

TABLE 2-8
Intention to stay in the U.S. after doctorate receipt among research doctorate recipients with temporary visas, by region and country or economy of citizenship: 2017–23
(Number and percent)

Region and country or economy of citizenship	2017–23		2017		2018		2019		2020		2021		2022		2023	
	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
All temporary visa holders	127,448	73.2	16,288	74.3	17,582	72.0	18,324	71.2	18,473	73.0	17,768	70.8	19,620	74.3	19,393	76.2
Africa	5,510	75.3	700	70.9	745	70.6	743	72.0	788	72.6	763	73.7	909	78.5	862	86.4
Nigeria	1,318	82.1	113	77.9	147	75.5	145	81.4	161	79.5	193	78.2	294	83.0	265	91.3
Egypt	1,024	77.7	156	69.9	156	73.7	163	74.8	127	81.1	134	79.9	143	81.8	145	84.8
Ghana	719	76.9	85	71.8	103	66.0	88	72.7	106	73.6	88	79.5	125	79.2	124	91.1
Libya	347	75.8	48	75.0	56	76.8	61	68.9	61	77.0	57	78.9	40	77.5	24	D
Kenya	336	70.2	57	63.2	50	68.0	38	78.9	57	70.2	53	58.5	43	79.1	38	81.6
Ethiopia	247	D	31	83.9	31	D	35	71.4	28	82.1	30	76.7	43	D	49	87.8
Uganda	170	54.7	19	47.4	20	50.0	20	45.0	30	53.3	28	42.9	29	72.4	24	66.7
South Africa	169	52.1	20	45.0	26	53.8	29	51.7	24	54.2	23	60.9	26	38.5	21	61.9
Zimbabwe	135	D	24	D	18	66.7	16	D	22	D	18	D	23	73.9	14	D
Cameroon	119	D	23	D	17	70.6	18	D	14	D	11	D	11	90.9	25	D
Tunisia	97	D	14	D	8	D	14	D	15	D	14	D	16	D	16	D
Rwanda	89	D	6	D	10	D	11	D	28	60.7	12	D	13	61.5	9	D
Tanzania	75	D	17	29.4	9	D	7	D	10	D	12	D	8	D	12	D
Other	665	66.8	87	65.5	94	67.0	98	57.1	105	59.0	90	67.8	95	70.5	96	81.3
Americas	11,066	63.1	1,444	56.5	1,474	60.0	1,536	60.7	1,669	60.1	1,512	64.3	1,714	68.0	1,717	70.2
Canada	2,913	59.7	409	59.2	431	62.2	427	62.3	398	57.8	369	54.5	474	59.1	405	62.5
Brazil	1,770	67.1	168	61.3	178	61.2	253	63.6	318	60.7	273	72.2	282	73.4	298	72.8
Mexico	1,467	71.0	180	69.4	185	71.4	187	64.2	236	64.0	218	71.6	226	76.1	235	79.1
Colombia	1,430	61.2	190	48.4	205	52.7	202	58.9	191	60.2	191	66.5	224	66.5	227	72.7
Chile	713	44.9	128	25.8	91	39.6	100	35.0	106	43.4	85	54.1	92	64.1	111	58.6
Argentina	384	66.4	52	69.2	60	66.7	52	61.5	64	68.8	46	63.0	42	71.4	68	64.7
Peru	379	70.7	50	70.0	46	50.0	51	76.5	55	72.7	48	72.9	63	76.2	66	72.7
Ecuador	345	55.9	49	36.7	44	38.6	50	42.0	49	63.3	54	59.3	44	77.3	55	72.7
Venezuela	221	D	31	67.7	26	76.9	28	82.1	32	D	30	D	43	D	31	D
Costa Rica	219	52.1	24	45.8	28	50.0	26	38.5	31	41.9	35	51.4	41	63.4	34	64.7
Jamaica	219	67.6	29	69.0	44	54.5	32	68.8	30	80.0	30	60.0	28	67.9	26	80.8
Trinidad and Tobago	123	D	17	64.7	21	D	15	66.7	26	57.7	16	68.8	12	58.3	16	62.5
Honduras	104	D	12	58.3	14	D	13	D	10	D	12	D	19	D	24	D
Uruguay	100	D	7	D	15	D	18	55.6	15	46.7	16	50.0	18	50.0	11	54.5
Guatemala	92	D	12	41.7	12	D	11	D	17	70.6	13	46.2	14	D	13	D
Dominican Republic	82	D	8	D	10	50.0	6	D	18	33.3	8	D	18	D	14	64.3
El Salvador	60	D	8	D	12	D	6	D	9	D	9	D	7	D	9	D
Bolivia	58	D	12	58.3	5	D	8	D	8	D	11	D	5	D	9	D

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	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
Other	387	D	58	60.3	47	66.0	51	66.7	56	D	48	62.5	62	64.5	65	69.2
Asia	82,895	78.2	10,640	80.0	11,323	77.5	11,622	77.2	11,813	79.0	11,638	75.0	12,854	78.3	13,005	79.9
China ^a	43,902	78.5	5,552	83.3	6,188	79.4	6,316	79.2	6,335	80.1	6,198	73.8	6,661	76.7	6,652	77.5
India	16,057	87.6	1,970	88.5	2,045	87.1	2,056	85.9	2,250	88.0	2,300	85.8	2,674	88.2	2,762	89.0
South Korea	7,611	66.4	1,129	68.5	1,039	63.6	1,168	65.3	1,055	66.9	1,036	63.8	1,075	65.1	1,109	71.1
Taiwan	3,282	77.0	520	76.7	514	78.0	492	73.4	468	76.9	410	73.9	416	80.5	462	79.7
Bangladesh	2,700	88.4	236	88.1	280	88.2	292	86.0	392	86.0	397	88.4	551	88.7	552	91.5
Nepal	1,804	92.1	221	91.9	225	88.9	241	89.6	226	94.7	252	92.9	313	92.0	326	94.2
Sri Lanka	1,238	84.0	146	81.5	150	85.3	151	83.4	174	85.1	181	76.8	207	81.6	229	92.1
Vietnam	1,136	79.7	133	75.9	122	80.3	168	76.2	166	74.1	152	79.6	207	86.5	188	82.4
Thailand	985	D	171	25.7	177	31.1	159	30.2	127	30.7	125	D	112	48.2	114	35.1
Pakistan	972	65.3	113	54.0	110	59.1	112	64.3	157	70.7	135	63.7	167	68.9	178	70.2
Japan	836	51.7	117	58.1	118	50.0	128	51.6	114	50.0	123	49.6	121	52.1	115	50.4
Singapore	607	42.2	101	41.6	81	25.9	100	38.0	107	49.5	72	37.5	77	50.6	69	52.2
Indonesia	533	43.0	69	50.7	81	34.6	79	43.0	77	44.2	78	47.4	76	38.2	73	D
Malaysia	470	63.0	65	47.7	83	59.0	71	50.7	59	52.5	61	70.5	70	78.6	61	83.6
Philippines	344	D	47	70.2	57	73.7	38	65.8	45	64.4	58	51.7	55	D	44	75.0
Kazakhstan	108	D	6	D	8	D	11	D	17	70.6	18	72.2	16	68.8	32	78.1
Burma	55	D	6	D	6	D	9	D	9	D	7	D	6	D	12	D
Other	255	71.4	38	57.9	39	69.2	31	71.0	35	60.0	35	68.6	50	80.0	27	D
Australia-Oceania	515	62.9	79	62.0	66	57.6	81	71.6	80	63.8	69	63.8	76	55.3	64	65.6
Australia	324	66.4	47	72.3	37	64.9	53	73.6	51	66.7	39	64.1	50	54.0	47	68.1
New Zealand	D	D	D	D	23	56.5	D	D	D	D	30	63.3	D	D	17	58.8
Other	D	D	D	D	6	16.7	D	D	D	D	0	0.0	D	D	0	0.0
Europe	12,196	66.0	1,785	67.4	1,807	63.3	1,755	64.4	1,705	67.4	1,668	63.7	1,734	68.9	1,742	67.2
Turkey	2,779	65.5	496	61.1	454	59.7	406	64.5	371	70.1	330	63.0	354	69.8	368	72.8
Italy	1,167	65.6	161	70.8	139	72.7	174	63.8	170	64.1	145	57.2	193	70.5	185	60.0
Germany	1,110	60.3	154	68.2	144	54.2	152	57.9	151	54.3	187	58.3	160	65.0	162	63.6
United Kingdom	874	62.6	103	60.2	110	60.0	128	62.5	119	66.4	152	59.2	138	63.8	124	66.1
Spain	835	65.6	100	74.0	104	61.5	128	57.8	116	64.7	115	71.3	134	68.7	138	63.0
France	827	66.5	107	69.2	133	64.7	118	67.8	118	66.9	106	67.0	133	65.4	112	65.2
Russia	826	74.8	112	81.3	154	73.4	111	73.0	120	82.5	112	66.1	105	72.4	112	75.0
Greece	731	76.1	89	73.0	114	78.1	90	73.3	89	77.5	112	75.0	115	75.7	122	78.7
Ukraine	251	D	37	83.8	35	74.3	43	81.4	43	83.7	32	75.0	23	D	38	73.7
Poland	242	66.1	30	66.7	33	60.6	34	70.6	34	61.8	34	73.5	33	75.8	44	56.8

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	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
Netherlands	241	58.5	27	55.6	30	66.7	38	55.3	39	59.0	40	42.5	32	68.8	35	65.7
Romania	235	D	43	81.4	47	61.7	48	D	25	D	27	77.8	22	D	23	69.6
Switzerland	180	50.0	32	65.6	42	38.1	21	38.1	22	63.6	28	64.3	21	33.3	14	42.9
Portugal	162	57.4	32	56.3	25	52.0	24	62.5	20	55.0	17	58.8	24	50.0	20	70.0
Serbia	152	D	20	70.0	16	D	21	71.4	24	D	21	D	22	77.3	28	D
Bulgaria	132	D	30	D	23	78.3	21	D	15	D	16	D	14	D	13	38.5
Austria	126	D	17	D	14	50.0	17	52.9	22	54.5	20	50.0	15	66.7	21	61.9
Hungary	125	D	20	D	20	40.0	17	D	24	66.7	15	60.0	10	D	19	52.6
Ireland	121	D	13	61.5	20	55.0	24	45.8	17	D	7	D	20	75.0	20	55.0
Belgium	113	D	16	31.3	18	55.6	13	53.8	16	50.0	16	D	16	62.5	18	50.0
Sweden	93	D	14	64.3	14	64.3	12	D	15	46.7	7	D	16	62.5	15	D
Czechia	82	D	8	D	13	D	17	64.7	11	D	15	60.0	10	D	8	D
Cyprus	76	D	16	68.8	11	45.5	9	D	11	D	10	D	9	D	10	50.0
Croatia	70	D	17	76.5	10	D	6	D	7	D	8	D	14	57.1	8	D
Albania	68	D	8	75.0	9	88.9	14	D	12	D	9	D	7	D	9	D
Denmark	66	D	6	D	7	D	8	D	8	D	14	35.7	15	D	8	D
Finland	62	D	11	54.5	6	D	7	D	10	50.0	7	D	8	D	13	D
Norway	62	D	8	D	8	D	12	D	10	D	8	D	10	D	6	D
Iceland	54	D	8	D	5	D	7	D	10	D	10	D	6	D	8	D
Other	334	D	50	D	49	65.3	35	71.4	56	57.1	48	68.8	55	74.5	41	68.3
Middle East	12,510	59.8	1,501	62.1	1,749	62.3	2,079	56.6	2,102	58.0	1,749	57.9	1,812	62.0	1,518	61.5
Iran	5,951	91.9	767	92.6	935	91.4	964	91.5	963	92.2	815	91.2	859	91.7	648	93.2
Saudi Arabia	3,370	13.1	339	10.3	403	14.9	554	12.8	614	14.3	485	10.1	492	11.6	483	16.6
Iraq	870	37.1	50	36.0	122	27.0	202	19.8	192	35.4	152	44.7	110	60.0	42	71.4
Jordan	646	58.2	115	44.3	77	57.1	89	56.2	114	51.8	83	57.8	93	72.0	75	76.0
Israel	497	51.3	77	49.4	64	50.0	80	53.8	69	50.7	65	55.4	71	50.7	71	49.3
Lebanon	373	D	52	78.8	51	76.5	53	79.2	39	84.6	42	D	65	83.1	71	90.1
Kuwait	319	D	38	D	46	D	68	7.4	45	11.1	46	10.9	45	11.1	31	D
Oman	72	D	10	D	13	D	7	D	8	D	10	D	12	D	12	D
Armenia	63	D	7	D	5	D	10	D	10	D	8	D	13	D	10	D
United Arab Emirates	62	D	7	D	9	D	13	D	10	D	5	D	6	D	12	D
Syria	59	D	9	D	7	D	12	D	10	D	6	D	6	D	9	D
Other	228	75.4	30	73.3	17	82.4	27	77.8	28	78.6	32	68.8	40	85.0	54	68.5
Region and country or economy unknown	2,756	52.7	139	62.6	418	45.5	508	49.4	316	48.4	369	54.7	521	52.6	485	61.0

D = suppressed to avoid disclosure of confidential information.

^a China includes Hong Kong.

Note(s):
Countries or economies with five or more doctoral recipients in every year on the table are listed separately; countries under each region are ordered based on the total number of doctorate recipients in the years shown. Percentages are based on the number of doctorate recipients on temporary visas 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.