

Table 2-8

Research doctorate recipients with temporary visas intending to stay in the United States after doctorate receipt, by country or economy of citizenship: 2016–22

(Number and percent)

Country or economy of citizenship	2016		2017		2018		2019		2020		2021		2022	
	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
All temporary visa holders reporting intention to stay	16,477	72.5	16,288	74.3	17,582	72.0	18,324	71.2	18,473	73.0	17,771	70.8	19,633	74.3
Africa	653	70.8	700	70.9	745	70.6	743	72.0	788	72.6	763	73.7	911	78.4
Nigeria	112	83.9	113	77.9	147	75.5	145	81.4	161	79.5	193	78.2	295	83.1
Egypt	117	66.7	156	69.9	156	73.7	163	74.8	127	81.1	134	79.9	143	81.8
Ghana	87	70.1	85	71.8	103	66.0	88	72.7	106	73.6	88	79.5	125	78.4
Libya	67	65.7	48	75.0	56	76.8	61	68.9	61	77.0	57	78.9	40	77.5
Kenya	60	66.7	57	63.2	50	68.0	38	78.9	57	70.2	53	58.5	43	79.1
Ethiopia	42	85.7	31	83.9	31	D	35	71.4	28	82.1	30	76.7	43	D
South Africa	20	60.0	20	45.0	26	53.8	29	51.7	24	54.2	23	60.9	26	38.5
Uganda	16	56.3	19	47.4	20	50.0	20	45.0	30	53.3	28	42.9	29	72.4
Zimbabwe	15	D	24	D	18	66.7	16	D	22	D	18	D	23	73.9
Cameroon	17	D	23	D	17	70.6	18	D	14	D	11	D	11	90.9
Tunisia	11	72.7	14	D	8	D	14	D	15	D	14	D	17	94.1
Tanzania	6	D	17	29.4	9	D	7	D	10	D	12	D	8	D
Other	83	59.0	93	67.7	104	66.3	109	60.6	133	59.4	102	67.6	108	69.4
Americas	1,503	57.5	1,445	56.5	1,474	60.0	1,534	60.8	1,663	60.3	1,499	64.2	1,704	68.1
Canada	408	56.6	409	59.2	431	62.2	427	62.3	398	57.8	369	54.5	474	59.1
Brazil	156	56.4	168	61.3	178	61.2	253	63.6	318	60.7	274	72.3	283	73.5
Mexico	221	61.1	180	69.4	185	71.4	187	64.2	236	64.0	218	71.6	226	76.1
Colombia	187	61.5	190	48.4	205	52.7	202	58.9	191	60.2	191	66.5	224	66.5
Chile	130	32.3	128	25.8	91	39.6	100	35.0	106	43.4	85	54.1	92	64.1
Argentina	65	61.5	52	69.2	60	66.7	52	61.5	64	68.8	46	63.0	42	71.4
Peru	56	69.6	50	70.0	46	50.0	51	76.5	55	72.7	48	72.9	63	76.2
Ecuador	42	40.5	49	36.7	44	38.6	50	42.0	49	63.3	54	59.3	45	77.8
Jamaica	34	76.5	29	69.0	44	54.5	32	68.8	30	80.0	30	60.0	28	67.9
Costa Rica	33	42.4	24	45.8	28	50.0	26	38.5	31	41.9	35	51.4	41	63.4
Venezuela	27	D	31	67.7	26	76.9	28	82.1	32	D	30	D	43	D
Uruguay	13	D	7	D	15	D	18	55.6	15	46.7	16	50.0	18	50.0
Honduras	15	D	12	58.3	14	D	13	D	10	D	12	100.0	19	D
Guatemala	12	D	12	41.7	12	D	11	D	17	70.6	13	46.2	14	D
Dominican Republic	13	D	8	D	10	50.0	6	D	18	33.3	8	D	18	D
Other	91	D	96	63.5	85	74.1	78	66.7	93	D	70	67.1	74	66.2
Asia	11,016	78.1	10,640	80.0	11,323	77.5	11,622	77.2	11,813	79.0	11,640	75.0	12,856	78.3
China ^a	5,527	81.0	5,553	83.3	6,188	79.4	6,316	79.2	6,335	80.1	6,200	73.9	6,664	76.7
India	2,195	87.2	1,970	88.5	2,045	87.1	2,056	85.9	2,250	88.0	2,300	85.8	2,671	88.2

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	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
South Korea	1,229	66.7	1,128	68.5	1,039	63.6	1,168	65.3	1,055	66.9	1,036	63.8	1,076	65.1
Taiwan	592	77.9	520	76.7	514	78.0	492	73.4	468	76.9	410	73.9	416	80.3
Bangladesh	185	90.3	236	88.1	280	88.2	292	86.0	392	86.0	397	88.4	551	88.6
Nepal	222	88.7	221	91.9	225	88.9	241	89.6	226	94.7	252	92.9	313	92.0
Sri Lanka	132	78.0	146	81.5	150	85.3	151	83.4	174	85.1	181	76.8	208	81.7
Vietnam	124	71.8	133	75.9	122	80.3	168	76.2	166	74.1	152	79.6	207	86.5
Thailand	185	30.3	171	25.7	177	31.1	159	30.2	127	30.7	125	D	112	48.2
Pakistan	102	45.1	113	54.0	110	59.1	112	64.3	157	70.7	135	63.7	166	68.7
Japan	166	53.6	117	58.1	118	50.0	128	51.6	114	50.0	123	49.6	121	52.1
Singapore	91	38.5	101	41.6	81	25.9	100	38.0	107	49.5	72	37.5	77	50.6
Indonesia	92	43.5	69	50.7	81	34.6	79	43.0	77	44.2	78	47.4	76	38.2
Malaysia	72	55.6	65	47.7	83	59.0	71	50.7	59	52.5	61	70.5	71	77.5
Philippines	51	76.5	47	70.2	57	73.7	38	65.8	45	64.4	58	51.7	55	D
Kazakhstan	12	D	6	D	8	D	11	D	17	70.6	18	72.2	16	68.8
Burma	8	D	6	D	6	D	9	D	9	D	7	D	6	D
Other	31	58.1	38	57.9	39	69.2	31	71.0	35	60.0	35	68.6	50	80.0
Australia-Oceania	65	61.5	79	62.0	66	57.6	81	71.6	80	63.8	69	63.8	76	55.3
Australia	42	66.7	47	72.3	37	64.9	53	73.6	51	66.7	39	64.1	50	54.0
New Zealand	23	52.2	D	D	23	56.5	D	D	D	D	30	63.3	D	D
Other	0	0.0	D	D	6	16.7	D	D	D	D	0	0.0	D	D
Europe	1,776	62.7	1,785	67.4	1,807	63.3	1,757	64.4	1,711	67.2	1,682	63.7	1,747	68.7
Turkey	472	57.6	496	61.1	454	59.7	406	64.5	371	70.1	330	63.0	354	69.5
Italy	167	65.9	161	70.8	139	72.7	174	63.8	170	64.1	145	57.2	193	70.5
Germany	183	61.2	154	68.2	144	54.2	152	57.9	151	54.3	187	58.3	160	65.0
United Kingdom	115	54.8	103	60.2	110	60.0	128	62.5	119	66.4	152	59.2	138	63.8
Russia	108	69.4	112	81.3	154	73.4	111	73.0	120	82.5	112	66.1	106	72.6
France	105	66.7	107	69.2	133	64.7	118	67.8	118	66.9	106	67.0	133	65.4
Spain	73	61.6	100	74.0	104	61.5	130	57.7	122	62.3	129	71.3	146	67.8
Greece	84	71.4	89	73.0	114	78.1	90	73.3	89	77.5	112	75.0	115	75.7
Romania	51	88.2	43	81.4	47	61.7	48	D	25	D	27	77.8	22	D
Netherlands	40	50.0	27	55.6	30	66.7	38	55.3	39	59.0	40	42.5	32	68.8
Ukraine	31	71.0	37	83.8	35	74.3	43	81.4	43	83.7	32	75.0	23	D
Poland	27	70.4	30	66.7	33	60.6	34	70.6	34	61.8	34	73.5	33	75.8
Switzerland	18	44.4	32	65.6	42	38.1	21	38.1	22	63.6	28	64.3	21	33.3
Portugal	33	39.4	32	56.3	25	52.0	24	62.5	20	55.0	17	58.8	24	50.0

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	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
Bulgaria	44	88.6	30	D	23	78.3	21	D	15	D	16	D	14	D
Serbia	25	80.0	20	70.0	16	D	21	71.4	24	D	21	D	22	77.3
Austria	21	71.4	17	D	14	50.0	17	52.9	22	54.5	20	50.0	15	66.7
Hungary	20	45.0	20	D	20	40.0	17	D	24	66.7	15	60.0	10	D
Ireland	21	61.9	13	61.5	20	55.0	24	45.8	17	D	7	D	20	75.0
Belgium	15	40.0	16	31.3	18	55.6	13	53.8	16	50.0	16	D	16	62.5
Sweden	19	63.2	14	64.3	14	64.3	12	D	15	46.7	7	D	16	62.5
Cyprus	14	64.3	16	68.8	11	45.5	9	D	11	D	10	D	9	D
Croatia	13	46.2	17	76.5	10	D	6	D	7	D	8	D	14	57.1
Albania	10	D	8	75.0	9	88.9	14	D	12	D	9	D	7	D
Finland	12	50.0	11	54.5	6	D	7	D	10	50.0	7	D	8	D
Other	55	D	80	D	82	62.2	79	64.6	95	56.8	95	58.9	96	68.8
Middle East	1,309	63.9	1,500	62.1	1,749	62.3	2,079	56.6	2,102	58.0	1,749	57.9	1,813	61.9
Iran	695	91.1	767	92.6	935	91.4	964	91.5	963	92.2	815	91.2	859	91.7
Saudi Arabia	238	10.1	339	10.3	403	14.9	554	12.8	614	14.3	485	10.1	493	11.6
Iraq	28	25.0	50	36.0	122	27.0	202	19.8	192	35.4	152	44.7	110	60.0
Jordan	98	44.9	114	44.7	77	57.1	89	56.2	114	51.8	83	57.8	93	72.0
Israel	83	51.8	77	49.4	64	50.0	80	53.8	69	50.7	65	55.4	71	50.7
Lebanon	57	70.2	52	78.8	51	76.5	53	79.2	39	84.6	42	D	65	83.1
Kuwait	42	D	38	D	46	D	68	7.4	45	11.1	46	10.9	45	11.1
Oman	6	D	10	D	13	D	7	D	8	D	10	D	12	D
Syria	12	D	9	D	7	D	12	D	10	D	6	D	6	D
Other	50	58.0	44	61.4	31	54.8	50	62.0	48	64.6	45	66.7	59	74.6
Country or economy unknown	155	12.9	139	62.6	418	45.5	508	49.4	316	48.4	369	54.7	526	52.1

D = suppressed to avoid disclosure of confidential information.

^a Includes Hong Kong.**Note(s):**

Percentages based on all doctorate recipients on temporary visas who indicated where they intended to stay after graduation (United States vs. foreign location) and not just those with definite commitments for employment or postdoctoral study.

Source(s):

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