

**Table A-4. Item response rates: 2006–16
(Percent)**

| Variable name | Variable description | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--------------------------|--|------|------|------|------|------|------|------|------|------|------|------|
| AGEDOC ^a | Age at doctorate | na | na | na | na | na | na | na | na | na | 92.1 | 94.0 |
| AMERIND | American Indian or Alaska Native race indicator | 92.7 | 90.4 | 91.2 | 91.9 | 91.6 | 91.6 | 91.5 | 91.9 | 90.2 | 91.0 | 92.9 |
| ASIAN | Asian race indicator | 92.7 | 90.4 | 91.2 | 91.9 | 91.6 | 91.6 | 91.5 | 91.9 | 90.2 | 91.0 | 92.9 |
| AUDIDIS ^b | Deaf or hearing disability indicator | 91.7 | 90.2 | 90.7 | 90.8 | 89.7 | 89.8 | na | na | na | na | na |
| BAEMONTH ^c | Month of bachelor's entry | na | na | na | na | na | na | na | na | 86.9 | 87.0 | 88.8 |
| BAEYEAR ^d | Year of bachelor's entry | 86.7 | 85.8 | 85.5 | 86.3 | 86.9 | 87.6 | 88.2 | 88.8 | 87.3 | 87.3 | 89.2 |
| BAFIELD | Baccalaureate field | 89.5 | 87.5 | 88.2 | 88.8 | 89.3 | 89.8 | 89.3 | 90.4 | 89.3 | 89.2 | 90.9 |
| BAINST | Baccalaureate institution | 93.6 | 91.6 | 92.3 | 92.9 | 92.5 | 93.4 | 92.3 | 93.2 | 91.6 | 92.3 | 94.1 |
| BAMONTH | Month of baccalaureate | 86.4 | 86.1 | 87.3 | 88.0 | 88.5 | 89.1 | 89.7 | 90.2 | 89.0 | 88.9 | 90.5 |
| BANID | Baccalaureate institution (NCSES Institution ID) | 92.7 | 90.8 | 91.4 | 92.1 | 91.6 | 92.5 | 91.5 | 92.2 | 90.2 | 91.0 | 92.8 |
| BANONE ^e | No baccalaureate or master's indicator | 11.7 | 12.2 | 12.7 | 13.6 | 14.6 | 16.4 | 18.2 | 20.4 | 21.4 | 21.7 | 22.4 |
| BAPLACE | Place of baccalaureate institution | 93.6 | 91.6 | 92.3 | 92.9 | 92.5 | 93.4 | 92.3 | 93.2 | 91.6 | 92.3 | 94.1 |
| BAYEAR | Year of baccalaureate | 91.8 | 91.4 | 92.4 | 93.1 | 92.6 | 93.2 | 92.8 | 93.2 | 91.7 | 92.2 | 94.3 |
| BIRTHMO | Month of birth | 93.2 | 92.0 | 93.0 | 93.4 | 92.3 | 92.2 | 92.1 | 92.5 | 90.7 | 91.6 | 93.2 |
| BIRTHPL | Place of birth | 96.6 | 92.5 | 93.6 | 93.7 | 93.4 | 94.3 | 94.2 | 93.5 | 91.9 | 92.1 | 94.4 |
| BIRTHYR | Year of birth | 93.5 | 92.4 | 93.7 | 94.3 | 93.0 | 93.0 | 92.8 | 93.1 | 91.3 | 92.1 | 94.0 |
| BLACK | Black race indicator | 92.7 | 90.4 | 91.2 | 91.9 | 91.6 | 91.6 | 91.5 | 91.9 | 90.2 | 91.0 | 92.9 |
| CITIZ | Type of citizenship | 94.8 | 92.7 | 94.5 | 95.0 | 94.2 | 94.0 | 93.8 | 94.2 | 92.3 | 93.3 | 95.1 |
| CNTRYCIT ^f | Country of citizenship | 94.7 | 92.5 | 94.2 | 94.7 | 93.8 | 93.7 | 93.6 | 93.8 | 92.1 | 93.1 | 94.8 |
| COGNDIS ^b | Learning or cognitive disability indicator | 91.7 | 90.2 | 90.7 | 90.8 | 89.7 | 89.8 | na | na | na | na | na |
| DDSDEG ^g | Earned a professional dental degree | na | na | na | na | na | 88.6 | 88.9 | 88.8 | 87.6 | 87.9 | 88.1 |
| DDSSTUDY ^g | Earning a professional dental degree | na | na | na | na | na | 88.6 | 88.9 | 88.8 | 87.6 | 87.9 | 88.1 |
| DEPEND5 | Number of dependents - ages 5 or younger | 90.7 | 88.5 | 88.7 | 88.2 | 88.3 | 89.2 | 89.9 | 89.5 | 88.4 | 88.3 | 89.6 |
| DEPEND18 | Number of dependents - ages 6-18 | 90.7 | 88.5 | 88.7 | 88.2 | 88.3 | 89.2 | 89.9 | 89.5 | 88.4 | 88.3 | 89.6 |
| DEPEND19 | Number of dependents - ages 19 and older | 90.7 | 88.5 | 88.7 | 88.2 | 88.3 | 89.2 | 89.9 | 89.5 | 88.4 | 88.3 | 89.6 |
| DIFAGE ^h | Earliest age experienced difficulties | na | na | na | na | na | na | na | 90.8 | 89.4 | 89.4 | 90.8 |
| DIFCOGN ^h | Degree of difficulty concentrating, remembering, or making decisions | na | na | na | na | na | na | na | 91.0 | 89.6 | 89.6 | 91.0 |
| DIFLIFT ^h | Degree of difficulty lifting | na | na | na | na | na | na | na | 91.0 | 89.6 | 89.6 | 91.0 |
| DIFHEAR ^h | Degree of difficulty hearing | na | na | na | na | na | na | na | 91.0 | 89.6 | 89.6 | 91.0 |
| DIFSEE ^h | Degree of difficulty seeing | na | na | na | na | na | na | na | 91.0 | 89.6 | 89.6 | 91.0 |
| DIFWALK ^h | Degree of difficulty walking | na | na | na | na | na | na | na | 91.0 | 89.6 | 89.6 | 91.0 |
| DISABILITY ^{1b} | Disability status | 91.7 | 90.2 | 90.7 | 90.8 | 89.7 | 89.8 | na | na | na | na | na |

**Table A-4. Item response rates: 2006–16
(Percent)**

| Variable name | Variable description | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DISABILITY ^{2h} | Moderate or greater degree of difficulty in any domain | na | na | na | na | na | na | na | 91.0 | 89.6 | 89.6 | 91.0 |
| DOCCODE | Type of doctorate (since 2004) | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| EDFATHER | Father's education | 91.6 | 89.6 | 90.3 | 90.7 | 90.8 | 90.8 | 90.7 | 90.0 | 88.6 | 88.4 | 89.7 |
| EDMOTHER | Mother's education | 91.7 | 89.8 | 90.4 | 90.9 | 90.9 | 90.9 | 90.8 | 90.1 | 88.6 | 88.5 | 89.8 |
| GDEBTLVL | Graduate debt level | 92.3 | 90.6 | 92.0 | 92.6 | 92.7 | 93.2 | 92.9 | 89.7 | 88.2 | 90.1 | 92.9 |
| GEMONTH | Month of graduate entry | 66.3 | 73.0 | 87.0 | 89.7 | 87.4 | 88.0 | 88.4 | 88.5 | 90.1 | 89.7 | 90.5 |
| GEYEAR | Year of graduate entry | 90.8 | 88.5 | 87.6 | 90.4 | 87.8 | 88.3 | 88.6 | 88.7 | 90.2 | 89.9 | 90.8 |
| HAWAIIAN | Native Hawaiian or Other Pacific Islander race indicator | 92.7 | 90.4 | 91.2 | 91.9 | 91.6 | 91.6 | 91.5 | 91.9 | 90.2 | 91.0 | 92.9 |
| HISPANIC | Hispanic origin indicator | 93.2 | 91.5 | 92.0 | 92.0 | 91.4 | 92.2 | 92.0 | 92.1 | 90.3 | 91.5 | 92.9 |
| HSPLACE | Place of high school | 93.1 | 90.0 | 90.9 | 91.1 | 90.8 | 91.8 | 91.7 | 91.2 | 89.7 | 89.5 | 91.5 |
| JRCOLL | Junior college indicator | 91.9 | 89.7 | 90.0 | 90.5 | 91.2 | 93.1 | 93.0 | 92.6 | 91.1 | 90.8 | 93.2 |
| MAEMONTH ^c | Month of master's entry | na | na | na | na | na | na | na | na | 67.8 | 67.5 | 68.6 |
| MAEYEAR ^c | Year of master's entry | na | na | na | na | na | na | na | na | 68.0 | 67.7 | 68.8 |
| MAFIELD | Master's field | 84.8 | 83.3 | 83.7 | 84.1 | 84.9 | 86.5 | 88.1 | 89.8 | 89.2 | 89.2 | 90.8 |
| MAINST | Master's institution | 86.0 | 84.7 | 84.4 | 85.2 | 85.5 | 87.1 | 88.4 | 89.7 | 89.1 | 88.9 | 90.6 |
| MAMONTH | Month of master's | 81.3 | 77.9 | 82.4 | 83.5 | 84.1 | 85.7 | 87.8 | 89.6 | 88.9 | 88.9 | 90.5 |
| MANID | Master's institution (NCSES Institution ID) | 75.1 | 73.2 | 72.5 | 72.2 | 71.6 | 71.5 | 70.8 | 70.0 | 68.5 | 68.0 | 69.1 |
| MARITAL | Marital status | 91.7 | 90.0 | 90.4 | 90.9 | 91.0 | 91.0 | 91.0 | 90.4 | 88.9 | 88.9 | 90.3 |
| MAYEAR | Year of master's | 83.5 | 81.1 | 84.1 | 85.1 | 85.5 | 86.9 | 88.5 | 90.0 | 89.2 | 89.1 | 90.8 |
| MDDEG ⁹ | Earned a professional medical degree | na | na | na | na | 87.7 | 88.6 | 88.9 | 88.8 | 87.6 | 87.9 | 88.1 |
| MDSTUDY ⁹ | Earning a professional medical degree | na | na | na | na | 87.7 | 88.6 | 88.9 | 88.8 | 87.6 | 87.9 | 88.1 |
| MEDDENT | Additional professional medical or dental degree | 92.0 | 88.3 | 87.8 | 88.6 | 89.9 | 90.3 | 90.5 | 90.4 | 89.1 | 89.2 | 90.4 |
| MSPREREQ | Prerequisite master's degree for Doctoral program | 91.2 | 89.3 | 90.1 | 90.5 | 91.5 | 91.5 | 91.1 | 90.7 | 89.2 | 89.1 | 90.7 |
| ORTHDIS ^b | Physical or orthopedic disability indicator | 91.7 | 90.2 | 90.7 | 90.8 | 89.7 | 89.8 | na | na | na | na | na |
| OTHRDIS ^b | Other or unknown disability indicator | 91.7 | 90.2 | 90.7 | 90.8 | 89.7 | 89.8 | na | na | na | na | na |
| PDEMPLOY | Postgraduation employer type | 96.7 | 98.4 | 98.0 | 98.0 | 97.8 | 98.6 | 98.5 | 99.0 | 99.5 | 99.3 | 98.1 |
| PDOCCODE ^e | Postgraduation institution affiliation in the U.S. (IPEDS) | 37.3 | 32.2 | 31.7 | 32.5 | 31.9 | 31.1 | 30.6 | 28.4 | 26.7 | 26.1 | 26.4 |
| PDOCNID ^e | Postgraduation institution affiliation in the U.S. (NCSES Institution ID) | 37.3 | 32.2 | 31.7 | 32.5 | 31.9 | 31.1 | 30.6 | 28.4 | 26.7 | 26.1 | 26.4 |
| PDFORGN ^e | Postgraduation affiliation with a non-U.S. college or university | 3.9 | 3.9 | 3.4 | 3.7 | 3.8 | 3.7 | 3.5 | 3.7 | 3.4 | 3.1 | 3.2 |

**Table A-4. Item response rates: 2006–16
(Percent)**

| Variable name | Variable description | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PDLOC | Postgraduation location | 93.2 | 91.3 | 91.9 | 92.6 | 93.0 | 92.9 | 92.5 | 91.6 | 89.9 | 90.0 | 92.0 |
| PDOCPLAN | Postgraduation plans | 98.0 | 98.6 | 96.9 | 97.4 | 97.2 | 94.7 | 93.8 | 92.4 | 91.7 | 91.4 | 95.2 |
| PDOCSTAT | Postgraduation status | 92.2 | 90.1 | 90.2 | 90.7 | 91.3 | 91.4 | 91.4 | 90.8 | 89.3 | 89.3 | 90.8 |
| PDSTDSUP | Postdoctoral study support | 97.7 | 97.1 | 95.9 | 95.1 | 93.9 | 94.6 | 95.8 | 96.7 | 97.5 | 97.8 | 95.5 |
| PDUSFOR | Postgraduation location: U.S. or foreign | 93.2 | 91.3 | 91.9 | 92.6 | 93.0 | 92.9 | 92.5 | 91.6 | 89.9 | 90.0 | 92.0 |
| PDWK1ED | Edited primary work activity | 96.5 | 95.8 | 92.4 | 92.7 | 92.8 | 91.8 | 91.5 | 90.7 | 90.8 | 90.5 | 91.3 |
| PDWK2ED ^e | Edited secondary work activity | 58.4 | 58.1 | 53.1 | 52.6 | 50.6 | 50.1 | 50.8 | 50.2 | 49.8 | 49.4 | 50.6 |
| PDWKPRIM | Primary work activity | 96.5 | 95.8 | 92.4 | 92.7 | 92.8 | 91.8 | 91.5 | 90.7 | 90.8 | 90.5 | 91.3 |
| PDWKSEC ^e | Secondary work activity | 58.4 | 58.1 | 53.1 | 52.6 | 50.6 | 50.1 | 50.8 | 50.2 | 49.8 | 49.4 | 50.6 |
| PHDCY | Calendar year of doctorate | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| PHDDISS | Dissertation field | 92.7 | 91.4 | 92.1 | 92.2 | 92.5 | 92.4 | 91.8 | 91.6 | 90.2 | 90.0 | 91.5 |
| PHDDISS2 ^e | Secondary dissertation field | 25.9 | 25.9 | 26.4 | 26.8 | 30.2 | 32.1 | 34.7 | 36.2 | 35.0 | 35.0 | 40.9 |
| PHDEMONTH ^c | Month of doctoral program entry | na | na | na | na | na | na | na | na | 89.6 | 89.5 | 91.1 |
| PHDEYEAR ⁱ | Year of doctoral program entry | 91.3 | 89.6 | 89.7 | 90.0 | 90.4 | 90.7 | 90.8 | 90.9 | 89.8 | 89.7 | 91.3 |
| PHDFIELD | Doctoral field | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| PHDFY | Fiscal year of doctorate | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| PHDINST | Doctoral institution | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| PHDMONTH | Month of doctorate | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| PHDNID | Doctoral institution (NCSES Institution ID) | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| POSTDOC | Intention to take postdoc position | 90.8 | 89.5 | 90.4 | 90.9 | 91.5 | 91.5 | 91.6 | 91.1 | 89.6 | 89.6 | 91.4 |
| PROFDEG ^e | Type of professional doctorate | 1.0 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 0.8 | 0.8 | 0.9 | 1.0 | 1.0 |
| PROFYEAR ^e | Year of professional doctorate | 1.0 | 1.1 | 1.0 | 1.0 | 0.9 | 0.9 | 0.7 | 0.8 | 0.9 | 0.9 | 1.0 |
| QUESTMON ^a | Month questionnaire filled out | na | na | na | na | na | na | na | na | na | 90.0 | 91.8 |
| QUESTYR ^j | Year questionnaire filled out | 93.0 | na | na | na | 92.2 | 92.8 | 92.4 | 92.0 | 90.6 | 90.3 | 91.8 |
| RACE | Edited race or ethnicity code | 94.4 | 92.8 | 93.6 | 94.3 | 93.4 | 93.2 | 93.0 | 93.2 | 91.4 | 92.4 | 94.3 |
| RACE2 ^a | Edited ethnicity/race code (NSF-revised) | 94.4 | 92.8 | 93.6 | 94.3 | 93.4 | 93.2 | 93.0 | 93.2 | 91.4 | 92.4 | 94.3 |
| SALARYR ^{k,l} | Range of basic annual salary | na | na | na | 91.9 | 91.0 | 89.7 | 89.0 | 87.6 | 88.7 | 88.7 | 89.3 |
| SALARYV ^k | Basic annual salary | na | na | na | 52.2 | 51.5 | 46.6 | 41.2 | 36.8 | 76.9 | 83.9 | 85.5 |
| SALMONTH ^k | Number of months covered by basic annual salary | na | na | na | 90.0 | 90.9 | 90.1 | 89.5 | 88.7 | 89.0 | 88.9 | 89.1 |
| SEX | Sex of student | 99.9 | 99.9 | 100.0 | 99.9 | 100.0 | 100.0 | 99.9 | 100.0 | 99.7 | 100.0 | 100.0 |
| SRCE1ED | Edited primary source of support | 91.0 | 89.1 | 90.5 | 90.5 | 90.9 | 91.0 | 91.1 | 90.7 | 89.6 | 89.5 | 91.1 |

**Table A-4. Item response rates: 2006–16
(Percent)**

| Variable name | Variable description | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|------------------------|---|------|------|------|------|------|------|------|------|------|------|------|
| SRCEPRIM | Primary source of support | 91.0 | 89.1 | 90.5 | 90.5 | 90.9 | 91.0 | 91.1 | 90.7 | 89.6 | 89.5 | 91.1 |
| SRCESEC | Secondary source of support | 79.1 | 76.5 | 80.6 | 80.9 | 80.8 | 80.8 | 80.3 | 79.6 | 79.2 | 78.8 | 82.8 |
| TICEPHD | Time in college entry-doctorate | 86.7 | 85.8 | 85.5 | 86.3 | 86.9 | 87.6 | 88.2 | 88.8 | 87.3 | 87.3 | 89.2 |
| TOBAGE | Time out baccalaureate-graduate entry | 86.8 | 85.7 | 85.2 | 88.0 | 85.8 | 86.4 | 86.9 | 87.2 | 87.2 | 87.2 | 88.3 |
| TTDBAPHD ^m | Total time elapsed from baccalaureate to doctorate | 90.9 | 90.6 | 91.5 | 92.3 | 91.7 | 92.3 | 92.0 | 92.3 | 90.3 | 90.8 | 93.0 |
| TTDDOC ^c | Total elapsed time in doctorate | na | na | na | na | na | na | na | na | 89.9 | 89.8 | 91.3 |
| TTDGEPHD ^m | Total time elapsed from graduate entry to doctorate | 90.9 | 88.5 | 87.6 | 90.4 | 87.8 | 88.3 | 88.6 | 88.7 | 90.2 | 89.9 | 90.8 |
| TUITREMS | Tuition remission - full or partial | 90.5 | 88.7 | 89.5 | 89.9 | 90.4 | 91.3 | 91.5 | 91.2 | 90.0 | 89.8 | 91.2 |
| UDEBTLVL | Undergraduate debt level | 92.3 | 90.3 | 91.7 | 92.5 | 92.7 | 93.4 | 93.3 | 86.1 | 84.7 | 90.9 | 93.6 |
| VISUDIS ^b | Blind or visual disability indicator | 91.7 | 90.2 | 90.7 | 90.8 | 89.7 | 89.8 | na | na | na | na | na |
| VOCLDIS ^b | Vocal or speech disability indicator | 91.7 | 90.2 | 90.7 | 90.8 | 89.7 | 89.8 | na | na | na | na | na |
| WHITE | White race indicator | 92.7 | 90.4 | 91.2 | 91.9 | 91.6 | 91.6 | 91.5 | 91.9 | 90.2 | 91.0 | 92.9 |
| YRSCOURS | Years of Doctoral coursework | 91.1 | 89.4 | 89.8 | 90.4 | 90.9 | 91.0 | 90.9 | 90.4 | 88.9 | 89.0 | 90.4 |
| YRSDISST | Years preparing dissertation | 91.3 | 89.2 | 89.7 | 90.2 | 90.9 | 91.1 | 91.0 | 90.5 | 89.0 | 89.0 | 90.4 |
| YRSNOTWRK ⁿ | Years not working on Doctoral degree | na | na | 90.1 | 90.6 | 91.0 | 91.2 | 91.0 | 90.8 | 89.2 | 89.2 | 90.7 |

na = not applicable; data either were not collected or derived, or were collected for the first time in that year (see "NOTES").

IPEDS = Integrated Postsecondary Education Data System; NCSSES = National Center for Science and Engineering Statistics.

^a Variable added to the Doctorate Records File in 2016.

^b In 2012, survey stopped collecting data for this item.

^c Variable added to the Doctorate Records File in 2014.

^d Methodology reports prior to 2014 reported BAEYEAR as CEYEAR.

^e Variable has low response rate because although all respondents are considered eligible to provide data for item, only some are able to do so.

^f Response rate counts respondents who reported being U.S. citizens or permanent residents or temporary visa holders and provided country of citizenship.

^g Item appeared on survey form for the first time in 2010 (see "NOTES").

^h Item appeared on survey form for the first time in 2012 (see "NOTES").

ⁱ Methodology reports prior to 2014 reported PHDEYEAR as PHDENTRY.

^j Item appeared on all survey forms except 2007–09.

^k Item appeared on survey form for the first time in 2008 (see "NOTES").

^l Methodology reports prior to 2011 reported SALARYR as SALARY.

^m Methodology reports prior to 2007 reported TTDBAPHD as TOTTD and TTDGEPHD as TTDGETOT.

**Table A-4. Item response rates: 2006–16
(Percent)**

ⁿ Item appeared on survey form for the first time in 2007 (see "NOTES").

NOTES: Response rate is the percentage of cases providing data on an item divided by the universe of doctorate recipients eligible to answer that item. For most items, the full universe of doctorate recipients establishes the universe of eligible respondents. However, the number of items that appeared on the survey form for the first time were restricted to a subset of the full universe because a high percentage of respondents submitted data on earlier versions of the survey form. Response rates for these variables are not reported in the year that the item appeared on the survey but are reported in subsequent years, when the item became available to the entire respondent universe.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates.