

TABLE 19

Higher education R&D expenditures for clinical trials, by source of funds, highest degree granted, and institutional control: FYs 2010–19

(Dollars in thousands)

Number, source of funds, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All institutions										
Number of institutions with clinical trials R&D	173	178	166	169	176	178	174	181	179	189
All R&D	43,587,067	46,154,058	46,182,393	47,521,867	48,823,411	50,518,176	52,942,930	56,079,040	60,198,997	64,917,750
All clinical trials R&D	1,533,053	1,587,503	1,667,554	1,756,031	1,998,453	2,138,547	2,367,972	2,621,477	2,938,581	3,093,017
Federal R&D	27,502,023	29,715,665	28,976,410	28,839,622	28,242,451	28,219,390	29,041,969	30,395,655	32,006,446	34,811,692
Federal clinical trials R&D	539,834	637,812	665,163	747,442	793,733	840,757	867,037	920,737	1,031,869	1,182,983
Nonfederal R&D	16,085,044	16,438,393	17,205,983	18,682,245	20,580,960	22,298,786	23,900,961	25,683,385	28,192,551	30,106,058
Nonfederal clinical trials R&D	993,219	949,691	1,002,391	1,008,589	1,204,720	1,297,790	1,500,935	1,700,740	1,906,712	1,910,034
Doctorate										
Number of institutions with clinical trials R&D	147	150	150	154	159	163	159	167	168	177
All R&D	43,531,732	46,058,907	46,080,033	47,464,317	48,764,898	50,456,805	52,866,696	56,005,726	60,142,565	64,840,385
All clinical trials R&D	1,525,982	1,577,952	1,659,319	1,748,068	1,989,065	2,132,071	2,361,363	2,616,351	2,934,602	3,089,017
Federal R&D	27,465,906	29,664,114	28,918,557	28,803,492	28,214,054	28,191,478	29,012,105	30,367,663	31,980,737	34,783,661
Federal clinical trials R&D	535,066	631,248	658,212	740,173	785,860	835,589	862,207	916,365	1,028,631	1,179,900
Nonfederal R&D	16,065,826	16,394,793	17,161,476	18,660,825	20,550,844	22,265,327	23,854,591	25,638,063	28,161,828	30,056,724
Nonfederal clinical trials R&D	990,916	946,704	1,001,107	1,007,895	1,203,205	1,296,482	1,499,156	1,699,986	1,905,971	1,909,117
Nondoctorate										
Number of institutions with clinical trials R&D	26	28	16	15	17	15	15	14	11	12
All R&D	55,335	95,151	102,360	57,550	58,513	61,371	76,234	73,314	56,432	77,365
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
Federal R&D	36,117	51,551	57,853	36,130	28,397	27,912	29,864	27,992	25,709	28,031
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
Nonfederal R&D	19,218	43,600	44,507	21,420	30,116	33,459	46,370	45,322	30,723	49,334
Nonfederal clinical trials R&D	2,303	2,987	1,284	694	1,515	1,308	1,779	754	741	917
Public										
Number of institutions with clinical trials R&D	100	101	96	100	106	111	107	111	113	123
All R&D	27,143,937	29,081,518	28,993,617	29,832,528	30,727,888	31,975,939	33,171,421	34,955,730	37,912,142	41,053,191
All clinical trials R&D	578,615	599,545	633,542	709,889	754,804	802,818	948,236	1,070,662	1,210,811	1,292,322
Federal R&D	15,921,337	17,253,156	16,779,967	16,830,718	16,417,539	16,462,490	17,004,412	17,724,345	18,785,486	20,578,803
Federal clinical trials R&D	162,213	204,202	223,816	244,240	235,778	246,200	263,570	265,178	304,921	388,276
Nonfederal R&D	11,222,600	11,828,362	12,213,650	13,001,810	14,310,349	15,513,449	16,167,009	17,231,385	19,126,656	20,474,388
Nonfederal clinical trials R&D	416,402	395,343	409,726	465,649	519,026	556,618	684,666	805,484	905,890	904,046
Private										
Number of institutions with clinical trials R&D	73	77	70	69	70	67	67	70	66	66
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	23,864,559
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	1,800,695

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(Dollars in thousands)

Number, source of funds, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
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
Federal clinical trials R&D	377,621	433,610	441,347	503,202	557,955	594,557	603,467	655,559	726,948	794,707
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	9,631,670
Nonfederal clinical trials R&D	576,817	554,348	592,665	542,940	685,694	741,172	816,269	895,256	1,000,822	1,005,988

Source(s):

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