.3	427.5	484.7	496.0
New Hampshire	54.8	50.8	76.8	116.4	130.3	136.0	83.6	60.8	98.0	145.1	196.3
New Jersey	775.4	887.9	1,293.4	1,550.0	1,791.8	1,781.4	1,114.9	1,209.3	1,320.4	1,601.6	1,698.2
New Mexico	1,224.1	1,322.6	1,804.9	2,104.8	2,368.6	2,500.0	1,998.2	2,296.1	2,220.4	2,311.3	2,018.7
New York	1,557.7	1,692.5	2,523.2	2,493.4	3,128.4	3,163.5	2,941.8	2,688.7	2,904.1	2,960.8	3,086.3
North Carolina	259.8	272.7	312.5	378.3	485.7	497.7	583.8	625.0	562.8	618.6	673.8
North Dakota	40.1	36.5	27.2	37.8	32.7	27.2	29.4	32.5	33.3	53.1	43.7
Ohio	1,117.2	1,024.8	1,170.1	1,366.5	1,520.5	1,591.7	1,862.9	1,865.2	1,938.8	2,088.5	1,729.9
Oklahoma	82.4	65.6	67.9	65.5	81.3	69.8	99.4	103.7	117.6	162.6	131.5
Oregon	105.6	106.3	108.0	137.8	151.6	127.6	133.9	170.3	168.4	175.6	216.5
Pennsylvania	1,082.9	1,131.5	1,173.3	1,142.2	1,329.6	1,301.3	1,681.9	1,731.6	1,961.9	2,074.6	2,125.6
Rhode Island	182.5	242.1	267.5	306.1	334.3	392.7	365.4	335.6	314.1	391.1	433.8
South Carolina	96.1	98.7	104.6	119.8	119.9	122.5	123.7	148.7	222.6	230.9	250.4
South Dakota	10.2	19.0	12.4	14.0	14.4	14.6	12.8	13.1	15.0	15.7	22.5
Tennessee	883.6	702.3	435.5	546.7	556.3	591.3	732.0	567.2	576.0	825.0	732.2
Texas	1,031.7	1,054.3	1,412.6	1,473.8	1,664.6	1,912.0	2,261.3	2,514.9	3,189.2	3,496.8	2,321.4
Utah	305.7	287.9	268.9	232.4	250.9	274.6	427.3	462.0	517.8	437.7	429.1
Vermont	18.7	35.7	23.7	33.8	36.1	41.1	39.6	55.9	60.1	42.5	56.1
Virginia	1,066.4	1,268.1	2,286.1	2,247.2	2,472.4	2,810.0	2,292.5	2,729.1	2,778.0	2,733.5	2,909.0
Washington	1,047.5	1,038.9	709.3	881.8	1,036.5	1,153.9	1,878.8	1,765.6	1,766.2	1,567.0	1,241.1
West Virginia	151.2	91.0	82.5	73.3	66.5	88.7	115.8	113.4	104.0	116.6	177.9
Wisconsin	132.2	129.4	142.4	166.0	200.8	181.9	204.8	223.2	263.5	271.7	294.5
Wyoming	58.2	25.4	28.4	34.0	25.1	14.5	23.5	29.0	38.5	57.4	29.8

See explanatory information, if any, and SOURCE at end of table.

Table C-110. Federal obligations for research and development for selected agencies, by State: fiscal years 1981-91

[Dollars in millions]

State	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Outlying areas	38.9	40.7	32.0	44.9	62.8	36.8	42.9	33.0	45.7	54.9	221.0
Offices abroad	47.2	59.0	51.0	34.6	35.9	59.2	78.2	54.2	43.4	31.7	21.0

NOTES: Because of rounding, detail may not add to totals.

For each year, the data shown include the obligations of the 10 major R&D-supporting agencies which were required to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-110a. Federal obligations for research and development for selected agencies, by State: fiscal years 1992-2000

[Dollars in millions]

State	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total	64,089.7	65,743.8	65,820.1	66,700.1	66,292.4	68,510.2	70,710.4	73,798.2	71,261.5
Alabama	2,151.7	2,149.4	1,819.2	1,931.3	2,178.8	2,213.7	2,013.3	1,807.0	1,614.9
Alaska	93.0	92.7	157.3	96.9	93.3	99.9	107.2	115.0	146.8
Arizona	638.2	535.3	800.2	902.3	706.7	732.1	993.5	1,116.9	1,121.7
Arkansas	68.8	79.2	88.9	97.7	148.2	95.3	97.4	106.4	116.3
California	15,999.1	14,883.7	11,250.6	12,600.2	12,658.1	13,730.9	12,222.6	15,600.1	14,083.0
Colorado	1,479.2	1,343.4	1,356.4	1,049.2	1,277.6	1,340.2	1,336.3	1,438.7	1,369.7
Connecticut	578.3	522.2	733.5	900.7	798.9	846.5	699.4	655.2	806.2
Delaware	43.1	56.2	50.4	57.7	64.9	49.0	45.2	52.3	69.9
District of Columbia	2,185.2	2,488.8	2,483.6	2,755.4	2,574.1	2,232.3	2,229.8	2,451.6	2,374.6
Florida	2,832.3	2,775.3	2,906.7	2,391.8	2,957.9	3,326.4	2,754.9	2,284.4	2,216.2
Georgia	2,512.6	3,035.3	5,546.4	4,366.0	4,137.8	3,919.9	3,443.9	2,023.2	2,632.2
Hawaii	150.7	113.0	140.3	139.3	147.6	150.7	164.5	198.8	209.7
Idaho	299.5	303.7	227.8	211.0	244.6	205.7	212.7	200.7	216.9
Illinois	921.9	963.8	1,088.6	1,107.4	1,094.3	1,140.2	1,160.1	1,316.1	1,404.6
Indiana	367.0	513.6	403.6	426.3	439.8	410.4	377.7	413.9	506.3
Iowa	194.7	215.8	223.8	212.1	213.4	228.2	235.8	264.1	267.0
Kansas	91.2	87.9	84.8	120.4	212.0	255.5	154.8	191.6	223.5
Kentucky	71.7	86.7	90.1	73.1	78.6	91.3	216.7	146.8	203.9
Louisiana	169.6	152.6	210.5	170.1	228.7	211.0	223.6	219.2	249.0
Maine	60.6	65.2	82.1	53.1	56.7	68.7	105.7	150.6	249.8
Maryland	5,779.7	7,238.5	6,659.5	7,343.7	6,730.7	7,328.8	7,966.8	8,094.4	8,684.8
Massachusetts	3,227.9	3,551.7	3,201.8	3,337.8	3,192.1	3,437.5	3,113.8	3,129.4	4,145.5
Michigan	876.3	878.0	771.0	683.2	707.9	735.1	755.9	839.8	975.1
Minnesota	456.4	445.5	475.1	570.2	679.5	609.4	806.1	885.1	781.1
Mississippi	255.7	259.8	255.9	209.7	250.6	289.8	280.4	351.6	394.6
Missouri	733.5	726.3	2,272.6	1,606.2	1,267.8	1,130.1	933.7	928.7	890.6
Montana	71.5	69.1	57.0	63.8	63.0	79.3	81.1	95.4	95.0
Nebraska	71.1	78.5	86.5	84.7	88.5	83.0	85.0	94.1	98.5
Nevada	465.8	406.2	347.7	368.9	253.2	295.0	294.7	279.1	263.9
New Hampshire	156.1	237.6	218.9	213.2	268.5	278.7	269.5	291.7	356.9
New Jersey	1,646.8	1,422.8	1,385.7	1,297.7	1,272.6	1,318.8	1,459.6	2,661.2	1,937.8
New Mexico	2,211.3	2,309.6	1,894.1	1,959.9	1,955.0	1,933.1	1,892.1	2,068.3	2,130.5
New York	3,058.7	2,538.0	2,678.7	2,585.9	2,504.9	2,471.0	2,560.5	2,689.0	2,927.5
North Carolina	700.7	719.1	734.3	831.6	821.5	900.3	922.7	1,007.5	1,062.5
North Dakota	54.2	50.3	49.6	47.4	46.2	53.0	52.1	59.9	64.1
Ohio	1,863.4	1,921.7	1,736.4	1,810.0	1,681.7	1,879.8	5,563.0	3,687.9	1,799.1
Oklahoma	126.1	117.9	142.1	158.7	138.3	160.4	176.2	165.8	185.1
Oregon	226.5	229.4	279.2	283.4	308.2	319.6	348.6	408.1	468.2
Pennsylvania	1,794.4	2,566.5	1,983.4	2,394.2	1,921.2	1,893.7	1,886.5	1,907.1	2,357.6
Rhode Island	386.3	495.6	433.8	514.6	583.2	403.8	385.8	391.7	418.0
South Carolina	172.1	173.2	198.5	173.2	186.7	166.6	188.7	215.9	249.0
South Dakota	23.9	26.9	26.5	26.5	35.0	42.0	46.0	39.0	38.8
Tennessee	666.0	674.4	671.3	582.5	558.6	566.2	621.2	684.7	734.4
Texas	2,873.0	2,546.2	3,654.3	4,068.9	3,493.5	3,640.2	4,112.5	3,853.3	2,671.8
Utah	314.0	298.8	324.9	368.8	351.7	319.9	393.4	305.0	286.0
Vermont	51.3	62.1	48.5	53.0	47.1	49.9	57.7	61.7	72.0
Virginia	3,231.3	3,402.6	3,726.9	3,392.2	4,576.3	4,849.8	4,671.2	5,750.4	4,842.8
Washington	900.5	878.1	963.8	1,131.6	1,152.9	1,226.2	1,246.9	1,306.8	1,329.5
West Virginia	166.4	206.2	212.9	287.9	254.4	193.1	243.3	227.0	235.7
Wisconsin	307.7	350.8	358.3	338.5	331.4	332.2	333.0	377.8	420.8
Wyoming	41.4	48.2	36.8	35.4	37.5	28.4	33.5	35.2	35.1

See explanatory information, if any, and SOURCE at end of table.

Table C-110a. Federal obligations for research and development for selected agencies, by State: fiscal years 1992-2000

[Dollars in millions]

State	1992	1993	1994	1995	1996	1997	1998	1999	2000
Outlying areas	246.9	332.7	166.3	166.5	172.6	93.3	115.7	133.1	117.9
Puerto Rico	NA	NA	50.5	46.7	51.6	58.9	65.7	72.7	81.0
Other areas	NA	NA	115.8	119.8	121.0	34.3	50.0	60.4	36.9
Offices abroad	24.4	17.8	23.1	48.0	48.5	54.6	18.2	19.8	109.1

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

NOTES: Because of rounding, detail may not add to totals.

For each year, the data shown include the obligations of the 10 major R&D-supporting agencies which were required to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-111. Federal obligations for R&D plant for selected agencies, by State: fiscal years 1981-91

[Dollars in millions]

State	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total	1,454.4	1,380.1	1,280.9	1,770.6	1,774.7	1,482.5	1,793.8	2,025.1	2,144.3	2,230.1	2,807.0
Alabama	16.5	5.8	6.0	26.4	41.4	41.2	42.8	51.8	47.2	109.7	165.0
Alaska	-	-	21.3	.1	12.9	.0	.0	6.4	.0	11.1	.2
Arizona	.4	.4	5.4	3.6	2.9	1.7	19.6	21.8	18.1	2.5	16.4
Arkansas	.7	1.0	1.5	.5	.5	.9	.5	.4	3.1	2.2	5.3
California	355.4	334.6	368.4	316.8	404.2	323.5	290.7	429.0	446.7	459.0	377.8
Colorado	26.9	16.6	43.9	52.3	32.4	16.3	12.8	53.5	62.5	32.3	50.7
Connecticut	9.2	25.1	5.5	5.2	8.4	1.2	.4	1.0	1.4	1.8	2.6
Delaware	1.6	.1	.4	.6	.4	.4	.4	1.3	.2	-	-
District of Columbia	31.7	33.6	24.6	62.4	92.5	28.0	24.1	15.4	17.1	7.4	16.3
Florida	25.5	31.8	37.2	91.2	42.8	53.2	64.6	86.0	100.0	68.3	132.1
Georgia	1.6	1.5	2.1	3.8	2.6	15.6	23.1	2.7	10.8	3.6	6.0
Hawaii	.7	.1	1.6	.6	.9	.6	.6	6.9	.4	1.4	9.2
Idaho	11.9	21.4	19.7	11.9	8.3	24.7	17.8	39.6	12.0	30.3	46.0
Illinois	74.1	74.3	80.3	81.2	110.1	96.6	94.3	76.7	94.9	116.3	319.7
Indiana	.9	.6	1.3	2.8	4.5	.5	5.8	1.9	1.5	1.3	5.0
Iowa	2.1	2.2	2.7	3.5	1.4	3.3	22.7	3.8	6.2	10.4	26.1
Kansas	.1	.1	.2	.3	2.3	41.0	49.8	.1	1.6	3.1	5.2
Kentucky	4.3	1.4	.4	.3	.3	.3	1.7	.1	.5	.7	1.6
Louisiana	14.1	22.2	2.4	2.6	2.0	2.2	2.5	31.9	47.2	33.6	26.1
Maine	-	-	-	-	-	-	-	.3	.1	.7	.7
Maryland	52.3	82.2	80.8	180.1	145.4	78.6	109.8	79.2	120.1	178.9	235.9
Massachusetts	35.7	23.3	29.4	62.8	66.1	17.7	36.3	94.2	54.7	78.2	32.5
Michigan	9.5	7.8	1.1	6.4	5.1	1.2	1.4	4.4	4.6	6.6	3.0
Minnesota	.5	.4	.8	3.1	.8	1.1	.4	.7	1.8	1.1	2.1
Mississippi	3.4	5.9	6.4	13.7	12.6	13.5	39.1	19.1	41.1	47.4	50.8
Missouri	1.8	5.7	6.0	3.9	3.7	4.7	4.8	2.7	3.7	1.9	6.5
Montana	.1	.1	.2	.2	.2	.2	.2	.2	.2	.5	1.6
Nebraska	.6	.7	.5	.7	.4	7.3	1.4	4.1	2.8	4.1	6.0
Nevada	82.9	30.0	33.0	108.4	155.2	69.9	87.0	103.3	69.3	61.1	57.7
New Hampshire	7.7	.1	.7	.1	.4	.3	.2	-	.2	.3	.3
New Jersey	55.7	57.0	42.0	52.7	40.1	37.6	39.8	52.6	46.8	51.3	30.0
New Mexico	119.3	196.6	191.8	102.3	243.7	192.0	256.6	231.4	239.6	197.9	175.5
New York	85.1	65.0	77.0	175.0	75.3	105.0	113.4	115.3	101.6	100.6	107.2
North Carolina	1.2	1.4	4.1	3.6	10.4	2.2	3.4	.9	4.3	3.4	7.4
North Dakota	1.4	1.2	.9	.9	1.3	8.8	.8	9.2	6.0	7.4	9.0
Ohio	65.2	23.7	7.5	49.6	46.5	19.2	58.1	68.5	69.8	56.3	115.4
Oklahoma	2.7	1.2	1.3	.9	1.7	2.3	.9	10.7	4.5	1.5	3.3
Oregon	1.0	.1	.2	3.4	1.2	12.0	24.7	8.6	30.1	12.3	3.3
Pennsylvania	95.2	51.1	19.2	20.1	18.7	19.0	41.4	56.3	79.0	36.0	89.5
Rhode Island	1.6	2.1	1.9	.7	31.6	5.5	6.4	2.0	1.6	.8	14.3
South Carolina	18.8	65.2	49.6	146.4	7.5	5.7	19.6	8.2	8.9	3.7	31.9
South Dakota	.7	.9	.2	.1	.1	-	.1	.6	.3	1.7	2.0
Tennessee	85.5	65.2	27.3	69.9	33.8	30.8	29.3	57.2	58.8	62.4	63.2
Texas	13.9	10.2	4.7	9.6	19.4	79.7	75.1	40.7	97.6	210.6	218.0
Utah	1.5	3.1	.5	2.0	2.4	13.6	14.2	6.8	12.1	2.5	3.5
Vermont	-	.0	.0	.0	.0	.0	1.0	8.0	1.4	.4	.8
Virginia	33.9	21.1	29.4	52.2	26.7	45.5	89.4	105.5	127.4	128.7	175.5
Washington	89.0	80.8	12.0	13.6	32.7	26.4	24.8	31.2	35.5	44.2	34.5
West Virginia	3.7	1.1	23.3	4.8	11.4	10.2	16.5	23.2	26.7	12.4	89.4
Wisconsin	3.0	1.0	1.9	10.2	5.6	2.7	4.0	2.0	4.0	4.4	13.0
Wyoming	2.0	1.2	.1	.3	.1	.1	.3	.2	.1	.2	.7

See explanatory information, if any, and SOURCE at end of table.

Table C-111. Federal obligations for R&D plant for selected agencies, by State: fiscal years 1981-91

[Dollars in millions]

State	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Outlying areas	0.7	0.5	0.2	3.3	1.4	13.9	18.2	46.5	1.5	14.9	11.0
Offices abroad	1.3	1.4	1.7	3.5	2.3	4.5	1.0	.9	16.8	.3	.5

KEY: - = Amount less than 50 thousand dollars

NOTES: Because of rounding, detail may not add to totals.

For each year, the data shown include the obligations of the 10 major R&D-supporting agencies which were required to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table C-111a. Federal obligations for R&D plant for selected agencies, by State: fiscal years 1992-2000

[Dollars in millions]

State	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total	2,962.9	3,054.5	2,196.2	2,210.8	1,736.6	1,891.1	1,809.8	2,042.3	4,489.3
Alabama	346.1	368.2	94.1	44.1	48.9	43.4	38.6	66.6	210.6
Alaska	.8	1.0	88.0	1.4	.2	3.0	.0	.0	.3
Arizona	7.9	16.9	20.8	42.7	3.0	1.9	7.5	1.1	4.1
Arkansas	4.4	3.3	3.9	3.9	12.5	14.1	18.5	3.0	3.2
California	356.1	469.6	209.5	414.0	341.2	418.9	426.4	467.7	503.0
Colorado	55.6	30.0	36.9	31.2	28.4	52.6	63.3	43.2	34.6
Connecticut	2.6	14.4	3.8	5.2	3.6	5.2	2.6	2.3	91.0
Delaware	.1	2.1	1.1	1.9	2.0	2.4	.8	1.1	.3
District of Columbia	17.8	13.3	11.2	3.0	4.6	7.0	13.2	53.7	30.0
Florida	143.1	73.5	101.7	40.6	65.3	66.1	66.4	56.2	238.3
Georgia	6.4	3.5	5.3	12.4	4.6	5.2	3.8	8.5	9.2
Hawaii	6.5	19.3	14.3	.5	1.7	3.0	1.5	9.3	1.8
Idaho	39.6	27.4	12.5	8.9	19.2	26.2	11.5	8.2	27.2
Illinois	183.9	201.6	208.5	190.0	147.3	134.3	152.6	151.5	143.1
Indiana	8.4	22.6	4.1	4.8	15.2	7.9	3.1	6.7	12.2
Iowa	5.2	7.9	10.1	15.5	10.1	8.9	7.2	6.2	8.1
Kansas	2.5	10.1	10.6	1.2	1.5	1.4	.6	4.0	3.0
Kentucky	.0	.0	3.9	4.7	2.4	.4	.0	.1	2.6
Louisiana	26.2	29.5	21.0	21.5	26.5	18.6	30.4	28.8	11.7
Maine	1.5	1.0	1.9	.7	.2	.3	1.6	1.5	1.5
Maryland	229.7	264.6	196.2	390.3	240.2	299.6	304.2	302.2	352.4
Massachusetts	20.2	22.3	15.8	23.1	14.1	12.1	10.7	20.3	41.6
Michigan	9.1	21.7	4.5	3.7	6.3	5.0	3.0	5.9	5.9
Minnesota	2.5	3.0	17.2	5.1	6.3	2.6	3.5	7.2	3.7
Mississippi	41.6	42.2	31.9	36.5	32.8	38.8	47.6	26.8	20.7
Missouri	1.7	1.5	4.7	4.6	4.4	5.7	4.0	1.8	3.1
Montana	2.7	1.6	3.6	4.9	5.8	9.6	2.0	1.4	2.4
Nebraska	5.7	1.0	1.0	2.3	1.0	.8	.9	.9	3.4
Nevada	59.7	50.2	26.9	38.5	16.1	1.0	2.9	14.7	6.2
New Hampshire	4.0	.8	.3	.0	.6	2.3	.3	.5	4.1
New Jersey	39.0	53.2	45.3	34.9	26.7	29.9	32.1	30.8	46.4
New Mexico	164.7	181.4	152.6	133.8	77.5	124.8	113.9	99.8	122.2
New York	194.5	177.7	186.1	159.1	164.6	152.2	122.1	89.0	113.6
North Carolina	6.8	36.6	40.0	25.7	20.5	27.4	30.4	38.0	7.7
North Dakota	7.4	5.5	5.8	4.9	1.5	3.7	3.2	2.3	1.1
Ohio	122.2	64.1	128.1	147.5	67.5	49.7	91.2	108.1	68.7
Oklahoma	4.1	1.0	1.9	2.8	3.2	6.7	2.6	7.8	3.5
Oregon	1.8	13.8	6.5	5.2	8.1	5.9	3.2	8.9	4.0
Pennsylvania	52.0	95.7	72.2	35.4	51.3	40.8	17.9	28.0	63.3
Rhode Island	1.9	.6	.6	7.3	3.9	4.6	9.7	15.4	2.9
South Carolina	4.1	4.9	14.7	2.7	2.2	10.3	1.0	18.5	18.2
South Dakota	1.5	1.0	5.6	4.3	3.0	.4	.6	.2	2.2
Tennessee	48.1	29.5	77.4	37.1	22.9	38.7	28.8	135.4	128.9
Texas	465.7	429.1	56.6	84.2	56.5	62.8	35.8	44.1	2,014.2
Utah	1.5	3.5	6.7	4.6	2.6	2.8	1.5	1.2	1.8
Vermont	.0	.1	.6	.0	2.2	.5	.1	.5	2.1
Virginia	172.4	131.0	126.6	81.1	69.7	56.6	53.7	61.3	60.6
Washington	54.3	71.6	71.5	64.3	71.8	64.8	12.1	14.9	12.1
West Virginia	9.7	8.4	4.8	5.4	2.6	2.8	12.6	25.0	18.4
Wisconsin	10.2	8.0	24.6	9.6	3.0	2.0	1.1	3.2	10.5
Wyoming	1.8	.6	1.8	1.5	.5	.6	.7	.3	.9

See explanatory information, if any, and SOURCE at end of table.

Table C-111a. Federal obligations for R&D plant for selected agencies, by State: fiscal years 1992-2000

[Dollars in millions]

State	1992	1993	1994	1995	1996	1997	1998	1999	2000
Outlying areas	6.9	13.1	0.5	1.4	8.3	4.3	3.1	7.5	5.6
Puerto Rico	NA	NA	.4	.3	.3	.4	2.2	1.3	3.2
Other areas	NA	NA	-	1.1	8.1	3.9	.9	6.2	2.4
Offices abroad	.6	.6	.7	1.3	.5	.3	3.9	.5	.7

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

NOTES: Because of rounding, detail may not add to totals.

For each year, the data shown include the obligations of the 10 major R&D-supporting agencies which were required to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

APPENDIX A.

AGENCIES INCLUDED IN THIS SURVEY, VOLUMES 31 TO 50

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Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 31–40

Agency	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	X	X	X	X	X	X	X	X	X	X
Agricultural Marketing Service	X	X	X	X	X	X	X	X	X	X
Agricultural Research Service	X	X	X	X	X	X	X	X	X	X
Agricultural Stabilization & Conservation Service	O	O	O	O	O	O	O	O	O	O
Animal & Plant Health Inspection Service	O	O	O	O	O	X	X	X	X	X
Cooperative State Research, Education, & Extension Service	X	X	X	X	X	X	X	X	X	X
Economic Research Service	X	X	X	X	X	X	X	X	X	X
Economics, Statistics, & Cooperative Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	N	N	N	N	N	N	N	N	N	N
Farmer Cooperative Service	N	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	N
Economics & Statistics Service	N	N	N	N	N	N	N	N	N	N
Food Safety Inspection Service	O	O	O	O	O	O	O	O	O	O
Foreign Agricultural Service	N	N	N	O	O	O	O	O	O	O
Forest Service	X	X	X	X	X	X	X	X	X	X
Grain Inspection Packers & Stockyards Administration	O	O	O	O	X	X	X	X	X	X
Human Nutrition Information Service	X	X	X	X	X	X	X	X	X	X
National Agricultural Statistics Service	X	X	X	X	X	X	X	X	X	X
Natural Resources Conservation Service	O	O	O	O	O	O	O	O	O	O
Office of International Cooperation & Development	X	X	X	X	X	X	X	X	X	X
Office of Transportation	X	X	X	X	X	X	X	X	N	N
Rural Business-Cooperative Service	N	N	N	N	N	N	N	N	N	N
Rural Development Service	N	N	N	N	N	N	N	N	N	N
Science & Education Administration	N	N	N	N	N	N	N	N	N	N
Agricultural Research Service	N	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	N	N	N	N	N	N	N	N	N	N
National Agricultural Library	N	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X	X
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	N	N	N	N	N
Minority Business Development Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Standards & Technology	X	X	X	X	X	X	X	X	X	X
National Oceanic & Atmospheric Administration	X	X	X	X	X	X	X	X	X	X
National Technical Information Service	O	O	O	O	O	O	O	O	O	O
National Telecommunications & Information Administration	X	X	X	X	X	X	X	X	X	X
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Telecommunications	N	N	N	N	N	N	N	N	N	N
Patent & Trademark Office	X	X	O	O	O	O	O	O	O	O
United States Travel & Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Defense Agencies	X	X	X	X	X	X	T	T	T	T
Ballistic Missile Defense Organization	O	O	O	O	O	O	O	O	O	X
Chemical and Biological Defense	N	N	N	N	N	N	N	N	N	N
Defense Advanced Research Projects Agency	O	O	O	O	O	O	O	O	O	X
Defense Information Systems Agency	O	O	O	O	O	O	O	O	O	X
Defense Logistics Agency	O	O	O	O	O	O	O	O	O	X
Defense Special Weapons Agency	O	O	O	O	O	O	O	O	O	X
Defense Threat Reduction Agency	N	N	N	N	N	N	N	N	N	N
Joint Staff	O	O	O	O	O	O	O	O	O	X
National Imagery & Mapping Agency	X	X	O	X	X	O	O	O	O	X
Special Operations Command	O	O	X	X	X	O	O	O	O	X
TRICARE Management Activity	N	N	N	N	N	N	N	N	N	N
Uniformed Services University of the Health Sciences	O	O	O	O	O	O	O	O	O	X
Washington Headquarters Services	X	X	X	X	X	O	O	O	O	X

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 31–40

Agency	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40
Department of Defense—continued										
Department of the Air Force	X	X	X	X	X	X	X	X	X	X
DT&E Support from Operations & Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	X	X	X	X	X	O	O	O	O	O
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	O	O	O	O	O
RDT&E Appropriation	X	X	X	X	X	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Department of the Army	T	T	T	T	T	T	T	T	T	T
Department of the Army, Civil Functions	X	X	X	X	X	X	X	X	X	X
Department of the Army, Military Functions	X	X	X	X	X	X	X	X	X	X
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	X	X	X	X	X	O	O	O	O	O
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	O	O	O	O	O
RDT&E Appropriation	X	X	X	X	X	O	O	O	O	O
Special Foreign Currency Program	O	O	X	X	X	O	O	O	O	O
Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Department of the Navy	X	X	X	X	X	X	X	X	X	X
DT&E Support from Operations & Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	X	X	X	X	X	O	O	O	O	O
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	O	O	O	O	O
RDT&E Appropriation	X	X	X	X	X	O	O	O	O	O
Special Foreign Currency Program	X	X	X	X	X	O	O	O	O	O
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N	N
Health Affairs, Assistant Secretary of Defense for	N	N	N	N	N	N	N	N	N	N
Operational Test & Evaluation, Director	N	N	N	N	N	X	X	X	X	X
Test & Evaluation, Deputy Under Secretary of Defense	X	X	X	X	X	X	X	X	X	X
Department of Education	X	X	X	X	X	X	X	X	X	X
Department of Energy	X	X	X	X	X	X	X	X	X	X
Department of Health, Education, & Welfare	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Center for Disease Control	N	N	N	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N	N
Food & Drug Administration	N	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Health Services & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N	N
Office of the Assistant Secretary for Health	N	N	N	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N	N
Social & Rehabilitation Service	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Department of Health & Human Services	T	T	T	T	T	T	T	T	T	T
Administration on Aging	N	N	N	N	N	N	N	N	N	N
Administration for Children & Families	N	N	N	N	N	N	N	N	N	N
Agency for Healthcare Research & Quality	N	N	N	N	N	N	N	N	N	X
Agency for Toxic Substances and Disease Registry	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration	X	X	X	X	X	X	X	X	X	X
Centers for Disease Control & Prevention	X	X	X	X	X	X	X	X	X	X
Food & Drug Administration	X	X	X	X	X	X	X	X	X	X
Health Care Financing Administration	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 31–40

Agency	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40
Department of Health & Human Services—continued										
Health Resources Administration	X	N	N	N	N	N	N	N	N	N
Health Resources & Services Administration	N	X	X	X	X	X	X	X	X	X
Health Services Administration	X	N	N	N	N	N	N	N	N	N
Human Development Services	X	X	X	X	X	X	X	X	X	X
National Institutes of Health	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary, Planning & Evaluation	N	N	N	N	N	N	N	N	N	N
Office of Public Health & Science	N	N	N	N	N	N	N	N	N	N
Social Security Administration	X	X	X	X	X	X	X	X	X	X
Substance Abuse & Mental Health Services Administration	N	N	N	N	N	N	N	N	N	N
Department of Housing & Urban Development	X	X	X	X	X	X	X	X	X	X
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	X	N	N	N	N	N	N	N	N	N
Bureau of Land Management	X	X	X	X	X	X	X	X	X	X
Bureau of Mines	X	X	X	X	X	X	X	X	X	X
Bureau of Reclamation	X	X	X	X	X	X	X	X	X	X
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Geological Survey	X	X	X	X	X	X	X	X	X	X
Heritage Conservation & Recreation Service	N	N	N	N	N	N	N	N	N	N
Minerals Management Service	N	X	X	X	X	X	X	X	X	X
National Biological Service	N	N	N	N	N	N	N	N	N	N
National Park Service	X	X	X	X	X	X	X	X	X	X
National Resources Library	N	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Surface Mining Reclamation & Enforcement	X	X	X	X	X	X	X	X	X	X
Office of Water Research & Technology	X	X	X	X	N	N	N	N	N	N
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N
United States Fish & Wildlife Service	X	X	X	X	X	X	X	X	X	X
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries & Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	X	X	X	X	X	X	X	X
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X	X
Immigration & Naturalization Service	X	X	X	X	X	X	X	X	X	X
Office of Justice Programs	X	X	X	X	X	X	X	X	X	X
Office of Legal Policy	X	X	X	X	X	X	X	O	O	O
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship & Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X	X
Employment Standards Administration	X	X	X	X	X	X	X	X	X	X
Employment & Training Administration	X	X	X	X	X	X	X	X	X	X
Labor-Management Relations & Cooperative Programs	N	N	N	X	X	X	X	X	X	N
Labor-Management Services Administration	X	X	X	N	N	N	N	N	N	N
Occupational Safety & Health Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	X	X	X	X	X	X	X	X	X	X
Pension & Welfare Benefits Administration	N	N	N	X	X	X	X	X	X	X
Wage & Hour Division	O	O	O	O	O	O	O	O	O	O
Post Office Department	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 31–40

Agency	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40
Department of State	T	X	X	X	X	X	X	X	X	X
Agency for International Development	N	N	N	N	N	N	N	N	N	N
Bureau of Intelligence & Research	O	O	O	O	O	O	O	O	O	O
Departmental Funds	X	O	O	O	O	O	O	O	O	O
Peace Corps	O	O	O	O	O	O	O	O	O	O
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	X	X	X	X	X	X	X	X	X	X
Federal Aviation Administration	X	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X	X
Federal Motor Carrier Safety Administration	N	N	N	N	N	N	N	N	N	N
Federal Railroad Administration	X	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	N	N	N	N	N	N	N
Maritime Administration	X	X	X	X	X	X	X	X	O	X
Materials Transportation Bureau	O	O	O	O	O	O	O	O	O	O
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Research & Special Programs Administration	X	X	X	X	X	X	X	X	X	X
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, & Firearms	X	N	N	N	N	N	N	N	N	N
Bureau of Engraving & Printing	X	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	O	O	O	O	O	O	O	O	O	O
Internal Revenue Service	X	X	X	X	X	X	X	X	X	X
Office of Thrift Supervision	N	N	N	N	N	N	N	N	N	O
United States Customs Service	X	X	X	X	X	X	X	X	X	X
United States Mint	O	O	O	X	X	X	X	X	X	X
United States Secret Service	X	X	X	X	X	X	X	X	X	X
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X	X
Other agencies										
ACTION	O	O	O	O	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	X	X	X	X	X	X	X	X	X	X
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X	X
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Broadcasting Board of Directors	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N	N
Civil Service Commission	N	N	N	N	N	N	N	N	N	N
Community Services Administration	X	N	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	X	X	X	X	X	X	X	X	X	X
Energy Research & Development Administration	N	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	X	X	X	X	X	O	O	O	O	O
Defense Civil Preparedness Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	O	O	O	O	O	O	O	O	O	O
Federal Energy Administration	N	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X	X
Foundation for Educational Assistance	X	N	N	N	N	N	N	N	N	N
General Services Administration	X	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	T	T	T	T	T	T	T	T	T	T
Agency for International Development	X	X	X	X	X	X	X	X	X	X
Institute for Scientific & Technological Cooperation	O	O	O	O	O	O	O	O	O	O
Interstate Commerce Commission	O	O	O	O	O	O	O	O	O	O
Library of Congress	X	X	X	X	X	X	X	X	X	X
National Aeronautics & Space Administration	X	X	X	X	X	X	X	X	X	X
National Archives & Records Administration	N	N	N	N	X	X	X	X	X	X
National Science Foundation	X	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X	X
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 31–40

Agency	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	X	O	O	O	O	O	O	O	O	O
Office of Science & Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	X	X	X	X	X	X	X	X	X	X
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	O	O	O	O	O	O	O	O	O	O
Smithsonian Institution	X	X	X	X	X	X	X	X	X	X
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	X	X	X	X	X	X	X
United States Arms Control & Disarmament Agency	X	X	X	X	X	X	X	X	X	X
United States Commission on Civil Rights	O	O	O	O	O	O	O	O	O	O
United States Information Agency	X	X	X	X	X	X	X	X	X	X
United States International Trade Commission	X	X	X	X	X	X	X	X	X	X

NOTE: Federal funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the current fiscal year and the budget year. For Volume 50 (see table A-2), for example, actual data were collected for FY 2000 and estimates were collected for FYs 2001 and 2002.

KEY:
N = The agency did not exist as such; therefore, no data are available.
O = The agency existed but had no R&D to report.
T = The agency existed but data were not collected at this level.
X = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 41–50

Agency	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49	Vol 50
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	X	X	X	X	N	N	N	N	N	N
Agricultural Marketing Service	X	X	X	X	X	X	X	X	X	X
Agricultural Research Service	X	X	X	X	X	X	X	X	X	X
Agricultural Stabilization & Conservation Service	O	O	O	O	N	N	N	N	N	N
Animal & Plant Health Inspection Service	X	X	X	X	X	X	X	X	X	X
Cooperative State Research, Education, & Extension Service	X	X	X	X	X	X	X	X	X	X
Economic Research Service	X	X	X	X	X	X	X	X	X	X
Economics, Statistics, & Cooperative Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	N	N	N	N	N	N	N	N	N	N
Farmer Cooperative Service	N	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	N
Economics & Statistics Service	N	N	N	N	N	N	N	N	N	N
Food Safety Inspection Service	O	O	O	O	O	X	X	X	X	X
Foreign Agricultural Service	O	O	X	X	X	X	X	X	X	X
Forest Service	X	X	X	X	X	X	X	X	X	X
Grain Inspection Packers & Stockyards Administration	X	X	X	X	X	X	X	X	X	X
Human Nutrition Information Service	X	X	X	X	N	N	N	N	N	N
National Agricultural Statistics Service	X	X	X	X	X	X	X	X	X	X
Natural Resources Conservation Service	O	O	O	O	O	O	O	O	O	O
Office of International Cooperation & Development	X	X	X	X	N	N	N	N	N	N
Office of Transportation	N	N	N	N	N	N	N	N	N	N
Rural Business-Cooperative Service	N	N	N	X	X	X	X	X	X	X
Rural Development Service	N	N	N	N	N	N	N	N	N	N
Science & Education Administration	N	N	N	N	N	N	N	N	N	N
Agricultural Research Service	N	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	N	N	N	N	N	N	N	N	N	N
National Agricultural Library	N	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X	X
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	N	N	N	N	N
Minority Business Development Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Standards & Technology	X	X	X	X	X	X	X	X	X	X
National Oceanic & Atmospheric Administration	X	X	X	X	X	X	X	X	X	X
National Technical Information Service	O	O	O	O	O	O	O	O	O	O
National Telecommunications & Information Administration	X	X	X	X	X	X	X	X	X	X
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	O	O	O
Office of Telecommunications	N	N	N	N	N	N	N	N	N	N
Patent & Trademark Office	O	O	O	O	O	O	O	O	O	O
United States Travel & Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Defense Agencies	T	T	T	T	T	T	T	T	T	T
Ballistic Missile Defense Organization	X	X	X	X	X	X	X	X	X	X
Chemical and Biological Defense	N	N	N	N	N	N	N	N	N	X
Defense Advanced Research Projects Agency	X	X	X	X	X	X	X	X	X	X
Defense Information Systems Agency	X	X	X	X	X	X	X	X	X	X
Defense Logistics Agency	X	X	X	X	X	X	X	X	X	X
Defense Special Weapons Agency	X	X	X	X	X	X	X	O	O	O
Defense Threat Reduction Agency	N	N	N	N	N	N	N	X	X	X
Joint Staff	X	X	X	X	X	X	X	X	X	X
National Imagery & Mapping Agency	X	X	X	X	X	O	O	O	O	O
Special Operations Command	X	X	X	X	X	X	X	X	X	X
TRICARE Management Activity	N	N	N	N	N	N	N	N	N	X
Uniformed Services University of the Health Sciences	X	X	X	X	N	N	N	N	N	N
Washington Headquarters Services	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 41–50

Agency	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49	Vol 50
Department of Defense—continued										
Department of the Air Force	X	X	X	X	X	X	X	X	X	X
DT&E Support from Operations & Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O	O
Pay & Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Department of the Army	T	T	T	T	T	T	T	T	T	T
Department of the Army, Civil Functions	X	X	X	X	X	X	X	X	X	X
Department of the Army, Military Functions	X	X	X	X	X	X	X	X	X	X
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O	O
Pay & Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Department of the Navy	X	X	X	X	X	X	X	X	X	X
DT&E Support from Operations & Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O	O
Pay & Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N	N
Health Affairs, Assistant Secretary of Defense for	X	O	O	O	O	O	O	O	O	O
Operational Test & Evaluation, Director	X	X	X	X	X	X	X	X	X	X
Test & Evaluation, Deputy Under Secretary of Defense	X	X	X	X	X	X	X	X	X	X
Department of Education	X	X	X	X	X	X	X	X	X	X
Department of Energy	X	X	X	X	X	X	X	X	X	X
Department of Health, Education, & Welfare	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Center for Disease Control	N	N	N	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N	N
Food & Drug Administration	N	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Health Services & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N	N
Office of the Assistant Secretary for Health	N	N	N	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N	N
Social & Rehabilitation Service	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Department of Health & Human Services	T	T	T	T	T	T	T	T	T	T
Administration on Aging	X	X	X	X	X	X	X	X	X	X
Administration for Children & Families	X	X	X	X	X	X	X	X	X	X
Agency for Healthcare Research & Quality	X	X	X	X	X	X	X	X	X	X
Agency for Toxic Substances and Disease Registry	N	N	N	N	N	N	N	N	N	X
Alcohol, Drug Abuse, & Mental Health Administration	X	N	N	N	N	N	N	N	N	N
Centers for Disease Control & Prevention	X	X	X	X	X	X	X	X	X	X
Food & Drug Administration	X	X	X	X	X	X	X	X	X	X
Health Care Financing Administration	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 41–50

Agency	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49	Vol 50
Department of Health & Human Services—continued										
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Resources & Services Administration	X	X	X	X	X	X	X	X	X	X
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Human Development Services	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health	X	X	X	X	X	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	T	T	T	T	T
Office of the Assistant Secretary, Planning & Evaluation	N	N	N	N	N	X	X	X	X	X
Office of Public Health & Science	N	N	N	N	N	X	X	X	X	X
Social Security Administration	X	X	X	X	X	N	N	N	N	N
Substance Abuse & Mental Health Services Administration	N	N	N	N	N	X	X	X	X	X
Department of Housing & Urban Development	X	X	X	X	X	X	X	X	X	X
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Land Management	X	X	X	O	O	O	O	O	O	O
Bureau of Mines	X	X	X	X	O	N	N	N	N	N
Bureau of Reclamation	X	X	X	X	X	X	X	X	X	X
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Geological Survey	X	X	X	X	X	X	X	X	X	X
Heritage Conservation & Recreation Service	N	N	N	N	N	N	N	N	N	N
Minerals Management Service	X	X	X	X	X	X	X	X	X	X
National Biological Service	N	N	X	X	X	N	N	N	N	N
National Park Service	X	X	X	X	X	X	X	X	X	X
National Resources Library	N	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	O	O	O	O	O
Office of Surface Mining Reclamation & Enforcement	X	X	X	X	O	O	O	O	O	O
Office of Water Research & Technology	N	N	N	N	N	N	N	N	N	N
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N
United States Fish & Wildlife Service	X	X	X	O	O	O	O	O	O	O
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries & Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	X	X	X	X	X	O	O	O
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X	X
Immigration & Naturalization Service	X	X	X	X	X	X	X	X	X	X
Office of Justice Programs	X	X	X	X	X	X	X	X	X	X
Office of Legal Policy	O	O	O	O	O	O	O	O	O	O
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship & Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X	X
Employment Standards Administration	O	O	O	O	O	O	O	O	O	O
Employment & Training Administration	X	X	X	X	X	X	X	X	X	X
Labor-Management Relations & Cooperative Programs	N	N	N	N	N	N	N	N	N	N
Labor-Management Services Administration	N	N	N	N	N	N	N	N	N	N
Occupational Safety & Health Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	X	X	X	X	X	X	X	X	X	X
Pension & Welfare Benefits Administration	X	X	X	X	X	X	X	X	X	X
Wage & Hour Division	O	O	O	O	O	O	O	O	O	O
Post Office Department	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 41–50

Agency	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49	Vol 50
Department of State	X	X	X	X	X	X	X	X	X	X
Agency for International Development	N	N	N	N	N	N	N	N	N	N
Bureau of Intelligence & Research	O	O	O	O	O	O	O	O	O	O
Departmental Funds	O	O	O	O	O	O	O	O	O	O
Peace Corps	O	O	O	O	O	O	O	O	O	O
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	X	X	X	X	X	X	X	X	X	X
Federal Aviation Administration	X	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X	X
Federal Motor Carrier Safety Administration	N	N	N	X	N	N	N	N	N	X
Federal Railroad Administration	X	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	X	N	N	N	N	N	N
Maritime Administration	X	X	X	X	X	O	O	O	O	O
Materials Transportation Bureau	O	O	O	O	O	O	O	O	O	O
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Research & Special Programs Administration	X	X	X	X	X	X	X	X	X	X
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, & Firearms	N	N	N	N	N	N	N	N	N	N
Bureau of Engraving & Printing	X	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	X	X	X	O	O	O	O	O	O	O
Internal Revenue Service	X	X	X	X	X	X	X	X	X	X
Office of Thrift Supervision	X	X	X	X	X	X	X	X	X	X
United States Customs Service	X	X	X	X	X	X	X	X	X	X
United States Mint	X	X	X	X	X	X	X	X	X	X
United States Secret Service	X	X	X	X	X	X	X	X	X	X
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X	X
Other agencies										
ACTION	O	O	O	O	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	X	X	X	X	X	N	N	N	N	N
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X	X
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Broadcasting Board of Governors	N	N	N	N	N	N	N	N	N	X
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N	N
Civil Service Commission	N	N	N	N	N	N	N	N	N	N
Community Services Administration	N	N	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	X	X	X	X	X	X	X	X	O	O
Energy Research & Development Administration	N	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	O	O	O	O	O	O	O	O	O	O
Defense Civil Preparedness Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	O	O	O	O	O	O	O	O	O	O
Federal Energy Administration	N	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X	X
Foundation for Educational Assistance	N	N	N	N	N	N	N	N	N	N
General Services Administration	X	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	T	T	T	T	T	T	T	T	T	T
Agency for International Development	X	X	X	X	X	X	X	X	X	X
Institute for Scientific & Technological Cooperation	O	O	O	O	O	O	O	O	O	O
Interstate Commerce Commission	O	O	O	O	O	O	O	O	O	O
Library of Congress	X	X	X	X	X	X	X	X	X	X
National Aeronautics & Space Administration	X	X	X	X	X	X	X	X	X	X
National Archives & Records Administration	X	X	X	X	X	X	X	X	X	X
National Science Foundation	X	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X	X
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 41–50

Agency	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49	Vol 50
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	O	O	O	O	O	O	O	O	O	O
Office of Science & Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	N	N	N	N	N	N	N	N	N	N
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	O	O	O	O	O	O	O	O	O	O
Smithsonian Institution	X	X	X	X	X	X	X	X	X	X
Social Security Administration	N	N	N	N	N	X	X	X	X	X
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	X	X	X	X	X	O	O
United States Arms Control & Disarmament Agency	X	X	X	X	X	X	X	X	N	N
United States Commission on Civil Rights	O	O	O	O	O	O	O	O	O	O
United States Information Agency	X	X	X	X	X	X	X	X	X	N
United States International Trade Commission	X	X	X	X	X	X	X	X	X	O

NOTE: Federal funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the
fiscal year and the budget year. For Volume 50, for example, actual data were collected for FY 2000 and estimates were collected for FYs 2001 and 2002.

KEY: N = The agency did not exist as such; therefore, no data are available.
O = The agency existed but had no R&D to report.
T = The agency existed but data were not collected at this level.
X = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002

Appendix B.

Notes Associated with Agencies Included in This Survey, Volumes 31 to 50

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 31-50

Department of Agriculture	
Agricultural Cooperative Service	
Agricultural Marketing Service	Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
Agricultural Research Service	The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
Agricultural Stabilization & Conservation Service	The Agricultural Stabilization & Conservation Service was abolished as of Oct. 20, 1994.
Animal & Plant Health Inspection Service	
Cooperative State Research, Education, & Extension Service	The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
Economic Research Service	Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977–79. Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.
Economics, Statistics, & Cooperative Service	Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977–79.
Economics & Statistics Service	Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.
Food Safety Inspection Service	
Foreign Agricultural Service	The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
Forest Service	
Grain Inspection Packers & Stockyards	The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
Human Nutrition Information Service	The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
National Agricultural Statistics Service	
Office of International Cooperation & Development	The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
Office of Transportation	Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
Rural Business-Cooperative Service	This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
Science & Education Administration	
Agricultural Research Service	
Cooperative State Research Service	
Department of Commerce	
Bureau of the Census	
Economic Development Administration	
Maritime Administration	In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.
Minority Business Development Agency	
National Fire Prevention & Control	Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.
National Institute of Standards & Technology	
National Oceanic & Atmospheric Administration	

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 31-50

National Telecommunications & Information Administration	
Office of the Secretary	
Patent & Trademark Office	
Department of Defense	Beginning with Volume 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "university and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching. Beginning with Volume 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems. Geographic data for these categories are not reported; therefore, geographic tables show only total development. Not all Department of Defense (DoD) agencies with development obligations are able to categorize them according to the advanced technology and major systems development breakdown. Therefore, in the Volume 46 survey cycle, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.
Defense Agencies	
Ballistic Missile Defense Organization	
Chemical and Biological Defense	Prior to FY 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services.
Defense Advanced Research Projects	This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
Defense Information Systems Agency	
Defense Logistics Agency	
Defense Special Weapons Agency	The Defense Nuclear Agency was renamed the Defense Special Weapons Agency in 1996, as a result of a new charter and an expanded mission. The Defense Threat Reduction Agency (DTRA) was established on October 1, 1998. DTRA was formed through a merger of elements of the Office of the Secretary of Defense staff, the Defense Technology Security Administration, the Defense Special Weapons Agency, and the On-site Inspection Agency.
Defense Threat Reduction Agency	The Defense Threat Reduction Agency (DTRA) was established on October 1, 1998. DTRA was formed through a merger of elements of the Office of the Secretary of Defense staff, the Defense Technology Security Administration, the Defense Special Weapons Agency, and the On-site Inspection Agency.
Joint Staff	The name of this agency changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.
National Imagery & Mapping Agency	The Defense Mapping Agency merged with the newly created National Imagery & Mapping Agency on October 1, 1996.
Special Operations Command	
TRICARE Management Activity	TRICARE Management Activity oversees the delivery of healthcare to active duty and retired members of the uniformed services and their family members and survivors.
Uniformed Services University of the Health Sciences	Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
Washington Headquarters Services	Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45. Public Law No. 103-160, Section 1703 makes the Office of the Secretary of Defense responsible for the Chemical and Biological Defense Program (CBDP). Section 1701 requires the creation of CBDP research, development, test, and evaluation program elements established in the fiscal year 1996-97 President's Budget. Data for these new program elements are included in the Federal funds survey as of Vol. 46. Washington Headquarters Services' basic research data were revised in Volume 47 to reflect changes that were not incorporated in Volume 46. Prior to FY 2000, Chemical and Biological Defense's R&D was reported with the Washington Headquarters Services. Headquarters Services.

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 31-50

Defense Civil Preparedness Agency	Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.
Department of the Air Force	
Department of the Army	
Department of the Army, Civil Functions	The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown
Department of the Army, Military Functions	
Department of the Navy	
Health Affairs, Assistant Secretary of Defense for	
Operational Test & Evaluation, Director	On June 7, 1999, the Secretary of Defense approved the disestablishment of the Office of the Director, Test, Systems Engineering and Evaluation (DTSE&E). As a result of the restructure, the Director, Operational Test and Evaluation (DOT&E), has assumed management responsibility for the Central Test and Evaluation Investment Program (CTEIP) and the Test and Evaluation (T&E) Program, excluding the Joint Test and Evaluation (JTE) Program.
Test & Evaluation, Deputy Under Secretary of Defense	On June 7, 1999, the Secretary of Defense approved the disestablishment of the Office of the Director, Test, Systems Engineering and Evaluation (DTSE&E). As a result of the restructure, the Director, Operational Test and Evaluation (DOT&E), has assumed management responsibility for the Central Test and Evaluation Investment Program (CTEIP) and the Test and Evaluation (T&E) Program, excluding the Joint Test and Evaluation (JTE) Program.
Department of Education	
Department of Energy	In 1977 the Energy Research & Development Administration became part of the Department of Energy. In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy. In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.
Department of Health, Education, & Welfare	
Alcohol, Drug Abuse, & Mental Health Administration	
Center for Disease Control	
Food & Drug Administration	
Health Care Financing Administration	
Health Resources Administration	
Health Services Administration	
National Institute of Education	
National Institutes of Health	
Office of Assistant Secretary for Education	
Office of the Assistant Secretary for Health	
Office of Education	
Office of Human Development Services	
Office of the Secretary	
Social Security Administration	
Department of Health & Human Services	
Administration on Aging	In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 31-50

Administration for Children & Families	Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data. In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
Agency for Healthcare Research & Quality	In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health. The Agency for Health Care Policy & Research was renamed the Agency for Healthcare Research & Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.
Agency for Toxic Substances and Disease Registry	Prior to fiscal year 2000, data reported for the Environmental Protection Agency include R&D data for the Agency for Toxic Substances and Disease Registry.
Alcohol, Drug Abuse, & Mental Health Administration	Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.
Centers for Disease Control & Prevention	
Food & Drug Administration	
Health Care Financing Administration	
Health Resources Administration	
Health Resources & Services Administration	
Health Services Administration	
Human Development Services	In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
National Institutes of Health	Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported. Beginning in fiscal year 2000, the National Institutes of Health classified all of its development activities as research.
Office of the Assistant Secretary for Health	In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health. As of fiscal year 1996, the Office of the Assistant Secretary for Health (OASH) merged with the Office of the Secretary of the Secretary (OS). The merger created a new role for the Assistant Secretary for Health who became head of the Office of Public Health and Science (OPHS), a new division within OS.
Office of the Secretary	As of fiscal year 1996, the Office of the Assistant Secretary for Health (OASH) merged with the Office of the Secretary of the Secretary (OS). The merger created a new role for the Assistant Secretary for Health who became head of the Office of Public Health and Science (OPHS), a new division within OS.
Office of the Assistant Secretary, Planning & Evaluation	
Office of Public Health & Science	As of fiscal year 1996, the Office of the Assistant Secretary for Health (OASH) merged with the Office of the Secretary of the Secretary (OS). The merger created a new role for the Assistant Secretary for Health who became head of the Office of Public Health and Science (OPHS), a new division within OS.
Social Security Administration	As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
Substance Abuse & Mental Health Services Administration	Data for fiscal years 1998-2002 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 31-50

Department of Housing & Urban Development	
Department of the Interior	
Bonneville Power Administration	In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.
Bureau of Land Management	In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.
Bureau of Mines	In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.
Bureau of Reclamation	
Geological Survey	As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey. As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation. In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.
Minerals Management Service	
National Biological Service	The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service. As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
National Park Service	The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
Office of the Secretary	The Department of Interior's Office of the Secretary has not funded any R&D activities since fiscal year 1995.
Office of Surface Mining Reclamation & Enforcement	
Office of Water Research & Technology	As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.
United States Fish & Wildlife Service	The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
Department of Justice	
Bureau of Prisons	The Bureau of Prisons was formerly listed as the Federal Prison System.
Drug Enforcement Administration	Large differences exist between the Drug Enforcement Administration's fiscal years 1996 and 1997 R&D funding amounts due to changes in this agency's R&D programs.
Federal Bureau of Investigation	
Immigration & Naturalization Service	Fiscal years 1997-99 figures for the Immigration and Naturalization Service are based on the agency's Volume 46 submission.
Office of Justice Programs	
Office of Legal Policy	
Department of Labor	
Bureau of Labor Statistics	
Employment Standards Administration	
Employment & Training Administration	

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 31-50

Labor-Management Relations & Cooperative Programs	In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.
Labor-Management Services Administration	In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.
Occupational Safety & Health Administration	
Office of the Secretary	
Pension Benefit Guaranty Corporation	
Pension & Welfare Benefits Administration	
Wage & Hour Division	
Department of State	The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979. Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers. Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State. On October 1, 1999, the United States Information Agency was integrated into the Department of State.
Agency for International Development	The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979. Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers. Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 2000-2002) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-96). More accurate data for AID will be reported in future volumes of this survey.
Departmental Funds	
Department of Transportation	
Coast Guard	
Federal Aviation Administration	
Federal Highway Administration	The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 December 9, 1999)).
Federal Motor Carrier Safety Administration	The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on January 1, 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 December 9, 1999)).
Federal Railroad Administration	
Federal Transit Administration	The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
Maritime Administration	In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation. Beginning with fiscal year 1996, the Maritime Administration has had no directly appropriated funding for research and development activities.
National Highway Traffic Safety Administration	
Office of the Secretary	
Research & Special Programs Administration	

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 31-50

Department of the Treasury	
Bureau of Alcohol, Tobacco, & Firearms	
Bureau of Engraving & Printing	
Financial Crimes Enforcement Network	
Internal Revenue Service	Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
Office of Thrift Supervision	In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
United States Customs Service	Fiscal years 1997-99 figures for the United States Customs Service are estimates based on the agency's Volume 46 submission.
United States Mint	
United States Secret Service	The United States Secret Service was formerly listed as the Office of Protective Research.
Department of Veterans Affairs	
Other agencies	
ACTION	
Advisory Commission on Intergovernmental Relations	
Appalachian Regional Commission	
Broadcasting Board of Governors	The Broadcasting Board of Governors became an independent Federal entity on October 1, 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277) signed by the President on October 21, 1998.
Community Services Administration	
Consumer Product Safety Commission	
Environmental Protection Agency	Prior to fiscal year 2000, data reported for the Environmental Protection Agency include R&D data for the Agency for Toxic Substances and Disease Registry.
Federal Communications Commission	
Federal Emergency Management Agency	Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979. Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.
National Fire Prevention & Control Administration	Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.
Federal Trade Commission	
General Services Administration	As of 1985 the National Archives & Records Administration is separate from the General Services Administration.
International Development Cooperation Agency	The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.
Agency for International Development	Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers. Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1996-1998) and AID's Federal Funds Survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey. The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 31-50

Institute for Scientific & Technological Cooperation	
Interstate Commerce Commission	
Library of Congress	
National Aeronautics & Space Administration	During the Volume 45 survey cycle, the National Aeronautics and Space Administration made a statistical adjustment to the 1994 and 1995 field of science and engineering values to diminish a computational error introduced by its software. Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.
National Archives & Records Administration	As of 1985 the National Archives & Records Administration is separate from the General Services Administration.
National Science Foundation	The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the fiscal year 1996 field of science data (such as mechanical engineering). These changes are reflected in the historical data tables.
Nuclear Regulatory Commission	
Office of Personnel Management	
Office of Thrift Supervision	In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
Smithsonian Institution	
Social Security Administration	As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
Tennessee Valley Authority	During the Volume 47 survey cycle, the Tennessee Valley Authority (TVA) made adjustments to its 1996, 1997, 1998, and 1999 research and development (R&D) values to correct reporting errors. In recent years, most of the funds TVA has reported have been those invested by TVA's Office of Power, rather than congressionally appropriated funds. In addition, a substantial amount of congressionally appropriated funds earmarked for environmental compliance and site restoration were erroneously reported as R&D in past years. TVA has determined that these funds do not meet the criteria for classification as R&D spending. Some trend shifts are related to these adjustments, since TVA can only make revisions as far back as 1996.
United States Arms Control & Disarmament Agency	Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission. Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.
United States Information Agency	Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977–81. On October 1, 1999, the United States Information Agency was integrated into the Department of State.
United States International Trade Commission	In 2000, the United States International Trade Commission no longer classified any of its activities as research and development.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002