

Table A-4

## Item response rates: 2010–19

(Percent)

Variable name	Variable description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
AAEMONTH	First associate's degree start month	na	na	na	na	na	na	na	96.9	96.2	95.3
AAEYEAR	First associate's degree start year	na	na	na	na	na	na	na	97.6	96.3	95.8
AAFIELD	First associate's degree field	na	na	na	na	na	na	na	85.0	94.5	95.1
AAINST	First associate's degree institution	na	na	na	na	na	na	na	93.4	92.0	97.6
AAMONTH	First associate's degree month	na	na	na	na	na	na	na	97.6	96.8	95.9
AANID	First associate's degree institution (NCSES institution identification)	na	na	na	na	na	na	na	93.2	92.0	97.6
AAYEAR	First associate's degree year	na	na	na	na	na	na	na	98.3	97.0	96.7
AADEGRN	Number of associate's degrees received	na	na	na	na	na	na	na	90.3	93.4	93.5
AGEDOC	Age at doctorate	na	na	na	na	na	92.1	94.1	94.6	95.0	94.8
AMERIND	American Indian or Alaska Native race indicator	91.6	91.6	91.5	91.9	90.2	91.0	93.0	92.8	93.2	93.2
ASIAN	Asian race indicator	91.6	91.6	91.5	91.9	90.2	91.0	93.0	92.8	93.2	93.2
AUDIDIS	Deaf or hearing disability indicator	89.7	89.8	na	na	na	na	na	na	na	na
BA2EMONTH	Most recent baccalaureate start month	na	na	na	na	na	na	na	89.9	92.3	94.3
BA2EYEAR	Most recent baccalaureate start year	na	na	na	na	na	na	na	90.2	92.3	94.5
BA2FIELD	Most recent baccalaureate degree field	na	na	na	na	na	na	na	89.7	91.6	94.3
BA2INST	Most recent baccalaureate institution	na	na	na	na	na	na	na	88.4	90.5	94.4
BA2MONTH	Most recent baccalaureate month	na	na	na	na	na	na	na	90.0	92.4	94.3
BA2NID	Most recent baccalaureate institution (NCSES institution identification)	na	na	na	na	na	na	na	88.4	90.5	94.4
BA2YEAR	Most recent baccalaureate year	na	na	na	na	na	na	na	90.4	92.6	94.6
BADEGRN	Number of bachelor's degrees received	na	na	na	na	na	na	na	91.1	98.3	98.9
BADBLFIELD	First baccalaureate double major field	na	na	na	na	na	na	na	96.4	98.4	98.7
BADBLMAJ	First baccalaureate double major indicator	na	na	na	na	na	na	na	89.5	90.9	91.1
BAEMONTH	First baccalaureate start month	na	na	na	na	87.0	87.0	89.0	89.6	90.6	90.6
BAEYEAR <sup>a</sup>	First baccalaureate start year	86.9	87.6	88.2	88.8	87.3	87.3	89.4	89.7	90.6	90.7
BAFIELD	First baccalaureate field	88.5	89.0	88.5	89.5	87.9	87.9	89.7	90.4	90.6	90.8
BAINST	First baccalaureate institution	91.6	92.5	91.5	92.2	90.2	91.0	92.9	93.6	94.4	95.5
BAMONTH	First baccalaureate month	87.6	88.3	88.9	89.2	87.7	87.6	89.4	89.7	90.7	90.8
BANID	First baccalaureate institution (NCSES institution identification)	91.6	92.5	91.5	92.2	90.2	91.0	92.9	93.6	94.4	95.5
BANONE <sup>b</sup>	No bachelor's and/or master's degree indicator	14.6	16.4	18.2	20.4	21.4	21.7	22.4	22.0	91.6	91.7
BAPLACE	First baccalaureate institution location	91.6	92.5	91.5	92.2	90.2	91.0	92.9	93.6	94.4	95.5
BAYEAR	First baccalaureate year	91.7	92.3	92.0	92.3	90.3	90.8	93.1	94.4	94.9	95.4
BIRTHMO	Month of birth	92.3	92.2	92.1	92.5	90.7	91.6	93.2	93.9	94.6	94.3
BIRTHPL	Place of birth	93.4	94.3	94.2	93.5	91.9	92.1	94.5	95.0	95.9	96.5
BIRTHYR	Year of birth	93.0	93.0	92.8	93.1	91.3	92.1	94.1	94.5	95.0	94.8
BLACK	Black race indicator	91.6	91.6	91.5	91.9	90.2	91.0	93.0	92.8	93.2	93.2
CITIZ	Type of citizenship	94.2	94.0	93.8	94.2	92.3	93.3	95.2	95.4	96.0	96.3
CNTRYCIT <sup>c</sup>	Country of citizenship	93.8	93.7	93.6	93.8	92.1	93.1	94.8	95.0	95.0	95.0
COGNDIS	Learning or cognitive disability indicator	89.7	89.8	na	na	na	na	na	na	na	na
DDSDEG	Earned a professional dental degree	87.7	88.6	88.9	88.8	87.6	87.9	88.3	88.6	89.6	89.4
DDSSTUDY	Earning a professional dental degree	87.7	88.6	88.9	88.8	87.6	87.9	88.3	88.6	89.6	89.4
DEPEND18	Number of dependents-ages 6–18	88.3	89.2	89.9	89.5	88.4	88.3	89.7	90.1	90.7	90.6
DEPEND19	Number of dependents-ages 19 and older	88.3	89.2	89.9	89.5	88.4	88.3	89.7	90.1	90.7	90.6
DEPEND5	Number of dependents-ages 5 or younger	88.3	89.2	89.9	89.5	88.4	88.3	89.7	90.1	90.7	90.6
DIFAGE	Earliest age experienced difficulties	na	na	90.4	90.8	89.4	89.4	90.9	89.9	90.3	90.4
DIFCOGN	Degree of difficulty concentrating, remembering, or making decisions	na	na	91.1	91.0	89.6	89.6	91.1	90.1	90.5	90.6
DIFHEAR	Degree of difficulty hearing	na	na	91.1	91.0	89.6	89.6	91.1	90.1	90.5	90.6
DIFLIFT	Degree of difficulty lifting	na	na	90.5	91.0	89.6	89.6	91.1	90.1	90.5	90.6

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Variable name	Variable description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
DIFSEE	Degree of difficulty seeing	na	na	91.1	91.0	89.6	89.6	91.1	90.1	90.5	90.6
DIFWALK	Degree of difficulty walking	na	na	90.5	91.0	89.6	89.6	91.1	90.1	90.5	90.6
DISABILITY1	Disability status	89.7	89.8	na	na	na	na	na	na	na	na
DISABILITY2	Moderate or greater degree of difficulty in any domain	na	na	91.1	91.0	89.6	89.6	91.1	90.1	90.5	90.6
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
EDFATHER	Father/male guardian's education	90.8	90.8	90.7	90.0	88.6	88.4	89.9	89.9	89.3	88.6
EDMOTHER	Mother/female guardian's education	90.9	90.9	90.8	90.1	88.6	88.5	89.9	90.0	89.7	89.2
GDEBTLVL	Graduate debt level	92.7	93.3	92.9	89.7	88.2	90.1	93.1	92.3	92.6	93.3
GEMONTH	Month of graduate program entry	87.4	88.0	88.4	88.5	90.1	89.7	90.7	90.3	91.9	92.0
GEYEAR	Year of graduate program entry	87.8	88.3	88.6	88.7	90.3	89.9	90.9	90.3	91.9	92.0
HAWAIIAN	Native Hawaiian or Other Pacific Islander race indicator	91.6	91.6	91.5	91.9	90.2	91.0	93.0	92.8	93.2	93.2
HISPANIC	Hispanic origin indicator	91.4	92.2	92.0	92.1	90.3	91.5	93.0	93.7	94.7	94.6
HSPLACE	Place of high school	90.8	91.8	91.7	91.2	89.7	89.5	91.6	90.1	90.4	90.6
JRCOLL	Junior college indicator	91.2	93.1	93.0	92.6	91.1	90.8	93.4	93.2	93.7	94.0
MA1CRED	Credits from first master's degree counted toward doctoral degree	na	na	na	na	na	na	na	97.6	99.5	99.4
MA1EMONTH	First master's degree start month	na	na	na	na	na	na	na	99.6	98.9	98.5
MA1YEAR	First master's degree start year	na	na	na	na	na	na	na	99.7	99.0	98.7
MA1FIELD	First master's degree field	na	na	na	na	na	na	na	99.4	98.8	98.7
MA1INST	First master's degree institution	na	na	na	na	na	na	na	97.9	97.8	98.7
MA1MONTH	First master's degree month	na	na	na	na	na	na	na	99.8	98.9	98.7
MA1NID	First master's degree institution (NCSES institution identification)	na	na	na	na	na	na	na	97.9	97.8	98.7
MA1PART	First master's degree was required for doctoral program	na	na	na	na	na	na	na	98.4	99.4	99.1
MA1YEAR	First master's degree year	na	na	na	na	na	na	na	99.9	99.0	98.9
MACRED	Credits from most recent master's degree counted toward doctoral degree	na	na	na	na	na	na	na	99.2	99.8	99.9
MADEGRN	Number of master's degrees received	na	na	na	na	na	na	na	99.3	93.7	93.9
MAEMONTH	Most recent master's degree start month	na	na	na	na	6780	6750	6870	6900	6910	8870
MAEYEAR <sup>b</sup>	Most recent master's degree start year	na	na	na	na	68.0	67.7	68.9	69.1	69.1	88.8
MAFIELD	Most recent master's degree field	71.1	70.8	70.5	70.1	68.6	68.3	69.3	69.1	88.6	88.8
MAINST	Most recent master's degree institution	71.6	71.5	70.8	70.0	68.5	68.0	69.2	69.3	68.8	88.9
MAMONTH	Most recent master's degree month	70.3	70.1	70.2	69.9	68.3	68.0	69.1	69.1	69.1	88.9
MANID <sup>b</sup>	Most recent master's degree institution (NCSES institution identification)	71.6	71.5	70.8	70.0	68.5	68.0	69.2	69.3	68.8	88.9
MAPART	Most recent master's degree was required for doctoral program	na	na	na	na	na	na	na	69.1	88.4	88.7
MARITAL	Marital status	91.0	91.0	91.0	90.4	89.0	88.9	90.5	90.3	90.8	90.8
MAYEAR	Most recent master's degree year	71.6	71.2	70.9	70.3	68.7	68.2	69.4	69.8	88.7	89.0
MDDEG	Earned a professional medical degree	87.7	88.6	88.9	88.8	87.6	87.9	88.3	88.6	89.6	89.4
MDSTUDY	Earning a professional medical degree	87.7	88.6	88.9	88.8	87.6	87.9	88.3	88.6	89.6	89.4
MEDDENT	Additional professional medical or dental degree	89.9	90.3	90.5	90.4	89.1	89.2	90.5	90.6	91.4	91.4
MSPREREQ	Prerequisite master's degree for doctoral program	91.5	91.5	91.1	90.7	89.2	89.1	90.8	91.0	88.8	89.0
ORTHDIS	Physical or orthopedic disability indicator	89.7	89.8	na	na	na	na	na	na	na	na
OTHRDIS	Other or unknown disability indicator	89.7	89.8	na	na	na	na	na	na	na	na
PDEMPLOY	Postgraduation employer type	97.8	98.6	98.5	99.0	99.5	99.3	98.1	99.7	98.8	98.8
PDFACULTY	Employment in faculty position	na	na	na	na	na	na	na	na	61.0	63.7

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(Percent)

Variable name	Variable description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PDFORGN <sup>b</sup>	Postgraduation affiliation with a non-U.S. college or university	3.8	3.7	3.5	3.7	3.4	3.1	3.2	3.8	90.5	90.6
PDLOC	Postgraduation location	93.0	92.9	92.5	91.6	90.0	90.0	92.2	92.4	93.0	93.2
PDOCCODE <sup>b</sup>	Postgraduation institution affiliation in the U.S. (IPEDS)	31.9	31.1	30.6	28.4	26.7	26.1	26.4	21.9	87.1	89.2
PDOCNID <sup>b</sup>	Postgraduation institution affiliation in the U.S. (NCSES institution identification)	31.9	31.1	30.6	28.4	26.7	26.1	26.4	21.9	87.1	89.2
PDOCPLAN	Postgraduation plans	97.6	95.0	93.9	92.5	91.7	91.5	95.2	97.6	99.8	99.9
PDOCSTAT	Postgraduation status	91.3	91.4	91.4	90.8	89.3	89.3	90.9	90.8	91.3	91.4
PDSAMEEMP <sup>b</sup>	Postgraduation employer was employer before or during doctoral studies	na	na	na	na	na	na	na	6.9	51.3	55.3
PDSAMEPOSEMP	Employment in same position with same employer worked during doctoral studies	na	na	na	na	na	na	na	na	95.4	99.8
PDSEEKNEWEMP	Postgraduation plan to seek new employment	na	na	na	na	na	na	na	na	99.5	99.1
PDSTDSUP	Postdoctoral study support	93.9	94.6	95.8	96.7	97.5	97.8	95.5	96.9	97.0	96.5
PDUSFOR	Postgraduation location: U.S. or foreign	93.0	92.9	92.5	91.6	90.0	90.0	92.2	92.4	93.0	93.2
PDWK1ED	Edited primary work activity	92.8	91.8	91.5	90.7	90.8	90.5	91.3	97.7	98.6	98.8
PDWK2ED	Edited secondary work activity	50.6	50.1	50.8	50.2	49.8	49.4	50.6	48.9	47.4	46.7
PDWKPRIM	Primary work activity	92.8	91.8	91.5	90.7	90.8	90.5	91.3	97.7	98.6	98.8
PDWKSEC	Secondary work activity	50.6	50.1	50.8	50.2	49.8	49.4	50.6	48.9	47.4	46.7
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
PHDDISS	Dissertation field	92.5	92.4	91.8	91.6	90.2	90.0	91.6	91.1	91.5	91.4
PHDDISS <sup>2b</sup>	Secondary dissertation field	30.2	32.1	34.7	36.2	35.0	35.0	41.0	34.9	89.8	90.1
PHDEMONTH	Doctoral program start month	na	na	na	na	89.6	89.6	91.2	91.3	91.6	91.7
PHDEYEAR <sup>d</sup>	Doctoral program start year	90.4	90.7	90.8	90.9	89.9	89.7	91.4	91.3	91.6	91.7
PHDFIELD	Doctorate field	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
PHDINST	Doctoral institution	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
PHDNID	Doctoral institution (NCSES institution identification)	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	91.5	91.5	91.6	91.1	89.6	89.6	91.5	na	na	na
PROFDEG <sup>b</sup>	Type of professional doctorate	0.9	1.0	0.8	0.8	0.9	1.0	1.0	96.0	100.0	100.0
PROFEARN	Earned or earning a professional doctoral degree	na	na	na	na	na	na	na	90.7	91.4	91.4
PROFEMONTH	Professional doctorate start month	na	na	na	na	na	na	na	99.7	99.3	99.4
PROFEYEAR	Professional doctorate start year	na	na	na	na	na	na	na	99.8	99.1	99.4
PROFINST	Professional doctorate institution	na	na	na	na	na	na	na	98.0	98.2	98.5
PROFMONTH	Professional doctorate month	na	na	na	na	na	na	na	99.8	99.2	99.4
PROFNID	Professional doctorate institution (NCSES institution identification)	na	na	na	na	na	na	na	95.4	98.2	98.5
PROFYEAR <sup>b</sup>	Professional doctorate year	0.9	0.9	0.7	0.8	0.9	0.9	1.0	99.7	99.2	99.4
QUESTMON	Month questionnaire filled out	na	na	na	na	na	90.0	92.0	93.2	92.1	92.1
QUESTYR	Year questionnaire filled out	92.2	92.8	92.4	92.0	90.6	90.3	92.0	93.4	92.1	92.1
RACE	Edited race or ethnicity code	93.4	93.2	93.0	93.2	91.4	92.4	94.3	94.6	95.5	95.7
RACE2	Edited ethnicity or race code (NSF-revised)	93.4	93.2	93.0	93.2	91.4	92.4	94.3	94.9	95.5	95.7
SALARYR <sup>e</sup>	Range of expected basic annual salary	91.0	89.7	89.0	87.6	88.7	88.7	89.3	97.3	96.3	96.3
SALARYV	Expected basic annual salary	51.5	46.6	41.2	36.8	76.9	83.9	85.5	94.2	93.2	93.1
SALMONTH	Number of months expected basic annual salary covers	90.9	90.1	89.5	88.7	89.0	88.9	89.1	95.2	96.5	96.4

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(Percent)

Variable name	Variable description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
SEEKEMPBUS	Seeking or negotiating position in business or industry	na	na	na	na	na	na	na	na	98.8	98.9
SEEKEMPCHOICE	Top choice of employer seeking or negotiating	na	na	na	na	na	na	na	na	97.7	97.7
SEEKEMPEDU	Seeking or negotiating position at an educational institution	na	na	na	na	na	na	na	na	98.8	98.9
SEEKEMPGOV	Seeking or negotiating position in government	na	na	na	na	na	na	na	na	98.8	98.9
SEEKEMPNPO	Seeking or negotiating position in nonprofit organization	na	na	na	na	na	na	na	na	98.8	98.9
SEEKEMPTHRO	Seeking or negotiating position in other sector	na	na	na	na	na	na	na	na	98.8	98.9
SEEKEMPSTAT	Employment status while seeking or negotiating employment	na	na	na	na	na	na	na	na	98.9	98.9
SEEKPOSEMP	Seeking or negotiating an employment position other than a postdoc	na	na	na	na	na	na	na	na	99.0	99.0
SEEKPOSOTHR	Seeking or negotiating other position	na	na	na	na	na	na	na	na	99.0	99.0
SEEKPOSPDOC	Seeking or negotiating a postdoc position	na	na	na	na	na	na	na	na	99.0	99.0
SEX	Sex of doctorate recipient	100.0	100.0	99.9	100.0	99.7	100.0	100.0	100.0	99.9	100.0
SRCE1ED	Edited primary source of support	90.9	91.0	91.1	90.7	89.7	89.5	91.2	90.0	90.6	90.6
SRCEPRIM	Primary source of support	90.9	91.0	91.1	90.7	89.7	89.5	91.2	90.0	90.6	90.6
SRCESEC	Secondary source of support	80.8	80.8	80.3	79.6	79.2	78.8	83.0	78.4	80.1	80.3
TICEPHD	Time in from college entry to doctorate	86.9	87.6	88.2	88.8	87.3	87.3	89.4	89.7	90.6	90.7
TOBAGE	Time out between baccalaureate to graduate school entry	85.8	86.4	86.9	87.2	87.2	87.2	88.5	87.4	88.4	88.5
TTDBAPHD	Total time elapsed from baccalaureate to doctorate	91.7	92.3	92.0	92.3	90.3	90.8	93.1	94.4	94.8	95.4
TTDDOC	Total elapsed time in doctorate	na	na	na	na	89.9	89.8	91.5	91.3	91.5	91.6
TTDGEPHD	Total time elapsed from graduate entry to doctorate	87.9	88.3	88.6	88.7	90.3	89.9	90.9	90.3	91.9	92.0
TUITREMS	Tuition remission-full or partial	90.4	91.3	91.5	91.2	90.0	89.8	91.4	91.0	91.6	91.6
UDEBTLVL	Undergraduate debt level	92.7	93.4	93.3	86.1	84.7	90.9	93.7	92.6	93.0	93.3
VISUDIS	Blind or visual disability indicator	89.7	89.8	na	na	na	na	na	na	na	na
VOCLDIS	Vocal or speech disability indicator	89.7	89.8	na	na	na	na	na	na	na	na
WHITE	White race indicator	91.6	91.6	91.5	91.9	90.2	91.0	93.0	92.8	93.2	93.2
YRSCOURS	Years of doctoral coursework	90.9	91.0	90.9	90.4	89.0	89.0	90.5	89.8	na	na
YRSDISST	Years preparing doctorate dissertation	91.0	91.1	91.0	90.5	89.0	89.0	90.5	89.7	na	na
YRSNOTWRK	Years not working on doctoral degree	91.0	91.2	91.0	90.8	89.2	89.2	90.8	90.9	na	na

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.

<sup>a</sup> Methodology reports prior to 2014 reported BAEYEAR as CEYEAR.

<sup>b</sup> Logical skip edits to correct the universe of eligible respondents led to higher item response rates in the year it was implemented.

<sup>c</sup> Response rate counts respondents who reported being U.S. citizens or permanent residents or temporary visa holders and provided country of citizenship.

<sup>d</sup> Methodology reports prior to 2014 reported PHDEYEAR as PHDENTRY.

<sup>e</sup> Methodology reports prior to 2011 reported SALARYR as SALARY.

**Note(s):**

Item 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 data items, all doctorate recipient respondents are in the universe of eligible respondents. For some data items introduced in the survey for the first time, not all eligible respondents were able to provide data because they completed earlier versions of the survey, leading to lower response rates.

**Source(s):**

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