

2003

# Survey of Doctorate Recipients

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



## National Science Foundation

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First Name M.I.

\_\_\_\_\_  
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\_\_\_\_\_  
Number and Street

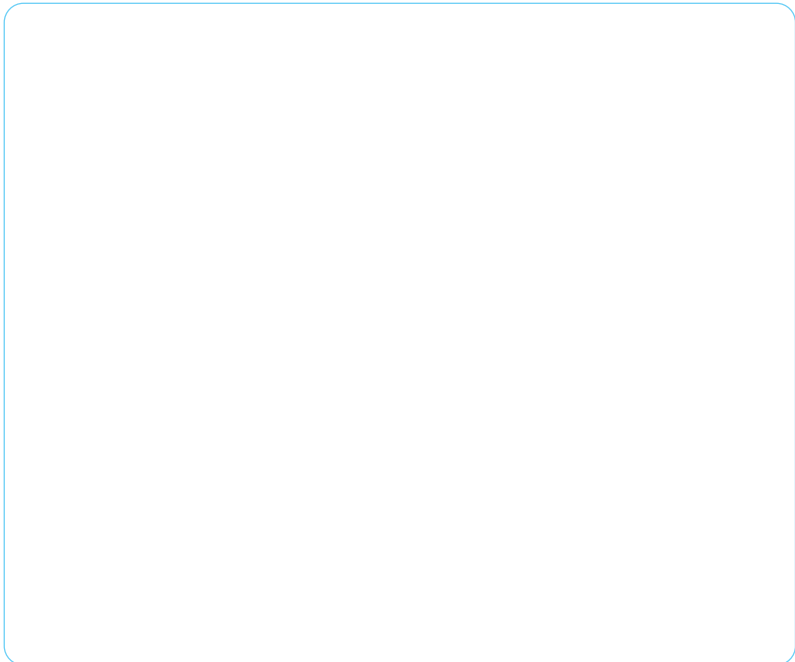
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City/Town

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State ZIP Code

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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](mailto:SDR@norc.uchicago.edu). Our mailing address is: 2003 Survey of Doctorate Recipients, c/o NORC, 1 North State Street, 16<sup>th</sup> 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.

## Part A - Employment Situation

### 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.

1  Yes → **Go to question A7**

2  No

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

1  Yes

2  No

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

Mark (X) all that apply.

1  Retired →

Year retired			

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 October 1, 2003, when did you last work for pay or profit?

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

Month		Year			

LAST WORKED

### 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 

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 → **Go to page 7, question A40**

### A7. (If you worked during week of October 1<sup>st</sup>) 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.

- 1  Retired or semi-retired → 

Year retired
- 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

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.

- 1  Yes → 

Year retired
- 2  No

**Principal Employer**

**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

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Department/Division

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Street

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City/Town

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State

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ZIP Code

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**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



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**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

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**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

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**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

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**A19. What was your faculty rank?**

Mark (X) one answer.

- 1  Not applicable: no ranks designated at this institution
- 2  Not applicable: no ranks designated for my position
- 3  Professor
- 4  Associate Professor
- 5  Assistant Professor
- 6  Instructor
- 7  Lecturer
- 8  Other – Specify ↴

**A20. What was your tenure status?**

Mark (X) one answer.

- 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

**Principal Job**

**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*


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**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.

- |  | Yes<br>↓                   | No<br>↓                    |
|--|----------------------------|----------------------------|
| 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, business, or education) – Specify ↴... | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

**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.

- 1  Yes
- 2  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<br>↓  | No<br>↓                    |
|--|---|----------------------------|
| 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"/> |
|  | <input style="width: 100%; height: 20px;" type="text"/> |                            |

**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)?**

JOB STARTED

Month			Year				
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**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 } **Go to page 6, question A31**
- 2  Somewhat related }
- 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<br>↓  | No<br>↓                    |
|--|---|----------------------------|
| 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 doctoral degree field not available .....                     | 1 <input type="checkbox"/>                              | 2 <input type="checkbox"/> |
| 7 Some other reason – Specify ↗.....                                   | 1 <input type="checkbox"/>                              | 2 <input type="checkbox"/> |
|  | <input style="width: 100%; height: 20px;" type="text"/> |                            |

**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.

- |   | Yes<br>↓                   | No<br>↓                    |
|---|----------------------------|----------------------------|
| 1 Accounting, finance, contracts .....  | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2 Basic research – study directed toward gaining scientific knowledge primarily for its own sake .....  | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3 Applied research – study directed toward gaining scientific knowledge to meet a recognized need ..... | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4 Development – using knowledge gained from research for the production of materials, devices .....     | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5 Design of equipment, processes, structures, models.....   | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 6 Computer applications, programming, systems development .....   | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 7 Employee relations – including recruiting, personnel development, internal training .....             | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 8 Managing or supervising people or projects.....   | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 9 Production, operations, maintenance (e.g., chip production, operating lab equipment) .....            | 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 – <i>Specify</i> <u>z</u> .....  | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

**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 

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 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 <u>directly</u> ? .....	<input style="width: 80px;" type="text"/> (If none, enter "0")
2 Supervise through subordinate supervisors? .....	<input style="width: 80px;" type="text"/> (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 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
2 Benefits .....	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
3 Job security .....	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
4 Job location .....	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
5 Opportunities for advancement .....	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
6 Intellectual challenge.....	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
7 Level of responsibility .....	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
8 Degree of independence .....	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
9 Contribution to society .....	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>



**A36.** How would you rate your overall satisfaction with your principal job held during the week of October 1?

Mark (X) one answer.

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

- 0  ← 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.

- 1  Yes  
 2  No  
 3  Don't know
- Go to question A42

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

Mark (X) all that apply.

- 1  Agriculture Department (USDA)  
 2  Defense Department (DOD)  
 3  Department of Education (including NCES, OERI, FIPSE, FIRST)  
 4  Energy Department (DOE)  
 5  Environmental Protection Agency (EPA)  
 6  Health and Human Services Department (excluding NIH)  
 7  National Aeronautics and Space Administration (NASA)  
 8  National Institutes of Health (NIH)  
 9  National Science Foundation (NSF)  
 10  Transportation Department (DOT)  
 11  Other – Specify   
 12  DON'T KNOW SOURCE AGENCY

**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
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TOTAL 2002 EARNED INCOME

**Part B - Past Employment**

**Part C - Other Work-Related Experiences**

**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?

- 1  Yes
- 2  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.

- 1  Same employer and same job → **Go to question C1 on this page**
- 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 item.

- |  | 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 Some other reason – Specify <u>z</u> .....   | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

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

Number

- 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?

- 1  Yes
- 2  No → **Go to page 9, question C4**

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

Number

- 1 How many applications for U.S. patents have named you as an inventor? .....
- 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.*

- 1  Yes
- 2  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.*

- 1  Yes
- 2  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.*

- |   | Yes<br>↓                   | No<br>↓                    |
|---|----------------------------|----------------------------|
| 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, word processing, spreadsheet use, etc.) ..... | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4 Other work-related training – Specify <input style="width: 100px;" type="text"/>                                      | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

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

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

- |  | Yes<br>↓                   | No<br>↓                    |
|--|----------------------------|----------------------------|
| 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 or certification .....   | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4 To increase opportunities for promotion, advancement, or 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 <input style="width: 100px;" type="text"/>                   | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

**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.*

- |                                       | Very Important<br>↓        | Somewhat Important<br>↓    | Somewhat Unimportant<br>↓  | Not Important At All<br>↓  |
|---------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 1 Salary .....                        | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 2 Benefits .....                      | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 3 Job security .....                  | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 4 Job location .....                  | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 5 Opportunities for advancement ..... | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 6 Intellectual challenge .....        | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 7 Level of responsibility .....       | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 8 Degree of independence .....        | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |
| 9 Contribution to society .....       | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> |

**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?

- 1  Yes
- 2  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

- 5  Other – Specify

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

PRIMARY FIELD OF STUDY


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

		Month		Year			
DEGREE AWARDED				2	0	0	

**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.

- |  | Yes<br>↓                   | No<br>↓                    |
|--|----------------------------|----------------------------|
| 1 To gain further education before beginning a career.....                               | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2 To prepare for graduate school or further education .....                              | 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 <u>further</u> skills or knowledge in your academic or occupational field..... | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5 For licensure or 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 or personal interest.....  | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 9 Other – Specify <input style="width: 100px;" type="text"/>                             | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

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

- 1  Yes
- 2  No

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

- 1  Yes
- 2  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.

0  No specific degree → **Go to question D12**

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 ↴

5  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.

- |  | Yes<br>↓                   | No<br>↓                    |
|--|----------------------------|----------------------------|
| 1 To gain further education before beginning a career .....                        | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2 To prepare for graduate school or further education .....                        | 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 or 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 or personal interest .....   | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 9 Other – Specify ↴ .....  | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

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

- 1  Yes  
 2  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

Go to page 12, question E4

**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.

- |   | Yes<br>↓                   | No<br>↓                    |
|---|----------------------------|----------------------------|
| 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, business, or education) – Specify ↴ ..... | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

**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.*

- 1  Yes
- 2  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 .....	<input style="width: 40px;" type="text"/>
2 Aged 2-5.....	<input style="width: 40px;" type="text"/>
3 Aged 6-11 .....	<input style="width: 40px;" type="text"/>
4 Aged 12-18 .....	<input style="width: 40px;" type="text"/>
5 Aged 19 or older .....	<input style="width: 40px;" type="text"/>

**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?**

- 1  United States, Puerto Rico, or other U.S. territories
- 2  Another country

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

- 1  U.S. citizen
- 2  Non-U.S. citizen → **Go to question E9**

**E8. (If U.S. citizen) Were you a U.S. citizen . . .**

*Mark (X) one answer.*

- 1  Born in the United States, Puerto Rico, or other U.S. territories
  - 2  Born abroad of American parent(s)
  - 3  By naturalization → **Go to page 13, question E12**
- Go to page 13, question E16**

**E9. (If Non-U.S. citizen) Were you a non-U.S. citizen . . .**

- 1  With a Permanent U.S. Resident Visa (Green Card)

OBTAINED IN 

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**Go to page 13, question E11**

- 2  With a Temporary U.S. Resident Visa

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

*Mark (X) one answer.*

- 1  For temporary work (e.g., H-1B, L-1A, L-1B, etc.)
- 2  For study or training (e.g., F-1, J-1, H-3, etc.)
- 3  To you as the dependent of another person (e.g., F-2, H-4, J-2, K-2, L-2, etc.)
- 4  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<br>↓                   | No<br>↓                    |
|---|----------------------------|----------------------------|
| 1 Family-related reasons .....                                | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 2 Educational opportunities in the United States .....        | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3 Job or economic opportunities .....                         | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4 Scientific or professional infrastructure in my field ..... | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5 Other – Specify <input checked="" type="checkbox"/>         | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

**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.

	None ↓	Slight ↓	Moderate ↓	Severe ↓	Unable to Do ↓
1 SEEING words or letters in ordinary newsprint (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"/>

**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.*

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">First Name</td> <td style="width: 5%;">MI</td> <td style="width: 75%;">Last Name</td> </tr> <tr> <td colspan="3" style="height: 20px;">Number and Street</td> </tr> <tr> <td style="width: 60%;">City/Town</td> <td style="width: 15%;">State</td> <td style="width: 25%;">ZIP Code</td> </tr> <tr> <td colspan="3" style="height: 20px;">Country (if outside of U.S.)</td> </tr> <tr> <td style="width: 20%;">Area Code</td> <td style="width: 20%;">Number</td> <td style="width: 60%;"></td> </tr> </table>	First Name	MI	Last Name	Number and Street			City/Town	State	ZIP Code	Country (if outside of U.S.)			Area Code	Number		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">First Name</td> <td style="width: 5%;">MI</td> <td style="width: 75%;">Last Name</td> </tr> <tr> <td colspan="3" style="height: 20px;">Number and Street</td> </tr> <tr> <td style="width: 60%;">City/Town</td> <td style="width: 15%;">State</td> <td style="width: 25%;">ZIP Code</td> </tr> <tr> <td colspan="3" style="height: 20px;">Country (if outside of U.S.)</td> </tr> <tr> <td style="width: 20%;">Area Code</td> <td style="width: 20%;">Number</td> <td style="width: 60%;"></td> </tr> </table>	First Name	MI	Last Name	Number and Street			City/Town	State	ZIP Code	Country (if outside of U.S.)			Area Code	Number	
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Country (if outside of U.S.)																															
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**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.

### 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 and life scientists

#### **Clerical/Administrative Support Occupations**

- 031 Accounting clerks and 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 Engineers)*
- 051 Computer and information scientists, research
- 052 Computer programmers (business, scientific, process control)
- 053 Computer support specialists
- 054 Computer system analysts
- 055 Database administrators
- 056 Network and computer systems administrators
- 057 Network systems and data communications analysts
- 058 OTHER computer and information science occupations

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

- 070 **Counselors** (Educational, vocational, mental health, and substance abuse) *(Also see 236)*

#### **Engineers and Architects**

- 081 Architects
- \*\*\* Engineers *(Also see 100-104)*
- 082 Aeronautical, aerospace, and astronautical engineers
- 083 Agricultural engineers
- 084 Bioengineers and biomedical engineers
- 085 Chemical engineers
- 086 Civil, including architectural and sanitary engineers
- 087 Computer engineers - hardware
- 088 Computer engineers - software
- 089 Electrical and electronics engineers
- 090 Environmental engineers
- 091 Industrial engineers

#### **Engineers (Continued)** *(Also see 100-104)*

- 092 Marine engineers and naval architects
- 093 Materials and metallurgical engineers
- 094 Mechanical engineers
- 095 Mining and geological engineers
- 096 Nuclear engineers
- 097 Petroleum engineers
- 098 Sales engineers
- 099 OTHER engineers

#### **Engineering Technologists, Technicians, and Surveyors**

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

### 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 *(Also see 070)*
- 113 Health technologists and technicians (e.g., dental hygienists, health record technologist/technicians, licensed practical nurses, medical or laboratory technicians, radiological technicians)
- 114 OTHER health occupations

### 120 **Lawyers, Judges**

### 130 **Librarians, Archivists, Curators**

#### \*\*\* **Managers/Supervisors, First Line** *(Select the code that comes closest to the field you manage)*

#### **Managers, Top-Level Executives, Administrators** *(People who manage other managers)*

- 141 Top-level managers, executives, administrators (e.g., CEO/COO/CFO, president, district manager, general manager, legislator, chancellor, provost)

#### **Managers, Other** *(Also see 151-153)*

- 142 Computer and information systems managers
- 143 Engineering managers
- 144 Medical and health services managers
- 145 Natural sciences managers
- 146 Education administrators (e.g., registrar, dean, principal)
- 147 OTHER mid-level managers

## JOB CATEGORY (Continued)

<p><b>Management-Related Occupations</b> <i>(Also see 141-147)</i></p> <p>151 Accountants, auditors, and other financial specialists 152 Personnel, training, and labor relations specialists 153 OTHER management related occupations</p> <p><b>Mathematical Scientists</b></p> <p>171 Actuaries 172 Mathematicians 173 Operations research analysts, including modeling 174 Statisticians 175 Technologists/technicians in the mathematical sciences 176 OTHER mathematical scientists</p> <p><b>Physical Scientists</b></p> <p>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</p> <p>*** <b>Research Associates/Assistants</b> <i>(Select the code that comes closest to your field)</i></p> <p><b>Sales and Marketing Occupations</b></p> <p>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</p> <p><b>Service Occupations, Except Health</b> <i>(Also see 111-114)</i></p> <p>221 Food preparation and services (e.g., cooks, waitresses, bartenders) 222 Protective services (e.g., fire fighters, police, guards, wardens, park rangers) 223 OTHER service occupations, except health (e.g., probation officers, human services workers)</p> <p><b>Social Scientists</b></p> <p>231 Anthropologists 232 Economists 233 Historians 235 Political scientists 236 Psychologists, including clinical <i>(Also see 070)</i> 237 Sociologists 238 OTHER social scientists</p>	<p>240 <b>Social Workers</b></p> <p><b>Teachers and Professors</b></p> <p>*** 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</p> <p>*** 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</p> <p>300 OTHER teachers and instructors (e.g., private tutors, dance or flying instructors, martial arts instructors)</p> <p><b>Other Professions</b></p> <p>401 Construction and extraction occupations 402 Installation, maintenance, and repair occupations 403 Precision/production occupations (e.g., metal workers, woodworkers, butchers, bakers, assemblers, printing occupations, tailors, shoemakers, photographic process) 405 Transportation and material moving occupations</p> <p>500 <b>OTHER OCCUPATIONS (Not Listed)</b></p>
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**E24. How would you like to complete future rounds of this survey?**

*Mark (X) one answer.*

- 1  A questionnaire sent in the mail
- 2  A questionnaire that you can fill out on the World Wide Web
- 3  A telephone interview
- 4  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](http://www.norc.uchicago.edu/sdr.htm).**

**Our mailing address is:**

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

**COMMENTS ABOUT THIS SURVEY**