

TABLE 23. Federal funds for industrial R&D performance in the United States, by selected federal agency and selected industry: 1999–2002
(Millions of dollars)

Federal agency and industry	NAICS codes	1999 ^a	2000	2001 ^b	2002 ^b	Percent change 2002/2001
All federal agencies	21–23, 31–33, 42, 44–81	22,535	19,118	16,899	16,401	-3
Manufacturing	31–33	NA	NA	NA	10,745	na
Chemicals	325	194	150	180	246	37
Machinery	333	399 (S)	41	67	62	-7
Computer and electronic products	334	5,993	5,544	5,848	5,470	-6
Electrical equipment, appliances, and components	335	(D)	(D)	301 (S)	61	-80
Transportation Equipment	336	NA	NA	NA	4,692	na
Other manufacturing	31–33 minus (325, 333–36)	NA	NA	NA	213	na
Nonmanufacturing	21–23, 42, 44–81	NA	NA	NA	5,656	na
NASA	21–23, 31–33, 42, 44–81	1,469	1,328	1,071	798	na
Manufacturing	31–33	NA	NA	NA	391	na
Chemicals	325	(D)	0	0	(D)	na
Machinery	333	(D)	0 (S)	(D)	-	na
Computer and electronic products	334	267 (S)	(D)	272	149 (S)	-45
Electrical equipment, appliances, and components	335	(D)	(D)	(D)	(D)	na
Transportation Equipment	336	NA	NA	NA	238	na
Other manufacturing	31–33 minus (325, 333–36)	NA	NA	NA	(z) (S)	na
Nonmanufacturing	21–23, 42, 44–81	NA	NA	NA	407	na
DOE	21–23, 31–33, 42, 44–81	2,209	1,435	1,253	969	na
Manufacturing	31–33	NA	NA	NA	381 (S)	na
Chemicals	325	(D)	19 (S)	17 (S)	23	35
Machinery	333	(D)	28 (S)	(D)	(D)	na
Computer and electronic products	334	(D)	0	5	12	140
Electrical equipment, appliances, and components	335	(D)	(D)	34	(D)	-100
Transportation Equipment	336	NA	NA	NA	264 (S)	na
Other manufacturing	31–33 minus (325, 333–36)	NA	NA	NA	27	na
Nonmanufacturing	21–23, 42, 44–81	NA	NA	NA	588	na
DoD and other agencies	21–23, 31–33, 42, 44–81	18,857	16,335	14,575	14,634	na
Manufacturing	31–33	NA	NA	NA	9,973	na
Chemicals	325	NA	NA	NA	(D)	na
Machinery	333	NA	NA	NA	(D)	na
Computer and electronic products	334	NA	NA	NA	5,309	na
Electrical equipment, appliances, and components	335	NA	NA	NA	37	na
Transportation Equipment	336	NA	NA	NA	4,190	na
Other manufacturing	31–33 minus (325, 333–36)	NA	NA	NA	186	na
Nonmanufacturing	21–23, 42, 44–81	NA	NA	NA	4,661	na

(D) = data have been withheld to avoid disclosing operations of individual companies; (S) = indicates imputation of more than 50 percent; (z) = indicates value less than half the unit shown; NA = not available; na = not applicable.

^a Some statistics for 1999 have been revised since originally published.

^b Beginning with 2001, statistics for total and federally funded industrial R&D exclude data for federally funded research and development centers.

NOTES: Federal R&D data collected on the Form RD-1A are not allocated by agency type. For information on sampling for 1999–2002, see appendix A, Technical Notes.

During data collection, if exact figures were not available, respondents were asked to estimate or apportion R&D costs according to the number of scientists and engineers working on Federal projects and/or the costs of Federal programs. Consequently, statistics in this table may be based on such estimates.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2002.