

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 2000–2004
(Percent distribution)

Race/ethnicity and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
All recipients (number)	80,408	68,875	2,678	20,866	2,190	2,127	2,567	9,913	14,705	13,829	11,533
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	21.5	22.9	20.4	10.2	23.6	11.0	11.0	6.5	46.8	32.9	13.3
Loans	7.0	7.9	4.1	2.1	3.0	1.7	1.5	1.2	22.3	9.8	1.9
Savings	1.8	1.8	2.0	0.7	3.7	1.4	0.9	0.4	2.8	3.1	1.8
Other earnings in graduate school	6.3	6.3	8.0	2.7	11.1	5.0	4.2	1.7	9.2	11.6	5.9
Other family earnings or savings	6.5	6.9	6.3	4.7	5.8	2.9	4.5	3.3	12.5	8.4	3.7
Teaching assistantship	15.0	16.5	7.4	10.3	8.1	14.6	51.0	20.0	14.1	22.7	6.3
Research assistantship, traineeship, and internship	28.7	26.5	41.3	31.9	34.7	39.2	11.1	48.5	16.0	10.3	42.4
Research assistantship	25.9	23.3	40.7	25.3	33.6	38.2	10.2	47.3	12.7	9.4	41.4
Traineeship	2.5	2.8	0.3	6.3	0.6	0.8	0.8	1.1	2.5	0.7	0.7
Internship or residency	0.3	0.3	0.2	0.2	0.4	0.2	0.1	0.1	0.9	0.2	0.3
Fellowship/scholarship or dissertation grant	26.0	26.2	18.9	41.2	18.0	28.1	20.6	18.5	13.7	26.0	24.3
Fellowship/scholarship	22.5	22.6	15.1	33.4	15.9	23.8	19.3	16.2	12.5	24.5	21.7
Dissertation grant	3.5	3.7	3.8	7.8	2.1	4.2	1.2	2.3	1.2	1.6	2.5
Employer reimbursement or assistance	3.2	2.3	6.3	1.7	8.8	3.1	2.6	1.7	1.4	2.6	8.6
Foreign	0.2	0.2	0.4	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.4
Other	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.1	0.8	0.2	0.1
Not reported	5.1	5.1	5.0	4.4	6.3	3.4	3.4	4.6	7.1	5.0	4.7
White (number)	62,158	53,938	2,228	15,924	1,576	1,824	2,067	7,921	11,694	10,704	8,220
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	22.6	23.9	21.6	11.0	24.7	11.1	10.9	6.9	48.6	33.7	14.1
Loans	7.1	7.9	3.9	2.2	2.8	1.5	1.2	1.1	22.2	9.6	1.9
Savings	1.8	1.8	2.0	0.7	3.6	1.5	0.8	0.4	3.0	3.2	1.7
Other earnings in graduate school	6.7	6.7	8.8	2.9	12.2	5.0	4.3	1.7	9.9	12.1	6.6
Other family earnings or savings	7.1	7.6	6.9	5.3	6.0	3.1	4.6	3.7	13.6	8.9	4.0
Teaching assistantship	16.0	17.5	7.7	11.3	7.9	15.5	52.6	20.3	15.4	24.2	6.2
Research assistantship, traineeship, and internship	29.1	27.2	41.4	32.4	33.9	39.4	11.3	49.8	16.9	11.0	42.0
Research assistantship	26.2	24.0	41.0	25.8	32.9	38.3	10.3	48.4	13.4	10.1	41.0
Traineeship	2.6	2.8	0.3	6.3	0.6	0.9	0.9	1.2	2.6	0.7	0.7
Internship or residency	0.3	0.4	0.0	0.3	0.4	0.2	0.1	0.2	0.9	0.2	0.3
Fellowship/scholarship or dissertation grant	24.2	24.2	18.0	39.4	17.9	27.5	19.5	17.4	10.9	23.9	24.1
Fellowship/scholarship	20.7	20.6	14.0	31.6	15.7	23.0	18.3	15.0	9.7	22.2	21.4
Dissertation grant	3.5	3.7	3.9	7.8	2.2	4.5	1.2	2.4	1.1	1.7	2.7
Employer reimbursement or assistance	3.3	2.4	6.5	1.8	9.6	3.2	2.4	1.7	1.4	2.8	9.2
Foreign	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2
Other	0.3	0.3	0.3	0.2	0.4	0.3	0.2	0.1	0.8	0.2	0.2
Not reported	4.2	4.3	4.2	3.6	5.5	2.8	2.8	3.8	6.0	4.1	4.0

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 2000–2004
(Percent distribution)

Race/ethnicity and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
Asian/Pacific Islander (number)	8,109	6,134	148	2,731	378	109	252	958	682	876	1,975
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	11.8	12.3	9.5	5.3	17.5	7.3	14.3	3.5	35.8	23.4	10.3
Loans	2.8	3.2	0.0	0.8	1.3	0.9	1.6	0.5	18.6	4.1	1.3
Savings	1.5	1.3	2.0	0.7	3.2	0.0	1.6	0.6	1.3	3.1	2.0
Other earnings in graduate school	3.2	3.1	2.7	1.3	7.1	4.6	5.6	1.1	4.4	7.1	3.7
Other family earnings or savings	4.3	4.6	4.7	2.5	5.8	1.8	5.6	1.3	11.4	9.1	3.3
Teaching assistantship	12.8	14.6	6.8	7.0	10.3	10.1	49.2	21.7	14.5	24.3	7.2
Research assistantship, traineeship, and internship	38.8	34.2	58.1	37.3	47.4	54.1	13.9	51.4	17.4	12.4	53.3
Research assistantship	35.6	30.1	56.1	30.1	46.0	53.2	13.1	50.5	13.8	11.6	52.4
Traineeship	3.0	3.8	0.0	7.1	0.5	0.9	0.8	0.6	3.1	0.6	0.7
Internship or residency	0.3	0.3	2.0	0.1	0.8	0.0	0.0	0.2	0.6	0.2	0.3
Fellowship/scholarship or dissertation grant	27.7	31.0	15.5	43.3	13.0	24.8	16.7	16.0	20.4	32.4	17.4
Fellowship/scholarship	23.9	26.7	12.8	35.8	10.6	22.0	15.1	14.5	18.8	30.8	15.3
Dissertation grant	3.7	4.3	2.7	7.4	2.4	2.8	1.6	1.5	1.6	1.6	2.1
Employer reimbursement or assistance	2.9	1.9	2.7	1.4	6.9	1.8	2.8	1.8	1.0	1.7	6.2
Foreign	0.4	0.4	2.0	0.1	0.3	0.0	0.0	0.1	0.6	1.3	0.4
Other	0.2	0.3	0.0	0.3	0.0	0.0	0.0	0.1	1.0	0.0	0.0
Not reported	5.4	5.5	5.4	5.3	4.8	1.8	3.2	5.4	9.2	4.5	5.1
Black (number)	3,508	3,079	91	637	84	31	73	300	907	956	429
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	24.4	26.1	17.6	8.3	35.7	9.7	8.2	7.7	37.4	34.9	12.1
Loans	13.7	15.0	12.1	3.3	17.9	6.5	6.8	4.0	25.5	17.3	4.4
Savings	2.0	1.9	1.1	0.3	8.3	0.0	0.0	0.3	1.9	3.1	2.8
Other earnings in graduate school	5.7	6.0	3.3	2.4	6.0	3.2	0.0	1.7	6.1	10.6	3.3
Other family earnings or savings	3.0	3.2	1.1	2.4	3.6	0.0	1.4	1.7	4.0	4.0	1.6
Teaching assistantship	9.1	9.5	3.3	6.6	3.6	12.9	32.9	16.7	6.1	11.6	6.3
Research assistantship, traineeship, and internship	14.2	12.9	27.5	19.5	6.0	22.6	1.4	23.7	10.9	6.9	23.3
Research assistantship	11.8	10.5	26.4	12.7	4.8	22.6	1.4	23.0	8.7	6.0	21.7
Traineeship	2.2	2.3	1.1	6.6	1.2	0.0	0.0	0.7	1.9	0.7	1.4
Internship or residency	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2
Fellowship/scholarship or dissertation grant	41.4	40.7	37.4	57.0	34.5	35.5	46.6	44.0	33.1	36.7	46.6
Fellowship/scholarship	38.9	38.1	35.2	48.8	34.5	32.3	46.6	40.3	31.8	36.3	45.0
Dissertation grant	2.5	2.7	2.2	8.2	0.0	3.2	0.0	3.7	1.3	0.4	1.6
Employer reimbursement or assistance	2.9	2.4	5.5	1.7	6.0	6.5	4.1	1.0	1.9	2.8	6.3
Foreign	0.1	0.2	0.0	0.2	1.2	0.0	0.0	0.0	0.1	0.2	0.0
Other	0.4	0.4	0.0	0.2	0.0	3.2	1.4	0.3	0.8	0.2	0.0
Not reported	7.5	7.8	8.8	6.6	13.1	9.7	5.5	6.7	9.8	6.6	5.4

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 2000–2004
(Percent distribution)

Race/ethnicity and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
Hispanic (number)	3,583	3,122	117	887	59	64	84	341	911	659	461
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	23.0	24.7	21.4	10.1	18.6	12.5	6.0	5.9	46.7	28.4	11.5
Loans	10.2	11.5	9.4	2.7	1.7	4.7	3.6	1.8	26.2	10.8	2.0
Savings	1.5	1.5	2.6	0.6	5.1	1.6	0.0	0.3	2.3	2.0	1.1
Other earnings in graduate school	6.0	6.1	5.1	2.9	6.8	6.3	1.2	1.2	9.0	9.7	5.0
Other family earnings or savings	5.3	5.6	4.3	3.9	5.1	0.0	1.2	2.6	9.1	5.9	3.5
Teaching assistantship	11.2	12.1	6.8	7.3	6.8	12.5	38.1	19.1	7.6	19.4	5.2
Research assistantship, traineeship, and internship	18.3	16.4	33.3	19.8	30.5	31.3	6.0	37.2	10.1	5.2	31.7
Research assistantship	16.4	14.2	31.6	15.6	28.8	31.3	6.0	35.5	8.3	4.4	31.0
Traineeship	1.7	1.9	0.9	4.2	1.7	0.0	0.0	1.8	1.1	0.6	0.7
Internship or residency	0.3	0.3	0.9	0.1	0.0	0.0	0.0	0.0	0.7	0.2	0.0
Fellowship/scholarship or dissertation grant	37.1	37.3	23.9	55.6	23.7	34.4	40.5	31.1	23.3	38.7	36.0
Fellowship/scholarship	33.6	33.6	20.5	47.0	23.7	32.8	38.1	29.0	21.6	37.3	33.2
Dissertation grant	3.5	3.7	3.4	8.6	0.0	1.6	2.4	2.1	1.6	1.4	2.8
Employer reimbursement or assistance	3.0	2.0	8.5	1.5	10.2	3.1	4.8	2.3	1.4	1.2	9.3
Foreign	0.9	0.7	0.9	0.6	3.4	1.6	1.2	0.3	0.4	0.9	2.6
Other	0.3	0.3	0.0	0.1	0.0	0.0	1.2	0.0	0.5	0.3	0.0
Not reported	6.1	6.5	5.1	5.0	6.8	4.7	2.4	4.1	10.0	5.9	3.7
American Indian/Alaska Native (number)	365	326	15	69	8	10	9	35	89	91	39
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	30.7	30.7	6.7	13.0	37.5	20.0	0.0	20.0	44.9	41.8	30.8
Loans	9.3	10.1	6.7	7.2	12.5	0.0	0.0	2.9	19.1	8.8	2.6
Savings	4.1	3.7	0.0	0.0	0.0	0.0	0.0	2.9	3.4	8.8	7.7
Other earnings in graduate school	8.8	8.3	0.0	2.9	25.0	10.0	0.0	2.9	9.0	14.3	12.8
Other family earnings or savings	8.5	8.6	0.0	2.9	0.0	10.0	0.0	11.4	13.5	9.9	7.7
Teaching assistantship	8.5	9.5	6.7	7.2	0.0	10.0	44.4	11.4	7.9	9.9	0.0
Research assistantship, traineeship, and internship	15.9	15.3	26.7	18.8	0.0	10.0	33.3	40.0	10.1	6.6	20.5
Research assistantship	14.5	14.1	26.7	14.5	0.0	10.0	33.3	40.0	9.0	6.6	17.9
Traineeship	0.8	0.9	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internship or residency	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	2.6
Fellowship/scholarship or dissertation grant	32.9	33.4	26.7	55.1	12.5	50.0	0.0	17.1	27.0	34.1	28.2
Fellowship/scholarship	31.5	31.9	26.7	50.7	12.5	50.0	0.0	17.1	25.8	33.0	28.2
Dissertation grant	1.4	1.5	0.0	4.3	0.0	0.0	0.0	0.0	1.1	1.1	0.0
Employer reimbursement or assistance	3.6	2.5	20.0	0.0	37.5	0.0	11.1	0.0	0.0	1.1	12.8
Foreign	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
Other	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
Not reported	7.9	8.0	13.3	5.8	12.5	10.0	11.1	11.4	7.9	6.6	7.7

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 2000–2004
(Percent distribution)

Race/ethnicity and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
Other or Not reported race/ethnicity (number)	2,676	2,268	79	616	85	89	80	355	422	542	408
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	18.7	19.9	12.7	10.4	21.2	12.4	11.3	3.9	35.5	32.3	12.3
Loans	5.5	6.1	1.3	1.9	0.0	4.5	2.5	0.3	17.1	8.7	2.0
Savings	1.7	1.8	3.8	0.6	1.2	1.1	1.3	0.0	2.8	3.3	1.5
Other earnings in graduate school	6.5	6.6	3.8	3.9	14.1	3.4	3.8	2.0	6.6	12.9	5.9
Other family earnings or savings	5.0	5.4	3.8	3.9	5.9	3.4	3.8	1.7	9.0	7.4	2.9
Teaching assistantship	11.3	12.4	6.3	8.1	7.1	5.6	45.0	12.4	10.4	17.0	4.9
Research assistantship, traineeship, and internship	23.6	22.3	36.7	25.2	27.1	32.6	8.8	46.2	14.9	6.6	30.9
Research assistantship	21.4	19.8	36.7	19.3	27.1	31.5	8.8	45.6	11.4	6.3	30.1
Traineeship	1.9	2.2	0.0	5.7	0.0	0.0	0.0	0.6	2.6	0.2	0.7
Internship or residency	0.3	0.3	0.0	0.2	0.0	1.1	0.0	0.0	0.9	0.2	0.0
Fellowship/scholarship or dissertation grant	24.9	25.2	21.5	38.8	23.5	33.7	16.3	17.2	16.1	22.7	23.5
Fellowship/scholarship	21.5	21.6	17.7	31.3	21.2	30.3	15.0	14.4	14.5	20.8	21.3
Dissertation grant	3.4	3.6	3.8	7.5	2.4	3.4	1.3	2.8	1.7	1.8	2.2
Employer reimbursement or assistance	2.6	1.5	3.8	1.3	2.4	2.2	0.0	1.4	0.9	1.7	9.1
Foreign	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7
Other	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0
Not reported	18.5	18.5	19.0	16.2	18.8	13.5	18.8	18.6	21.8	19.2	18.6

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2000–2004.