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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: 1994–2005

Field/place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05
All S&E fields									
All non-U.S. citizens.....	42,490	37,825	41,071	70.9	72.0	73.8	39.1	49.7	49.3
East/South Asia	26,827	21,765	23,564	76.7	78.5	79.8	42.0	53.8	52.3
China ^a	11,297	9,947	11,594	95.9	90.9	91.6	51.5	62.1	60.2
Taiwan	4,977	3,043	1,889	56.0	63.7	65.3	26.7	38.3	38.6
Japan.....	614	596	713	43.8	54.9	58.8	27.7	35.9	40.8
South Korea	4,017	3,218	4,062	45.4	62.5	69.8	23.9	41.9	43.0
India.....	5,014	3,855	3,587	90.5	88.2	88.2	56.3	66.5	62.7
Other.....	908	1,106	1,719	35.5	33.1	31.1	17.3	21.1	19.2
West Asia	3,718	3,113	3,706	62.1	61.2	61.2	29.2	40.6	40.6
Iran	620	371	327	84.2	85.2	88.7	34.5	53.1	57.2
Israel.....	323	164	227	62.2	56.1	72.7	41.5	36.6	52.4
Turkey.....	635	950	1,411	58.4	58.4	60.2	30.1	40.6	42.0
Other.....	2,140	1,628	1,741	56.8	57.9	55.3	25.5	38.1	34.9
Pacific/Australasia	945	736	660	51.9	56.4	64.2	27.6	39.7	42.7
Australia.....	227	197	164	55.1	64.5	67.7	38.8	46.7	51.2
Indonesia	310	223	237	29.0	41.7	55.3	10.6	28.3	31.6
New Zealand	96	94	90	64.6	60.6	61.1	46.9	47.9	46.7
Other.....	312	222	169	68.3	62.2	75.1	30.4	41.4	47.9
Africa	1,894	1,480	1,487	59.5	63.6	65.9	22.2	34.9	39.6
Egypt.....	365	327	487	54.0	55.7	62.2	22.5	36.7	40.7
Nigeria	194	115	77	90.2	86.1	88.3	26.3	37.4	42.9
South Africa	144	161	126	51.4	63.4	46.8	34.7	39.1	35.7
Other.....	1,191	877	797	57.2	63.6	69.0	19.9	33.2	39.3
Europe	5,004	6,171	6,571	67.9	72.5	74.6	44.7	53.7	54.0
Greece	586	399	348	61.3	68.7	67.2	37.9	51.9	46.6
United Kingdom.....	485	516	480	77.7	77.3	78.8	53.6	58.5	57.9
Germany	757	838	750	65.3	63.0	67.3	43.9	48.7	51.3
Italy.....	328	366	494	51.2	58.2	66.0	29.0	45.6	49.0
France.....	320	327	389	55.3	68.2	67.4	31.6	45.3	46.0
Spain.....	224	240	258	58.0	54.6	59.7	39.7	38.3	42.6
Other.....	2,304	3,485	3,852	73.6	77.7	79.0	49.4	57.1	56.9
North/South America	3,875	4,232	4,664	53.0	53.4	58.3	33.0	38.9	41.5
Canada	1,180	1,259	1,458	65.0	68.7	66.9	45.8	52.7	51.1
Mexico	599	781	789	40.2	36.7	46.6	21.5	26.4	31.3
Argentina	244	273	321	65.2	61.2	70.7	43.4	47.6	54.2
Brazil	681	612	567	32.2	34.3	42.9	18.5	23.7	31.0
Chile	147	126	200	38.8	53.2	37.5	23.1	42.1	28.0
Colombia.....	178	206	322	54.5	56.8	57.5	29.2	40.8	35.4
Peru	128	111	140	71.9	62.2	71.4	42.2	38.7	45.0
Other.....	718	864	867	58.9	55.6	63.2	32.7	37.3	41.8
Country unknown	227	328	419	81.9	46.6	49.2	37.4	23.2	15.3
Physical/earth, atmospheric, and ocean sciences									
All non-U.S. citizens.....	7,522	6,585	6,773	79.0	78.2	80.3	44.7	56.5	56.9
East/South Asia	4,937	3,718	3,661	85.1	84.0	86.8	46.8	59.0	61.3
China ^a	2,911	2,212	2,237	96.2	90.9	92.4	51.1	62.8	63.7
Taiwan	599	352	194	65.8	70.7	75.8	34.2	46.9	52.1
Japan.....	89	84	102	55.1	63.1	66.7	37.1	39.3	46.1
South Korea	647	450	512	58.7	71.3	83.2	35.7	54.4	62.3
India	620	502	459	88.7	86.5	86.1	55.3	64.1	66.4
Other	71	118	157	40.8	48.3	47.8	15.5	31.4	31.2
West Asia	453	368	465	69.1	67.1	68.0	33.1	48.4	47.3
Iran	81	57	42	90.1	78.9	83.3	30.9	57.9	64.3
Israel.....	41	16	26	65.9	62.5	73.1	48.8	43.8	50.0
Turkey.....	75	92	151	57.3	57.6	68.2	32.0	41.3	50.3
Other	256	203	246	66.4	68.5	64.6	31.6	49.3	42.3
Pacific/Australasia	147	113	100	66.7	62.8	76.0	33.3	43.4	52.0
Australia	27	18	27	63.0	66.7	63.0	37.0	55.6	51.9
Indonesia	26	29	17	46.2	55.2	64.7	23.1	37.9	52.9

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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: 1994–2005

Field/place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05
New Zealand.....	14	14	13	71.4	57.1	76.9	57.1	35.7	69.2
Other	80	52	43	73.8	67.3	88.4	31.3	44.2	46.5
Africa	195	168	177	71.8	75.6	80.8	26.2	45.8	50.3
Egypt.....	18	25	43	61.1	64.0	67.4	16.7	52.0	44.2
Nigeria.....	25	14	9	100.0	78.6	88.9	32.0	35.7	33.3
South Africa.....	17	21	12	58.8	57.1	58.3	41.2	42.9	50.0
Other	135	108	113	69.6	81.5	87.6	24.4	46.3	54.0
Europe	1,202	1,629	1,705	67.1	73.5	76.7	45.9	56.7	55.1
Greece.....	112	66	57	52.7	62.1	61.4	29.5	50.0	42.1
United Kingdom.....	104	134	98	72.1	71.6	80.6	49.0	58.2	63.3
Germany.....	208	225	181	58.2	58.7	67.4	39.9	45.8	51.9
Italy.....	64	77	126	53.1	50.6	61.1	32.8	40.3	42.1
France.....	91	74	106	47.3	62.2	67.9	31.9	44.6	46.2
Spain.....	35	26	48	48.6	61.5	54.2	37.1	42.3	35.4
Other	588	1027	1,089	77.7	80.5	82.4	54.8	61.7	58.8
North/South America.....	545	522	599	64.4	67.4	65.8	43.1	54.0	50.1
Canada.....	181	193	230	74.6	80.3	67.8	56.9	66.8	57.0
Mexico.....	73	79	92	52.1	41.8	58.7	28.8	34.2	41.3
Argentina.....	61	39	40	72.1	74.4	82.5	50.8	56.4	57.5
Brazil.....	83	54	41	49.4	44.4	39.0	36.1	29.6	29.3
Chile.....	22	12	16	45.5	66.7	62.5	18.2	58.3	43.8
Colombia.....	12	34	49	25.0	79.4	59.2	8.3	70.6	40.8
Peru.....	17	14	17	76.5	64.3	76.5	47.1	35.7	47.1
Other	96	97	114	69.8	69.1	72.8	38.5	53.6	53.5
Country unknown.....	43	67	66	76.7	50.7	40.9	39.5	28.4	16.7
Biological/agricultural sciences									
All non-U.S. citizens.....	11,460	10,859	10,710	72.8	72.4	75.0	43.9	49.2	50.8
East/South Asia.....	7,041	6,435	6,125	82.9	81.4	83.5	51.2	55.5	56.0
China ^a	3,647	3,391	3,085	96.7	92.0	93.6	59.7	62.2	62.8
Taiwan.....	1,180	856	578	61.1	64.5	68.3	35.3	41.5	44.1
Japan.....	122	136	178	59.8	66.9	66.9	41.8	47.8	44.9
South Korea.....	805	714	798	59.8	74.4	86.6	41.2	55.3	59.1
India.....	988	941	979	93.3	89.1	91.9	56.9	61.4	62.8
Other	299	397	507	37.5	26.4	24.1	22.7	17.6	14.4
West Asia.....	842	720	802	56.9	56.8	54.4	28.5	36.9	35.0
Iran.....	132	74	40	81.1	85.1	92.5	37.1	47.3	50.0
Israel.....	59	42	33	71.2	61.9	78.8	52.5	33.3	48.5
Turkey.....	82	178	262	48.8	44.9	51.5	23.2	31.5	35.1
Other	569	426	467	51.0	56.3	51.0	24.8	37.8	32.8
Pacific/Australasia.....	300	228	194	48.7	52.6	60.8	28.0	34.6	41.8
Australia.....	82	63	40	51.2	68.3	80.0	37.8	49.2	55.0
Indonesia.....	94	50	51	22.3	32.0	43.1	12.8	22.0	27.5
New Zealand.....	27	32	34	59.3	46.9	50.0	40.7	37.5	38.2
Other	97	83	69	69.1	55.4	68.1	30.9	30.1	46.4
Africa.....	681	511	515	52.7	56.0	61.6	17.8	28.8	35.7
Egypt.....	62	44	118	45.2	59.1	59.3	14.5	38.6	40.7
Nigeria.....	59	39	34	91.5	94.9	94.1	28.8	41.0	47.1
South Africa.....	41	57	39	53.7	59.6	33.3	34.1	36.8	20.5
Other	519	371	324	49.1	50.9	62.3	15.6	25.1	34.6
Europe.....	1106	1,337	1,368	69.1	74.9	77.6	45.7	53.7	56.2
Greece.....	84	77	72	54.8	67.5	65.3	36.9	55.8	48.6
United Kingdom.....	137	154	146	82.5	82.5	82.9	60.6	61.7	56.2
Germany.....	193	203	164	69.9	69.0	73.2	46.6	54.7	53.7
Italy.....	55	47	81	61.8	57.4	70.4	30.9	42.6	44.4
France.....	73	68	79	63.0	67.6	77.2	37.0	32.4	53.2
Spain.....	92	72	53	62.0	56.9	77.4	39.1	36.1	49.1
Other	472	716	773	70.6	79.3	79.4	46.8	56.0	59.5
North/South America.....	1,436	1,545	1,609	50.2	49.4	58.2	31.2	35.0	42.4
Canada.....	425	435	485	62.6	68.5	72.2	44.5	52.2	57.5

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Field/place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05
Mexico.....	250	315	255	38.8	30.2	44.3	20.8	20.0	30.2
Argentina.....	76	96	100	55.3	60.4	65.0	40.8	44.8	49.0
Brazil.....	251	217	217	25.9	27.2	38.7	13.1	19.8	29.0
Chile.....	57	46	71	47.4	65.2	43.7	33.3	50.0	35.2
Colombia.....	69	78	102	69.6	53.8	54.9	39.1	35.9	33.3
Peru.....	35	36	52	60.0	66.7	73.1	40.0	41.7	40.4
Other.....	273	322	327	56.8	49.1	61.2	30.4	30.7	41.0
Country unknown.....	54	83	97	79.6	55.4	52.6	51.9	24.1	16.5
Mathematics/computer sciences									
All non-U.S. citizens.....	4,200	3,692	4,226	72.3	74.4	75.6	41.1	53.4	55.1
East/South Asia.....	2,545	1,909	2,210	77.1	80.7	81.9	41.6	56.9	58.2
China ^a	1,020	805	1,157	96.0	89.8	90.1	47.0	64.5	65.5
Taiwan.....	429	282	161	53.8	66.0	62.7	23.8	36.9	35.4
Japan.....	32	47	46	43.8	78.7	71.7	18.8	57.4	52.2
South Korea.....	358	306	360	41.1	66.7	77.2	18.7	39.9	50.0
India.....	636	398	363	89.0	90.2	86.5	61.3	74.1	64.7
Other.....	70	71	123	34.3	43.7	33.3	21.4	28.2	26.8
West Asia.....	324	296	379	63.0	57.1	63.6	35.8	40.2	48.0
Iran.....	49	30	43	79.6	83.3	81.4	44.9	56.7	60.5
Israel.....	63	21	32	77.8	66.7	59.4	60.3	52.4	46.9
Turkey.....	68	88	131	58.8	65.9	71.0	32.4	47.7	57.3
Other.....	144	157	173	52.8	45.9	54.3	23.6	31.2	38.2
Pacific/Australasia.....	89	71	57	68.5	74.6	71.9	40.4	54.9	57.9
Australia.....	30	28	26	70.0	71.4	57.7	50.0	53.6	53.8
Indonesia.....	20	11	9	45.0	45.5	88.9	0.0	18.2	55.6
New Zealand.....	17	17	14	76.5	82.4	71.4	64.7	64.7	57.1
Other.....	22	15	8	81.8	93.3	100.0	45.5	73.3	75.0
Africa.....	110	95	126	66.4	76.8	72.2	28.2	46.3	51.6
Egypt.....	35	17	51	68.6	64.7	66.7	28.6	52.9	39.2
Nigeria.....	5	S	S	100.0	S	S	40.0	S	S
South Africa.....	9	15	8	66.7	86.7	62.5	44.4	53.3	62.5
Other.....	61	59	65	62.3	76.3	76.9	24.6	44.1	60.0
Europe.....	810	955	1,018	69.8	75.3	74.7	47.0	57.1	57.1
Greece.....	114	49	64	63.2	69.4	65.6	41.2	49.0	51.6
United Kingdom.....	37	53	49	75.7	77.4	69.4	48.6	66.0	57.1
Germany.....	104	107	110	64.4	62.6	64.5	43.3	48.6	50.9
Italy.....	67	51	54	40.3	64.7	64.8	25.4	54.9	53.7
France.....	23	24	35	65.2	75.0	71.4	39.1	37.5	57.1
Spain.....	20	28	19	55.0	46.4	52.6	45.0	39.3	42.1
Other.....	445	643	687	77.5	79.8	79.0	53.0	60.0	59.2
North/South America.....	294	334	394	51.0	54.2	58.1	31.0	39.5	43.7
Canada.....	82	99	127	68.3	65.7	63.8	47.6	49.5	51.2
Mexico.....	52	61	61	36.5	39.3	45.9	17.3	29.5	29.5
Argentina.....	18	20	30	61.1	75.0	83.3	27.8	60.0	73.3
Brazil.....	61	59	73	34.4	44.1	49.3	19.7	28.8	38.4
Chile.....	11	10	12	36.4	40.0	58.3	9.1	30.0	33.3
Colombia.....	24	20	24	50.0	50.0	50.0	33.3	40.0	25.0
Peru.....	6	S	9	66.7	S	66.7	33.3	S	55.6
Other.....	40	63	58	57.5	55.6	58.6	37.5	38.1	41.4
Country unknown.....	28	32	42	78.6	40.6	54.8	42.9	21.9	16.7
Social/behavioral sciences									
All non-U.S. citizens.....	5,632	5,150	5,676	53.0	55.0	57.6	27.8	37.4	40.5
East/South Asia.....	2,772	2,219	2,230	52.1	54.3	57.8	25.6	35.9	38.9
China ^a	701	577	584	86.2	79.5	78.8	42.4	56.7	56.8
Taiwan.....	430	328	238	30.9	34.5	42.9	8.6	17.7	24.8
Japan.....	226	231	257	41.6	46.8	47.9	26.5	27.3	35.0
South Korea.....	788	559	612	26.3	34.9	44.3	10.4	20.2	27.5
India.....	458	377	330	77.7	78.2	80.3	46.7	57.0	53.9
Other.....	169	147	209	29.6	24.5	32.5	11.8	14.3	19.6

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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: 1994–2005

Field/place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05
West Asia	554	435	587	47.1	50.6	53.2	22.6	35.2	35.3
Iran	50	24	16	84.0	70.8	87.5	32.0	29.2	50.0
Israel.....	100	60	106	56.0	46.7	69.8	30.0	38.3	51.9
Turkey.....	99	131	254	38.4	50.4	44.9	24.2	39.7	30.3
Other	305	220	211	41.0	49.5	52.1	18.0	32.3	31.8
Pacific/Australasia.....	229	165	135	40.2	43.6	51.1	19.7	31.5	34.8
Australia	56	61	51	46.4	54.1	62.7	35.7	37.7	45.1
Indonesia.....	75	41	45	16.0	14.6	31.1	2.7	4.9	15.6
New Zealand.....	26	21	12	57.7	52.4	58.3	42.3	47.6	33.3
Other	72	42	27	54.2	52.4	59.3	16.7	40.5	48.1
Africa	363	278	243	56.2	63.3	56.8	17.1	28.4	32.9
Egypt	30	19	37	46.7	31.6	35.1	20.0	21.1	29.7
Nigeria.....	66	35	12	81.8	74.3	66.7	10.6	37.1	41.7
South Africa	39	36	36	41.0	58.3	38.9	25.6	27.8	27.8
Other	228	188	158	52.6	65.4	65.2	17.1	27.7	34.2
Europe	841	1037	1,245	62.9	63.9	67.5	41.0	48.7	53.0
Greece.....	76	59	37	61.8	64.4	67.6	36.8	44.1	45.9
United Kingdom.....	150	127	133	74.0	74.8	77.4	50.7	52.8	60.2
Germany.....	142	142	162	67.6	69.7	67.3	49.3	52.1	55.6
Italy.....	103	117	133	51.5	59.0	62.4	32.0	50.4	54.9
France	39	68	63	51.3	70.6	61.9	20.5	51.5	46.0
Spain	44	70	82	54.5	45.7	53.7	45.5	34.3	45.1
Other	287	454	635	62.0	62.1	68.8	38.3	48.5	52.6
North/South America	830	978	1,162	51.2	48.9	50.9	32.3	34.3	36.7
Canada	326	349	437	58.9	59.3	58.8	39.3	43.6	43.2
Mexico.....	106	145	160	33.0	36.6	33.1	17.9	23.4	24.4
Argentina.....	51	70	107	54.9	45.7	64.5	31.4	34.3	53.3
Brazil	80	114	114	36.3	37.7	37.7	26.3	27.2	29.8
Chile	32	34	64	31.3	41.2	26.6	18.8	29.4	18.8
Colombia.....	40	27	58	37.5	37.0	41.4	17.5	25.9	25.9
Peru.....	41	36	33	63.4	50.0	63.6	41.5	38.9	36.4
Other	154	203	189	58.4	49.8	57.1	35.1	31.0	36.0
Country unknown.....	43	38	74	74.4	47.4	39.2	20.9	18.4	16.2
Engineering									
All non-U.S. citizens.....	13,676	11,539	13,686	71.9	74.9	75.7	36.1	50.7	46.2
East/South Asia	9,532	7,484	9,338	74.8	79.9	79.4	37.5	54.2	48.1
China ^a	3,018	2,962	4,531	97.0	92.2	91.7	45.6	61.8	55.8
Taiwan.....	2,339	1,225	718	55.8	68.3	68.1	24.3	39.5	35.9
Japan.....	145	98	130	26.9	38.8	58.5	13.8	26.5	38.5
South Korea	1,419	1,189	1,780	42.8	63.9	65.7	17.6	39.9	34.2
India	2,312	1,637	1,456	92.8	90.0	88.5	56.8	70.4	62.8
Other	299	373	723	35.8	36.7	31.7	14.4	22.8	18.5
West Asia	1,545	1,294	1,473	68.2	66.5	65.3	29.3	42.3	41.8
Iran	308	186	186	84.7	89.2	90.9	33.1	56.5	57.0
Israel.....	60	25	30	45.0	56.0	90.0	25.0	20.0	66.7
Turkey.....	311	461	613	67.5	64.6	65.9	32.8	43.0	44.4
Other	866	622	644	64.1	61.6	56.2	27.0	38.6	33.7
Pacific/Australasia.....	180	159	174	51.7	62.3	69.0	26.1	45.9	39.7
Australia	32	27	20	59.4	70.4	75.0	37.5	48.1	55.0
Indonesia.....	95	92	115	37.9	54.3	66.1	13.7	40.2	34.8
New Zealand.....	12	10	17	66.7	90.0	64.7	33.3	70.0	47.1
Other	41	30	22	73.2	70.0	81.8	43.9	53.3	45.5
Africa	545	428	426	64.4	65.2	68.3	28.4	39.7	40.1
Egypt	220	222	238	54.5	55.4	66.0	24.5	34.7	42.0
Nigeria.....	39	23	20	94.9	91.3	90.0	43.6	34.8	40.0
South Africa	38	32	31	52.6	68.8	64.5	39.5	46.9	51.6
Other	248	151	137	70.2	74.8	70.1	27.8	46.4	34.3
Europe	1,045	1,213	1,235	70.4	73.8	75.5	43.4	51.4	48.5
Greece.....	200	148	118	67.5	73.6	72.0	41.5	54.7	44.9

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: 1994–2005

Field/place of origin	Foreign S&E doctorate recipients			Plans to stay (%)			Definite plans to stay (%)		
	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05	1994–97	1998–2001	2002–05
United Kingdom.....	57	48	54	87.7	83.3	75.9	56.1	56.3	48.1
Germany.....	110	161	133	68.2	55.9	62.4	40.0	42.2	42.9
Italy.....	39	74	100	51.3	60.8	74.0	17.9	39.2	51.0
France.....	94	93	106	56.4	69.9	61.3	29.8	52.7	36.8
Spain.....	33	44	56	63.6	65.9	58.9	33.3	45.5	39.3
Other.....	512	645	668	74.6	80.2	82.5	48.6	54.1	52.5
North/South America.....	770	853	900	53.0	57.1	63.2	30.5	41.9	39.7
Canada.....	166	183	179	71.1	76.5	73.2	49.4	58.5	45.3
Mexico.....	118	181	221	44.1	45.3	54.3	23.7	35.4	33.9
Argentina.....	38	48	44	89.5	68.8	79.5	60.5	60.4	52.3
Brazil.....	206	168	122	30.6	34.5	52.5	14.6	22.6	32.0
Chile.....	25	24	37	24.0	45.8	27.0	16.0	41.7	21.6
Colombia.....	33	47	89	57.6	59.6	71.9	27.3	36.2	43.8
Peru.....	29	23	29	96.6	69.6	75.9	44.8	34.8	58.6
Other.....	155	179	179	56.8	66.5	68.7	29.7	46.9	41.9
Country unknown.....	59	108	140	94.9	38.9	54.3	32.2	21.3	12.9

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 (2006).