

TABLE S3-24

Plans of foreign recipients of U.S. doctorates to stay in the United States, by field of doctorate and place of citizenship: 2006–17

(Number and percent)

Field and place of citizenship	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	2006–09	2010–13	2014–17	2006–09	2010–13	2014–17	2006–09	2010–13	2014–17
All S&E fields	56,139	56,312	62,671	77.3	74.9	76.5	51.6	47.5	45.8
China	17,467	16,577	21,104	89.0	84.1	83.2	57.7	52.6	50.0
India	8,273	8,878	8,855	88.6	86.0	87.6	60.2	54.9	51.5
South Korea	4,981	4,685	3,989	69.6	65.2	68.9	45.4	41.9	42.5
Iran	657	1,231	3,005	91.9	89.2	91.9	61.6	57.3	52.8
Taiwan	2,117	2,432	2,206	67.3	71.4	78.7	40.7	41.5	44.2
Turkey	1,797	1,773	1,668	70.6	64.8	65.6	48.7	43.1	41.1
Canada	1,745	1,599	1,529	66.4	66.4	66.7	47.4	47.3	45.0
Nepal	191	448	850	91.1	87.7	89.8	60.7	51.3	50.2
Colombia	492	632	760	65.0	61.9	66.6	44.9	37.8	41.4
Mexico	751	749	758	53.3	60.7	64.1	40.5	38.6	37.5
Bangladesh	330	342	742	81.8	83.6	88.9	58.5	48.2	49.6
Thailand	995	915	730	31.0	30.8	26.8	15.8	15.1	14.1
Germany	753	793	698	67.5	66.5	65.0	52.9	49.6	45.8
Brazil	567	597	606	50.4	52.6	60.7	37.0	34.5	41.6
Japan	950	868	606	57.8	59.9	60.1	41.2	38.2	35.5
Other	14,073	13,793	14,565	69.5	67.5	65.0	47.3	43.2	39.1
Physical and earth sciences	8,819	8,579	9,432	79.9	77.5	77.8	54.9	52.0	45.7
China	3,167	2,999	3,814	88.2	85.0	83.0	58.7	55.7	46.9
India	923	1,223	1,156	85.9	83.4	83.9	58.9	56.5	49.8
South Korea	601	521	347	77.5	69.3	70.3	56.9	50.1	46.4
Taiwan	226	286	314	78.3	73.8	75.5	59.7	49.7	46.5
Sri Lanka	135	179	307	83.7	82.1	79.2	52.6	49.2	42.3
Iran	61	69	270	85.2	79.7	87.0	55.7	53.6	50.0
Nepal	59	144	244	s	89.6	87.7	62.7	59.7	48.8
Turkey	224	188	186	79.0	74.5	65.1	49.6	52.1	39.8
Canada	268	209	179	64.9	67.0	67.6	47.4	52.6	50.8
Russia	281	173	153	79.0	86.1	81.7	53.7	64.2	51.0
Germany	134	147	128	53.0	61.9	65.6	41.8	50.3	44.5
Thailand	88	95	97	33.0	35.8	26.8	20.5	20.0	15.5
Colombia	63	85	95	71.4	60.0	74.7	54.0	32.9	49.5
Mexico	94	113	92	60.6	59.3	66.3	48.9	40.7	41.3
France	105	99	88	64.8	66.7	73.9	50.5	47.5	45.5
Other	2,390	2,049	1,962	73.6	70.3	69.0	51.0	46.4	41.6
Biological sciences	11,495	11,844	12,269	80.5	79.8	79.0	54.1	49.6	46.2
China	3,693	3,415	3,866	90.7	85.6	83.9	58.3	53.0	49.6
India	1,754	2,222	2,310	90.8	88.9	90.4	61.6	52.4	49.9
South Korea	792	710	547	85.6	83.1	83.2	61.6	56.1	51.4
Taiwan	481	619	531	77.5	82.9	87.9	52.4	51.4	52.7
Canada	461	378	350	70.9	71.2	77.1	52.1	46.8	43.7
Nepal	44	120	251	88.6	88.3	92.4	52.3	47.5	53.0
Brazil	189	194	226	52.9	57.2	65.5	35.4	38.7	39.4
Colombia	133	160	203	63.9	68.1	66.0	42.9	42.5	39.9
Turkey	188	191	200	80.3	77.5	72.0	57.4	56.0	43.5
Thailand	188	185	192	21.8	31.4	25.0	16.5	17.8	15.6
Mexico	204	175	189	45.6	62.3	70.4	33.3	36.0	41.3
Iran	42	59	163	100.0	88.1	90.2	64.3	54.2	55.2

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	2006–09	2010–13	2014–17	2006–09	2010–13	2014–17	2006–09	2010–13	2014–17
Germany	163	176	147	76.7	76.1	66.0	59.5	45.5	40.1
Japan	165	185	138	78.8	74.1	72.5	60.6	49.2	38.4
Singapore	49	76	102	46.9	46.1	37.3	30.6	32.9	29.4
Other	2,949	2,979	2,854	71.5	73.0	68.3	47.9	46.3	40.4
Health sciences	2,091	2,239	2,559	68.9	71.0	72.6	43.2	42.2	42.4
China	373	437	530	84.2	84.7	85.5	54.4	55.1	54.3
India	399	453	479	89.2	88.7	89.4	56.1	49.9	49.7
South Korea	190	178	222	77.9	73.0	77.9	48.9	39.3	44.1
Taiwan	209	182	142	52.6	55.5	73.9	30.6	35.2	39.4
Saudi Arabia	26	24	110	s	s	11.8	0.0	s	4.5
Canada	107	116	106	66.4	62.1	67.0	45.8	44.0	45.3
Nigeria	22	31	68	77.3	s	80.9	36.4	35.5	41.2
Thailand	92	88	66	15.2	11.4	18.2	5.4	0.0	7.6
Jordan	41	48	65	26.8	41.7	40.0	s	12.5	20.0
Japan	45	55	42	53.3	54.5	76.2	35.6	30.9	50.0
Brazil	36	36	37	44.4	63.9	70.3	27.8	36.1	45.9
Egypt	34	36	33	61.8	s	78.8	35.3	52.8	57.6
Unknown foreign country	22	16	29	54.5	62.5	58.6	31.8	25.0	48.3
Ghana	7	15	27	100.0	73.3	77.8	s	40.0	22.2
Kenya	15	17	25	53.3	s	68.0	s	41.2	24.0
Nepal	s	18	25	s	s	s	s	38.9	64.0
United Kingdom	29	21	25	82.8	76.2	72.0	65.5	61.9	32.0
Other	440	468	528	64.1	64.3	64.6	41.1	40.2	37.9
Mathematics and computer sciences	6,888	6,946	8,404	79.4	76.9	80.9	55.8	52.8	54.8
China	2,666	2,695	3,578	89.7	86.0	87.8	62.5	57.9	59.2
India	975	905	1,000	86.4	83.4	85.6	63.6	58.8	59.5
South Korea	489	480	434	74.0	68.5	76.0	46.0	42.9	52.1
Iran	54	116	304	83.3	83.6	92.1	57.4	51.7	60.9
Turkey	217	221	233	62.7	69.7	69.1	46.1	48.9	49.4
Taiwan	161	207	221	68.3	70.5	78.3	42.9	45.4	47.5
Bangladesh	31	65	154	s	93.8	94.2	71.0	58.5	61.0
Vietnam	41	104	131	73.2	74.0	84.7	53.7	52.9	58.8
Canada	133	144	129	63.2	63.9	67.4	50.4	54.9	55.0
Saudi Arabia	18	21	106	s	s	11.3	s	s	4.7
Greece	88	67	92	56.8	71.6	84.8	43.2	55.2	64.1
Nepal	9	31	92	100.0	s	88.0	s	61.3	55.4
Sri Lanka	30	50	92	80.0	80.0	80.4	53.3	50.0	50.0
Jordan	46	63	89	37.0	44.4	49.4	26.1	23.8	18.0
Italy	58	70	77	69.0	61.4	72.7	53.4	41.4	55.8
Other	1,872	1,707	1,672	69.2	65.9	70.0	49.1	47.2	47.7
Social sciences	7,920	8,066	8,334	60.4	55.9	57.9	43.1	36.1	36.9
China	1,135	1,205	1,701	77.0	63.5	65.0	55.5	40.7	43.0
South Korea	854	861	932	48.1	45.6	53.2	30.6	28.0	31.8
India	479	581	506	79.5	72.5	70.9	58.0	48.2	45.7
Canada	492	466	484	57.7	56.2	54.8	42.3	40.6	37.4
Turkey	417	420	373	54.0	39.0	45.8	40.8	25.7	25.7
Taiwan	282	324	288	39.4	43.8	53.8	23.4	21.6	27.8

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	2006–09	2010–13	2014–17	2006–09	2010–13	2014–17	2006–09	2010–13	2014–17
Germany	229	223	224	69.9	62.3	62.5	57.2	49.3	48.7
Japan	406	353	221	47.3	52.7	46.6	35.0	32.6	29.9
Mexico	185	164	187	48.1	53.0	56.1	38.9	32.9	28.3
Italy	144	135	160	61.8	51.9	60.0	47.2	37.8	50.6
Brazil	153	141	146	41.8	42.6	48.6	31.4	27.0	33.6
Colombia	91	100	135	40.7	47.0	43.0	28.6	35.0	30.4
United Kingdom	117	139	133	75.2	66.2	69.2	53.8	46.8	49.6
Chile	66	62	112	27.3	37.1	28.6	16.7	29.0	20.5
Argentina	131	150	100	64.9	57.3	60.0	52.7	48.0	51.0
Other	2,739	2,742	2,632	61.2	57.4	57.8	42.8	35.5	34.9
Engineering	18,926	18,638	21,673	81.3	78.4	80.4	51.3	47.7	46.0
China	6,433	5,826	7,615	90.4	86.2	84.7	55.5	50.7	48.6
India	3,743	3,494	3,404	89.9	87.6	89.7	59.7	56.6	52.0
Iran	453	920	2,148	92.9	91.2	93.0	64.0	59.3	51.8
South Korea	2,055	1,935	1,507	68.1	64.6	69.6	41.6	40.7	41.9
Taiwan	758	814	710	71.8	76.7	84.5	36.3	39.6	43.5
Turkey	742	746	660	77.1	72.1	73.6	51.6	45.7	45.9
Bangladesh	144	167	390	86.8	83.8	90.3	55.6	47.3	47.2
Canada	284	286	281	77.1	79.0	73.3	48.2	52.8	51.2
Egypt	189	231	269	78.3	68.8	69.9	50.3	39.4	37.2
Colombia	151	211	259	75.5	67.8	75.3	50.3	37.4	42.5
Thailand	397	328	224	40.6	36.6	32.6	18.6	16.5	15.6
Saudi Arabia	69	64	214	15.9	17.2	13.6	11.6	s	2.8
Mexico	180	198	196	61.1	63.6	66.8	45.0	39.4	37.2
Pakistan	100	153	193	72.0	51.0	59.1	45.0	32.7	34.2
Jordan	176	177	175	62.5	58.2	53.7	37.5	32.2	30.9
Other	3,052	3,088	3,428	72.1	70.5	70.3	47.4	42.9	40.0

s = suppressed for reasons of confidentiality and/or reliability.

Note(s)

For each broad field of doctorate, data are presented for the source countries with the largest numbers of U.S. doctorate recipients in that field in 2014–17. Data include foreign doctorate recipients who are on permanent or temporary visas and also those whose visa status is unknown. The information on a plan to stay or a definite plan to stay reflects intentions within the year after graduation as reported by the doctoral recipient around the graduation date. Recipients who plan to stay think they will locate in the United States; those with definite plans have a postdoctoral research appointment or a definite employment plan in the United States. Percentages are based on the total number of foreign S&E doctorate recipients, including those who did not report their postgraduate location plans or employment plans. The percentage of foreign S&E doctorate recipients who did not report postgraduate location plans ranged from 2.1% to 4.5% over the 2006–17 period, and the percentage who either did not report postgraduate location plans or did not report employment plans ranged from 3.3% to 7.0% over that period.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, Survey of Earned Doctorates (SED).