

TABLE 15

Externally funded higher education R&D expenditures, by highest degree granted, institutional control, and type of agreement: FYs 2010–20

(Dollars in thousands)

Type of agreement, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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	56,297,588	58,847,220	62,440,582	64,349,388
Contracts	10,830,892	11,058,454	11,415,327	11,590,645	11,603,926	12,081,223	12,234,270	12,901,520	13,489,429	14,585,871	15,485,184
Grants, reimbursements, and all other agreements	38,513,186	41,635,619	40,726,282	40,486,113	39,859,788	39,876,585	41,629,374	43,396,068	45,357,791	47,854,711	48,864,204
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	55,771,402	58,348,696	61,934,732	63,846,117
Contracts	10,667,147	10,875,191	11,271,111	11,494,039	11,513,041	12,015,276	12,064,405	12,844,924	13,432,299	14,512,689	15,406,542
Grants, reimbursements, and all other agreements	37,837,067	40,850,561	40,043,153	39,945,873	39,368,706	39,437,251	40,960,835	42,926,478	44,916,397	47,422,043	48,439,575
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	503,271
Contracts	163,745	183,263	144,216	96,606	90,885	65,947	169,865	56,596	57,130	73,182	78,642
Grants, reimbursements, and all other agreements	676,119	785,058	683,129	540,240	491,082	439,334	668,539	469,590	441,394	432,668	424,629
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	35,918,293	37,546,888	39,665,927	41,053,831
Contracts	7,153,099	7,274,860	7,507,054	7,835,919	7,697,339	7,963,158	7,936,739	8,363,678	8,876,306	9,551,775	10,149,823
Grants, reimbursements, and all other agreements	24,781,036	26,773,159	26,245,669	25,869,116	25,370,129	25,329,701	26,516,427	27,554,615	28,670,582	30,114,152	30,904,008
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	21,300,332	22,774,655	23,295,557
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	4,613,123	5,034,096	5,335,361
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	16,687,209	17,740,559	17,960,196

Source(s):

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