

TABLE 15

Externally funded higher education R&D expenditures, by highest degree granted, institutional control, and type of agreement: FYs 2010–19

(Dollars in thousands)

Type of agreement, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
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	53,827,775	56,254,534	58,801,958	62,386,645
Contracts	10,830,892	11,058,454	11,415,327	11,590,645	11,604,632	12,081,823	12,234,303	12,901,704	13,489,207	14,583,437
Grants, reimbursements, and all other agreements	38,513,186	41,635,619	40,726,282	40,486,113	39,859,082	39,875,985	41,593,472	43,352,830	45,312,751	47,803,208
Doctorate										
All externally funded R&D	48,504,214	51,725,752	51,314,264	51,439,912	50,881,747	51,452,527	52,989,371	55,728,348	58,306,102	61,888,264
Contracts	10,667,147	10,875,191	11,271,111	11,494,039	11,513,041	12,015,876	12,064,438	12,845,108	13,431,939	14,509,480
Grants, reimbursements, and all other agreements	37,837,067	40,850,561	40,043,153	39,945,873	39,368,706	39,436,651	40,924,933	42,883,240	44,874,163	47,378,784
Nondoctorate										
All externally funded R&D	839,864	968,321	827,345	636,846	581,967	505,281	838,404	526,186	495,856	498,381
Contracts	163,745	183,263	144,216	96,606	91,591	65,947	169,865	56,596	57,268	73,957
Grants, reimbursements, and all other agreements	676,119	785,058	683,129	540,240	490,376	439,334	668,539	469,590	438,588	424,424
Public										
All externally funded R&D	31,934,135	34,048,019	33,752,723	33,705,035	33,067,468	33,292,859	34,417,297	35,875,239	37,501,626	39,616,504
Contracts	7,153,099	7,274,860	7,507,054	7,835,919	7,698,045	7,963,758	7,936,772	8,363,862	8,876,084	9,549,341
Grants, reimbursements, and all other agreements	24,781,036	26,773,159	26,245,669	25,869,116	25,369,423	25,329,101	26,480,525	27,511,377	28,625,542	30,067,163
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	22,770,141
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
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	17,736,045

Source(s):

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