

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: 2015–21

(Number and percent)

Country or economy of citizenship	2015		2016		2017		2018		2019		2020		2021	
	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
All temporary visa holders reporting intention to stay	16,129	71.3	16,477	72.5	16,288	74.3	17,582	72.0	18,324	71.2	18,476	73.0	17,638	71.3
Africa	649	66.4	653	70.8	700	70.9	745	70.6	743	72.0	788	72.6	758	74.0
Egypt	129	62.8	117	66.7	156	69.9	156	73.7	163	74.8	127	81.1	133	80.5
Nigeria	83	75.9	112	83.9	113	77.9	147	75.5	145	81.4	161	79.5	193	78.2
Ghana	83	65.1	87	70.1	85	71.8	103	66.0	88	72.7	106	73.6	88	79.5
Libya	60	71.7	67	65.7	48	75.0	56	76.8	61	68.9	61	77.0	56	78.6
Kenya	57	68.4	60	66.7	57	63.2	50	68.0	38	78.9	57	70.2	53	58.5
Ethiopia	28	75.0	42	85.7	31	83.9	31	D	35	71.4	28	82.1	30	76.7
South Africa	25	52.0	20	60.0	20	45.0	26	53.8	29	51.7	24	54.2	23	60.9
Uganda	23	60.9	16	56.3	19	47.4	20	50.0	20	45.0	30	53.3	28	42.9
Zimbabwe	22	77.3	15	D	24	D	18	66.7	16	D	22	D	18	D
Cameroon	20	D	17	D	23	D	17	70.6	18	D	14	D	11	D
Tunisia	10	D	11	72.7	14	D	8	D	14	D	15	D	13	D
Tanzania	15	40.0	6	D	17	29.4	9	D	7	D	10	D	12	D
Other	94	59.6	83	59.0	93	67.7	104	66.3	109	60.6	133	59.4	100	69.0
Americas	1,480	55.7	1,503	57.5	1,445	56.5	1,474	60.0	1,534	60.8	1,663	60.3	1,492	64.5
Canada	454	56.6	408	56.6	409	59.2	431	62.2	427	62.3	398	57.8	367	54.8
Brazil	149	50.3	156	56.4	168	61.3	178	61.2	253	63.6	318	60.7	273	72.5
Mexico	194	53.1	221	61.1	180	69.4	185	71.4	187	64.2	236	64.0	214	72.0
Colombia	183	68.3	187	61.5	190	48.4	205	52.7	202	58.9	191	60.2	190	66.8
Chile	103	32.0	130	32.3	128	25.8	91	39.6	100	35.0	106	43.4	85	54.1
Argentina	64	53.1	65	61.5	52	69.2	60	66.7	52	61.5	64	68.8	46	63.0
Peru	53	66.0	56	69.6	50	70.0	46	50.0	51	76.5	55	72.7	48	72.9
Ecuador	42	38.1	42	40.5	49	36.7	44	38.6	50	42.0	49	63.3	54	59.3
Jamaica	36	69.4	34	76.5	29	69.0	44	54.5	32	68.8	30	80.0	30	60.0
Costa Rica	31	38.7	33	42.4	24	45.8	28	50.0	26	38.5	31	41.9	35	51.4
Venezuela	29	75.9	27	D	31	67.7	26	76.9	28	82.1	32	D	30	D
Uruguay	19	68.4	13	D	7	D	15	D	18	55.6	15	46.7	16	50.0
Guatemala	17	52.9	12	D	12	41.7	12	D	11	D	17	70.6	13	46.2
Honduras	11	D	15	D	12	58.3	14	D	13	D	10	D	13	100.0
Dominican Republic	10	D	13	D	8	D	10	50.0	6	D	18	33.3	8	D
Other	85	60.0	91	D	96	63.5	85	74.1	78	66.7	93	D	70	67.1
Asia	10,885	76.0	11,016	78.1	10,640	80.0	11,323	77.5	11,622	77.2	11,816	79.0	11,557	75.5
China ^a	5,374	81.1	5,527	81.0	5,553	83.3	6,188	79.4	6,316	79.2	6,336	80.1	6,148	74.4
India	2,229	84.6	2,195	87.2	1,970	88.5	2,045	87.1	2,056	85.9	2,250	88.0	2,291	86.1
South Korea	1,234	62.9	1,229	66.7	1,128	68.5	1,039	63.6	1,168	65.3	1,056	67.0	1,025	64.5
Taiwan	614	70.4	592	77.9	520	76.7	514	78.0	492	73.4	468	76.9	409	74.1
Bangladesh	154	87.7	185	90.3	236	88.1	280	88.2	292	86.0	392	86.0	397	88.2
Nepal	177	88.1	222	88.7	221	91.9	225	88.9	241	89.6	226	94.7	251	93.2
Thailand	220	21.4	185	30.3	171	25.7	177	31.1	159	30.2	127	30.7	124	D
Sri Lanka	133	76.7	132	78.0	146	81.5	150	85.3	151	83.4	174	85.1	180	76.7
Vietnam	134	74.6	124	71.8	133	75.9	122	80.3	168	76.2	167	73.7	150	80.7
Japan	164	39.6	166	53.6	117	58.1	118	50.0	128	51.6	114	50.0	122	50.0
Pakistan	124	54.0	102	45.1	113	54.0	110	59.1	112	64.3	157	70.7	135	64.4

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	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
Singapore	102	36.3	91	38.5	101	41.6	81	25.9	100	38.0	107	49.5	70	38.6
Indonesia	53	37.7	92	43.5	69	50.7	81	34.6	79	43.0	77	44.2	76	47.4
Malaysia	79	38.0	72	55.6	65	47.7	83	59.0	71	50.7	59	52.5	61	70.5
Philippines	40	75.0	51	76.5	47	70.2	57	73.7	38	65.8	45	64.4	58	51.7
Kazakhstan	11	D	12	D	6	D	8	D	11	D	17	70.6	18	72.2
Myanmar	6	D	8	D	6	D	6	D	9	D	9	D	7	D
Other	37	64.9	31	58.1	38	57.9	39	69.2	31	71.0	35	60.0	35	68.6
Australia-Oceania	83	55.4	65	61.5	79	62.0	66	57.6	81	71.6	80	63.8	69	63.8
Australia	52	48.1	42	66.7	47	72.3	37	64.9	53	73.6	51	66.7	39	64.1
New Zealand	26	65.4	23	52.2	D	D	23	56.5	D	D	D	D	30	63.3
Other	5	80.0	0	0.0	D	D	6	16.7	D	D	D	D	0	0.0
Europe	1,832	61.4	1,776	62.7	1,785	67.4	1,807	63.3	1,757	64.4	1,711	67.2	1,677	63.9
Turkey	469	59.7	472	57.6	496	61.1	454	59.7	406	64.5	371	70.1	330	63.0
Germany	195	51.3	183	61.2	154	68.2	144	54.2	152	57.9	151	54.3	187	58.3
Italy	126	65.1	167	65.9	161	70.8	139	72.7	174	63.8	170	64.1	145	57.2
Russian Federation	118	78.0	108	69.4	112	81.3	154	73.4	111	73.0	120	82.5	110	67.3
United Kingdom	100	55.0	115	54.8	103	60.2	110	60.0	128	62.5	119	66.4	153	58.8
France	131	58.8	105	66.7	107	69.2	133	64.7	118	67.8	118	66.9	105	67.6
Spain	98	60.2	73	61.6	100	74.0	104	61.5	130	57.7	122	62.3	128	71.9
Greece	84	71.4	84	71.4	89	73.0	114	78.1	90	73.3	89	77.5	112	75.0
Romania	57	82.5	51	88.2	43	81.4	47	61.7	48	D	25	D	27	77.8
Ukraine	42	85.7	31	71.0	37	83.8	35	74.3	43	81.4	43	83.7	32	75.0
Poland	48	70.8	27	70.4	30	66.7	33	60.6	34	70.6	34	61.8	34	73.5
Netherlands	23	56.5	40	50.0	27	55.6	30	66.7	38	55.3	39	59.0	39	43.6
Switzerland	23	65.2	18	44.4	32	65.6	42	38.1	21	38.1	22	63.6	27	66.7
Bulgaria	34	70.6	44	88.6	30	D	23	78.3	21	D	15	D	16	D
Portugal	24	45.8	33	39.4	32	56.3	25	52.0	24	62.5	20	55.0	17	58.8
Serbia	28	78.6	25	80.0	20	70.0	16	D	21	71.4	24	D	21	D
Hungary	23	56.5	20	45.0	20	D	20	40.0	17	D	24	66.7	15	60.0
Ireland	26	42.3	21	61.9	13	61.5	20	55.0	24	45.8	17	D	7	D
Austria	16	31.3	21	71.4	17	D	14	50.0	17	52.9	22	54.5	20	50.0
Belgium	17	41.2	15	40.0	16	31.3	18	55.6	13	53.8	16	50.0	16	D
Sweden	18	50.0	19	63.2	14	64.3	14	64.3	12	D	15	46.7	7	D
Cyprus	13	61.5	14	64.3	16	68.8	11	45.5	9	D	11	D	10	D
Croatia	12	50.0	13	46.2	17	76.5	10	D	6	D	7	D	8	D
Albania	7	D	10	D	8	75.0	9	88.9	14	D	12	D	9	D
Finland	10	50.0	12	50.0	11	54.5	6	D	7	D	10	50.0	7	D
Other	90	D	55	D	80	D	82	62.2	79	64.6	95	56.8	95	58.9
Middle East	1,131	66.9	1,309	63.9	1,500	62.1	1,749	62.3	2,079	56.6	2,102	58.0	1,732	58.1
Iran	629	89.7	695	91.1	767	92.6	935	91.4	964	91.5	963	92.2	809	91.5
Saudi Arabia	134	14.2	238	10.1	339	10.3	403	14.9	554	12.8	614	14.3	477	9.9
Iraq	15	53.3	28	25.0	50	36.0	122	27.0	202	19.8	192	35.4	151	44.4
Jordan	128	44.5	98	44.9	114	44.7	77	57.1	89	56.2	114	51.8	83	59.0
Israel	86	59.3	83	51.8	77	49.4	64	50.0	80	53.8	69	50.7	65	55.4
Lebanon	39	64.1	57	70.2	52	78.8	51	76.5	53	79.2	39	84.6	41	D

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Country or economy of citizenship	2015		2016		2017		2018		2019		2020		2021	
	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
Kuwait	29	D	42	D	38	D	46	D	68	7.4	45	11.1	46	10.9
Syria	6	D	12	D	9	D	7	D	12	D	10	D	6	D
Oman	7	D	6	D	10	D	13	D	7	D	8	D	10	D
Other	58	43.1	50	58.0	44	61.4	31	54.8	50	62.0	48	64.6	44	68.2
Country or economy unknown	69	47.8	155	12.9	139	62.6	418	45.5	508	49.4	316	48.4	353	56.7

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.