

Table 7-10

Research doctorate recipients, by state or location of doctorate institution and broad field of doctorate: 2022

(Number)

State or location	All fields	Science and engineering													Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering	
United States ^a	57,596	45,924	1,305	9,386	2,188	10,763	1,165	2,808	2,144	1,788	5,428	3,900	5,049	11,672	1,401	3,919	3,369	842	2,141	
Alabama	705	524	20	99	22	146	13	40	24	14	57	60	29	181	33	100	11	4	33	
Alaska	35	34	6	10	0	3	5	0	1	0	3	3	3	1	0	0	0	0	1	
Arizona	940	739	27	98	29	212	33	39	22	44	72	49	114	201	32	61	39	32	37	
Arkansas	304	225	21	41	16	55	8	17	6	8	23	12	18	79	7	34	13	0	25	
California	6,817	5,768	76	1,248	311	1,233	186	185	278	255	750	543	703	1,049	113	235	393	135	173	
Colorado	1,214	994	32	175	41	300	55	32	63	13	135	77	71	220	14	116	34	20	36	
Connecticut	730	581	11	161	8	85	14	38	26	14	93	39	92	149	17	9	67	24	32	
Delaware	240	218	4	27	9	74	8	7	11	5	31	15	27	22	2	2	7	4	7	
District of Columbia	530	366	0	64	15	54	1	17	17	11	36	49	102	164	13	45	79	1	26	
Florida	2,455	1,889	93	316	108	453	63	149	72	81	221	177	156	566	69	220	93	61	123	
Georgia	1,600	1,295	34	303	61	363	15	66	50	53	143	82	125	305	47	106	79	9	64	
Hawaii	161	115	1	27	4	5	18	9	3	4	9	8	27	46	3	22	11	7	3	
Idaho	136	112	11	23	11	35	6	2	1	2	8	7	4	24	0	18	4	0	2	
Illinois	2,621	2,053	41	358	118	457	30	97	104	61	301	202	284	568	75	135	224	49	85	
Indiana	1,616	1,289	32	186	76	412	12	54	78	61	165	81	132	327	34	122	114	12	45	
Iowa	701	577	28	129	13	145	5	41	50	14	77	34	41	124	31	48	24	5	16	
Kansas	484	369	25	76	12	57	3	27	25	10	46	45	43	115	5	49	18	8	35	
Kentucky	511	355	10	83	13	58	1	42	18	13	42	32	43	156	8	46	65	9	28	
Louisiana	628	471	31	98	20	85	10	41	23	7	46	37	73	157	34	41	50	10	22	
Maine	73	62	8	17	1	12	5	1	0	4	8	2	4	11	0	8	1	0	2	
Maryland	1,360	1,203	21	287	100	283	37	115	54	32	120	50	104	157	19	40	41	16	41	
Massachusetts	3,254	2,721	19	562	143	625	77	123	109	201	368	117	377	533	85	120	208	36	84	
Michigan	1,930	1,589	44	312	43	458	38	73	72	69	193	134	153	341	33	153	83	12	60	
Minnesota	1,552	1,107	46	151	21	128	12	200	26	25	55	290	153	445	102	144	34	17	148	
Mississippi	454	307	34	42	10	55	7	28	8	19	37	44	23	147	25	67	24	1	30	
Missouri	971	747	22	181	42	183	20	53	26	20	76	61	63	224	23	62	90	8	41	
Montana	150	119	7	37	3	15	2	7	8	1	21	9	9	31	0	26	3	1	1	
Nebraska	406	334	28	90	12	64	3	40	15	6	24	30	22	72	9	27	14	2	20	
Nevada	235	187	2	38	1	35	6	16	6	14	22	21	26	48	5	37	5	0	1	
New Hampshire	202	191	13	70	13	30	11	8	11	0	20	7	8	11	1	2	7	0	1	
New Jersey	1,163	925	25	142	68	232	23	25	67	37	122	51	133	238	27	50	100	19	42	
New Mexico	296	225	7	40	6	54	9	7	8	5	32	22	35	71	4	44	12	0	11	
New York	4,163	3,273	48	800	163	564	57	180	149	111	395	354	452	890	70	219	339	115	147	
North Carolina	1,866	1,517	52	366	62	341	27	128	98	53	160	91	139	349	34	108	112	16	79	

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North Dakota	185	138	18	22	4	45	3	7	9	1	8	19	2	47	1	34	4	0	8	
Ohio	1,935	1,530	45	311	33	398	8	109	76	71	214	129	136	405	30	176	90	36	73	
Oklahoma	469	329	18	54	12	71	20	18	10	11	36	52	27	140	24	47	34	20	15	
Oregon	642	546	30	104	31	89	30	37	23	16	67	64	55	96	9	32	30	5	20	
Pennsylvania	2,783	2,235	20	491	148	603	28	156	104	109	227	121	228	548	73	152	156	36	131	
Puerto Rico	146	119	9	30	1	11	1	0	1	3	7	54	2	27	2	0	16	0	9	
Rhode Island	388	320	1	73	11	45	24	17	17	19	41	9	63	68	3	13	37	11	4	
South Carolina	529	404	11	72	21	124	3	46	21	12	43	21	30	125	12	66	23	0	24	
South Dakota	108	100	8	24	11	24	1	12	3	1	6	7	3	8	1	3	2	0	2	
Tennessee	1,021	804	26	198	29	183	9	48	29	35	99	81	67	217	18	82	75	9	33	
Texas	4,381	3,359	87	687	145	1,003	113	224	158	110	348	226	258	1,022	142	402	286	47	145	
Utah	671	567	13	105	34	156	19	40	33	10	64	50	43	104	10	50	19	1	24	
Vermont	70	64	16	17	4	4	1	2	1	6	6	5	2	6	0	3	2	0	1	
Virginia	1,527	1,170	36	171	62	337	28	63	41	45	131	107	149	357	38	179	71	9	60	
Washington	923	761	47	159	31	149	33	42	37	51	77	47	88	162	31	48	38	7	38	
West Virginia	229	164	8	27	5	36	1	15	10	1	30	13	18	65	10	24	6	9	16	
Wisconsin	1,012	768	26	177	30	152	16	64	42	19	103	54	85	244	20	86	82	19	37	
Wyoming	74	65	5	7	1	22	7	1	0	1	10	6	5	9	3	6	0	0	0	

^a Includes the 50 states, the District of Columbia, and Puerto Rico.**Note(s):**Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in table A-4. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).**Source(s):**

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