2003 Survey of Doctorate Recipients

Conducted by
the National Opinion Research Center
at the University of Chicago for:

National Science Foundation

The information is solicited under the authority of the National Science Foundation Act of 1950, as amended, and the Confidential Information Protection and Statistical Efficiency Act of 2002. These laws require that the survey sponsors (the National Science Foundation and the National Institutes of Health) treat all information you provided as confidential. The information you provide will be used only for research and statistical purposes by the survey sponsors, their contractors, and collaborating researchers for the purpose of analyzing data and preparing scientific reports and articles. Any information publicly released (such as statistical summaries) will be in a form that does not personally identify you. Your response is voluntary and failure to provide some or all of the requested information will not in any way adversely affect you. Actual time to complete the questionnaire may vary depending on your circumstances but on the average, it will take about 25 minutes. If you have any comments on the time required for this survey, please send them to the National Science Foundation, 4201 Wilson Boulevard, Suite 295, Arlington, VA 22230, Attention: NSF Reports Clearance Officer.

Please make any name/address changes below:

First Name

M.I.

Last Name

Number and Street

City/Town

State

ZIP Code

Office Use Only

RC Edit CADE VER Adj

OMB No.: 3145-0020
Approval Expires: 11/30/2004
Thank you for taking the time to complete this questionnaire.

If you have any questions, please call us toll free at 1-800-685-1663 or e-mail us at SDR@norc.uchicago.edu. Our mailing address is: 2003 Survey of Doctorate Recipients, c/o NORC, 1 North State Street, 16th Floor, Chicago, IL 60602-3305.

Results of the Survey of Doctorate Recipients can be found on the National Science Foundation’s Web site at http://www.nsf.gov/sbe/srs/cdse.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control number for this survey is 3145-0020.

Follow all appropriate skip instructions after marking a box. If no skip instruction is provided, you should continue to the next question.
A1. Were you working for pay or profit during the week of October 1, 2003?

This includes being self-employed, on a postdoctoral appointment, or on any type of paid or unpaid temporary leave.

Use an X to mark your answer.

☐ Yes ➔ Go to question A7

☐ No

A2. (If No) Did you look for work during the four weeks preceding October 1, 2003? This would be between September 3rd and October 1st.

1  Yes

2  No

A3. What were your reasons for not working during the week of October 1?

Mark (X) all that apply.

☐ Retired → Year retired

☐ On layoff from a job

☐ Student

☐ Family responsibilities

☐ Chronic illness or permanent disability

☐ Suitable job not available

☐ Did not need or want to work

☐ Other – Specify

A4. Prior to the week of October 1, 2003, when did you last work for pay or profit?

Mark (X) this box if you never worked for pay or profit and then go to page 10, question D1

☐

LAST WORKED

Month

Year

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 CATEGORY list on pages 16-17, choose the code that best describes the work you were doing on this last job.

CODE → Go to page 7, question A40

A7. (If you worked during week of October 1st)

Counting all jobs held during the week of October 1, 2003, did you usually work . . .

1  A total of 35 or more hours per week ➔ Go to page 2, question A10

2  Fewer than 35 hours per week

A8. (If you worked fewer than 35 hours) During the week of October 1, did you want to work a full-time work week of 35 or more hours?

1  Yes

2  No
### A9. For which of the following reasons were you working for less than 35 hours during the week of October 1?

Mark (X) all that apply.

<table>
<thead>
<tr>
<th>Number</th>
<th>Reason</th>
<th></th>
<th></th>
<th>Year retired</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Retired or semi-retired</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>On layoff from a job</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Student</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Family responsibilities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Chronic illness or permanent disability</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Suitable job not available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Did not need or want to work</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Other – Specify</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Go to question A11

### A10. (If you worked for 35 or more hours) Although you were working during the week of October 1, had you previously retired from any position?

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

<table>
<thead>
<tr>
<th>Number</th>
<th>Reason</th>
<th>Year retired</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

### A11. Who was your principal employer during the week of October 1, 2003?

If you had more than one job, report the one for which you worked the most hours that week.

If your employer had more than one location, report the location where you usually worked.

- Employer Name
- Department/Division
- Street
- City/Town
- State
- ZIP Code

### A12. What was that employer’s main business or industry; that is, what did that employer make or do?

If your principal employer had more than one type of business, report the type of business primarily performed at the location where you work.

Example: Production of microprocessor chips

- Employer’s Main Business
A13. Counting all locations where this employer operates, how many people work for your principal employer? Your best estimate is fine.  

Mark (X) one answer.  
1  10 or fewer employees  
2  11 - 24 employees  
3  25 - 99 employees  
4  100 - 499 employees  
5  500 - 999 employees  
6  1,000 - 4,999 employees  
7  5,000 - 24,999 employees  
8  25,000+ employees

A14. Did your principal employer come into being as a new business within the past 5 years?  
1  Yes  
2  No

A15. Which one of the following best describes your principal employer during the week of October 1?  

Mark (X) one answer.  
1  SELF-EMPLOYED in own NOT INCORPORATED business, professional practice or farm  
2  SELF-EMPLOYED in own INCORPORATED business, professional practice or farm  
3  A PRIVATE FOR-PROFIT organization or individual working for wages, salary or commissions  
4  A PRIVATE NOT-FOR-PROFIT, tax-exempt, or charitable organization  
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 ➔ Go to page 4, question A21

A17. (If Yes) Was the educational institution where you worked a . . .  

Mark (X) one answer.  
1  Preschool, elementary, middle, or secondary school or system ➔ Go to page 4, question A21  
2  Two-year college, community college, or technical institute  
3  Four-year college or university, other than a medical school  
4  Medical school (including university-affiliated hospital or medical center)  
5  University-affiliated research institute  
6  Other – Specify

A18. During the week of October 1, 2003, what type of academic position(s) did you hold at this institution?  

Mark (X) all that apply.  
1  President, Provost or Chancellor (any level)  
2  Dean (any level), department head or chair  
3  Research faculty, scientist, associate or fellow  
4  Teaching faculty  
5  Adjunct faculty  
6  Postdoc (e.g., postdoctoral fellow or associate)  
7  Research assistant  
8  Teaching assistant  
9  Other – Specify
### A19. What was your faculty rank?

*Mark (X) one answer.*

- [ ] Not applicable: no ranks designated at this institution
- [ ] Not applicable: no ranks designated for my position
- [ ] Professor
- [ ] Associate Professor
- [ ] Assistant Professor
- [ ] Instructor
- [ ] Lecturer
- [ ] Other – Specify

### A20. What was your tenure status?

*Mark (X) one answer.*

- [ ] Not applicable: no tenure system at this institution
- [ ] Not applicable: no tenure system for my position
- [ ] Tenured
- [ ] On tenure track but not tenured
- [ ] Not on tenure track

### A21. What kind of work were you doing on your principal job held during the week of October 1, 2003 — that is, what was your occupation? Please be as specific as possible, including any area of specialization.

*Example:* College professor - Electrical engineering

### A22. Using the JOB CATEGORY list on pages 16-17, choose the code that best describes the work you were doing on your principal job during the week of October 1.

*CODE*

### A23. 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 item.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

---

*Specify*
A24. 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.

☐ Yes
☐ No ➔ Go to question A27

A25. (If Yes) What were your reasons for taking this postdoc?

Mark (X) Yes or No for each item.

Yes No
1 Additional training in PhD field........1 2
2 Training in an area outside of PhD field.................................1 2
3 Work with a specific person or place ...................................1 2
4 Other employment not available ..........1 2
5 Postdoc generally expected for career in this field.................1 2
6 Some other reason – Specify ........1 2

A26. Which two reasons in question A25 were your most important reasons for taking this postdoc?

Enter number of appropriate reason from question A25 above.

1  Most important reason
2  Second most important reason (Enter “0” if no second reason)

A27. During what month and year did you start this job (that is, your principal job held during the week of October 1, 2003)?

Month Year

JOB STARTED

A28. To what extent was your work on your principal job related to your first U.S. doctoral degree? Was it . . .

Mark (X) one answer.

1  Closely related
2  Somewhat related ➔ Go to page 6, question A31
3  Not related

A29. (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 item.

Yes No
1 Pay, promotion opportunities........1 2
2 Working conditions (e.g., hours, equipment, working environment) ...1 2
3 Job location .....................................1 2
4 Change in career or professional interests ................................1 2
5 Family-related reasons (e.g., children, spouse’s job moved) .........1 2
6 Job in doctoral degree field not available ..............................1 2
7 Some other reason – Specify ........1 2

A30. Which two factors in question A29 were 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 question A29 above.

1  Most important reason
2  Second most important reason (Enter “0” if no second reason)
A31. The next question is about your work activities on your principal job. Which of the following work activities occupied at least 10 percent of your time during a typical work week on this job?

Mark (X) Yes or No for each item.

1  Accounting, finance, contracts .......... 1  2
2  Basic research – study directed toward gaining scientific knowledge primarily for its own sake .......... 1  2
3  Applied research – study directed toward gaining scientific knowledge to meet a recognized need .......... 1  2
4  Development – using knowledge gained from research for the production of materials, devices .......... 1  2
5  Design of equipment, processes, structures, models .......... 1  2
6  Computer applications, programming, systems development .......... 1  2
7  Employee relations – including recruiting, personnel development, internal training .......... 1  2
8  Managing or supervising people or projects .......... 1  2
9  Production, operations, maintenance (e.g., chip production, operating lab equipment) .......... 1  2
10  Professional services (e.g., health care, counseling, financial services, legal services) .......... 1  2
11  Sales, purchasing, marketing, customer service, public relations .......... 1  2
12  Quality or productivity management .......... 1  2
13  Teaching .......... 1  2
14  Other – Specify

A32. On which two activities in question A31 did you work the most hours during a typical week on this job?

Enter number of appropriate activity from question A31 above.

1  Activity most hours

2  Activity second most hours

(Enter “0” if no second most)

A33. Did you supervise the work of others as part of your principal job held during the week of October 1?

Mark “Yes” if you assigned duties to workers and recommended or initiated personnel actions such as hiring, firing or promoting.

Teachers should not count students.

1  Yes

2  No  Go to question A35

A34. (If Yes) How many people did you typically . . .

Number Supervised

1  Supervise directly? .......... (If none, enter “0”)

2  Supervise through subordinate supervisors? ...... (If none, enter “0”)

A35. Thinking about your principal job held during the week of October 1, please rate your satisfaction with that job’s . . .

Mark (X) one answer for each item.

Very Satisfied Somewhat Satisfied Somewhat Dissatisfied Very Dissatisfied

1  Salary .......... 1  2  3  4
2  Benefits .......... 1  2  3  4
3  Job security .......... 1  2  3  4
4  Job location .......... 1  2  3  4
5  Opportunities for advancement .......... 1  2  3  4
6  Intellectual challenge .......... 1  2  3  4
7  Level of responsibility .......... 1  2  3  4
8  Degree of independence .......... 1  2  3  4
9  Contribution to society .......... 1  2  3  4
**A36.** How would you rate your overall satisfaction with your principal job held during the week of October 1?

Mark (X) one answer.

- □ Very satisfied
- □ Somewhat satisfied
- □ Somewhat dissatisfied
- □ Very dissatisfied

**A37.** Before deductions, what was your basic annual salary on this job as of the week of October 1, 2003?

Do not include bonuses, overtime or additional compensation for summertime teaching or research.

If you are not salaried, please estimate your earned income, excluding business expenses.

$ ___________, ___________.00

ANNUAL SALARY OR EARNED INCOME

**A38.** During a typical week on this job, how many hours did you usually work?

NUMBER OF HOURS PER WEEK ___________

**A39.** Upon how many weeks was your salary based?

Include paid vacation and sick leave.

NUMBER OF WEEKS PER YEAR ___________

**A40.** Thinking back now to 2002, was any of your work during 2002 supported by contracts or grants from the U.S. government?

- □ Mark (X) this box if you did not work in 2002 and then go to page 8, question B1

FEDERAL EMPLOYEES: Please answer “No”.

Mark (X) one answer.

- □ Yes
- □ No
- □ Don’t know

Go to question A42

**A41.** (If Yes) Which Federal agencies or departments were supporting your work?

Mark (X) all that apply.

- □ Agriculture Department (USDA)
- □ Defense Department (DOD)
- □ Department of Education (including NCES, OERI, FIPSE, FIRST)
- □ Energy Department (DOE)
- □ Environmental Protection Agency (EPA)
- □ Health and Human Services Department (excluding NIH)
- □ National Aeronautics and Space Administration (NASA)
- □ National Institutes of Health (NIH)
- □ National Science Foundation (NSF)
- □ Transportation Department (DOT)
- □ Other – Specify

**A42.** Counting all jobs held in 2002, what was your total earned income for 2002, 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 2002 EARNED INCOME
### Part B - Past Employment

**B1.** Were you working for pay or profit during both of these time periods — the week of April 15, 2001, and the week of October 1, 2003?  
- [ ] Yes  
- [ ] No → *Go to question C1 on this page*

**B2.** (If Yes) During these two time periods — the week of April 15, 2001, and the week of October 1, 2003 — were you working for . . .  

Mark (X) one answer.  
- [ ] Same employer and same job → *Go to question C1 on this page*  
- [ ] Same employer but different job  
- [ ] Different employer but same job  
- [ ] Different employer and different job

**B3.** (If Different) Why did you change your employer or your job?  

*Mark (X) Yes or No for each item.*  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

---

### Part C - Other Work-Related Experiences

**C1.** Since October 1998, how many . . .  

Number  

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 1 |  | Papers have you (co)authored for presentation at regional, national or international conferences? *(Do not count presentations of the same work more than once)*  
   |   |  
   |   | *(If none, enter “0”)*  
| 2 |  | Articles, (co)authored by you, have been accepted for publication in a refereed professional journal?  
   |   |  
   |   | *(If none, enter “0”)*  
| 3 |  | Books or monographs, (co)authored by you, have been published or accepted for publication?  
   |   |  
   |   | *(If none, enter “0”)*

**C2.** Since October 1998, have you been named as an inventor on any application for a U.S. patent?  

- [ ] Yes  
- [ ] No → *Go to page 9, question C4*

**C3.** (If Yes) Since October 1998 . . .  

Number  

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 1 |  | How many applications for U.S. patents have named you as an inventor?  
   |   |  
   |   | *(If none, enter “0”)*  
| 2 |  | How many U.S. patents have been granted to you as an inventor?  
   |   |  
   |   | *(If none, enter “0”)*  
| 3 |  | How many of the patents recorded as granted (in category 2 above) have resulted in commercialized products or processes or have been licensed?  
   |   |  
   |   | *(If none, enter “0”)*
C4. During the past year, did you attend any professional society or association meetings or professional conferences?

Include regional, national, or international meetings.

☐ Yes  ☐ No

C5. To how many regional, national or international professional societies or associations do you currently belong?

NUMBER  (If none, enter “0”)

C6. During the past year, did you take any work-related training, such as workshops or seminars?

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

Do not include college coursework for which you were enrolled as a student.

☐ Yes  ☐ No  Go to question C10

C7. (If Yes) During the past year, in which of the following areas did you receive training?

Mark (X) Yes or No for each item.

1 Management or supervisor training .................. 1  ☐ 2  ☐
2 Training in your occupational field ............ 1  ☐ 2  ☐
3 General professional training (e.g., public speaking, business writing, word processing, spreadsheet use, etc.) ................................................. 1  ☐ 2  ☐
4 Other work-related training – Specify  ....................... 1  ☐ 2  ☐

C8. For which of the following reasons did you take training during the past year?

Mark (X) Yes or No for each item.

1 To facilitate a change in your occupational field .................. 1  ☐ 2  ☐
2 To gain further skills or knowledge in your occupational field ............ 1  ☐ 2  ☐
3 For licensure or certification .......................... 1  ☐ 2  ☐
4 To increase opportunities for promotion, advancement, or higher salary ................................................. 1  ☐ 2  ☐
5 To learn skills or knowledge needed for a recently acquired position ...... 1  ☐ 2  ☐
6 Required or expected by employer .................. 1  ☐ 2  ☐
7 Other – Specify ........................................ 1  ☐ 2  ☐

C9. What was your most important reason from question C8 for taking training?

Enter number of appropriate reason from question C8 above.

MOST IMPORTANT REASON

C10. When thinking about a job, how important is each of the following factors to you . . .

Mark (X) one answer for each item.

<table>
<thead>
<tr>
<th></th>
<th>Very Important</th>
<th>Somewhat Important</th>
<th>Somewhat Unimportant</th>
<th>Not Important At All</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salary</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Benefits</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Job security</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Job location</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Opportunities for advancement</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Intellectual challenge</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Level of responsibility</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Degree of independence</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Contribution to society</td>
<td>1</td>
<td>2 3 4</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
Part D - Recent Educational Experiences

D1. Between April 2001 and October 2003, did you complete another degree, such as a Master’s or another doctorate?
   - [ ] Yes
   - [ ] No → Go to question D8

D2. (If Yes) What type of degree did you earn?

   If you completed more than one degree, mark the level for the highest degree awarded.

   Mark (X) one answer.
   1. Bachelor’s degree (e.g., BS, BA, AB)
   2. Master’s degree (e.g., MS, MA, MBA)
   3. Doctorate (e.g., PhD, DSc, EdD, etc.)
   4. Other professional degree (e.g., JD, LLB, MD, DDS, etc.) – Specify

   - [ ] Other – Specify

D3. What was the primary field of study for this degree?

   PRIMARY FIELD OF STUDY

D4. In what month and year was this degree awarded?

   DEGREE AWARDED

<table>
<thead>
<tr>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2000</td>
</tr>
</tbody>
</table>

D5. From which academic institution did you receive this degree?

   College or University Name

   Department

   City/Town

   State/Foreign Country

D6. For which of the following reasons did you obtain this degree?

   Mark (X) Yes or No for each item.

   1. To gain further education before beginning a career
   2. To prepare for graduate school or further education
   3. To change your academic or occupational field
   4. To gain further skills or knowledge in your academic or occupational field
   5. For licensure or certification
   6. To increase opportunities for promotion, advancement or higher salary
   7. Required or expected by employer
   8. For leisure or personal interest
   9. Other – Specify

D7. Were any of your school-related costs for your completed degree paid for by an employer?

   - [ ] Yes
   - [ ] No

D8. During the week of October 1, 2003, were you enrolled in or taking courses at a college or university?

   - [ ] Yes
   - [ ] No → Go to page 11, question E1

D9. (If Yes) Were you taking courses or enrolled as . . .

   Mark (X) one answer.

   1. A full-time student in a degree program
   2. A part-time student in a degree program
   3. Not enrolled in a degree program, but taking courses
D10. Toward what degree were you working?

If you were working toward more than one degree, mark the level for the highest degree.

Mark (X) one answer.

☐ No specific degree → Go to question D12
☐ Bachelor’s degree (e.g., BS, BA, AB)
☐ Master’s degree (e.g., MS, MA, MBA)
☐ Doctorate (e.g., PhD, DSc, EdD, etc.)
☐ Other professional degree (e.g., JD, LLB, MD, DDS, etc.) – Specify
☐ Other – Specify

D11. What was the primary field of study for this degree?

PRIMARY FIELD OF STUDY

D12. For which of the following reasons were you taking courses or enrolled?

Mark (X) Yes or No for each item.

1. To gain further education before beginning a career .................. 1  2
2. To prepare for graduate school or further education .................. 1  2
3. To change your academic or occupational field .................. 1  2
4. To gain further skills or knowledge in your academic or occupational field .................. 1  2
5. For licensure or certification .................. 1  2
6. To increase opportunities for promotion, advancement or higher salary .................. 1  2
7. Required or expected by employer .................. 1  2
8. For leisure or personal interest .................. 1  2
9. Other – Specify .................. 1  2

D13. Were any of your school-related costs for taking courses paid for by an employer?

☐ Yes
☐ No

Part E - Demographic Information

E1. On October 1, 2003, were you . . .

Mark (X) one answer.

1. Married
2. Living in a marriage-like relationship
3. Widowed
4. Separated
5. Divorced
6. Never married

E2. (If Married or Living in a marriage-like relationship)
During the week of October 1, was your spouse or partner working for pay or profit at a full-time or part-time job?

1. Yes, full-time
2. Yes, part-time
3. No → Go to page 12, question E4

E3. (If Yes) Did your spouse’s or partner’s duties on this job require the technical expertise of a bachelor’s degree or higher in . . .

Mark (X) Yes or No for each item.

1. Engineering, computer science, math, or the natural sciences .................. 1  2
2. The social sciences .................. 1  2
3. Some other field (e.g., health, business, or education) – Specify .................. 1  2
E4. On October 1, 2003, 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.

☐ Yes
☐ No → Go to question E6

E5. (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 12-18
5. Aged 19 or older

E6. On October 1, 2003, were you living in the United States, Puerto Rico, or other U.S. territories, or were you living in another country?

☐ United States, Puerto Rico, or other U.S. territories
☐ Another country

E7. On October 1, 2003, were you a . . .

☐ U.S. citizen
☐ Non-U.S. citizen → Go to question E9


Mark (X) one answer.

☐ Born in the United States, Puerto Rico, or other U.S. territories
☐ Born abroad of American parent(s)
☐ By naturalization → Go to page 13, question E12


☐ With a Permanent U.S. Resident Visa (Green Card)
☐ With a Temporary U.S. Resident Visa → Go to page 13, question E11

E10. (If a Temporary U.S. Resident Visa Holder) On October 1, 2003, did you hold a visa issued . . .

Mark (X) one answer.

☐ For temporary work (e.g., H-1B, L-1A, L-1B, etc.)
☐ For study or training (e.g., F-1, J-1, H-3, etc.)
☐ To you as the dependent of another person (e.g., F-2, H-4, J-2, K-2, L-2, etc.)
☐ For any other reason – Specify visa type
E11. (If Non-U.S. citizen) Of which country are you a citizen?

COUNTRY

E12. In what year did you first come to the United States for six months or longer?

YEAR

E13. What kind of visa did you hold when you first came to the United States for six months or longer?

Mark (X) one answer.

1. Permanent U.S. Resident Visa (Green Card)
2. Temporary U.S. Resident Visa for temporary work (e.g., H-1B, L-1A, L-1B, etc.)
3. Temporary U.S. Resident Visa for study or training (e.g., F-1, J-1, H-3, etc.)
4. Temporary U.S. Resident Visa as the dependent of another person (e.g., F-2, H-4, J-2, K-2, L-2, etc.)
5. Other Temporary U.S. Resident Visa – Specify visa type

E14. Which factors were important in your decision to first come to the United States for six months or longer?

Mark (X) Yes or No for each item.

Yes No

1. Family-related reasons
2. Educational opportunities in the United States
3. Job or economic opportunities
4. Scientific or professional infrastructure in my field
5. Other – Specify

E15. Which two factors in question E14 were the most important reasons in your decision to come to the United States?

Enter number of appropriate reason from question E14 above.

1. Most important reason

2. Second most important reason
   (Enter “0” if no second reason)

E16. Are you a citizen of more than one country?

1. Yes
2. No

E17. What is your birthdate?

Month Day Year 19
The next several questions are designed to help us better understand the career paths of individuals with different physical abilities.

E18. What is the USUAL degree of difficulty you have with . . .

Mark (X) one answer for each item.

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

E19. Mark (X) this box if you answered “None” to all the activities in question E18, and go to question E21.

E20. What is the earliest age at which you first began experiencing any difficulties in any of these areas?

AGE   OR  □ ← SINCE BIRTH

E21. In case we need to clarify some of the information you have provided, please list a phone number and an e-mail address where you can be reached.

Daytime Phone Number

Area Code - Number

Evening Phone Number

Area Code - Number

E-mail Address

E22. Since we are interested in how education and employment change over time, we may be recontacting you in 2005. To help us contact you, please provide the name and contact information for 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 2005.

First Name  MI  Last Name

First Name  MI  Last Name

Number and Street

Number and Street

City/Town  State  ZIP Code

City/Town  State  ZIP Code

Country (if outside of U.S.)

Country (if outside of U.S.)

Area Code - Number

Area Code - Number

E23. PLEASE TURN TO THE BACK COVER FOR THE LAST QUESTION (E24).
JOB CATEGORY LIST

(PAGES 16-17)
### JOB CATEGORY

If you cannot find the code that best describes your job, use the “OTHER” code under the most appropriate broad category. If none of the codes fit your job, use Code 500.

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Artists, Broadcasters, Editors, Entertainers, Public Relations Specialists, Writers</td>
</tr>
<tr>
<td>021</td>
<td>Agricultural and food scientists</td>
</tr>
<tr>
<td>022</td>
<td>Biochemists and biophysicists</td>
</tr>
<tr>
<td>023</td>
<td>Biological scientists (e.g., botanists, ecologists, zoologists)</td>
</tr>
<tr>
<td>024</td>
<td>Forestry and conservation scientists</td>
</tr>
<tr>
<td>025</td>
<td>Medical scientists (excluding practitioners)</td>
</tr>
<tr>
<td>026</td>
<td>Technologists and technicians in the biological/life sciences</td>
</tr>
<tr>
<td>027</td>
<td>OTHER biological and life scientists</td>
</tr>
<tr>
<td>031</td>
<td>Accounting clerks and bookkeepers</td>
</tr>
<tr>
<td>032</td>
<td>Secretaries, receptionists, typists</td>
</tr>
<tr>
<td>033</td>
<td>OTHER administrative (e.g., record clerks, telephone operators)</td>
</tr>
<tr>
<td>040</td>
<td>Clergy and Other Religious Workers</td>
</tr>
<tr>
<td>051</td>
<td>Computer and information scientists, research</td>
</tr>
<tr>
<td>052</td>
<td>Computer programmers (business, scientific, process control)</td>
</tr>
<tr>
<td>053</td>
<td>Computer support specialists</td>
</tr>
<tr>
<td>054</td>
<td>Computer system analysts</td>
</tr>
<tr>
<td>055</td>
<td>Database administrators</td>
</tr>
<tr>
<td>056</td>
<td>Network and computer systems administrators</td>
</tr>
<tr>
<td>057</td>
<td>Network systems and data communications analysts</td>
</tr>
<tr>
<td>058</td>
<td>OTHER computer and information science occupations</td>
</tr>
<tr>
<td>070</td>
<td>Counselors (Educational, vocational, mental health, and substance abuse) (Also see 236)</td>
</tr>
<tr>
<td>081</td>
<td>Architects</td>
</tr>
<tr>
<td>082</td>
<td>Aeronautical, aerospace, and astronautical engineers</td>
</tr>
<tr>
<td>083</td>
<td>Agricultural engineers</td>
</tr>
<tr>
<td>084</td>
<td>Bioengineers and biomedical engineers</td>
</tr>
<tr>
<td>085</td>
<td>Chemical engineers</td>
</tr>
<tr>
<td>086</td>
<td>Civil, including architectural and sanitary engineers</td>
</tr>
<tr>
<td>087</td>
<td>Computer engineers - hardware</td>
</tr>
<tr>
<td>088</td>
<td>Computer engineers - software</td>
</tr>
<tr>
<td>089</td>
<td>Electrical and electronics engineers</td>
</tr>
<tr>
<td>090</td>
<td>Environmental engineers</td>
</tr>
<tr>
<td>091</td>
<td>Industrial engineers</td>
</tr>
<tr>
<td>092</td>
<td>Marine engineers and naval architects</td>
</tr>
<tr>
<td>093</td>
<td>Materials and metallurgical engineers</td>
</tr>
<tr>
<td>094</td>
<td>Mechanical engineers</td>
</tr>
<tr>
<td>095</td>
<td>Mining and geological engineers</td>
</tr>
<tr>
<td>096</td>
<td>Nuclear engineers</td>
</tr>
<tr>
<td>097</td>
<td>Petroleum engineers</td>
</tr>
<tr>
<td>098</td>
<td>Sales engineers</td>
</tr>
<tr>
<td>099</td>
<td>OTHER engineers</td>
</tr>
<tr>
<td>100</td>
<td>Electrical, electronic, industrial, and mechanical technicians</td>
</tr>
<tr>
<td>101</td>
<td>Drafting occupations, including computer drafting</td>
</tr>
<tr>
<td>102</td>
<td>Surveying and mapping technicians</td>
</tr>
<tr>
<td>103</td>
<td>OTHER engineering technologists and technicians</td>
</tr>
<tr>
<td>104</td>
<td>Surveyors, cartographers, photogrammetrists</td>
</tr>
<tr>
<td>110</td>
<td>Farmers, Foresters and Fishermen</td>
</tr>
<tr>
<td>111</td>
<td>Diagnosing/treating practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)</td>
</tr>
<tr>
<td>112</td>
<td>Registered nurses, pharmacists, dieticians, therapists, physician assistants</td>
</tr>
<tr>
<td>236</td>
<td>Psychologists, including clinical (Also see 070)</td>
</tr>
<tr>
<td>113</td>
<td>Health technologists and technicians (e.g., dental hygienists, health record technologist/technicians, licensed practical nurses, medical or laboratory technicians, radiological technicians)</td>
</tr>
<tr>
<td>114</td>
<td>OTHER health occupations</td>
</tr>
<tr>
<td>120</td>
<td>Lawyers, Judges</td>
</tr>
<tr>
<td>130</td>
<td>Librarians, Archivists, Curators</td>
</tr>
<tr>
<td>141</td>
<td>Top-level managers, executives, administrators (e.g., CEO/COO/CFO, president, district manager, general manager, legislator, chancellor, provost)</td>
</tr>
<tr>
<td>142</td>
<td>Computer and information systems managers</td>
</tr>
<tr>
<td>143</td>
<td>Engineering managers</td>
</tr>
<tr>
<td>144</td>
<td>Medical and health services managers</td>
</tr>
<tr>
<td>145</td>
<td>Natural sciences managers</td>
</tr>
<tr>
<td>146</td>
<td>Education administrators (e.g., registrar, dean, principal)</td>
</tr>
<tr>
<td>147</td>
<td>OTHER mid-level managers</td>
</tr>
</tbody>
</table>
### Management-Related Occupations
(Also see 141-147)

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>Accountants, auditors, and other financial specialists</td>
</tr>
<tr>
<td>152</td>
<td>Personnel, training, and labor relations specialists</td>
</tr>
<tr>
<td>153</td>
<td>OTHER management related occupations</td>
</tr>
</tbody>
</table>

### Mathematical Scientists

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>171</td>
<td>Actuaries</td>
</tr>
<tr>
<td>172</td>
<td>Mathematicians</td>
</tr>
<tr>
<td>173</td>
<td>Operations research analysts, including modeling</td>
</tr>
<tr>
<td>174</td>
<td>Statisticians</td>
</tr>
<tr>
<td>175</td>
<td>Technologists/technicians in the mathematical sciences</td>
</tr>
<tr>
<td>176</td>
<td>OTHER mathematical scientists</td>
</tr>
</tbody>
</table>

### Physical Scientists

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>191</td>
<td>Astronomers</td>
</tr>
<tr>
<td>192</td>
<td>Atmospheric and space scientists</td>
</tr>
<tr>
<td>193</td>
<td>Chemists, except biochemists</td>
</tr>
<tr>
<td>194</td>
<td>Geologists, including earth scientists</td>
</tr>
<tr>
<td>195</td>
<td>Oceanographers</td>
</tr>
<tr>
<td>196</td>
<td>Physicists</td>
</tr>
<tr>
<td>197</td>
<td>Technologists and technicians in the physical sciences</td>
</tr>
<tr>
<td>198</td>
<td>OTHER physical scientists</td>
</tr>
</tbody>
</table>

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

### Sales and Marketing Occupations

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Insurance, securities, real estate, and business services</td>
</tr>
<tr>
<td>201</td>
<td>Sales occupations - commodities except retail (e.g., industrial machinery/equipment/supplies, medical and dental equipment/supplies)</td>
</tr>
<tr>
<td>202</td>
<td>Sales occupations – retail (e.g., furnishings, clothing, motor vehicles, cosmetics)</td>
</tr>
<tr>
<td>203</td>
<td>OTHER marketing and sales occupations</td>
</tr>
</tbody>
</table>

### Service Occupations, Except Health
(Also see 111-114)

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>221</td>
<td>Food preparation and services (e.g., cooks, waitresses, bartenders)</td>
</tr>
<tr>
<td>222</td>
<td>Protective services (e.g., fire fighters, police, guards, wardens, park rangers)</td>
</tr>
<tr>
<td>223</td>
<td>OTHER service occupations, except health (e.g., probation officers, human services workers)</td>
</tr>
</tbody>
</table>

### Social Scientists

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>231</td>
<td>Anthropologists</td>
</tr>
<tr>
<td>232</td>
<td>Economists</td>
</tr>
<tr>
<td>233</td>
<td>Historians</td>
</tr>
<tr>
<td>235</td>
<td>Political scientists</td>
</tr>
<tr>
<td>236</td>
<td>Psychologists, including clinical (Also see 070)</td>
</tr>
<tr>
<td>237</td>
<td>Sociologists</td>
</tr>
<tr>
<td>238</td>
<td>OTHER social scientists</td>
</tr>
</tbody>
</table>

### Teachers and Professors

#### Precollegiate Teachers
- 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 Professors
- 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 Sciences
- 278 Economics
- 279 Education
- 280 Engineering
- 281 English
- 282 Foreign Languages
- 283 History
- 286 Mathematics and Statistics
- 287 Health and Related Sciences
- 288 Physical Education
- 289 Physics
- 290 Political Science
- 291 Psychology
- 293 Sociology
- 297 OTHER Natural Sciences
- 298 OTHER Social Sciences
- 299 OTHER Postsecondary fields
- 300 OTHER teachers and instructors (e.g., private tutors, dance or flying instructors, martial arts instructors)

### Other Professions

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>401</td>
<td>Construction and extraction occupations</td>
</tr>
<tr>
<td>402</td>
<td>Installation, maintenance, and repair occupations</td>
</tr>
<tr>
<td>403</td>
<td>Precision/production occupations (e.g., metal workers, woodworkers, butchers, bakers, assemblers, printing occupations, tailors, shoemakers, photographic process)</td>
</tr>
<tr>
<td>405</td>
<td>Transportation and material moving occupations</td>
</tr>
</tbody>
</table>

### OTHER OCCUPATIONS (Not Listed)

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>OTHER OCCUPATIONS (Not Listed)</td>
</tr>
</tbody>
</table>
E24. How would you like to complete future rounds of this survey?

Mark (X) one answer.

☐ A questionnaire sent in the mail
☐ A questionnaire that you can fill out on the World Wide Web
☐ A telephone interview
☐ No preference

THANK YOU FOR COMPLETING THE QUESTIONNAIRE.

Please return the completed form in the envelope provided.

If you cannot find the envelope and want another, call 1-800-685-1663, or you may request an envelope at the NORC 2003 Survey of Doctorate Recipients Website. Follow the “Request an Envelope” link at www.norc.uchicago.edu/sdr.htm.

Our mailing address is:

2003 Survey of Doctorate Recipients
c/o National Opinion Research Center
1 North State, 16th Floor
Chicago, IL 60602-3305

COMMENTS ABOUT THIS SURVEY