

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
United States	1,030,999	496,129.4	371,468	198,599.8	384,411	177,336.1	275,120	120,193.5
Alabama								
Public								
Alabama A&M U.	290	112.7	46	21.1	135	54.6	109	37.0
Alabama State U.	301	126.3	168	77.2	65	26.2	68	22.9
Auburn U., Auburn	4,202	1,710.7	1,389	638.5	1,804	729.7	1,009	342.5
Troy U.	38	17.5	17	8.5	14	7.3	7	1.7
U. Alabama, Birmingham	9,811	6,671.0	4,264	2,899.0	3,953	2,688.0	1,594	1,084.0
U. Alabama, Huntsville	1,463	632.3	832	382.4	548	221.7	83	28.2
U. Alabama, Tuscaloosa	2,912	1,188.6	1,314	562.8	1,482	568.2	116	57.6
U. South Alabama	594	248.2	175	80.4	393	159.0	26	8.8
Private								
Tuskegee U.	20	19.0	20	6.0	0	10.0	0	3.0
Alaska								
Public								
U. Alaska, Anchorage	442	164.8	76	35.1	86	34.7	280	95.0
U. Alaska, Fairbanks	1,336	543.4	390	179.2	662	267.9	284	96.3
U. Alaska, Southeast	256	105.4	110	50.7	82	33.0	64	21.7
Private								
Alaska Pacific U.	51	9.9	27	6.3	18	2.7	6	0.9
Arizona								
Public								
Arizona State U.	9,812	1,365.0	5,205	811.0	2,452	151.0	2,155	403.0
Dine C.	56	20.5	10	4.6	5	2.0	41	13.9
Northern Arizona U.	1,252	403.0	228	201.0	611	112.0	413	90.0
U. Arizona	9,155	3,609.0	1,444	581.0	2,572	1,489.0	5,139	1,539.0
Private								
Sonoran U. Health Sciences	8	6.5	6	5.0	2	1.5	0	0.0
Arkansas								
Public								
Arkansas State U., Jonesboro	273	64.2	110	27.8	145	26.5	18	9.9
U. Arkansas for Medical Sciences	1,507	833.0	518	310.0	322	257.0	667	266.0
U. Arkansas, Fayetteville	3,152	1,497.0	1,224	524.0	1,416	723.0	512	250.0
U. Arkansas, Little Rock	449	180.1	115	52.8	218	88.0	116	39.3
U. Arkansas, Pine Bluff	132	109.8	42	34.7	35	30.2	55	44.9

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U. Central Arkansas	72	33.1	i	72	33.1	i	NA	0.0	i	NA	0.0	i
California												
Public												
California Polytechnic State U., San Luis Obispo	1,128	466.4	i	183	84.1	i	945	382.3	i	0	0.0	i
California State Polytechnic U., Humboldt	460	98.7		52	12.8		129	38.7		279	47.2	
California State Polytechnic U., Pomona	277	41.0		62	24.0		9	3.0		206	14.0	
California State U., Bakersfield	82	37.5		20	10.8		46	14.9		16	11.8	
California State U., Channel Islands	87	13.9		21	4.6		57	7.6		9	1.7	
California State U., Chico	200	19.2		50	5.5		73	8.7		77	5.0	
California State U., Dominguez Hills	68	33.1		9	2.3		37	18.0		22	12.8	
California State U., East Bay	543	221.3	i	182	83.7	i	233	94.1	i	128	43.5	i
California State U., Fresno	569	232.0	i	191	87.7	i	244	98.7	i	134	45.6	i
California State U., Fullerton	620	58.4		226	19.7		304	33.7		90	5.0	
California State U., Long Beach	713	198.5		151	35.2		528	140.0		34	23.3	
California State U., Los Angeles	457	100.0		120	40.0		254	45.0		83	15.0	
California State U., Maritime Academy	22	11.4		8	2.9		11	6.4		3	2.1	
California State U., Monterey Bay	229	36.6		33	3.6		117	27.3		79	5.7	
California State U., Northridge	352	129.2	i	69	31.7	i	22	8.9	i	261	88.6	i
California State U., Sacramento	391	177.4	i	357	164.1	i	27	10.9	i	7	2.4	i
California State U., San Bernardino	279	45.0		70	6.0		15	1.7		194	37.3	
California State U., San Marcos	234	112.0		78	27.0		139	72.0		17	13.0	
California State U., Stanislaus	166	10.5		61	3.5		103	6.5		2	0.5	
Naval Postgraduate School	582	247.1	i	276	127.0	i	253	102.1	i	53	18.0	i
San Diego State U.	2,663	1,152.6	i	1,449	666.0	i	1,145	463.2	i	69	23.4	i
San Francisco State U.	902	281.6		310	130.6		537	123.3		55	27.7	
San Jose State U.	1,034	198.9		306	90.2		51	23.8		677	84.9	
Sonoma State U.	165	69.3	i	53	24.4	i	106	42.9	i	6	2.0	i
U. California, Berkeley	9,928	3,533.8		6,202	2,414.3		773	448.4		2,953	671.1	
U. California, Davis	11,130	4,218.5		6,063	2,370.8		1,886	1,129.4		3,181	718.3	
U. California, Irvine	5,186	1,802.9		3,935	1,404.6		683	253.1		568	145.2	
U. California, Los Angeles	12,044	5,498.5		6,516	2,877.2		2,651	1,400.3		2,877	1,221.0	
U. California, Merced	1,207	296.3		900	235.1		39	20.0		268	41.2	
U. California, Office of the President	459	179.0		92	18.1		120	53.7		247	107.2	
U. California, Riverside	2,551	1,038.2	i	843	387.5	i	1,095	442.8	i	613	207.9	i
U. California, San Diego	13,582	5,412.0		6,961	2,627.7		3,328	1,924.6		3,293	859.7	

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	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
U. California, San Francisco	10,001	5,526.5	5,315	2,852.0	3,026	1,894.1	1,660	780.4
U. California, Santa Barbara	3,936	1,225.9	2,423	866.9	357	134.9	1,156	224.1
U. California, Santa Cruz	2,467	785.1	1,575	564.4	210	101.8	682	118.9
Private								
Azusa Pacific U.	288	144.1	246	123.0	2	1.8	40	19.3
Biola U.	388	242.4	186	133.3	163	81.9	39	27.2
California Institute of Technology	2,801	1,768.9	1,482	1,064.9	1,100	552.5	219	151.5
California Lutheran U.	73	9.8	69	8.3	1	0.3	3	1.2
Chapman U.	391	256.3	72	51.7	85	42.7	234	161.9
Charles R. Drew U. of Medicine and Science	41	29.2	30	21.6	0	0.0	11	7.6
Claremont Graduate U.	195	120.6	33	7.2	158	111.3	4	2.1
Claremont McKenna C.	517	341.2	236	169.7	123	61.9	158	109.6
Harvey Mudd C.	87	50.8	33	23.7	54	27.1	0	0.0
High Tech High Graduate School of Ed.	25	18.8	20	15.0	0	0.0	5	3.8
Keck Graduate Institute	37	24.7	22	15.4	0	0.0	15	9.3
La Sierra U.	91	16.5	20	7.5	2	1.5	69	7.5
Loma Linda U.	306	64.0	245	24.0	57	38.0	4	2.0
Loyola Marymount U.	423	74.6	154	23.1	161	37.0	108	14.5
Marshall B. Ketchum U.	325	215.3	196	140.8	76	38.1	53	36.4
Occidental C.	303	188.3	105	75.4	127	63.9	71	49.0
Pepperdine U.	243	174.6	243	174.6	NA	0.0	NA	0.0
Pomona C.	201	140.5	26	2.3	175	138.2	0	0.0
Santa Clara U.	378	243.0	145	103.9	115	57.8	118	81.3
Scripps Research Institute	1,719	1,452.7	216	172.2	1,387	1,176.2	116	104.3
Stanford U.	11,031	6,860.9	4,342	3,119.8	4,679	2,350.2	2,010	1,390.9
Touro U., California	31	18.2	18	5.2	13	13.0	0	0.0
U. of the Pacific	56	25.0	15	3.0	10	6.0	31	16.0
U. San Diego	120	106.0	76	73.0	28	24.0	16	9.0
U. San Francisco	379	250.3	173	124.5	90	45.4	116	80.4
U. Southern California	11,878	3,190.8	2,060	517.1	5,863	1,802.4	3,955	871.3
Western U. of Health Sciences	118	42.4	28	5.7	71	34.7	19	2.0
Colorado								
Public								
Colorado School of Mines	1,593	1,106.4	1,119	809.1	446	284.9	28	12.4
Colorado State U., Fort Collins	2,294	924.0	2,033	836.0	49	27.0	212	61.0

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Colorado State U., Pueblo	253	101.8	99	45.5	63	25.4	91	30.9
Fort Lewis C.	234	96.2	33	15.2	196	79.3	5	1.7
U. Colorado Anschutz Medical Campus ^a	7,002	4,613.0	2,222	1,513.0	2,172	1,476.0	2,608	1,624.0
U. Colorado Boulder	5,442	2,215.6	1,799	826.9	2,336	945.1	1,307	443.6
U. Colorado Colorado Springs	47	38.8	11	9.3	9	5.0	27	24.5
U. Colorado Denver ^a	692	197.0	210	20.0	326	133.0	156	44.0
U. Northern Colorado	189	14.5	32	3.8	59	3.2	98	7.5
U.S. Air Force Academy	300	59.0	300	59.0	NA	NA	NA	NA
Private								
Colorado C.	274	179.9	125	89.5	65	32.6	84	57.8
U. Denver	991	887.0	287	258.0	657	587.0	47	42.0
Connecticut								
Public								
Central Connecticut State U.	98	7.1	51	2.3	47	4.8	0	0.0
Eastern Connecticut State U.	82	10.0	53	9.0	0	0.0	29	1.0
Southern Connecticut State U.	178	48.0	100	41.0	72	1.0	6	6.0
U. Connecticut	4,399	1,207.7	1,057	245.8	2,991	854.7	351	107.2
Private								
Connecticut C.	21	7.0	7	2.0	2	2.0	12	3.0
Trinity C., Hartford	53	4.0	8	3.0	1	1.0	44	NA
U. Hartford	68	7.1	59	5.0	2	0.1	7	2.0
U. New Haven	171	24.0	56	2.0	90	12.0	25	10.0
Wesleyan U.	271	176.3	53	38.1	67	33.7	151	104.5
Yale U.	6,738	2,582.6	3,788	1,865.9	1,973	563.4	977	153.3
Delaware								
Public								
Delaware State U.	175	98.8	159	84.3	5	5.0	11	9.5
U. Delaware	4,341	2,495.0	878	790.0	2,053	1,000.0	1,410	705.0
District of Columbia								
Public								
National Defense U.	35	30.0	32	27.5	0	0.0	3	2.5
U. of the District of Columbia	175	63.2	32	14.7	NA	0.0	143	48.5
Private								
American U.	1,466	723.0	329	49.0	894	492.0	243	182.0
Catholic U. of America	253	189.0	84	50.0	148	118.0	21	21.0

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	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Gallaudet U.	200	29.0	95	11.0	86	16.0	19	2.0
George Washington U.	3,043	938.8	719	323.0	624	372.6	1,700	243.2
Georgetown U.	3,530	1,474.5	638	336.9	1,577	759.7	1,315	377.9
Howard U.	841	397.1	256	82.2	364	207.1	221	107.8
Florida								
Public								
Florida A&M U.	6,178	710.5	96	40.5	871	88.3	5,211	581.7
Florida Atlantic U.	1,320	539.3	i 312	i 143.4	i 827	i 334.5	i 181	i 61.4
Florida Gulf Coast U.	339	86.7	44	22.8	85	11.1	210	52.8
Florida International U.	4,968	2,806.0	874	790.4	3,348	1,350.8	746	664.8
Florida Polytechnic U.	111	13.4	44	5.6	4	2.5	63	5.3
Florida State U.	3,650	1,434.9	991	373.5	2,258	782.1	401	279.3
U. Central Florida	2,921	1,064.7	i 611	i 280.8	NA	0.0	i 2,310	i 783.9
U. Florida	14,085	5,576.9	4,582	2,346.6	6,325	2,280.1	3,178	950.2
U. North Florida	611	179.0	55	13.0	407	108.0	149	58.0
U. South Florida ^b	3,735	2,166.3	1,788	754.2	149	96.9	1,798	1,315.2
U. West Florida	312	119.4	i 74	i 34.0	i 71	i 28.7	i 167	i 56.7
Private								
Embry-Riddle Aeronautical U.	118	84.8	i 118	i 84.8	NA	0.0	i NA	i 0.0
Florida Institute of Technology	769	417.6	i 131	i 94.1	i 622	i 312.4	i 16	i 11.1
Nova Southeastern U.	282	192.9	100	60.7	124	88.3	58	43.9
U. Miami	3,603	2,792.8	2,029	1,974.9	570	519.5	1,004	298.4
Georgia								
Public								
Augusta U.	808	312.0	300	113.0	310	124.0	198	75.0
Fort Valley State U.	107	41.5	i 27	i 12.4	i 30	i 12.1	i 50	i 17.0
Georgia Institute of Technology	9,159	3,760.9	i 2,938	i 1,350.4	i 4,595	i 1,858.7	i 1,626	i 551.8
Georgia Southern U.	1,224	246.0	805	204.9	390	26.8	29	14.3
Georgia State U.	5,075	1,918.5	i 1,424	i 654.5	i 386	i 156.1	i 3,265	i 1,107.9
Kennesaw State U.	906	392.5	i 631	i 290.2	i 140	i 56.7	i 135	i 45.6
Savannah State U.	59	13.0	55	11.0	2	1.0	2	1.0
U. Georgia	6,903	3,054.0	2,076	1,203.0	2,854	1,090.0	1,973	761.0
U. North Georgia	77	37.3	45	22.7	0	0.0	32	14.6
Private								
Clark Atlanta U.	203	126.5	29	28.5	171	96.0	3	2.0

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Emory U.	4,931	3,402.0	1,300	986.0	903	712.0	2,728	1,704.0
Mercer U.	566	296.0	271	75.3	194	184.3	101	36.4
Morehouse C.	87	62.5 i	87	62.5 i	0	0.0	0	0.0
Morehouse School of Medicine	291	240.5	120	93.5	88	67.6	83	79.4
Spelman C.	44	17.1	26	5.8	6	6.0	12	5.3
Hawaii								
Public								
U. Hawaii, Hilo	123	59.5	20	10.3	46	21.6	57	27.6
U. Hawaii, Manoa	3,147	1,637.9	674	387.9	2,025	977.1	448	272.9
U. Hawaii, system office	40	34.2	8	7.5	10	5.2	22	21.5
Private								
Hawaii Pacific U.	297 i	190.5 i	128 i	91.7 i	95 i	47.5 i	74 i	51.3 i
Idaho								
Public								
Boise State U.	894 i	362.3 i	313 i	144.1 i	323 i	130.7 i	258 i	87.5 i
Idaho State U.	690 i	279.5 i	242 i	111.1 i	249 i	100.9 i	199 i	67.5 i
U. Idaho	2,318	1,582.4	422	397.3	933	531.7	963	653.4
Illinois								
Public								
Chicago State U.	273 i	114.2 i	128 i	58.8 i	95 i	38.5 i	50 i	16.9 i
Illinois State U.	805 i	322.1 i	333 i	153.3 i	130 i	52.8 i	342 i	116.0 i
Northeastern Illinois U.	32	13.7 i	24	11.0 i	0	0.0 i	8	2.7 i
Northern Illinois U.	1,233	385.2	689	118.0	39	24.6	505	242.6
Southern Illinois U., Carbondale	1,103 i	463.1 i	429 i	197.1 i	573 i	231.8 i	101 i	34.2 i
Southern Illinois U., Edwardsville	177	36.5	36	7.9	114	23.2	27	5.4
U. Illinois, Chicago	6,080	3,793.9	2,117	1,123.3	2,854	1,926.1	1,109	744.5
U. Illinois, Springfield	158	44.6	14	5.1	66	16.5	78	23.0
U. Illinois, Urbana-Champaign	16,936	7,325.4	2,336	1,631.0	13,874	5,233.6	726	460.8
Western Illinois U.	80	33.1 i	15	6.9 i	64	25.9 i	1	0.3 i
Private								
DePaul U.	212	39.1	108	28.1	28	4.7	76	6.3
Erikson Institute	35	14.0	9	4.0	22	8.0	4	2.0
Illinois Institute of Technology	525	182.7	160	60.1	344	114.4	21	8.2
Loyola U., Chicago	955	610.3 i	305	219.1 i	309	155.2 i	341	236.0 i
Midwestern U.	539	139.4	33	3.4	506	136.0	0	0.0

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Public								
Bowie State U.	319 i	131.3 i	137 i	63.1 i	102 i	41.1 i	80 i	27.1 i
Morgan State U.	473	122.7	155	56.5	80	21.1	238	45.1
Salisbury U.	290	90.1	57	12.1	0	0.0	233	78.0
Towson U.	352	150.1 i	142	65.3 i	208	84.1 i	2	0.7 i
U. Baltimore	99	41.0 i	16	7.4 i	83	33.6 i	0	0.0
U. Maryland ^c	12,212	6,403.1	2,680	1,640.5	6,037	3,847.4	3,495	915.2
U. Maryland Center for Environmental Science	418	336.5	70	59.5	194	138.5	154	138.5
U. Maryland, Baltimore County	1,865	757.7 i	61	28.0 i	1,804	729.7 i	NA	0.0 i
U. Maryland, Eastern Shore	315 i	121.6 i	96 i	44.2 i	48 i	19.4 i	171 i	58.0 i
U.S. Naval Academy	115	40.3	115	40.3	0	0.0	0	0.0
Uniformed Services U. of the Health Sciences	630 i	258.1 i	231 i	106.4 i	248 i	100.4 i	151 i	51.3 i
Private								
Johns Hopkins U. ^d	18,900	12,561.8	9,484	7,517.0	7,339	3,328.0	2,077	1,716.8
Massachusetts								
Public								
Framingham State U.	411 i	172.7 i	230 i	105.6 i	89 i	35.8 i	92 i	31.3 i
U. Massachusetts, Amherst	3,153 i	1,275.3 i	1,088 i	500.3 i	1,141 i	461.5 i	924 i	313.5 i
U. Massachusetts, Boston	1,226	456.6	379	118.5	709	279.4	138	58.7
U. Massachusetts, Dartmouth	494	240.0	148	106.0	14	14.0	332	120.0
U. Massachusetts, Lowell	2,073	1,285.3	628	575.2	1,344	623.8	101	86.3
U. Massachusetts, Medical School	2,960	2,449.3	1,446	1,097.2	956	867.4	558	484.7
Private								
Amherst C.	548 i	349.8 i	257 i	184.7 i	191 i	96.0 i	100 i	69.1 i
Babson C.	312 i	198.9 i	146 i	105.0 i	109 i	54.6 i	57 i	39.3 i
Bentley U.	17	1.5	17	1.5	0	0.0	0	0.0
Boston C.	821	541.0	151	151.0	572	328.0	98	62.0
Boston U.	5,212	4,929.8	1,757	1,606.4	3,160	3,055.4	295	268.0
Brandeis U.	1,290	965.0	517	435.0	121	69.0	652	461.0
Clark U.	130	36.7	45	9.4	71	19.3	14	8.0
Franklin W. Olin C. of Engineering	104	7.7	30	2.9	71	3.4	3	1.4
Harvard U.	7,341	3,530.9	3,385	1,938.5	1,949	1,115.8	2,007	476.6
Massachusetts Institute of Technology	8,838	6,052.0 i	6,815	4,896.7 i	1,289	647.4 i	734	507.9 i
MGH Institute of Health Professions	48	25.0	41	25.0	0	0.0	7	NA
Mount Holyoke C.	51	8.0	23	7.0	28	1.0	0	0.0

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Minnesota State U., Mankato	487	204.2	204	93.7	224	90.5	59	20.0
St. Cloud State U.	205	13.1	63	5.6	10	1.9	132	5.6
U. Minnesota, Duluth	575	210.9	131	60.2	NA	0.0	444	150.7
U. Minnesota, Twin Cities	14,284	5,221.8	3,116	1,432.2	NA	0.0	11,168	3,789.6
Private								
C. of Saint Benedict	275	178.3	134	96.0	80	40.3	61	42.0
Carleton C.	119	27.0	26	5.2	70	15.6	23	6.2
Macalester C.	45	11.0	45	11.0	0	0.0	0	0.0
Saint John's U.	280	181.3	136	97.6	82	41.0	62	42.7
St. Catherine U.	74	7.6	25	3.6	47	2.8	2	1.2
U. of St. Thomas (MN)	358	13.3	35	1.6	301	8.7	22	3.0
Mississippi								
Public								
Alcorn State U.	430	161.3	112	51.4	29	11.7	289	98.2
Jackson State U.	272	115.9	135	47.5	2	1.7	135	66.7
Mississippi State U.	4,168	2,590.7	1,309	763.4	2,588	1,627.8	271	199.5
U. Mississippi	2,317	809.2	1,056	260.4	222	41.7	1,039	507.1
U. Southern Mississippi	717	269.1	123	56.5	168	68.0	426	144.6
Private								
Tougaloo C.	281	179.6	132	94.8	98	49.3	51	35.5
Missouri								
Public								
Lincoln U., Jefferson City	184	130.0	45	35.0	35	30.0	104	65.0
Missouri State U.	1,030	378.6	83	38.1	294	118.9	653	221.6
Missouri U. of Science and Technology	1,107	621.2	218	205.7	815	384.8	74	30.7
U. Missouri, Columbia	5,050	3,548.8	1,325	1,241.8	3,024	1,827.8	701	479.2
U. Missouri, Kansas City	799	554.2	233	212.8	425	245.0	141	96.4
U. Missouri, Saint Louis	353	250.0	92	83.3	199	121.2	62	45.5
Private								
Saint Louis U.	1,230	854.6	936	672.5	113	56.8	181	125.3
U. of Health Sciences and Pharmacy in St. Louis	43	29.0	33	19.3	10	9.7	0	0.0
Washington U., Saint Louis	5,742	3,266.7	1,546	752.8	3,697	2,208.0	499	305.9
Montana								
Public								
Montana State U., Bozeman	1,208	923.1	473	271.7	664	592.7	71	58.7

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff		
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	
Montana Technological U.	345	67.0	59	16.0	91	19.0	195	32.0	
U. Montana, Missoula	1,366	570.7	i 328	150.8	i 1,038	419.9	i NA	0.0	i
Nebraska									
Public									
U. Nebraska, central administration	53	40.3	21	13.7	16	15.4	16	11.2	
U. Nebraska, Kearney	180	75.6	i 61	28.0	i 111	44.9	i 8	2.7	i
U. Nebraska, Lincoln	7,073	3,934.2	1,627	1,432.7	4,975	2,353.0	471	148.5	
U. Nebraska, Medical Center	2,305	1,349.3	759	406.8	922	605.2	624	337.3	
U. Nebraska, Omaha	637	i 250.0	i 169	i 77.5	i 211	i 85.2	i 257	i 87.3	i
Private									
Creighton U.	511	i 345.3	i 159	i 114.0	i 65	i 32.4	i 287	i 198.9	i
Nevada									
Public									
Desert Research Institute	315	204.1	109	103.0	193	95.8	13	5.3	
Nevada State C.	43	4.5	42	3.5	1	1.0	0	0.0	
U. Nevada, Las Vegas	1,719	740.9	1,004	422.1	314	187.5	401	131.3	
U. Nevada, Reno	3,305	1,879.7	795	771.0	1,279	363.4	1,231	745.3	
Private									
Roseman U. of Health Sciences	191	74.0	184	70.0	2	1.0	5	3.0	
New Hampshire									
Public									
Plymouth State U.	48	39.2	10	9.3	10	7.3	28	22.6	
U. New Hampshire	951	619.6	489	303.6	421	276.3	41	39.7	
Private									
Dartmouth C. and Dartmouth Hitchcock Medical Center	1,853	1,230.0	1,229	921.0	450	213.0	174	96.0	
New Jersey									
Public									
C. New Jersey	93	12.4	78	7.8	13	4.5	2	0.1	
Kean U.	387	48.7	342	43.1	35	4.5	10	1.1	
Montclair State U.	764	1.3	473	0.3	0	0.0	291	1.0	
New Jersey Institute of Technology	889	424.0	450	278.0	247	82.0	192	64.0	
Rowan U.	826	165.2	241	46.4	139	65.7	446	53.1	
Rutgers, State U. New Jersey, Camden	42	19.3	i 42	19.3	i NA	0.0	i NA	0.0	i
Rutgers, State U. New Jersey, New Brunswick	1,293	594.3	i 1,293	594.3	i NA	0.0	i NA	0.0	i
Rutgers, State U. New Jersey, Newark	112	51.5	i 112	51.5	i NA	0.0	i NA	0.0	i

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Stockton U.	119	5.3	14	0.4	105	4.9	0	0.0
William Paterson U.	343	49.0	152	26.0	62	5.0	129	18.0
Private								
Monmouth U.	78	14.4	14	4.1	63	10.1	1	0.2
Princeton U.	2,447	1,511.3	1,457	846.8	514	341.6	476	322.9
Seton Hall U.	54	37.0	44	30.0	5	4.0	5	3.0
Stevens Institute of Technology	522	282.5	177	118.4	344	163.3	1	0.8
New Mexico								
Public								
New Mexico Highlands U.	408	170.8	229	105.4	71	28.9	108	36.5
New Mexico Institute of Mining and Technology	1,120	419.8	155	71.2	324	131.1	641	217.5
New Mexico State U.	2,297	896.0	486	340.0	59	42.0	1,752	514.0
U. New Mexico	4,449	1,784.0	1,085	498.7	2,206	892.4	1,158	392.9
New York								
Public								
CUNY, Advanced Science Research Center	298	57.6	254	51.5	9	0.9	35	5.2
CUNY, Baruch C.	94	10.6	73	6.6	6	1.7	15	2.3
CUNY, Brooklyn C.	194	34.0	109	16.9	20	4.4	65	12.7
CUNY, C. Staten Island	118	16.9	100	13.4	0	0.0	18	3.5
CUNY, City C.	993	240.1	626	145.0	34	8.2	333	86.9
CUNY, Graduate Center	152	23.8	90	12.1	2	0.2	60	11.5
CUNY, Graduate School of Public Health and Health Policy	444	58.7	419	55.2	0	0.0	25	3.5
CUNY, Hunter C.	677	152.9	438	92.0	21	5.4	218	55.5
CUNY, John Jay C. of Criminal Justice	741	60.0	191	21.5	3	0.8	547	37.7
CUNY, Lehman C.	137	17.8	74	8.9	6	1.6	57	7.3
CUNY, New York City C. of Technology	48	5.5	17	2.3	0	0.0	31	3.2
CUNY, Queens C.	300	69.0	148	23.4	24	4.6	128	41.0
CUNY, system office	35	7.5	8	4.1	0	0.0	27	3.4
CUNY, York C.	113	9.0	24	5.0	11	2.0	78	2.0
SUNY, Binghamton U.	1,478	669.2	669	261.6	726	316.6	83	91.0
SUNY, Buffalo State	71	35.0	10	3.0	3	2.0	58	30.0
SUNY, C. Brockport	48	11.3	7	1.0	39	10.0	2	0.3
SUNY, C. of Environmental Science and Forestry	629	200.3	65	14.1	262	109.9	302	76.3
SUNY, C. of Optometry	21	8.1	11	2.8	7	5.2	3	0.1
SUNY, C. Plattsburgh	26	9.0	11	5.0	15	4.0	0	0.0

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
SUNY, Cobleskill	26	5.1	2	1.0	23	4.0	1	0.1
SUNY, Downstate Health Sciences U.	189	134.9	75	27.9	102	95.2	12	11.8
SUNY, Geneseo	83	10.0	67	8.5	7	0.6	9	0.9
SUNY, Oswego	44	5.8	11	1.7	3	0.2	30	3.9
SUNY, Polytechnic Institute	1,506	582.3	363	166.9	425	171.8	718	243.6
SUNY, Stony Brook U.	3,120	1,647.8	598	563.9	2,007	948.1	515	135.8
SUNY, U. Albany	1,555	1,112.6	768	541.9	106	77.1	681	493.6
SUNY, U. Buffalo	4,041	1,634.8	1,395	641.3	1,462	591.6	1,184	401.9
SUNY, Upstate Medical U.	418	351.0	207	117.0	203	218.0	8	16.0
U.S. Military Academy	193	98.6	155	79.2	12	6.3	26	13.1
Private								
Albany C. of Pharmacy and Health Sciences	48	15.9	10	1.7	38	14.2	0	0.0
Albany Medical C.	506	326.8	255	182.9	157	78.9	94	65.0
Albert Einstein C. of Medicine	1,506	1,385.0	596	561.0	529	479.0	381	345.0
Alfred U.	32	13.5	24	7.8	6	5.0	2	0.7
Barnard C.	96	26.6	18	1.8	24	18.0	54	6.8
Canisius C.	19	13.3	7	5.0	0	0.0	12	8.3
Clarkson U.	594	370.7	125	89.8	230	115.5	239	165.4
Cold Spring Harbor Laboratory	1,261	785.4	502	360.8	530	266.0	229	158.6
Colgate U.	320	47.6	23	3.9	297	43.7	0	0.0
Columbia U. in the City of New York	10,020	8,870.0	5,721	5,129.0	802	764.0	3,497	2,977.0
Cornell U.	12,479	9,350.6	3,455	2,396.9	2,544	2,101.9	6,480	4,851.8
Fordham U.	528	324.0	237	170.3	252	126.7	39	27.0
Hamilton C.	108	21.4	63	9.5	38	8.4	7	3.5
Hobart and William Smith Colleges	102	27.3	23	2.5	79	24.8	0	0.0
Hofstra U.	475	262.0	104	74.7	366	183.8	5	3.5
Icahn School of Medicine at Mount Sinai	3,361	2,442.0	1,135	611.0	1,743	1,507.0	483	324.0
Ithaca C.	84	4.4	43	0.7	1	0.1	40	3.6
Long Island U.	366	128.9	293	92.8	49	25.0	24	11.1
Manhattan C.	359	243.0	207	148.5	56	28.2	96	66.3
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	39	34.0	39	34.0	0	0.0	0	0.0
New School	293	199.7	117	84.1	33	16.6	143	99.0
New York Institute of Technology	167	110.0	47	24.0	64	58.0	56	28.0
New York Medical C.	160	111.0	118	84.8	15	7.5	27	18.7
New York U.	8,168	6,934.1	3,095	2,824.4	389	374.2	4,684	3,735.5

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Pace U.	160	41.2	92	11.1	9	3.4	59	26.7
Pratt Institute	21	16.0	16	12.0	3	2.5	2	1.5
Rensselaer Polytechnic Institute	1,631 i	991.5 i	537 i	386.2 i	799 i	401.3 i	295 i	204.0 i
Rochester Institute of Technology	1,185	261.6	502	163.7	609	30.6	74	67.3
Rockefeller U.	1,003	771.4	516	432.0	358	294.7	129	44.7
Skidmore C.	68	12.0	21	4.0	47	8.0	0	0.0
St. John's U., New York	299 i	201.3 i	193 i	138.9 i	59 i	29.6 i	47 i	32.8 i
Syracuse U.	2,608	891.8	1,927	741.5	123	37.8	558	112.5
Teachers C., Columbia U.	75	53.9 i	75	53.9 i	NA	0.0 i	NA	0.0 i
U. Rochester	4,309	2,505.4 i	1,258	903.9 i	2,687	1,349.6 i	364	251.9 i
Union C., Schenectady	230	153.3 i	175	125.7 i	55	27.6 i	0	0.0 i
Vassar C.	258 i	150.9 i	74 i	53.5 i	159 i	80.1 i	25 i	17.3 i
Yeshiva U.	54	31.3 i	19	13.7 i	35	17.6 i	0	0.0 i
North Carolina								
Public								
Appalachian State U.	213	84.5 i	100	46.0 i	2	0.8 i	111	37.7 i
East Carolina U.	1,780	397.1	617	89.3	979	213.4	184	94.4
Elizabeth City State U.	12	4.0	12	4.0	NA	NA	NA	NA
Fayetteville State U.	50	3.2	32	1.5	6	0.5	12	1.2
North Carolina A&T State U.	538	232.4 i	269	123.6 i	269	108.8 i	0	0.0 i
North Carolina Central U.	592 i	246.3 i	217 i	99.9 i	289 i	117.1 i	86 i	29.3 i
North Carolina State U.	7,226	5,592.6	3,390	3,043.8	882	773.7	2,954	1,775.1
U. North Carolina, Asheville	126	61.0	49	23.0	51	25.0	26	13.0
U. North Carolina, Chapel Hill	10,581 i	4,279.5 i	3,653 i	1,678.9 i	3,828 i	1,548.6 i	3,100 i	1,052.0 i
U. North Carolina, Charlotte	1,402	307.5	308	41.0	885	238.1	209	28.4
U. North Carolina, general administration	239 i	96.6 i	94 i	43.2 i	59 i	24.1 i	86 i	29.3 i
U. North Carolina, Greensboro	991	423.5 i	514	236.2 i	389	157.4 i	88	29.9 i
U. North Carolina, Wilmington	638	298.9	293	106.4	151	99.6	194	92.9
Western Carolina U.	106	61.3	24	5.6	77	52.3	5	3.4
Winston-Salem State U.	197	74.2 i	54	24.8 i	13	5.3 i	130	44.1 i
Private								
Davidson C.	235	54.0	226	45.0	6	6.0	3	3.0
Duke U.	9,839	6,464.9	4,625	2,897.3	3,892	2,802.3	1,322	765.3
Elon U.	236	156.6 i	176	126.5 i	60	30.1 i	0	0.0 i
Johnson C. Smith U.	69	28.3	27	10.4	0	0.0	42	17.9

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff					
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs				
Wake Forest U.	2,662	1,697.0	i	723	519.5	i	866	435.0	i	1,073	742.5	i
North Dakota												
Public												
North Dakota State U.	3,663	916.1		397	235.2		567	283.5		2,699	397.4	
U. North Dakota	1,352	590.4	i	949	436.2	i	268	108.4	i	135	45.8	i
Ohio												
Public												
Air Force Institute of Technology	375	239.5		184	82.5		146	137.0		45	20.0	
Bowling Green State U.	1,456	148.0		114	22.9		1,342	125.1		0	0.0	
Central State U.	157	47.0		34	16.0		5	4.0		118	27.0	
Cleveland State U.	1,069	436.5	i	479	220.2	i	247	99.9	i	343	116.4	i
Kent State U.	1,165	503.1	i	592	272.1	i	561	226.9	i	12	4.1	i
Miami U.	577	265.2	i	577	265.2	i	NA	0.0	i	NA	0.0	i
Northeast Ohio Medical U.	165	119.7		117	75.6		44	40.1		4	4.0	
Ohio State U.	12,663	4,999.5		3,705	1,644.3		8,458	3,118.3		500	236.9	
Ohio U.	709	131.0		187	51.0		520	79.0		2	1.0	
U. Akron	534	221.3	i	98	45.0	i	434	175.6	i	2	0.7	i
U. Cincinnati	4,437	2,138.0		1,714	855.0		2,271	1,025.0		452	258.0	
U. Toledo	1,713	944.5		317	272.7		1,386	667.1		10	4.7	
Wright State U.	445	188.2		102	73.2		329	101.8		14	13.2	
Youngstown State U.	158	18.4		29	1.8		129	16.6		0	0.0	
Private												
C. Wooster	76	52.8	i	22	15.8	i	2	1.0	i	52	36.0	i
Case Western Reserve U.	2,870	1,774.7	i	1,059	760.8	i	1,260	632.6	i	551	381.3	i
Heidelberg U.	10	6.0		5	3.0		4	2.5		1	0.5	
Kenyon C.	77	8.4		17	3.8		60	4.6		0	0.0	
U. Dayton	1,201	747.4		843	473.6		121	116.2		237	157.6	
Oklahoma												
Public												
Langston U.	113	51.9	i	113	51.9	i	NA	0.0	i	NA	0.0	i
Oklahoma State U., Center for Health Sciences	113	55.5		45	12.3		10	5.1		58	38.1	
Oklahoma State U., Stillwater	2,322	989.8		1,486	630.3		193	109.5		643	250.0	
U. Central Oklahoma	302	118.3	i	79	36.1	i	99	40.1	i	124	42.1	i
U. Oklahoma, Norman and Health Science Center	3,870	1,558.6	i	1,183	543.7	i	1,583	640.3	i	1,104	374.6	i
U. Oklahoma, Tulsa	118	45.9	i	20	9.2	i	54	21.8	i	44	14.9	i

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Private								
U. Tulsa	478	172.8	332	109.9	18	14.4	128	48.5
Oregon								
Public								
Oregon Health and Science U.	4,006	1,621.5	1,294	594.8	1,633	660.6	1,079	366.1
Oregon Institute of Technology	271	108.3	89	41.0	86	34.7	96	32.6
Oregon State U.	4,578	1,329.6	867	257.0	3,008	915.6	703	157.0
Portland State U.	846	540.0	778	488.0	42	28.0	26	24.0
U. Oregon	1,784	648.1	386	138.1	82	34.8	1,316	475.2
Private								
Lewis and Clark C.	266	36.2	44	8.6	215	23.8	7	3.8
Pacific U.	313	201.5	143	102.5	96	48.1	74	50.9
Reed C.	285	172.8	97	69.9	145	72.8	43	30.1
Willamette U.	133	15.0	56	7.0	72	5.0	5	3.0
Pennsylvania								
Public								
East Stroudsburg U. Pennsylvania	68	16.4	52	10.4	4	2.0	12	4.0
Indiana U. Pennsylvania	275	54.8	122	24.4	70	11.2	83	19.2
Pennsylvania State U., Behrend	154	70.8	154	70.8	NA	0.0	NA	0.0
Pennsylvania State U., Harrisburg	154	70.8	154	70.8	NA	0.0	NA	0.0
Pennsylvania State U., University Park and Hershey Medical Center	4,294	1,973.7	4,294	1,973.7	NA	0.0	NA	0.0
Temple U.	3,494	2,471.0	643	369.0	1,084	930.9	1,767	1,171.1
U. Pittsburgh, Pittsburgh	12,043	6,714.1	2,805	1,584.2	6,249	3,831.2	2,989	1,298.7
U.S. Army War C.	305	115.2	68	31.2	56	22.7	181	61.3
West Chester U. Pennsylvania	503	207.7	302	138.8	11	4.4	190	64.5
Private								
Bryn Mawr C.	154	32.4	134	30.0	2	0.4	18	2.0
Bucknell U.	342	210.0	104	74.7	155	77.9	83	57.4
Carnegie Mellon U.	4,493	2,859.7	2,575	1,850.2	1,675	841.3	243	168.2
Drexel U.	2,225	1,920.0	1,203	1,053.0	440	330.0	582	537.0
Duquesne U.	394	247.2	51	36.6	141	70.8	202	139.8
Franklin and Marshall C.	277	42.1	30	4.1	85	20.4	162	17.6
Haverford C.	7	6.8	NA	NA	6	5.8	1	1.0
Lafayette C.	186	120.9	127	91.3	59	29.6	0	0.0
Lehigh U.	995	378.0	222	83.4	623	249.7	150	44.9

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Mercyhurst U.	169	24.5	81	16.5	73	NA	15	8.0
Philadelphia C. of Osteopathic Medicine	33	24.3	8	0.2	21	20.4	4	3.7
Robert Morris U.	404 i	257.8 i	176 i	126.2 i	139 i	69.7 i	89 i	61.9 i
Saint Joseph's U.	154	30.9	77	9.2	50	19.4	27	2.3
Swarthmore C.	319	47.3	35	4.4	51	10.7	233	32.2
Thomas Jefferson U.	1,681	706.0	697	209.0	873	471.0	111	26.0
U. Pennsylvania	15,719	11,740.4	1,426	552.4	2,226	2,042.6	12,067	9,145.4
Villanova U.	418	91.3	143	31.9	250	49.9	25	9.5
Rhode Island								
Public								
Naval War C.	0	0.0	0	0.0	0	0.0	0	0.0
Rhode Island C.	250	104.4 i	58	26.7 i	192	77.7 i	0	0.0 i
U. Rhode Island	1,694	455.1	1,400	368.8	19	9.4	275	76.9
Private								
Brown U.	729	553.0	191	116.0	511	422.0	27	15.0
Roger Williams U.	117	12.3	33	3.8	63	7.1	21	1.4
South Carolina								
Public								
C. Charleston	255	65.3	88	30.5	155	26.6	12	8.2
Citadel Military C. South Carolina	84	13.9	34	6.2	49	7.2	1	0.5
Clemson U.	922	0.4	406	0.1	495	0.2	21	0.1
Coastal Carolina U.	153	35.2	32	4.6	117	29.8	4	0.8
Medical U. South Carolina	1,303	520.1 i	518	238.1 i	240	97.1 i	545	184.9 i
South Carolina State U.	405 i	NA	82 i	NA	248 i	NA	75 i	NA
U. South Carolina, Aiken	43	26.0	16	14.9	2	1.2	25	9.9
U. South Carolina, Columbia	2,183	1,432.0	567	552.0	351	262.0	1,265	618.0
Winthrop U.	160	18.0	28	11.0	123	6.0	9	1.0
Private								
Clafin U.	38	23.6	9	0.4	2	0.2	27	23.0
Furman U.	96	16.0	29	3.2	7	1.9	60	10.9
South Dakota								
Public								
Black Hills State U.	24	11.3	10	5.7	10	3.0	4	2.6
Dakota State U.	24	16.0	19	14.0	0	0.0	5	2.0
South Dakota School of Mines and Technology	378	82.0	73	22.0	302	58.0	3	2.0

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
South Dakota State U.	1,237	329.7	287	99.7	921	219.9	29	10.1
U. South Dakota	610	254.5	320	147.2	139	56.1	151	51.2
Private								
Augustana U.	81	44.5	17	12.2	63	31.6	1	0.7
Tennessee								
Public								
Austin Peay State U.	164	21.0	43	2.0	NA	NA	121	19.0
East Tennessee State U.	399	260.0	95	62.0	217	141.0	87	57.0
Middle Tennessee State U.	445	182.0	189	86.9	127	51.3	129	43.8
Tennessee State U.	119	51.3	80	36.8	19	7.7	20	6.8
Tennessee Technological U.	387	56.5	74	8.5	313	48.0	0	0.0
U. Memphis	1,876	155.3	132	30.8	NA	NA	1,744	124.5
U. Tennessee, Chattanooga	420	118.0	157	31.0	234	66.0	29	21.0
U. Tennessee, Health Science Center	1,184	666.0	615	362.0	488	254.0	81	50.0
U. Tennessee, Knoxville	5,688	2,552.1	1,894	1,058.3	3,252	1,170.0	542	323.8
Private								
Fisk U.	140	14.5	136	12.7	2	1.5	2	0.3
Meharry Medical C.	126	70.0	69	28.0	36	30.0	21	12.0
Vanderbilt U. and Vanderbilt U. Medical Center	8,190	5,087.6	2,964	2,129.0	3,467	1,741.1	1,759	1,217.5
Texas								
Public								
Lamar U.	214	86.4	71	32.6	81	32.8	62	21.0
Prairie View A&M U.	543	330.0	202	159.8	12	12.0	329	158.2
Sam Houston State U.	414	175.2	284	130.5	9	3.6	121	41.1
Stephen F. Austin State U.	243	101.6	75	34.5	154	62.3	14	4.8
Sul Ross State U.	293	117.8	90	41.2	115	46.6	88	30.0
Tarleton State U.	379	246.0	77	75.0	67	46.0	235	125.0
Texas A&M International U.	274	110.5	123	56.7	38	15.5	113	38.3
Texas A&M U., College Station and Health Science Center	15,158	5,074.7	2,624	917.4	8,326	2,793.9	4,208	1,363.4
Texas A&M U.-Commerce	259	107.5	65	29.9	180	72.8	14	4.8
Texas A&M U.-Corpus Christi	654	199.1	192	74.1	291	82.6	171	42.4
Texas A&M U.-Kingsville	628	389.3	130	108.5	155	86.8	343	194.0
Texas A&M U.-San Antonio	74	41.0	33	14.0	33	20.0	8	7.0
Texas Southern U.	113	69.1	51	36.8	30	20.0	32	12.3
Texas State U.	1,458	1,233.0	277	229.0	0	0.0	1,181	1,004.0

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Public								
U. Utah	8,898	3,707.7	3,844	2,211.4	4,446	1,242.9	608	253.4
Utah State U.	809	599.5	592	475.3	38	23.9	179	100.3
Utah Valley U.	408	171.1	235	108.2	64	25.9	109	37.0
Private								
Brigham Young U., Provo	1,786	1,241.5	211	151.6	NA	0.0	1,575	1,089.9
Vermont								
Public								
U. Vermont	2,608	912.4	952	406.9	876	369.1	780	136.4
Private								
Middlebury C.	158	23.8	37	6.2	12	2.0	109	15.6
Virginia								
Public								
Christopher Newport U.	116	25.0	116	25.0	0	0.0	0	0.0
Eastern Virginia Medical School	267	175.0	83	35.0	110	101.0	74	39.0
George Mason U.	3,567	1,175.9	479	454.9	1,698	590.3	1,390	130.7
James Madison U.	568	224.9	150	68.9	218	88.0	200	68.0
Norfolk State U.	61	12.6	17	2.8	29	5.4	15	4.4
Old Dominion U.	976	210.8	332	82.1	626	121.4	18	7.3
U. of Mary Washington	55	8.2	21	4.8	32	3.2	2	0.2
U. Virginia's C. Wise	52	19.4	12	5.5	6	2.4	34	11.5
U. Virginia, Charlottesville	7,350	2,901.8	1,576	724.4	3,346	1,353.5	2,428	823.9
Virginia Commonwealth U.	3,977	1,416.5	557	256.0	NA	0.0	3,420	1,160.5
Virginia Military Institute	70	24.0	14	10.0	0	0.0	56	14.0
Virginia Polytechnic Institute and State U.	7,366	3,052.8	3,299	1,516.5	2,400	970.8	1,667	565.5
Virginia State U.	379	146.5	126	58.1	40	16.1	213	72.3
William & Mary	1,775	716.3	340	156.4	1,124	454.5	311	105.4
Private								
Edward Via C. of Osteopathic Medicine	70	35.0	51	22.0	9	7.0	10	6.0
Hampton U.	106	78.0	51	44.0	0	0.0	55	34.0
Marymount U.	132	55.0	48	12.0	9	3.0	75	40.0
U. Richmond	135	30.0	45	10.2	78	16.6	12	3.2
Washington								
Public								
Central Washington U.	104	15.0	38	8.0	61	5.0	5	2.0

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Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Eastern Washington U.	87	15.9	18	2.8	63	12.1	6	1.0
Northwest Indian C.	43	7.8	15	3.4	0	0.0	28	4.4
U. Washington, Bothell	147	33.6	79	16.7	11	2.6	57	14.3
U. Washington, Seattle	14,409	5,557.0	9,169	3,388.8	1,335	731.0	3,905	1,437.2
U. Washington, Tacoma	140	26.7	57	15.2	17	4.7	66	6.8
Washington State U.	5,687	2,326.2	1,019	468.4	4,200	1,699.0	468	158.8
Western Washington U.	446	96.4	155	39.9	256	52.7	35	3.8
Private								
Seattle U.	49	35.2	49	35.2	NA	0.0	NA	0.0
U. Puget Sound	405	268.0	244	175.2	95	47.5	66	45.3
Whitman C.	232	22.4	231	21.8	1	0.6	0	0.0
West Virginia								
Public								
Marshall U.	411	246.0	90	36.0	102	68.0	219	142.0
West Virginia School of Osteopathic Medicine	28	14.4	17	4.4	6	6.0	5	4.0
West Virginia State U.	46	26.9	16	13.0	10	9.2	20	4.7
West Virginia U.	3,433	1,858.9	1,213	575.0	1,359	844.0	861	439.9
Private								
U. Charleston	6	1.0	2	0.5	4	0.5	0	0.0
Wisconsin								
Public								
U. Wisconsin-Eau Claire	183	76.1	40	18.4	141	57.0	2	0.7
U. Wisconsin-Green Bay	470	190.9	144	66.1	218	88.0	108	36.8
U. Wisconsin-La Crosse	259	36.0	91	8.8	163	22.4	5	4.8
U. Wisconsin-Madison	14,516	2,470.2	3,774	767.2	6,762	1,169.4	3,980	533.6
U. Wisconsin-Milwaukee	1,718	981.5	274	243.6	1,444	737.9	0	0.0
U. Wisconsin-Oshkosh	72	13.4	64	9.5	8	3.9	0	0.0
U. Wisconsin-Platteville	305	118.0	61	28.2	107	43.2	137	46.6
U. Wisconsin-Stevens Point	184	47.0	26	1.0	84	39.0	74	7.0
U. Wisconsin-Superior	299	123.5	129	59.5	96	38.7	74	25.3
Private								
Marquette U.	1,353	520.8	392	201.0	626	193.0	335	126.8
Medical C. Wisconsin	2,544	1,212.3	721	318.8	1,588	794.5	235	99.0
Milwaukee School of Engineering	93	37.6	48	20.3	16	4.5	29	12.8
Northland C.	405	249.0	140	100.3	181	90.9	84	57.8

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Headcount and FTEs of R&D personnel at higher education institutions, by state, institutional control, institution, and personnel function: FY 2022

(Number)

State, institutional control, and institution	All personnel functions		Researchers		R&D technicians		R&D support staff	
	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs	Personnel	FTEs
Wyoming								
Public								
U. Wyoming	1,193	489.9	343	157.8	672	271.7	178	60.4
Guam								
Public								
U. Guam	322	167.9	48	21.7	230	113.4	44	32.8
Puerto Rico								
Public								
U. Puerto Rico, Cayey	93	29.0	15	8.0	2	1.0	76	20.0
U. Puerto Rico, Humacao	90	10.5	14	2.0	74	7.0	2	1.5
U. Puerto Rico, Mayaguez	372	86.7	65	32.5	0	0.0	307	54.2
U. Puerto Rico, Medical Sciences Campus	342	189.0	119	65.0	68	38.0	155	86.0
U. Puerto Rico, Rio Piedras	258	184.0	97	59.0	23	23.0	138	102.0
Private								
U. Ana G. Mendez, Gurabo	33	10.0	33	10.0	0	0.0	0	0.0
U. Central del Caribe	108	91.0	27	25.0	59	45.0	22	21.0
Virgin Islands								
Public								
U. of the Virgin Islands	297	107.5	37	17.0	35	14.2	225	76.3

i = imputed. NA = not available; data were not provided by institution.

FTE = full-time equivalent.

^a The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, personnel were reported together under University of Colorado Denver and Anschutz Medical Campus.

^b The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

^c The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.

^d Johns Hopkins University includes the Applied Physics Laboratory, with 8,090 personnel and 7,848 FTEs in FY 2022.

Note(s):

FTE R&D personnel are calculated as the total working effort spent on R&D during a specific period divided by the total effort representing a full-time schedule within the same period. This table includes only institutions reporting \$1 million or more in total R&D expenditures in FY 2021. Institutions reporting less than \$1 million in total R&D expenditures in FY 2021 completed a shorter version of the survey form in FY 2022 that did not include this question.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2022.