



1999 Survey of Doctorate Recipients

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Conducted by:

U.S. Department of Commerce
BUREAU OF THE CENSUS

for the
National Science Foundation
Arlington, VA

INSTRUCTIONS

Thank you for taking the time to complete this questionnaire. Directions for filling it out are provided with each question. Because not all questions will apply to everyone, you may be asked to skip certain questions.

- In order to get comparable data, we will be asking you to refer to the week of April 15, 1999 (e.g., April 11 – April 17, 1999) when answering most questions
- Follow all "SKIP" instructions AFTER marking a box. If no "SKIP" instruction is provided, you should continue to the NEXT question
- Either a pen or pencil may be used
- When answering questions that require marking a box, please use an "X"
- If you need to change an answer, please make sure that your old answer is either completely erased or clearly crossed out

Thanks again for your help, we really appreciate it.

PART A – Employment Status During the Reference Week of April 11 – 17, 1999

A1. Were you working for pay (or profit) during the week of April 15, 1999? This includes a post-doctoral appointment, being self-employed or temporarily absent from a job even if unpaid (e.g., illness, vacation or parental leave).

- 1 Yes → **SKIP to A7**
- 2 No

A2. (IF NO) Did you look for work during the four weeks preceding April 15, 1999 (that is, any-time between March 19 and April 15, 1999)?

- 1 Yes
- 2 No

A3. What were your reasons for not working during the week of April 15?

Mark (X) all that apply

Year Retired

- 1 Retired → 19
- 2 On layoff from a job
- 3 Student
- 4 Family responsibilities
- 5 Chronic illness or permanent disability
- 6 Suitable job not available
- 7 Did not need or want to work
- 8 Other – Specify

A4. Prior to the week of April 15, 1999, when did you last work for pay (or profit)?

0 ← **Mark (X) this box if never worked for pay (or profit) and SKIP to Part D, page 7**

Month Year
 LAST WORKED 19

A5. What kind of work were you doing on this last job – that is, what was your occupation? Please be as specific as possible, including any area of specialization.

EXAMPLE: College professor – Electrical engineering

A6. Using the JOB CODES LIST (pages 12–13), choose the code that BEST describes the work you were doing on this last job.

CODE → **SKIP to A41, page 6**

A7. (IF WORKED DURING WEEK OF APRIL 15TH) Counting all jobs held during the week of April 15, 1999, did you USUALLY work . . .

- 1 A total of 35 or more hours per week → **SKIP to A10**
- 2 Fewer than 35 hours per week

A8. (IF FEWER THAN 35 HOURS) During the week of April 15, did you want to work a full-time work week of 35 or more hours?

- 1 Yes
- 2 No

A9. What were your reasons for working a part-time work week (i.e., less than 35 hours) during the week of April 15?

Mark (X) all that apply

Year Retired

- 1 Retired or semi-retired → 19
- 2 Student
- 3 Family responsibilities
- 4 Chronic illness or permanent disability
- 5 Suitable full-time work week job not available
- 6 Did not need or want to work full-time
- 7 Other – Specify

SKIP to A11, page 2

A10. (IF 35 OR MORE HOURS) Although you were working during the week of April 15, had you previously RETIRED from any position?

Examples of retirement include mandatory retirement, early retirement, or voluntary retirement

Year Retired

- 1 Yes → 19
- 2 No

The next several questions ask about your principal employer.

A11. Who was your principal employer during the week of April 15, 1999?

IF MORE THAN ONE JOB: *Record employer for whom you worked the most hours that week*

IF EMPLOYER HAD MORE THAN ONE LOCATION: *Record location where you usually worked*

Employer Name

City/Town

State/Foreign Country ZIP Code

A12. Thinking about your employer's main business (i.e., what your employer makes or does), under which of these categories does your employer's main business BEST fit?

IF PRINCIPAL EMPLOYER HAS MORE THAN ONE TYPE OF BUSINESS: *Please answer for the type of business primarily performed at the location where you work*

Mark (X) ONLY One

- 1 Agriculture, forestry, or fishing
- 2 Biotechnology
- 3 Construction or mining
- 4 Education
- 5 Finance, insurance or real estate services
- 6 Health services
- 7 Information technology or computer services
- 8 Other services (e.g., social, legal, business)
- 9 Manufacturing
- 10 Public administration/government
- 11 Research – *Specify* ↘

- 12 Transportation services, utilities or communications
- 13 Wholesale or retail trade
- 14 Other

A13. Counting all locations where this employer operates, how many people work for your principal employer? Your best estimate is fine.

Mark (X) ONLY One

- 1 Under 10 employees
- 2 10–24 employees
- 3 25–99 employees
- 4 100–499 employees
- 5 500–999 employees
- 6 1,000–4,999 employees
- 7 5,000+ employees

A14. Did your principal employer come into being as a new business within the past 5 years?

- 1 Yes
- 2 No

A15. Was your principal employer during the week of April 15 . . .

IF EMPLOYER WAS A SCHOOL: *Mark (X) the type of organizational charter (e.g., mark "state government" for state schools; most private schools are "private not-for-profit")*

Mark (X) ONLY One

- 1 A PRIVATE FOR-PROFIT company, business or individual, working for wages, salary or commissions
- 2 A PRIVATE NOT-FOR-PROFIT, tax-exempt, or charitable organization
- 3 SELF-EMPLOYED in own NOT INCORPORATED business, professional practice, or farm
- 4 SELF-EMPLOYED in own INCORPORATED business, professional practice, or farm
- 5 Local GOVERNMENT (e.g., city, county)
- 6 State GOVERNMENT
- 7 U.S. military service, active duty or Commissioned Corps (e.g., USPHS, NOAA)
- 8 U.S. GOVERNMENT (e.g., civilian employee)
- 9 Other – *Specify* ↘

A16. Was your principal employer an educational institution?

- 1 Yes
- 2 No → **SKIP to A20, page 3**

A17. (IF EDUCATIONAL INSTITUTION) Was this educational institution a . . .

Mark (X) ONLY One

- 1 Preschool, elementary, or middle school or system
- 2 Secondary school or system
- 3 Two-year college, community college, technical institute
- 4 Four-year college or university, other than a medical school
- 5 Medical school (including university-affiliated hospital or medical center)
- 6 University-affiliated research institute
- 7 Something else – *Specify* ↘

SKIP to A20, page 3

A18. What was your faculty rank?

Mark (X) ONLY One

- 1 Not applicable at this institution
- 2 Not applicable for my position
- 3 Professor
- 4 Associate Professor
- 5 Assistant Professor
- 6 Instructor
- 7 Lecturer
- 8 Adjunct Faculty
- 9 Other – Specify ↘

A19. What was your tenure status?

Mark (X) ONLY One

- 1 Not applicable: no tenure system at this institution
- 2 Not applicable: no tenure system for my position
- 3 Tenured
- 4 On tenure track but not tenured
- 5 Not on tenure track

The next set of questions ask about your work on your principal job during the week of April 15, 1999.

A20. What kind of work were you doing on your principal job held during the week of April 15, 1999 — that is, what was your occupation? Please be as specific as possible, including any area of specialization.

EXAMPLE: College professor – Electrical engineering

A21. Using the JOB CODES LIST (pages 12–13), choose the code that BEST describes the work you were doing on your principal job during the week of April 15.

CODE

A22. Did your duties on this job require the technical expertise of a bachelor's degree or higher in . . .

Mark (X) Yes or No for each

- | | YES
↓ | NO
↓ |
|---|----------------------------|----------------------------|
| 1. Engineering, computer science, math, or the natural sciences | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2. The social sciences | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3. Some other field (e.g., health or business) – Specify ↘ | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

A23. Was this job a "postdoc?"

A "postdoc" is a temporary position awarded in academe, industry, or government primarily for gaining additional education and training in research

- 1 Yes
- 2 No → **SKIP to A26, page 4**

A24. (IF YES) What were your reasons for taking this postdoc?

Mark (X) Yes or No for each

- | | YES
↓ | NO
↓ |
|--|----------------------------|----------------------------|
| 1. Additional training in PhD field | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2. Training in an area outside of PhD field | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3. Work with a specific person or place | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4. Other employment not available | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5. Postdoc generally expected for career in this field | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 6. Some other reason – Specify ↘ | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

A25. What were your two MOST important reasons for taking this postdoc? Enter number of appropriate reason from A24 above.

- 1. MOST important reason
- 2. SECOND MOST important reason (Enter "0" if no second most)

A26. During what month and year did you start this job, (that is, your principal job held during the week of April 15, 1999)?

JOB STARTED Month Year

 □ □ 19 □ □

A27. Thinking about the relationship between your work and your education, to what extent was your work on your principal job held during the week of April 15 related to your (first U.S.) doctoral degree? Was it . . .

Mark (X) ONLY One

- 1 Closely related
 - 2 Somewhat related
 - 3 Not related
- } → **SKIP to A30**

A28. (IF NOT RELATED) Did these factors influence your decision to work in an area OUTSIDE THE FIELD OF YOUR (FIRST U.S.) DOCTORAL DEGREE?

Mark (X) Yes or No for each

- | | | YES | NO |
|---|---|--------------------------|----------------------------|
| | | ↓ | ↓ |
| 1. Pay, promotion opportunities . . . | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2. Working conditions (e.g., hours, equipment, working environment) | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3. Job location | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4. Change in career or professional interests | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5. Family-related reasons (e.g., children, spouse's job moved) . . | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 6. Job in highest degree field not available | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 7. Other reason – Specify ↗ | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |

A29. Which TWO factors in A28 represent your MOST important reasons for working in an area outside the field of your (first U.S.) doctoral degree? Enter number of appropriate reason from A28 above.

- 1. MOST important reason
- 2. SECOND MOST important reason
(Enter "0" if no second most)

A30. The next question is about your work activities on your principal job. Which of the following work activities occupied 10 percent or more of your time during a TYPICAL work week on this job?

Mark (X) Yes or No for each

- | | | YES | NO |
|---|---|--------------------------|----------------------------|
| | | ↓ | ↓ |
| 1. Accounting, finance, contracts . . . | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2. Applied research – study directed toward gaining scientific knowledge to meet a recognized need | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3. Basic research – study directed toward gaining scientific knowledge primarily for its own sake | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4. Computer applications, programming, systems development | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5. Development – using knowledge gained from research for the production of materials, devices . . | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 6. Design of equipment, processes, structures, models | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 7. Employee relations – including recruiting, personnel development, training | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 8. Managing and supervising | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 9. Production, operations, maintenance (e.g., truck driving, machine tooling, auto/machine repairing) | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 10. Professional services (e.g., health care, counseling, financial services, legal services) | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 11. Sales, purchasing, marketing, customer service, public relations | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 12. Quality or productivity management | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 13. Teaching | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 14. Other – Specify ↗ | 1 | <input type="checkbox"/> | 2 <input type="checkbox"/> |

A31. On which TWO activities in A30 did you work the MOST hours during a typical week on this job? Enter number of appropriate activity from A30 above.

- 1. Activity MOST hours
- 2. Activity SECOND MOST hours
(Enter "0" if no second most)

A32. Did you supervise the work of others as part of your principal job held during the week of April 15?

Mark "YES": *If you assigned duties to workers AND recommended or initiated personnel actions such as hiring, firing or promoting*

TEACHERS: *Do NOT count students*

- 1 Yes
- 2 No → **SKIP to A34**

A33. (IF YES) How many people did you typically . . .

IF NONE: *Enter "0"*

Number Supervised

- 1. Supervise DIRECTLY?
- 2. Supervise through subordinate supervisors? . . .

A34. Before deductions, what was your basic ANNUAL salary on this job as of the week of April 15, 1999? (Do NOT include bonuses, overtime, or additional compensation for summertime teaching or research)

IF NOT SALARIED: *Please estimate your earned income, excluding business expenses*

\$.00

BASIC ANNUAL SALARY/EARNED INCOME

A35. During a typical week on this job, how many hours did you usually work?

NUMBER OF HOURS PER WEEK

A36. Including paid vacation and paid sick leave, upon how many weeks per year was your salary based?

NUMBER OF WEEKS PER YEAR

A37. During the week of April 15, 1999, were you working for pay (or profit) at a second job (or business), including part-time, evening, or weekend work?

- 1 Yes
- 2 No → **SKIP to A41, page 6**

A38. (IF YES) What kind of work were you doing at your second job during the week of April 15 — that is, what was your occupation? Please be as specific as possible, including any area of specialization.

IF YOU HAD MORE THAN TWO JOBS THAT WEEK: *Answer for the job where you worked the second most hours*

A39. Using the JOB CODES LIST (pages 12-13), choose the code that BEST describes the work you were doing on your second job during the week of April 15.

CODE

A40. To what extent was your work on this second job related to your (first U.S.) doctoral degree? Was it . . .

Mark (X) **ONLY One**

- 1 Closely related
- 2 Somewhat related
- 3 Not related

A41. Thinking back now to 1998, was any of your work during 1998 supported by CONTRACTS OR GRANTS from the U.S. government?

0 ← **Mark (X) this box if you did not work in 1998 and SKIP to B1**

FEDERAL EMPLOYEES: Please answer "No"

Mark (X) ONLY One

- 1 Yes
- 2 No → **SKIP to A43**
- 3 Don't know → **SKIP to A43**

A42. (IF YES) Which Federal agencies or departments were supporting your work?

Mark (X) all that apply

- 1 Agency for International Development (AID)
- 2 Agriculture Department (USDA)
- 3 Commerce Department (DOC)
- 4 Defense Department (DOD)
- 5 Department of Education (include NCES, OERI, FIPSE, FIRST)
- 6 Energy Department (DOE)
- 7 Environmental Protection Agency (EPA)
- 8 Health and Human Services Department (Excluding NIH)
- 9 Interior Department
- 10 National Aeronautics and Space Administration (NASA)
- 11 National Institutes of Health (NIH)
- 12 National Science Foundation (NSF)
- 13 Transportation Department (DOT)
- 14 Other – Specify ↘

15 DON'T KNOW SOURCE AGENCY

A43. Counting all jobs held in 1998, what was your TOTAL EARNED income for 1998, BEFORE deductions? Include all wages, salaries, bonuses, overtime, commissions, consulting fees, net income from businesses, summertime teaching or research, postdoctoral appointment, or other work associated with scholarships

\$

.00

TOTAL 1998 EARNED INCOME

PART B – Past Employment

The next few questions will help us better understand employment changes over time.

B1. Were you working for pay (or profit) during BOTH of these time periods — the week of April 15, 1997 AND the week of April 15, 1999?

IF YOU WERE A STUDENT: Do NOT count financial aid awards with no work requirement

- 1 Yes
- 2 No → **SKIP to C1**

B2. (IF YES) During these two time periods — the week of April 15, 1997, and the week of April 15, 1999 — were you working for . . .

Mark (X) ONLY One

- 1 Same employer AND same job → **SKIP to C1**
- 2 Same employer BUT different job
- 3 Different employer BUT same job
- 4 Different employer AND different job

B3. (IF DIFFERENT) Why did you change your employer or your job?

Mark (X) Yes or No for each

- | | | YES
↓ | NO
↓ |
|--|----------------------------|----------|----------------------------|
| 1. Pay, promotion opportunities . . . | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |
| 2. Working conditions (e.g., hours, equipment, working environment) | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |
| 3. Job location | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |
| 4. Change in career or professional interests | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |
| 5. Family-related reasons (e.g., children, spouse's job moved) . . | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |
| 6. School-related reasons (e.g., returned to school, completed a degree) | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |
| 7. Laid off or job terminated (includes company closings, mergers, buyouts, grant or contract ended) | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |
| 8. Retired | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |
| 9. Other – Specify ↘ | 1 <input type="checkbox"/> | | 2 <input type="checkbox"/> |

PART C – Other Work and Career Related Experience

C1. During the past year, did you attend any professional society or association meetings or professional conferences? Include regional, national, or international meetings

- 1 Yes
- 2 No

C2. To how many national or international professional societies or associations do you currently belong?

Number OR 0 NONE

C3. During the past year, did you attend any WORK-RELATED workshops, seminars, or other work-related training activities?
Do NOT include college courses – these will be discussed in PART D

Do NOT include professional meetings unless you attended a special training session conducted at the meeting/conference

1 Yes
2 No → **SKIP to D1**

C4. (IF YES) During the past year, in which of the following areas did you attend work-related workshops, seminars, or other work-related training activities?

Mark (X) Yes or No for each

	YES	NO
	↓	↓
1. Management or supervisor training . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
2. Training in your occupational field . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
3. General professional training (e.g., public speaking, business writing) . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
4. Other work-related training – Specify ↘	1 <input type="checkbox"/>	2 <input type="checkbox"/>

C5. For which of the following reasons did you attend training activities during the past year?

Mark (X) Yes or No for each

	YES	NO
	↓	↓
1. To facilitate a change in your occupational field . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
2. To gain FURTHER skills or knowledge in your occupational field . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
3. For licensure/certification . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
4. To increase opportunities for promotion/advancement/higher salary . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
5. To learn skills or knowledge needed for a recently acquired position . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
6. Required or expected by employer . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>
7. Other – Specify ↘ . . .	1 <input type="checkbox"/>	2 <input type="checkbox"/>

C6. What was your most important reason for attending training activities? Enter number of appropriate reason from C5 above.

MOST IMPORTANT REASON FROM C5

PART D – Background Information

D1. Between April 1997 and April 1999, did you take any college or university courses or enroll in a college or university for other reasons, such as completing another Master’s or doctorate?

1 Yes
2 No → **SKIP to E1, page 8**

D2. (IF YES) In which college or university department were you primarily taking classes or doing research, etc. (e.g., English, chemistry)?

DEPARTMENT

D3. During that time, toward what degree or certificate, if any, were you (or are you) working?

0 ← **Mark (X) this box if no specific degree or certificate and SKIP to D7, page 8**

IF MORE THAN ONE APPLIES: Mark the highest level

Mark (X) ONLY One

- 1 Bachelor’s degree
- 2 Post baccalaureate certificate
- 3 Master’s degree (including MBA)
- 4 Post master’s certificate
- 5 Doctorate (e.g., Ph.D., D.S.C., D.Sc., Ed.D.)
- 6 Other professional degree (e.g., JD, LLB, ThD, MD, DDS) – Specify ↘

7 Other – Specify ↘

D4. Between April 1997 and April 1999, did you complete a degree or certificate?

1 Yes
2 No → **SKIP to D7, page 8**

D4a. (IF YES) What degree or certificate did you receive? Enter number of appropriate TYPE OF DEGREE/CERTIFICATE received from D3 above.

TYPE OF DEGREE/CERTIFICATE FROM D3

D5. In what month and year was this degree or certificate awarded?

IF YOU COMPLETED MORE THAN ONE: *Enter the date for the highest degree or certificate awarded*

Month	Year
<input type="text"/>	<input type="text"/>
<input type="text"/>	19 <input type="text"/>

D6. From which academic institution did you receive this degree or certificate?

School Name

City/Town

State/Foreign Country

D7. What was your primary field of study during that time?

PRIMARY FIELD OF STUDY

D8. For which of the following reasons were you taking classes or enrolled between April 1997 and April 1999?

Mark (X) Yes or No for each

	YES	NO
1. To gain further education before beginning a career	1 <input type="checkbox"/>	2 <input type="checkbox"/>
2. To prepare for graduate school	1 <input type="checkbox"/>	2 <input type="checkbox"/>
3. To change your academic or occupational field	1 <input type="checkbox"/>	2 <input type="checkbox"/>
4. To gain FURTHER skills or knowledge in your academic or occupational field	1 <input type="checkbox"/>	2 <input type="checkbox"/>
5. For licensure/certification	1 <input type="checkbox"/>	2 <input type="checkbox"/>
6. To increase opportunities for promotion, advancement, or higher salary	1 <input type="checkbox"/>	2 <input type="checkbox"/>
7. Required or expected by employer	1 <input type="checkbox"/>	2 <input type="checkbox"/>
8. For leisure/personal interest	1 <input type="checkbox"/>	2 <input type="checkbox"/>
9. Other – <i>Specify</i> ↘	1 <input type="checkbox"/>	2 <input type="checkbox"/>

D9. Were ANY of your school-related costs for taking college or university courses during this time paid for by an employer?

- 1 Yes
- 2 No

PART E – Recent Doctorate Recipients

E1. Did you receive your (first U.S.) doctoral degree at any time between July 1996 and June 1998?

- 1 Yes
- 2 No → **SKIP to F1, page 10**

E2. (IF YES) Between completing your doctorate and the week of April 15, 1999 have you sought or held what you would consider a "career path" job?

A "career path" job is a job that will help further your career plans or is a job in a field where you want to make your career

- 1 Yes, have sought or held a career path job
- 2 No, have not sought or held a career path job → **SKIP to E7, page 9**

E3. (IF YES) To what extent, if at all, was your search for a career path job limited by . . .

Mark (X) ONLY One for each item

	A Great Deal	Some-what	Not Much/Not At All	Not Applicable
1. Family responsibilities	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
2. Spouse's career or employment	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
3. Debt burden from undergraduate or graduate degrees	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
4. Desire to not relocate or move to place of job	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
5. Suitable job not available	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
6. Other – <i>Specify</i> ↘	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>

E4. Which of the following resources did you use for seeking or finding your first career path job after receiving your doctorate?

If you have not yet obtained a career path job, please indicate the sources used in your job search

Mark (X) Yes or No for each

- | | YES
↓ | NO
↓ |
|---|----------------------------|----------------------------|
| 1. Faculty or advisors | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2. Professional recruiters such as "head hunters" | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3. College or department placement office | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4. Professional meetings | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5. Electronic postings | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 6. Newspapers | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 7. Professional journals | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 8. Informal channels through colleagues or friends | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 9. Direct contacts you initiated with company (e.g., sent unsolicited vita) | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 10. Other – Specify ↗ | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

E5. Which TWO resources in E4 were most responsible for finding your first career path job? Enter number of appropriate resource from E4 above.

0 ← **Mark (X) this box if you have not held or accepted a career path job since receiving your doctorate and SKIP to E7**

1. MOST important resource
2. SECOND MOST important resource
(Enter "0" if no second resource)

E6. How many months elapsed between the time you completed your doctorate and the time you accepted your first career path job?

If your career path job began while you were completing or within one month of receiving your doctoral degree: Enter "0"

NUMBER OF MONTHS

E7. In terms of preparing you for a career, how adequate was your doctoral program or training in each of the following areas?

Mark (X) ONLY One for each item

- | | Very Ade-
quate
↓ | Some-
what Ade-
quate
↓ | Not Ade-
quate
↓ | Not Appli-
cable
↓ |
|--|----------------------------|----------------------------------|----------------------------|----------------------------|
| 1. General problem solving skills | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 2. Subject matter knowledge | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 3. Oral communication skills | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 4. Teaching skills | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 5. Collaboration and team work skills | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 6. Quantitative skills | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 7. Writing skills | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 8. Computer skills | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 9. Research integrity/ethics | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 10. Establishing contacts with colleagues in field | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 11. Management or administrative skills | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |

E8. In which TWO areas in E7 would you have liked to have had more training or emphasis in your doctoral program? Enter number of appropriate area from E7 above.

0 ← **Mark (X) this box if none (no additional training or emphasis desired)**

1. FIRST area
2. SECOND area
(Enter "0" if no second area)

E9. Overall, how satisfied are you with the doctoral program you completed?

Mark (X) ONLY One

- 1 Very satisfied
- 2 Somewhat satisfied
- 3 Somewhat dissatisfied
- 4 Very dissatisfied

PART F – Demographic Information

F1. As of the week of April 15, 1999 were you . . .

Mark (X) *ONLY One*

- 1 Married
 - 2 Widowed
 - 3 Separated
 - 4 Divorced
 - 5 Never Married
- } → **SKIP to F4**

F2. (IF MARRIED) During the week of April 15, was your spouse working for pay (or profit) at a full-time or part-time job?

- 1 Yes, full-time
- 2 Yes, part-time
- 3 No → **SKIP to F4**

F3. (IF YES) Did your spouse's duties on this job require the technical expertise of a bachelor's degree or higher in . . .

Mark (X) *Yes or No for each*

	YES	NO
	↓	↓
1. Engineering, computer science, math or the natural sciences	1 <input type="checkbox"/>	2 <input type="checkbox"/>
2. The social sciences	1 <input type="checkbox"/>	2 <input type="checkbox"/>
3. Some other field (e.g., health or business) – <i>Specify</i> ↘	1 <input type="checkbox"/>	2 <input type="checkbox"/>

F4. During the week of April 15, did you have any children living with you as part of your family?

Only count children who lived with you at least 50 percent of the time

- 1 Yes → **GO to F5**
- 2 No → **SKIP to F6**

F5. (IF YES) How many of these children living with you as part of your family were . . .

IF NO CHILDREN IN A CATEGORY: *Enter "0"*

	Number of Children
1. Under age 2	_____
2. Aged 2 – 5	_____
3. Aged 6 – 11	_____
4. Aged 12 – 17	_____
5. Aged 18 or older	_____

F6. During the week of April 15, 1999, were you living in the United States or one of its territories, or were you living in another country?

- 1 United States or one of its territories
- 2 Another country

F7. As of the week of April 15, 1999, were you a . . .

Mark (X) *ONLY One*

U.S. Citizen

- 1 Native born
 - 2 Naturalized
- } → **SKIP to F9**

Non-U.S. Citizen

- 3 With a Permanent U.S. Resident Visa
- 4 With a Temporary U.S. Resident Visa
- 5 Living outside the United States

F8. (IF NON-U.S. CITIZEN) Of which country are you a citizen?

COUNTRY

F9. What is your birthdate?

Month	Day	Year
		19

The next question is designed to help us better understand the career paths of individuals with different physical abilities.

MARK (X) ONE FOR EACH

F10. What is the USUAL degree of difficulty you have with . . .

	None	Slight	Moderate	Severe	Unable to Do
1. SEEING words or letters in ordinary newspaper (with glasses/contact lenses if you usually wear them)	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
2. HEARING what is normally said in conversation with another person (with hearing aid, if you usually wear one)	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
3. WALKING without human or mechanical assistance or using stairs	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
4. LIFTING or carrying something as heavy as 10 pounds, such as a bag of groceries	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>

F11. ← Mark (X) this box if you answered "None" TO ALL ACTIVITIES in F10 and SKIP to F13

F12. What is the earliest age at which you FIRST began experiencing ANY difficulties in ANY of these areas?

AGE **OR** SINCE BIRTH

F13. In case we need to clarify some of the information you have provided, please list a phone number (and an e-mail address if applicable) where you can be reached.

DAYTIME Area Code Number Area Code Number
 - -

E-MAIL ADDRESS

F14. Since we are interested in how education and employment change over time, we may be recontacting you in 2001. To help us contact you, please provide the name, address, and telephone number of two people who are likely to know where you can be reached. DO NOT INCLUDE SOMEONE WHO LIVES IN YOUR HOUSEHOLD.

As with all the information provided in this questionnaire, complete confidentiality will be provided. These people will only be contacted if we have trouble contacting you in 2001.

First Name	MI	Last Name	First Name	MI	Last Name
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number and Street			Number and Street		
<input type="text"/>			<input type="text"/>		
City/Town	State	ZIP Code	City/Town	State	ZIP Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Country (If outside U.S.)			Country (If outside U.S.)		
<input type="text"/>			<input type="text"/>		
Area Code	Number	Area Code	Number	Area Code	Number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

F15. PLEASE TURN TO THE BACK COVER FOR THE LAST QUESTION (F16).

JOB CODES LIST

This list is ordered alphabetically. The titles in bold type are broad job categories. To make sure you have found the BEST code, please review ALL broad categories before making your choice. If you cannot find the code that BEST describes your job, use the "OTHER" code under the most appropriate broad category in bold print. If none of the codes fit your job, use code 500.

010 **Artists, Broadcasters, Editors, Entertainers, Public Relations Specialists, Writers**

Biological/Life Scientists

- 021 Agricultural and food scientists
- 022 Biochemists and biophysicists
- 023 Biological scientists (e.g., botanists, ecologists, zoologists)
- 024 Forestry and conservation scientists
- 025 Medical scientists (excluding practitioners)
- 026 Technologists and technicians in the biological/life sciences
- 027 OTHER biological/life scientists

Clerical/Administrative Support

- 031 Accounting clerks, bookkeepers
- 032 Secretaries, receptionists, typists
- 033 OTHER administrative (e.g., record clerks, telephone operators)

040 **Clergy and Other Religious Workers**

Computer Occupations (Also see 173)

- *** Computer engineers (See 087, 088 under Engineering)
- 051 Computer programmers (business, scientific, process control)
- 052 Computer system analysts
- 053 Computer scientists, except system analysts
- 054 Information systems scientists or analysts
- 055 OTHER computer, information science occupations

*** **Consultants** (Select the code that comes closest to your usual area of consulting)

070 **Counselors, Educational and Vocational** (Also see 236)

Engineers, Architects, Surveyors

- 081 Architects
- *** Engineers (Also see 100–103)
- 082 Aeronautical, aerospace, astronautical engineer
- 083 Agricultural engineer
- 084 Bioengineering and biomedical engineer
- 085 Chemical engineer
- 086 Civil, including architectural and sanitary engineer

*** Engineers (Continued)

- 087 Computer engineer – hardware
- 088 Computer engineer – software
- 089 Electrical, electronic engineer
- 090 Environmental engineer
- 091 Industrial engineer
- 092 Marine engineer or naval architect engineer
- 093 Materials or metallurgical engineer
- 094 Mechanical engineer
- 095 Mining or geological engineer
- 096 Nuclear engineer
- 097 Petroleum engineer
- 098 Sales engineer
- 099 Other engineer

*** Engineering Technologists and Technicians

- 100 Electrical, electronic, industrial, mechanical
- 101 Drafting occupations, including computer drafting
- 102 Surveying and mapping
- 103 OTHER engineering technologists and technicians
- 104 Surveyors

110 **Farmers, Foresters and Fishermen**

Health Occupations

- 111 Diagnosing/Treating Practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)
- 112 Registered nurses, pharmacists, dieticians, therapists, physician assistants
- 236 Psychologists, including clinical
- 113 Health Technologists and Technicians (e.g., dental hygienists, health record technologist/technicians, licensed practical nurses, medical or laboratory technicians, radiologic technologists/technicians)
- 114 OTHER health occupations

120 **Lawyers, Judges**

130 **Librarians, Archivists, Curators**

Managers, Executives, Administrators (Also see 151–153)

- 141 Top and mid-level managers, executives, administrators (people who manage other managers)
- *** All other managers, including the self-employed (Select the code that comes closest to the field you manage)

JOB CODES LIST – Continued

Management-Related Occupations

(Also see 141)

- 151 Accountants, auditors, and other financial specialists
- 152 Personnel, training, and labor relations specialists
- 153 OTHER management related occupations

Mathematical Scientists

- 171 Actuaries
- 172 Mathematicians
- 173 Operations research analysts, modeling
- 174 Statisticians
- 175 Technologists and technicians in the mathematical sciences
- 176 OTHER mathematical scientists

Physical Scientists

- 191 Astronomers
- 192 Atmospheric and space scientists
- 193 Chemists, except biochemists
- 194 Geologists, including earth scientists
- 195 Oceanographers
- 196 Physicists
- 197 Technologists and technicians in the physical sciences
- 198 OTHER physical scientists

*** **Research Associates/Assistants** (Select the code that comes closest to your field)

Sales and Marketing

- 200 Insurance, securities, real estate, and business services
- 201 Sales Occupations – Commodities Except Retail (e.g., industrial machinery/equipment/supplies, medical and dental equipment/supplies)
- 202 Sales Occupations – Retail (e.g., furnishings, clothing, motor vehicles, cosmetics)
- 203 OTHER marketing and sales occupations

Service Occupations, Except Health

(Also see 111–114)

- 221 Food Preparation and Service (e.g., cooks, waitresses, bartenders)
- 222 Protective services (e.g., fire fighters, police, guards)
- 223 OTHER service occupations, except health

Social Scientists

- 231 Anthropologists
- 232 Economists
- 233 Historians, science and technology
- 234 Historians, except science and technology
- 235 Political scientists
- 236 Psychologists, including clinical (Also see 070)
- 237 Sociologists
- 238 OTHER social scientist

240 Social Workers

Teachers/Professors

- 251 Pre-Kindergarten and kindergarten
- 252 Elementary
- 253 Secondary – computer, math or sciences
- 254 Secondary – social sciences
- 255 Secondary – other subjects
- 256 Special education – primary and secondary
- 257 OTHER precollegiate area
- *** Postsecondary
 - 271 Agriculture
 - 272 Art, Drama, and Music
 - 273 Biological Sciences
 - 274 Business Commerce and Marketing
 - 275 Chemistry
 - 276 Computer Science
 - 277 Earth, Environmental, and Marine Science
 - 278 Economics
 - 279 Education
 - 280 Engineering
 - 281 English
 - 282 Foreign Language
 - 283 History
 - 284 Home Economics
 - 285 Law
 - 286 Mathematical Sciences
 - 287 Medical Science
 - 288 Physical Education
 - 289 Physics
 - 290 Political Science
 - 291 Psychology
 - 292 Social Work
 - 293 Sociology
 - 294 Theology
 - 295 Trade and Industrial
 - 296 OTHER health specialties
 - 297 OTHER natural sciences
 - 298 OTHER social sciences
 - 299 OTHER postsecondary

Other Professions

- 401 Construction trades, miners and well drillers
- 402 Mechanics and repairers
- 403 Precision/production occupations (e.g., metal workers, woodworkers, butchers, bakers, printing occupations, tailors, shoemakers, photographic process)
- 404 Operators and related occupations (e.g., machine set-up, machine operators and tenders, fabricators, assemblers)
- 405 Transportation/material moving occupations

500 OTHER OCCUPATIONS (Not Listed)

F16. Is the name and address information on the label the best one for us to use for any future mailings?

1 Yes

2 No → *Please make name and address changes as needed below. Please print clearly.*



Title	First Name	Middle Initial	Last Name	
Number and Street/Apt. No.		City/Town	State	ZIP Code Plus 4
				—
Country (if outside U.S.)				

THANK YOU FOR COMPLETING THE QUESTIONNAIRE

Please return the completed form in the envelope provided. If you lose the envelope and want another, call 1-800-523-3205. Our address is:

DIRECTOR
BUREAU OF THE CENSUS
1201 E 10TH ST
JEFFERSONVILLE IN 47132-0001