

TABLE 15
Higher education R&D expenditures from foreign sources, by highest degree granted and institutional control: FYs 2010–22 and by source of foreign funds for FYs 2016–22

(Dollars in thousands)

Source of foreign funds, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
All institutions													
All foreign funds	642,858	719,255	797,787	979,476	1,003,537	1,065,671	1,184,830	1,220,847	1,254,413	1,273,195	1,308,535	1,344,476	1,479,275
Foreign government	na	na	na	na	na	na	170,704	177,391	254,788	279,610	303,249	294,413	309,062
Business	na	na	na	na	na	na	488,986	511,627	543,767	571,130	622,550	652,622	708,214
Nonprofit organizations	na	na	na	na	na	na	302,809	320,919	275,129	276,275	251,251	265,517	333,327
Higher education institutions	na	na	na	na	na	na	114,508	112,391	116,199	110,744	108,802	107,830	101,329
All other sources	na	na	na	na	na	na	107,823	98,519	64,530	35,436	22,683	24,094	27,343
Doctorate													
All foreign funds	640,490	715,437	795,057	975,436	999,123	1,060,276	1,171,157	1,216,291	1,247,904	1,268,633	1,302,997	1,339,869	1,474,884
Foreign government	na	na	na	na	na	na	168,903	177,001	254,237	279,180	303,025	294,290	308,038
Business	na	na	na	na	na	na	479,482	509,167	540,444	569,435	620,027	650,322	707,513
Nonprofit organizations	na	na	na	na	na	na	302,156	320,365	274,467	275,371	249,683	264,118	331,705
Higher education institutions	na	na	na	na	na	na	114,023	112,050	115,342	109,778	108,087	107,622	101,119
All other sources	na	na	na	na	na	na	106,593	97,708	63,414	34,869	22,175	23,517	26,509
Nondoctorate													
All foreign funds	2,368	3,818	2,730	4,040	4,414	5,395	13,673	4,556	6,509	4,562	5,538	4,607	4,391
Foreign government	na	na	na	na	na	na	1,801	390	551	430	224	123	1,024
Business	na	na	na	na	na	na	9,504	2,460	3,323	1,695	2,523	2,300	701
Nonprofit organizations	na	na	na	na	na	na	653	554	662	904	1,568	1,399	1,622
Higher education institutions	na	na	na	na	na	na	485	341	857	966	715	208	210
All other sources	na	na	na	na	na	na	1,230	811	1,116	567	508	577	834
Public													
All foreign funds	381,519	418,115	437,190	493,577	518,759	528,668	546,467	565,881	594,110	597,565	625,204	649,479	713,501
Foreign government	na	na	na	na	na	na	57,063	51,148	116,685	89,357	77,892	64,918	65,429
Business	na	na	na	na	na	na	265,472	263,553	277,914	308,206	355,650	380,291	431,545
Nonprofit organizations	na	na	na	na	na	na	153,363	174,841	120,184	121,217	113,527	126,355	141,098
Higher education institutions	na	na	na	na	na	na	51,123	56,765	60,290	61,045	64,312	65,254	61,152
All other sources	na	na	na	na	na	na	19,446	19,574	19,037	17,740	13,823	12,661	14,277
Private													
All foreign funds	261,339	301,140	360,597	485,899	484,778	537,003	638,363	654,966	660,303	675,630	683,331	694,997	765,774
Foreign government	na	na	na	na	na	na	113,641	126,243	138,103	190,253	225,357	229,495	243,633
Business	na	na	na	na	na	na	223,514	248,074	265,853	262,924	266,900	272,331	276,669
Nonprofit organizations	na	na	na	na	na	na	149,446	146,078	154,945	155,058	137,724	139,162	192,229
Higher education institutions	na	na	na	na	na	na	63,385	55,626	55,909	49,699	44,490	42,576	40,177
All other sources	na	na	na	na	na	na	88,377	78,945	45,493	17,696	8,860	11,433	13,066

na = not applicable; separate data for source of foreign funds were not collected for these years.

Note(s):

Prior to FY 2016, only total R&D expenditures from foreign sources was collected. Beginning in FY 2016, institutions were asked for the source of foreign funding.

Source(s):

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