

TABLE 16

Externally funded higher education R&D expenditures, by highest degree granted, institutional control, and type of agreement: FYs 2010–21

(Dollars in thousands)

Type of agreement, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
All institutions												
All externally funded R&D	49,344,078	52,694,073	52,141,609	52,076,758	51,463,714	51,957,808	53,863,644	56,297,272	58,844,008	62,415,228	64,310,608	67,275,085
Contracts	10,830,892	11,058,454	11,415,327	11,590,645	11,604,030	12,081,208	12,234,270	12,901,360	13,486,631	14,581,333	15,462,140	16,124,550
Grants, reimbursements, and all other agreements	38,513,186	41,635,619	40,726,282	40,486,113	39,859,684	39,876,600	41,629,374	43,395,912	45,357,377	47,833,895	48,848,468	51,150,535
Doctorate												
All externally funded R&D	48,504,214	51,725,752	51,314,264	51,439,912	50,881,747	51,452,527	53,025,240	55,771,086	58,345,484	61,909,378	63,806,321	66,754,148
Contracts	10,667,147	10,875,191	11,271,111	11,494,039	11,513,041	12,015,261	12,064,405	12,844,764	13,429,501	14,508,151	15,383,747	16,052,925
Grants, reimbursements, and all other agreements	37,837,067	40,850,561	40,043,153	39,945,873	39,368,706	39,437,266	40,960,835	42,926,322	44,915,983	47,401,227	48,422,574	50,701,223
Nondoctorate												
All externally funded R&D	839,864	968,321	827,345	636,846	581,967	505,281	838,404	526,186	498,524	505,850	504,287	520,937
Contracts	163,745	183,263	144,216	96,606	90,989	65,947	169,865	56,596	57,130	73,182	78,393	71,625
Grants, reimbursements, and all other agreements	676,119	785,058	683,129	540,240	490,978	439,334	668,539	469,590	441,394	432,668	425,894	449,312
Public												
All externally funded R&D	31,934,135	34,048,019	33,752,723	33,705,035	33,067,468	33,292,859	34,453,166	35,917,977	37,546,488	39,665,446	41,016,849	42,622,784
Contracts	7,153,099	7,274,860	7,507,054	7,835,919	7,697,443	7,963,143	7,936,739	8,363,518	8,876,201	9,551,650	10,129,575	10,359,964
Grants, reimbursements, and all other agreements	24,781,036	26,773,159	26,245,669	25,869,116	25,370,025	25,329,716	26,516,427	27,554,459	28,670,287	30,113,796	30,887,274	32,262,820
Private												
All externally funded R&D	17,409,943	18,646,054	18,388,886	18,371,723	18,396,246	18,664,949	19,410,478	20,379,295	21,297,520	22,749,782	23,293,759	24,652,301
Contracts	3,677,793	3,783,594	3,908,273	3,754,726	3,906,587	4,118,065	4,297,531	4,537,842	4,610,430	5,029,683	5,332,565	5,764,586
Grants, reimbursements, and all other agreements	13,732,150	14,862,460	14,480,613	14,616,997	14,489,659	14,546,884	15,112,947	15,841,453	16,687,090	17,720,099	17,961,194	18,887,715

Source(s):

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