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Plans of foreign recipients of U.S. S&E doctorates to stay in United States, by field and place of origin: 1992–2003

Field and place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03
All S&E fields									
All non-U.S. citizens.....	40,941	40,133	37,608	67.6	71.7	73.6	34.7	45.6	51.1
East/South Asia	25,456	24,471	21,215	73.3	77.7	79.9	37.1	49.3	54.8
China ^a	10,256	10,658	10,089	95.3	92.7	92.5	46.8	58.6	63.6
Taiwan	5,152	4,099	2,267	53.4	60.3	66.8	24.0	33.7	40.6
Japan	566	581	656	42.6	47.5	59.6	24.6	29.8	41.6
South Korea	4,392	3,455	3,461	42.1	50.9	69.6	20.2	31.3	46.3
India	4,214	4,781	3,238	88.0	90.1	89.2	53.2	62.5	66.6
Other	876	897	1,504	36.6	36.8	28.1	16.2	22.4	17.9
West Asia	4,070	3,131	3,355	60.8	61.6	62.2	25.9	34.8	42.3
Iran	770	454	309	80.5	86.1	88.0	29.5	46.5	55.3
Israel	371	223	174	56.9	63.7	74.1	31.8	45.7	50.0
Turkey	587	686	1,309	53.8	60.5	58.6	26.4	36.4	40.6
Other	2,342	1,768	1,563	56.7	55.5	58.9	23.6	29.9	40.4
Pacifica/Australasia	940	850	648	48.8	54.0	61.1	28.3	32.9	42.3
Australia	216	208	155	55.6	61.5	67.7	39.4	44.7	47.7
Indonesia	336	251	225	26.2	32.3	51.1	12.5	17.1	32.9
New Zealand	81	101	89	48.1	60.4	66.3	37.0	42.6	49.4
Other	307	290	179	69.1	65.2	65.4	35.5	34.8	45.8
Africa	2,067	1,599	1,400	57.0	59.6	67.5	19.5	28.4	41.4
Egypt	389	339	380	50.9	51.9	63.4	17.2	28.9	44.2
Nigeria	251	144	73	90.4	84.0	89.0	27.1	31.3	46.6
South Africa	151	145	146	52.3	54.5	59.6	30.5	34.5	43.2
Other	1,276	971	801	52.9	59.4	68.9	17.4	26.9	39.3
Europe	4,494	5,604	6,338	63.5	71.2	74.3	40.4	50.3	55.0
Greece	666	462	342	60.5	67.7	67.3	35.6	47.2	51.5
United Kingdom	565	492	500	77.9	76.6	78.8	54.9	57.1	57.8
Germany	692	749	830	61.7	62.8	65.7	39.9	45.7	51.0
Italy	311	328	429	52.4	53.7	60.4	29.6	38.4	45.9
France	352	301	352	48.9	59.8	67.9	26.7	34.6	46.3
Spain	212	229	253	54.7	54.6	62.8	38.7	36.2	46.6
Other	1,696	3,043	3,632	66.9	77.2	79.4	42.7	54.7	58.3
North/South America	3,777	4,061	4,312	51.6	51.8	56.9	31.3	35.3	41.2
Canada	1,211	1,196	1,317	60.8	67.7	69.6	43.5	49.7	53.7
Mexico	550	680	821	38.9	35.3	44.2	20.0	21.9	30.0
Argentina	244	268	286	54.5	65.3	66.8	34.8	45.5	51.7
Brazil	593	706	531	32.0	31.2	38.0	16.0	20.4	27.7
Chile	183	125	180	47.5	46.4	41.7	28.4	33.6	32.8
Colombia	168	167	266	51.8	49.7	59.8	23.2	32.3	42.5
Peru	128	132	117	65.6	68.9	71.8	39.8	43.9	44.4
Other	700	787	794	59.9	54.3	58.4	32.0	34.3	38.3
Country unknown	129	379	295	86.8	71.2	31.2	23.3	37.7	12.9
Physical/earth, atmospheric, and ocean sciences									
All non-U.S. citizens.....	7,529	7,144	6,489	76.9	78.7	79.6	40.7	51.8	58.3
East/South Asia	5,028	4,318	3,529	83.0	84.9	85.9	43.0	54.3	62.7
China ^a	2,959	2,503	2,094	95.3	93.3	92.5	47.3	58.8	66.3
Taiwan	662	503	245	60.7	69.2	76.7	30.1	42.3	52.2
Japan	80	84	101	45.0	59.5	71.3	23.8	39.3	49.5
South Korea	671	511	483	58.4	63.2	79.7	32.5	44.8	61.9
India	569	621	455	84.0	90.7	86.6	53.8	59.4	67.7
Other	87	96	151	50.6	51.0	35.8	21.8	27.1	25.8
West Asia	506	373	399	70.0	70.8	64.7	30.2	43.7	46.1
Iran	98	69	37	85.7	84.1	81.1	27.6	50.7	64.9
Israel	41	24	17	63.4	79.2	64.7	41.5	62.5	41.2
Turkey	71	66	132	63.4	60.6	59.1	31.0	40.9	40.2
Other	296	214	213	67.2	68.7	65.3	29.4	40.2	46.9
Pacifica/Australasia	150	140	95	61.3	60.7	73.7	32.7	35.0	49.5
Australia	28	27	15	67.9	59.3	66.7	39.3	40.7	66.7
Indonesia	32	26	27	37.5	53.8	63.0	21.9	34.6	44.4
New Zealand	16	16	9	43.8	68.8	66.7	43.8	43.8	44.4
Other	74	71	44	73.0	62.0	84.1	32.4	31.0	47.7

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Plans of foreign recipients of U.S. S&E doctorates to stay in United States, by field and place of origin: 1992–2003

Field and place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03
Africa	225	179	166	74.2	69.3	83.1	25.3	33.5	54.2
Egypt	26	18	33	69.2	44.4	81.8	11.5	27.8	63.6
Nigeria	25	19	6	96.0	94.7	66.7	40.0	26.3	66.7
South Africa	24	19	19	62.5	47.4	57.9	33.3	42.1	36.8
Other	150	123	108	73.3	72.4	88.9	24.0	34.1	53.7
Europe	1,011	1,506	1,681	60.9	71.9	75.4	38.4	53.3	56.3
Greece	143	75	52	60.1	57.3	59.6	32.2	38.7	46.2
United Kingdom	133	118	116	76.7	68.6	75.9	55.6	52.5	61.2
Germany	182	219	224	51.1	58.9	63.8	33.5	44.7	50.0
Italy	59	71	101	50.8	52.1	55.4	28.8	40.8	39.6
France	111	74	95	42.3	50.0	68.4	28.8	31.1	47.4
Spain	32	29	42	59.4	51.7	59.5	40.6	34.5	40.5
Other	351	920	1,051	68.1	80.5	81.7	41.3	60.0	60.6
North/South America	582	544	555	63.4	62.1	68.1	42.6	46.0	51.5
Canada	211	178	198	65.9	78.7	77.8	53.1	63.5	64.6
Mexico	78	77	100	53.8	35.1	55.0	32.1	19.5	40.0
Argentina	43	62	41	69.8	77.4	80.5	51.2	53.2	56.1
Brazil	76	74	48	52.6	40.5	37.5	31.6	32.4	25.0
Chile	36	16	12	63.9	50.0	66.7	41.7	37.5	41.7
Colombia	22	17	47	40.9	52.9	70.2	18.2	41.2	57.4
Peru	13	19	14	84.6	63.2	78.6	76.9	36.8	35.7
Other	103	101	95	72.8	63.4	69.5	35.0	44.6	48.4
Country unknown	27	77	51	81.5	68.8	37.3	25.9	40.3	19.6
Biological/agricultural sciences									
All non-U.S. citizens	10,201	11,451	10,210	69.4	73.2	74.2	40.8	47.9	50.8
East/South Asia	6,018	7,029	5,908	81.0	82.4	82.9	48.8	54.6	56.7
China ^a	2,940	3,771	3,078	97.1	93.5	94.0	58.0	61.8	63.9
Taiwan	1,079	1,100	638	62.0	62.9	68.2	33.6	40.4	44.2
Japan	121	119	158	62.8	60.5	68.4	45.5	42.0	48.7
South Korea	818	734	705	56.2	64.7	84.0	38.4	46.6	61.4
India	772	1,010	838	92.5	91.4	90.9	57.4	59.5	62.3
Other	288	295	491	34.7	35.6	22.0	19.1	24.1	14.1
West Asia	846	750	755	54.1	60.9	53.6	27.3	34.5	34.6
Iran	141	112	49	77.3	86.6	85.7	33.3	46.4	42.9
Israel	50	59	32	52.0	72.9	87.5	36.0	49.2	50.0
Turkey	77	106	260	51.9	55.7	40.0	32.5	31.1	26.2
Other	578	473	414	49.0	54.5	55.8	24.4	30.7	37.7
Pacifica/Australasia	303	285	187	42.9	50.5	61.0	26.4	29.8	43.3
Australia	62	73	43	41.9	60.3	83.7	33.9	43.8	60.5
Indonesia	106	80	46	13.2	25.0	43.5	7.5	16.3	23.9
New Zealand	24	34	29	41.7	50.0	55.2	29.2	32.4	48.3
Other	111	98	69	72.1	64.3	60.9	39.6	29.6	43.5
Africa	743	559	472	46.8	53.1	60.0	16.4	23.3	34.3
Egypt	98	43	69	46.9	41.9	60.9	19.4	25.6	42.0
Nigeria	70	46	28	92.9	91.3	92.9	32.9	37.0	35.7
South Africa	43	47	40	58.1	48.9	52.5	30.2	29.8	37.5
Other	532	423	335	39.8	50.6	57.9	12.6	20.8	32.2
Europe	942	1,246	1,295	65.1	72.7	77.1	43.0	51.8	55.1
Greece	81	83	62	50.6	67.5	59.7	30.9	54.2	46.8
United Kingdom	150	147	144	78.0	83.7	86.8	56.7	65.3	59.7
Germany	152	197	183	68.4	65.5	71.6	46.1	47.2	54.6
Italy	44	55	57	63.6	56.4	56.1	31.8	32.7	40.4
France	61	69	67	50.8	65.2	70.1	29.5	34.8	40.3
Spain	79	79	60	62.0	59.5	71.7	40.5	36.7	50.0
Other	375	616	722	64.8	77.1	80.9	42.9	55.2	57.9
North/South America	1,325	1,473	1,535	47.8	47.5	55.3	28.5	31.9	40.1
Canada	386	418	461	59.3	66.5	70.1	41.5	49.0	55.7
Mexico	235	282	275	34.5	32.3	40.0	17.9	19.9	25.8
Argentina	90	80	97	42.2	53.8	68.0	26.7	43.8	49.5
Brazil	199	260	189	24.6	24.2	31.7	11.1	14.2	24.3
Chile	61	49	69	57.4	51.0	52.2	36.1	42.9	40.6

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Field and place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03
Colombia	54	66	99	64.8	51.5	60.6	25.9	34.8	40.4
Peru	36	35	44	63.9	68.6	70.5	41.7	48.6	36.4
Other	264	283	301	54.2	50.2	54.2	29.9	26.9	36.5
Country unknown	23	100	50	87.0	77.0	38.0	21.7	47.0	16.0
Mathematics/computer sciences									
All non-U.S. citizens	4,204	3,895	3,643	68.7	73.4	76.4	36.9	47.8	56.7
East/South Asia	2,599	2,185	1,852	73.5	78.5	82.7	36.9	50.3	59.8
China ^a	1,085	859	876	93.5	92.5	90.8	41.9	58.0	67.4
Taiwan	484	352	194	51.0	62.5	65.5	23.6	33.2	36.1
Japan	39	32	43	43.6	71.9	74.4	23.1	46.9	51.2
South Korea	358	332	327	34.1	48.8	76.5	13.7	23.2	51.7
India	559	541	314	86.8	90.2	92.0	56.9	69.3	72.0
Other	74	69	98	33.8	40.6	39.8	17.6	26.1	30.6
West Asia	368	266	324	62.2	53.4	63.6	32.1	30.8	49.1
Iran	61	28	31	78.7	78.6	90.3	34.4	42.9	64.5
Israel	83	33	29	66.3	75.8	65.5	47.0	66.7	48.3
Turkey	60	59	117	55.0	64.4	68.4	30.0	37.3	54.7
Other	164	146	147	56.7	39.0	53.7	24.4	17.8	41.5
Pacifica/Australasia	92	78	60	70.7	74.4	68.3	45.7	50.0	55.0
Australia	33	23	26	69.7	82.6	53.8	45.5	60.9	50.0
Indonesia	18	14	8	38.9	42.9	75.0	11.1	0.0	50.0
New Zealand	10	18	20	60.0	77.8	80.0	60.0	66.7	55.0
Other	31	23	6	93.5	82.6	83.3	61.3	56.5	83.3
Africa	138	92	93	65.9	68.5	77.4	27.5	35.9	52.7
Egypt	27	30	24	66.7	66.7	79.2	18.5	40.0	58.3
Nigeria	12	S	S	91.7	S	S	41.7	S	S
South Africa	12	10	16	66.7	70.0	75.0	58.3	50.0	50.0
Other	87	48	51	62.1	66.7	76.5	24.1	33.3	51.0
Europe	691	891	959	62.4	74.9	76.6	42.7	52.7	59.4
Greece	108	75	54	60.2	65.3	72.2	40.7	45.3	48.1
United Kingdom	48	43	53	66.7	86.0	69.8	47.9	69.8	60.4
Germany	103	95	111	60.2	64.2	63.1	38.8	45.3	53.2
Italy	81	57	45	39.5	61.4	68.9	24.7	49.1	51.1
France	30	21	27	56.7	85.7	63.0	36.7	28.6	44.4
Spain	14	30	15	64.3	43.3	53.3	57.1	33.3	40.0
Other	307	570	654	69.7	79.6	81.5	48.5	56.0	63.0
North/South America	306	337	325	50.7	53.1	57.5	32.4	34.7	43.4
Canada	100	96	97	64.0	67.7	67.0	45.0	47.9	51.5
Mexico	41	58	65	39.0	36.2	38.5	22.0	20.7	27.7
Argentina	16	22	20	43.8	77.3	80.0	25.0	45.5	75.0
Brazil	59	66	57	33.9	37.9	54.4	22.0	22.7	40.4
Chile	14	9	13	42.9	33.3	53.8	14.3	11.1	38.5
Colombia	22	24	21	31.8	54.2	52.4	18.2	41.7	33.3
Peru	8	S	6	62.5	S	83.3	25.0	S	83.3
Other	46	59	46	65.2	54.2	58.7	43.5	35.6	39.1
Country unknown	9	42	25	66.7	69.0	32.0	11.1	45.2	8.0
Social/behavioral sciences									
All non-U.S. citizens	5,611	5,312	5,286	52.5	52.8	57.9	26.6	31.6	41.1
East/South Asia	2,650	2,533	2,088	49.7	52.3	57.3	23.7	29.8	39.8
China ^a	646	653	513	85.4	80.7	82.1	39.6	47.8	61.4
Taiwan	388	406	255	29.1	31.0	41.2	9.5	12.1	23.5
Japan	202	225	241	39.1	41.8	50.2	20.8	24.4	33.6
South Korea	846	670	572	26.1	29.3	41.1	8.9	14.2	26.0
India	399	434	334	76.9	78.6	81.4	49.9	51.6	59.0
Other	169	145	173	26.0	29.0	24.3	11.2	13.8	16.8
West Asia	618	444	501	51.1	45.0	57.9	21.4	26.6	39.5
Iran	83	30	20	77.1	80.0	85.0	24.1	43.3	30.0
Israel	116	65	73	56.9	52.3	69.9	26.7	36.9	53.4
Turkey	84	102	201	47.6	39.2	52.2	25.0	28.4	37.8
Other	335	247	207	43.6	41.3	56.5	17.9	21.1	37.2

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Plans of foreign recipients of U.S. S&E doctorates to stay in United States, by field and place of origin: 1992–2003

Field and place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03
Pacifica/Australasia.....	210	189	149	38.1	43.4	49.0	21.0	25.9	32.2
Australia	58	59	51	48.3	52.5	64.7	37.9	39.0	39.2
Indonesia	70	51	43	17.1	13.7	27.9	5.7	2.0	14.0
New Zealand.....	26	20	18	46.2	50.0	66.7	26.9	40.0	50.0
Other	56	59	37	50.0	57.6	43.2	19.6	28.8	35.1
Africa	410	300	250	58.8	55.0	65.2	16.3	21.7	36.0
Egypt.....	33	25	28	30.3	44.0	35.7	9.1	20.0	25.0
Nigeria.....	100	40	20	86.0	60.0	85.0	16.0	17.5	55.0
South Africa	45	34	39	42.2	52.9	53.8	24.4	23.5	35.9
Other	232	201	163	54.3	55.7	70.6	15.9	22.4	35.6
Europe	842	894	1,157	63.4	62.8	65.7	41.4	43.3	51.3
Greece.....	86	67	48	58.1	77.6	58.3	32.6	50.7	41.7
United Kingdom	164	136	139	76.8	70.6	76.3	52.4	48.5	56.1
Germany.....	148	127	151	67.6	65.4	69.5	47.3	45.7	55.6
Italy	87	95	135	59.8	46.3	61.5	34.5	36.8	53.3
France	37	54	68	54.1	59.3	66.2	32.4	35.2	47.1
Spain.....	58	57	84	46.6	47.4	56.0	37.9	33.3	45.2
Other	262	358	532	60.7	63.4	65.0	38.5	43.6	50.8
North/South America.....	848	894	1,074	50.9	48.5	51.2	30.9	32.7	36.8
Canada	348	327	395	57.8	58.4	62.0	39.7	39.8	47.1
Mexico.....	97	120	166	33.0	31.7	37.3	14.4	20.8	23.5
Argentina.....	57	58	87	54.4	50.0	52.9	31.6	27.6	42.5
Brazil.....	86	103	114	44.2	32.0	37.7	24.4	24.3	28.1
Chile.....	41	34	50	29.3	50.0	26.0	14.6	32.4	22.0
Colombia	31	30	35	41.9	30.0	42.9	22.6	13.3	34.3
Peru.....	40	48	31	45.0	62.5	64.5	27.5	43.8	45.2
Other	148	174	196	58.8	50.0	54.1	31.8	34.5	32.7
Country unknown.....	32	57	61	87.5	61.4	39.3	21.9	22.8	19.7
Engineering									
All non-U.S. citizens.....	13,396	12,331	11,980	67.0	73.8	75.8	29.3	45.3	50.2
East/South Asia.....	9,161	8,406	7,838	69.6	77.6	80.3	30.1	48.0	52.8
China ^a	2,626	2,872	3,528	96.6	93.8	93.1	37.3	56.8	61.1
Taiwan	2,539	1,738	935	52.1	62.5	70.6	20.5	32.1	40.6
Japan	124	121	113	26.6	30.6	51.3	11.3	16.5	38.1
South Korea.....	1,699	1,208	1,374	38.4	50.0	68.9	13.7	28.0	40.2
India.....	1,915	2,175	1,297	90.0	91.6	90.2	50.9	65.1	69.5
Other	258	292	591	41.9	36.3	30.3	14.0	22.6	17.3
West Asia	1,732	1,298	1,376	64.5	66.7	67.5	24.2	36.1	44.9
Iran.....	387	215	172	81.4	88.4	90.1	28.9	46.0	58.1
Israel	81	42	23	46.9	50.0	87.0	16.0	28.6	47.8
Turkey.....	295	353	599	53.6	67.4	66.8	23.4	39.4	45.1
Other	969	688	582	62.6	60.6	60.8	23.2	31.8	40.7
Pacifica/Australasia.....	185	158	157	49.7	57.0	62.4	27.6	36.7	41.4
Australia	35	26	20	68.6	69.2	60.0	45.7	50.0	25.0
Indonesia	110	80	101	39.1	42.5	59.4	19.1	25.0	40.6
New Zealand.....	5	13	13	80.0	69.2	69.2	60.0	38.5	46.2
Other	35	39	23	60.0	74.4	73.9	31.4	51.3	56.5
Africa	551	469	419	60.3	64.8	69.0	21.6	35.4	45.1
Egypt.....	205	223	226	51.7	53.4	63.3	18.0	29.1	42.9
Nigeria.....	44	35	17	93.2	94.3	94.1	31.8	45.7	47.1
South Africa	27	35	32	44.4	62.9	68.8	25.9	42.9	59.4
Other	275	176	144	62.9	73.9	75.0	22.2	39.8	45.1
Europe	1,008	1,067	1,246	65.6	72.4	76.1	37.5	48.2	53.1
Greece.....	248	162	126	64.9	69.8	75.4	37.9	46.9	61.1
United Kingdom	70	48	48	90.0	83.3	79.2	60.0	56.3	45.8
Germany.....	107	111	161	63.6	61.3	59.6	32.7	45.0	42.2
Italy	40	50	91	52.5	58.0	62.6	27.5	32.0	42.9
France	113	83	95	50.4	57.8	68.4	18.6	38.6	49.5
Spain.....	29	34	52	41.4	67.6	69.2	24.1	44.1	51.9
Other	401	579	673	69.6	78.1	83.4	41.9	51.5	56.8

Appendix table 2-33

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Plans of foreign recipients of U.S. S&E doctorates to stay in United States, by field and place of origin: 1992–2003

Field and place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03	1992–95	1996–99	2000–03
North/South America.....	716	813	823	50.4	55.7	59.5	27.4	37.5	41.1
Canada.....	166	177	166	62.0	76.8	77.7	43.4	57.1	51.8
Mexico.....	99	143	215	43.4	44.1	51.6	20.2	28.7	36.3
Argentina.....	38	46	41	71.1	82.6	73.2	44.7	60.9	61.0
Brazil.....	173	203	123	24.9	34.0	40.7	8.7	21.2	27.6
Chile.....	31	17	36	35.5	29.4	30.6	22.6	17.6	27.8
Colombia.....	39	30	64	59.0	60.0	62.5	25.6	33.3	42.2
Peru.....	31	27	22	87.1	81.5	77.3	41.9	40.7	54.5
Other.....	139	170	156	60.4	60.0	65.4	30.2	40.0	42.3
Country unknown.....	38	103	108	94.7	73.8	20.4	26.3	32.0	5.6

S = suppressed for reasons of confidentiality

*Includes Hong Kong.

NOTES: Data include permanent and temporary residents. Recipients who plan to stay report plan to locate in United States; those with definite plans report postdoctoral research appointment or definite employment plans in United States.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, special tabulations (2004).

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