

TABLE A-6

Response rates for science, engineering, and health organizational units: 1975–2022

(Number and percent)

| Year | Total | Total response | | Complete response | | Partial response | | Nonresponse | |
|----------------------|--------|----------------|---------|-------------------|---------|------------------|---------|-------------|---------|
| | | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| 1975 | 9,162 | 8,998 | 98.2 | 8,998 | 98.2 | NA | NA | 164 | 1.8 |
| 1976 ^a | 9,275 | 9,148 | 98.6 | 9,148 | 98.6 | NA | NA | 127 | 1.4 |
| 1977 | 9,513 | 9,432 | 99.1 | 9,432 | 99.1 | NA | NA | 81 | 0.9 |
| 1978 ^b | 8,242 | 8,077 | 98.0 | 8,077 | 98.0 | NA | NA | 165 | 2.0 |
| 1979 | 9,796 | 9,446 | 96.4 | 9,446 | 96.4 | NA | NA | 350 | 3.6 |
| 1980 | 9,930 | 9,593 | 96.6 | 9,593 | 96.6 | NA | NA | 337 | 3.4 |
| 1981 | 9,917 | 9,207 | 92.8 | 8,594 | 86.7 | 613 | 6.2 | 710 | 7.2 |
| 1982 | 9,776 | 8,848 | 90.5 | 8,104 | 82.9 | 744 | 7.6 | 928 | 9.5 |
| 1983 | 9,663 | 8,886 | 92.0 | 8,070 | 83.5 | 816 | 8.4 | 777 | 8.0 |
| 1984 | 8,748 | 8,133 | 93.0 | 7,490 | 85.6 | 643 | 7.4 | 615 | 7.0 |
| 1985 | 9,025 | 8,490 | 94.1 | 7,818 | 86.6 | 672 | 7.4 | 535 | 5.9 |
| 1986 | 9,097 | 8,596 | 94.5 | 7,817 | 85.9 | 779 | 8.6 | 501 | 5.5 |
| 1987 | 9,254 | 8,745 | 94.5 | 8,030 | 86.8 | 715 | 7.7 | 509 | 5.5 |
| 1988 | 10,295 | 9,782 | 95.0 | 8,812 | 85.6 | 970 | 9.4 | 513 | 5.0 |
| 1989 | 10,318 | 9,799 | 95.0 | 8,908 | 86.3 | 891 | 8.6 | 519 | 5.0 |
| 1990 | 10,483 | 9,937 | 94.8 | 8,884 | 84.7 | 1,053 | 10.0 | 546 | 5.2 |
| 1991 | 10,705 | 10,238 | 95.6 | 9,052 | 84.6 | 1,186 | 11.1 | 467 | 4.4 |
| 1992 | 10,936 | 10,604 | 97.0 | 9,066 | 82.9 | 1,538 | 14.1 | 332 | 3.0 |
| 1993 | 11,146 | 10,711 | 96.1 | 9,156 | 82.1 | 1,555 | 14.0 | 435 | 3.9 |
| 1994 | 11,411 | 10,972 | 96.2 | 8,863 | 77.7 | 2,109 | 18.5 | 439 | 3.8 |
| 1995 | 11,598 | 11,244 | 96.9 | 9,514 | 82.0 | 1,730 | 14.9 | 354 | 3.1 |
| 1996 | 11,592 | 11,373 | 98.1 | 9,851 | 85.0 | 1,522 | 13.1 | 219 | 1.9 |
| 1997 | 11,597 | 11,385 | 98.2 | 9,720 | 83.8 | 1,665 | 14.4 | 212 | 1.8 |
| 1998 | 11,718 | 11,528 | 98.4 | 9,822 | 83.8 | 1,706 | 14.6 | 190 | 1.6 |
| 1999 | 11,833 | 11,685 | 98.7 | 9,396 | 79.4 | 2,289 | 19.3 | 148 | 1.3 |
| 2000 | 11,899 | 11,783 | 99.0 | 9,818 | 82.5 | 1,965 | 16.5 | 116 | 1.0 |
| 2001 | 11,967 | 11,852 | 99.0 | 10,121 | 84.6 | 1,731 | 14.5 | 115 | 1.0 |
| 2002 | 12,126 | 12,001 | 99.0 | 10,434 | 86.0 | 1,567 | 12.9 | 125 | 1.0 |
| 2003 | 12,261 | 12,052 | 98.3 | 10,343 | 84.4 | 1,709 | 13.9 | 209 | 1.7 |
| 2004old ^c | 12,240 | 12,035 | 98.3 | 10,426 | 85.2 | 1,609 | 13.1 | 205 | 1.7 |
| 2004new ^d | 12,240 | 11,998 | 98.0 | 10,524 | 86.0 | 1,474 | 12.0 | 242 | 2.0 |
| 2005 ^d | 12,396 | 12,053 | 97.2 | 10,783 | 87.0 | 1,270 | 10.2 | 343 | 2.8 |
| 2006 ^d | 12,320 | 11,991 | 97.3 | 10,814 | 87.8 | 1,177 | 9.6 | 329 | 2.7 |
| 2007 ^e | 12,629 | 12,310 | 97.5 | 11,020 | 87.3 | 1,290 | 10.2 | 319 | 2.5 |
| 2008 | 13,166 | 13,010 | 98.8 | 11,574 | 87.9 | 1,436 | 10.9 | 156 | 1.2 |
| 2009 | 13,285 | 13,187 | 99.3 | 11,709 | 88.1 | 1,478 | 11.1 | 98 | 0.7 |
| 2010 ^f | 13,711 | 13,583 | 99.1 | 11,601 | 84.6 | 1,982 | 14.5 | 128 | 0.9 |
| 2011 ^f | 13,785 | 13,627 | 98.9 | 11,622 | 84.3 | 2,005 | 14.5 | 158 | 1.1 |
| 2012 | 13,952 | 13,898 | 99.6 | 11,914 | 85.4 | 1,984 | 14.2 | 54 | 0.4 |
| 2013 | 14,019 | 13,979 | 99.7 | 12,056 | 86.0 | 1,923 | 13.7 | 40 | 0.3 |
| 2014old ^g | 14,369 | 14,336 | 99.8 | 12,413 | 86.4 | 1,923 | 13.4 | 33 | 0.2 |
| 2014new ^g | 14,845 | 14,798 | 99.7 | 12,832 | 86.4 | 1,966 | 13.2 | 47 | 0.3 |
| 2015 | 15,202 | 15,119 | 99.5 | 12,714 | 83.6 | 2,405 | 15.8 | 83 | 0.5 |
| 2016 | 15,853 | 15,774 | 99.5 | 13,617 | 85.9 | 2,157 | 13.6 | 79 | 0.5 |
| 2017 ^h | 18,745 | 18,293 | 97.6 | 15,946 | 85.1 | 2,347 | 12.5 | 452 | 2.4 |
| 2018 | 19,592 | 19,384 | 98.9 | 16,410 | 83.8 | 2,974 | 15.2 | 208 | 1.1 |
| 2019 | 20,249 | 19,718 | 97.4 | 17,035 | 84.1 | 2,683 | 13.3 | 531 | 2.6 |
| 2020 | 21,156 | 20,486 | 96.8 | 17,764 | 84.0 | 2,722 | 12.9 | 670 | 3.2 |

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|------|--------|----------------|---------|-------------------|---------|------------------|---------|-------------|---------|
| | | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| 2021 | 21,365 | 20,990 | 98.2 | 18,186 | 85.1 | 2,804 | 13.1 | 375 | 1.8 |
| 2022 | 22,519 | 22,227 | 98.7 | 19,112 | 84.9 | 3,115 | 13.8 | 292 | 1.3 |

NA = not available; organizational units providing partial responses are included in complete response column prior to 1981 and reported separately beginning in 1981.

^a The 1976 survey also collected 1975 data from master's-granting institutions.

^b Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^c Calculated using response-rate formula used through 2003. See appendix A, "Technical Notes."

^d Calculated using response-rate formula used from 2004 to 2006. Schools closed in 2005 because of Hurricane Katrina were counted as nonrespondents.

^e Calculated using response-rate formula implemented in 2007. See appendix A, "Technical Notes."

^f The 2010 and 2011 postdoctoral appointees (postdocs) and doctorate-holding nonfaculty researcher data were reimputed following the 2012 data collection; these numbers have been updated to reflect the reimputed data and supersede those contained in previous reports.

^g In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and two private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible.

^h In 2017, the data collection methods changed, substantially increasing the number of added units. In addition, several previously eligible fields became ineligible.

Note(s):

Percentages may not add to total because of rounding. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the "Technical Notes."

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.