

TABLE 19

**Higher education R&D expenditures for clinical trials, by source of funds, highest degree granted, and institutional control: FYs 2010–20**

(Dollars in thousands)

Number, source of funds, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>All institutions</b>											
Number of institutions with clinical trials R&D	173	178	166	169	176	178	174	181	180	190	188
All R&D	43,587,067	46,154,058	46,182,393	47,521,867	48,823,411	50,518,176	52,974,681	56,092,244	60,209,082	64,940,633	67,014,405
All clinical trials R&D	1,533,053	1,587,503	1,667,554	1,756,031	1,998,453	2,138,547	2,367,976	2,621,635	2,938,633	3,091,243	3,320,934
Federal R&D	27,502,023	29,715,665	28,976,410	28,839,622	28,242,451	28,219,390	29,059,366	30,420,421	32,032,218	34,836,936	36,181,288
Federal clinical trials R&D	539,834	637,812	665,163	747,442	793,733	840,757	867,041	920,753	1,031,876	1,183,607	1,310,818
Nonfederal R&D	16,085,044	16,438,393	17,205,983	18,682,245	20,580,960	22,298,786	23,915,315	25,671,823	28,176,864	30,103,697	30,833,117
Nonfederal clinical trials R&D	993,219	949,691	1,002,391	1,008,589	1,204,720	1,297,790	1,500,935	1,700,882	1,906,757	1,907,636	2,010,116
<b>Doctorate</b>											
Number of institutions with clinical trials R&D	147	150	150	154	159	163	159	167	168	177	178
All R&D	43,531,732	46,058,907	46,080,033	47,464,317	48,764,898	50,456,805	52,898,447	56,018,930	60,151,970	64,864,524	66,944,565
All clinical trials R&D	1,525,982	1,577,952	1,659,319	1,748,068	1,989,065	2,132,071	2,361,367	2,616,509	2,934,654	3,087,243	3,316,058
Federal R&D	27,465,906	29,664,114	28,918,557	28,803,492	28,214,054	28,191,478	29,029,502	30,392,429	32,006,281	34,804,487	36,155,946
Federal clinical trials R&D	535,066	631,248	658,212	740,173	785,860	835,589	862,211	916,381	1,028,638	1,180,524	1,307,375
Nonfederal R&D	16,065,826	16,394,793	17,161,476	18,660,825	20,550,844	22,265,327	23,868,945	25,626,501	28,145,689	30,060,037	30,788,619
Nonfederal clinical trials R&D	990,916	946,704	1,001,107	1,007,895	1,203,205	1,296,482	1,499,156	1,700,128	1,906,016	1,906,719	2,008,683
<b>Nondoctorate</b>											
Number of institutions with clinical trials R&D	26	28	16	15	17	15	15	14	12	13	10
All R&D	55,335	95,151	102,360	57,550	58,513	61,371	76,234	73,314	57,112	76,109	69,840
All clinical trials R&D	7,071	9,551	8,235	7,963	9,388	6,476	6,609	5,126	3,979	4,000	4,876
Federal R&D	36,117	51,551	57,853	36,130	28,397	27,912	29,864	27,992	25,937	32,449	25,342
Federal clinical trials R&D	4,768	6,564	6,951	7,269	7,873	5,168	4,830	4,372	3,238	3,083	3,443
Nonfederal R&D	19,218	43,600	44,507	21,420	30,116	33,459	46,370	45,322	31,175	43,660	44,498
Nonfederal clinical trials R&D	2,303	2,987	1,284	694	1,515	1,308	1,779	754	741	917	1,433
<b>Public</b>											
Number of institutions with clinical trials R&D	100	101	96	100	106	111	107	111	114	124	124
All R&D	27,143,937	29,081,518	28,993,617	29,832,528	30,727,888	31,975,939	33,203,172	34,968,934	37,922,227	41,069,526	42,543,456
All clinical trials R&D	578,615	599,545	633,542	709,889	754,804	802,818	948,240	1,070,820	1,210,863	1,292,386	1,417,760
Federal R&D	15,921,337	17,253,156	16,779,967	16,830,718	16,417,539	16,462,490	17,021,809	17,749,111	18,811,258	20,604,047	21,461,470
Federal clinical trials R&D	162,213	204,202	223,816	244,240	235,778	246,200	263,574	265,194	304,928	388,288	441,685
Nonfederal R&D	11,222,600	11,828,362	12,213,650	13,001,810	14,310,349	15,513,449	16,181,363	17,219,823	19,110,969	20,465,479	21,081,986
Nonfederal clinical trials R&D	416,402	395,343	409,726	465,649	519,026	556,618	684,666	805,626	905,935	904,098	976,075
<b>Private</b>											
Number of institutions with clinical trials R&D	73	77	70	69	70	67	67	70	66	66	64
All R&D	16,443,130	17,072,540	17,188,776	17,689,339	18,095,523	18,542,237	19,771,509	21,123,310	22,286,855	23,871,107	24,470,949
All clinical trials R&D	954,438	987,958	1,034,012	1,046,142	1,243,649	1,335,729	1,419,736	1,550,815	1,727,770	1,798,857	1,903,174

TABLE 19

**Higher education R&D expenditures for clinical trials, by source of funds, highest degree granted, and institutional control: FYs 2010–20**

(Dollars in thousands)

Number, source of funds, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Federal R&D	11,580,686	12,462,509	12,196,443	12,008,904	11,824,912	11,756,900	12,037,557	12,671,310	13,220,960	14,232,889	14,719,818
Federal clinical trials R&D	377,621	433,610	441,347	503,202	557,955	594,557	603,467	655,559	726,948	795,319	869,133
Nonfederal R&D	4,862,444	4,610,031	4,992,333	5,680,435	6,270,611	6,785,337	7,733,952	8,452,000	9,065,895	9,638,218	9,751,131
Nonfederal clinical trials R&D	576,817	554,348	592,665	542,940	685,694	741,172	816,269	895,256	1,000,822	1,003,538	1,034,041

**Source(s):**

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