

TABLE B-1

SED data table crosswalk: 2020 vs. 2021–23

(Crosswalk)

2020	2021–23	2023 table title
Trends in research doctorate recipient characteristics		
Table 1	Table 1-1	Research doctorate recipients from U.S. colleges and universities: 1958–2023
Table 11	Table 1-2	Research doctorate recipients, by trend broad field of doctorate and 2021 Carnegie Classification of doctorate institution: 2013–23
Table 12	Table 1-3	Research doctorate recipients, by trend major field of doctorate: Selected years, 1993–2023
Table 14	Table 1-4	Research doctorate recipients, by trend broad field of doctorate and sex: Selected years, 1993–2023
Table 15	Table 1-5	Research doctorate recipients, by trend major field of doctorate and sex: 2013–23
Table 17	Table 1-6	Research doctorate recipients, by trend broad field of doctorate and citizenship status: Selected years, 1978–2023
Table 18	Table 1-7	Research doctorate recipients, by trend major field of doctorate and citizenship status: 2013–23
Table 19	Table 1-8	Research doctorate recipients, by ethnicity, race, and citizenship status: 2013–23
Table 20	Table 1-9	Male research doctorate recipients, by ethnicity, race, and citizenship status: 2013–23
Table 21	Table 1-10	Female research doctorate recipients, by ethnicity, race, and citizenship status: 2013–23
Table 23	Table 1-11	U.S. citizen and permanent resident research doctorate recipients, by trend broad field of doctorate, ethnicity, and race: Selected years, 1978–2023
Table 31	Table 1-12	Median years to research doctorate, by trend broad field of doctorate: Selected years, 1973–2023
Table 39	Table 1-13	Education-related debt of research doctorate recipients, by trend broad field of doctorate: 2013–23
Table 34	Table 1-14	Highest educational attainment of either parent of research doctorate recipients: 1970–2023
Trends in postgraduation commitments of research doctorate recipients		
Table 42	Table 2-1	Postgraduation commitment of research doctorate recipients, by trend broad field of doctorate: Selected years, 1993–2023
Table 43	Table 2-2	Postgraduation commitment of research doctorate recipients, by sex, citizenship status, ethnicity, and race: Selected years, 1993–2023
Table 44	Table 2-3	Postgraduation plans of research doctorate recipients with definite commitments, by trend broad field of doctorate: Selected years, 1993–2023
Table 45	Table 2-4	Postgraduation plans of research doctorate recipients with definite commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1993–2023
Table 50	Table 2-5	Sources of support for research doctorate recipients with postdoctoral training commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1993–2023
Table 46	Table 2-6	Employment sector of research doctorate recipients with definite postgraduation commitments for non-postdoc employment in the United States, by trend broad field of doctorate: Selected years, 1993–2023
Table 47	Table 2-7	Employment sector of research doctorate recipients with definite postgraduation commitments for non-postdoc employment in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1993–2023
Table 53	Table 2-8	Research doctorate recipients with temporary visas intending to stay in the United States after doctorate receipt, by region and country or economy of citizenship: 2017–23
Field and demographic characteristics of research doctorate recipients		
Table 13	Table 3-1	Research doctorate recipients, by detailed field of doctorate: 2021–23
Table 16	Table 3-2	Research doctorate recipients, by detailed field of doctorate and sex: 2023
Table 22	Table 3-3	Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2023
Table 24	Table 3-4	U.S. citizen and permanent resident research doctorate recipients, by major field of doctorate, ethnicity, and race: 2023

TABLE B-1

SED data table crosswalk: 2020 vs. 2021–23

(Crosswalk)

2020	2021–23	2023 table title
Table 32	Table 3-5	Median years to science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2023
Table 32	Table 3-6	Median years to non-science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2023
Table 27	Table 3-7	Median age and age distribution of research doctorate recipients, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2023
Financial support and education-related debt of research doctorate recipients		
Table 35	Table 4-1	Research doctorate recipients' primary source of financial support, by broad field of doctorate, sex, citizenship status, ethnicity, and race: 2023
Table 36	Table 4-2	Research doctorate recipients' sources of financial support, by broad field of doctorate and sex: 2023
Table 37	Table 4-3	Research doctorate recipients' sources of financial support, by sex and broad field of doctorate: 2023
Table 38	Table 4-4	Education-related debt of research doctorate recipients, by broad field of doctorate: 2023
Table 40	Table 4-5	Education-related debt of research doctorate recipients, by sex, citizenship status, ethnicity, and race: 2023
Table 41	Table 4-6	U.S. citizen and permanent resident research doctorate recipients with graduate education-related debt, by ethnicity, race, and broad field of doctorate: 2023
Educational and background characteristics of research doctorate recipients		
Table 30	Table 5-1	Research doctorate recipients who ever attended community college, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2023
New	Table 5-2	Research doctorate recipients who earned a bachelor's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2023
Table 29	Table 5-3	Research doctorate recipients who earned a master's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2023
New	Table 5-4	Baccalaureate-origin institution characteristics of research doctorate recipients, by broad field of doctorate: 2023
Table 33	Table 5-5	Educational attainment of research doctorate recipients' parents, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2023
Table 28	Table 5-6	Research doctorate recipients with one or more functional limitations, by broad field of doctorate, sex, and citizenship status: 2023
Postgraduation commitments and salaries of research doctorate recipients		
Table 51	Table 6-1	Research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023
Table 51	Table 6-2	U.S. citizen and permanent resident research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023
Table 51	Table 6-3	Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023
Table 52	Table 6-4	Female research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023
Table 52	Table 6-5	Male research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023
Table 48	Table 6-6	Median basic annual salary for research doctorate recipients with definite postgraduation plans in the United States, by broad field of doctorate, type of postgraduation plans, and sex: 2023
Table 49	Table 6-7	Median basic annual salary for research doctorate recipients with definite postgraduation plans for non-postdoc employment in the United States, by broad field of doctorate and employment sector: 2023
Doctorate institutions, locations, and countries of origins of research doctorate recipients		
Table 2	Table 7-1	Doctorate-granting institutions and research doctorate recipients per institution: 1973–2023
Table 3	Table 7-2	Top 50 doctorate-granting institutions ranked by total number of research doctorate recipients, by sex: 2023
Table 4	Table 7-3	Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2023
Table 9	Table 7-4	Top 20 doctorate-granting institutions ranked by number of minority U.S. citizen and permanent resident research doctorate recipients, by ethnicity and race: 5-year total, 2019–23

TABLE B-1

SED data table crosswalk: 2020 vs. 2021–23

(Crosswalk)

2020	2021–23	2023 table title
Table 10	Table 7-5	Top 20 doctorate-granting institutions, ranked by number of research doctorate recipients holding temporary visas: 2023
Table 5	Table 7-6	State or location of doctorate institution ranked by total number of research doctorate recipients, by field of doctorate and sex: 2023
Table 26	Table 7-7	Top 10 countries or economies of origin of temporary visa holders earning U.S. research doctorates, by country or economy of citizenship and field of doctorate: 2013–23
Table 25	Table 7-8	Top 40 countries or economies of origin of temporary visa holders earning U.S. research doctorates, by number of doctorate recipients: 2023
New	Table 7-9	Top 20 baccalaureate-origin institutions ranked by 2021 Carnegie Classification category and total number of research doctorate recipients, by field of doctorate: 2023
Table 6	Table 7-10	Research doctorate recipients, by state or location of doctorate institution and broad field of doctorate: 2023
Statistical profiles of research doctorate recipients		
Table 54	Table 8-1	Science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2023
Table 54	Table 8-2	Non-science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2023
Table 56	Table 8-3	Agricultural sciences and natural resources research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 56	Table 8-4	Biological and biomedical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 60	Table 8-5	Computer and information science research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 64	Table 8-6	Engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 58	Table 8-7	Geosciences, atmospheric, and ocean sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 56	Table 8-8	Health sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 60	Table 8-9	Mathematics and statistics research doctorate recipients, statistical profiles by sex and major field of doctorate: 2023
New	Table 8-10	Multidisciplinary/interdisciplinary sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 58	Table 8-11	Physical sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 62	Table 8-12	Psychology research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 63	Table 8-13	Social sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 66	Table 8-14	Education research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 68	Table 8-15	Humanities research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 70	Table 8-16	Business research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 70	Table 8-17	Visual and performing arts research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 70	Table 8-18	Other non-science and engineering research doctorate recipients, statistical profile by sex and major field of doctorate: 2023
Table 72	Table 8-19	Statistical profile of research doctorate recipients, by ethnicity, race, and citizenship status: 2023
Postgraduation plans of research doctorate recipients		
Table 55	Table 9-1	Science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2023
Table 55	Table 9-2	Non-science and engineering research doctorate recipients, postgraduation plans by sex and broad field of doctorate: 2023

TABLE B-1

SED data table crosswalk: 2020 vs. 2021–23

(Crosswalk)

2020	2021–23	2023 table title
Table 57	Table 9-3	Agricultural sciences and natural resources research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 57	Table 9-4	Biological and biomedical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 61	Table 9-5	Computer and information sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 65	Table 9-6	Engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 59	Table 9-7	Geosciences, atmospheric, and ocean sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 57	Table 9-8	Health sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 61	Table 9-9	Mathematics and statistics research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
New	Table 9-10	Multidisciplinary/ interdisciplinary sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 59	Table 9-11	Physical sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 62	Table 9-12	Psychology research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 63	Table 9-13	Social sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 67	Table 9-14	Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 69	Table 9-15	Humanities research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 71	Table 9-16	Business research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 71	Table 9-17	Visual and performing arts research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 71	Table 9-18	Other non-science and engineering research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023
Table 72	Table 9-19	Postgraduation plans of research doctorate recipients, by ethnicity, race, and citizenship status: 2023
Technical tables		
Table A-2	Table A-1	Research doctoral degrees included in the Survey of Earned Doctorates: 2019–23
Table A-3	Table A-2	Survey response rates: 1970–2023
Table A-4	Table A-3	Item response rates: 2017–23
Table A-6	Table A-4	SED field of doctorate taxonomy, by SED-CIP series/codes: 2023
New	Table A-5	Doctoral SED-CIP codes in new broad, major, and detailed fields: 2023
New	Table A-6	Doctoral SED-CIP code crosswalk to trend broad, major, and fine fields: 2023
New	Table B-1	SED data table crosswalk: 2020 vs. 2021–23
New	Table B-2	Comparison of the new field taxonomy to the trend and historical field taxonomy

CIP = Classification of Instructional Programs; SED = Survey of Earned Doctorates.

Note(s):

Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection. The new broad, major, and detailed fields were used in tables reporting data from 2021 to the present, and the trend broad and major fields were used in the tables that includes data from years prior to 2021. As a result, the data tables were reorganized and renumbered in 2021 and the field of doctorate data may not be comparable to subsequent years.

Source(s):

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