

TABLE 15
Higher education R&D expenditures from foreign sources, by highest degree granted and institutional control: FYs 2010–23 and by source of foreign funds for FYs 2016–23

(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	2023
All institutions														
All foreign funds	642,858	719,255	797,787	979,476	1,003,537	1,065,671	1,184,867	1,220,885	1,254,464	1,273,247	1,308,620	1,344,876	1,479,456	1,619,058
Foreign government	na	na	na	na	na	na	170,707	177,628	254,879	279,743	303,279	294,477	302,196	315,926
Business	na	na	na	na	na	na	489,011	511,639	543,810	571,151	622,596	652,999	715,366	756,578
Nonprofit organizations	na	na	na	na	na	na	302,815	320,921	275,125	276,290	251,276	265,515	338,493	402,698
Higher education institutions	na	na	na	na	na	na	114,511	112,178	116,147	110,672	108,794	107,804	96,078	97,835
All other sources	na	na	na	na	na	na	107,823	98,519	64,503	35,391	22,675	24,081	27,323	46,021
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	1,474,873	1,615,222
Foreign government	na	na	na	na	na	na	168,903	177,238	254,328	279,313	303,055	294,354	301,172	314,605
Business	na	na	na	na	na	na	479,482	509,144	540,437	569,428	620,022	650,316	714,473	756,218
Nonprofit organizations	na	na	na	na	na	na	302,156	320,365	274,462	275,364	249,678	264,105	336,871	400,986
Higher education institutions	na	na	na	na	na	na	114,023	111,836	115,290	109,704	108,075	107,594	95,868	97,667
All other sources	na	na	na	na	na	na	106,593	97,708	63,387	34,824	22,167	23,500	26,489	45,746
Nondoctorate														
All foreign funds	2,368	3,818	2,730	4,040	4,414	5,395	13,710	4,594	6,560	4,614	5,623	5,007	4,583	3,836
Foreign government	na	na	na	na	na	na	1,804	390	551	430	224	123	1,024	1,321
Business	na	na	na	na	na	na	9,529	2,495	3,373	1,723	2,574	2,683	893	360
Nonprofit organizations	na	na	na	na	na	na	659	556	663	926	1,598	1,410	1,622	1,712
Higher education institutions	na	na	na	na	na	na	488	342	857	968	719	210	210	168
All other sources	na	na	na	na	na	na	1,230	811	1,116	567	508	581	834	275
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	713,494	782,433
Foreign government	na	na	na	na	na	na	57,063	51,385	116,776	89,490	77,922	64,982	65,507	70,808
Business	na	na	na	na	na	na	265,472	263,530	277,907	308,199	355,645	380,285	431,565	458,575
Nonprofit organizations	na	na	na	na	na	na	153,363	174,841	120,179	121,210	113,522	126,342	141,038	158,942
Higher education institutions	na	na	na	na	na	na	51,123	56,551	60,238	60,971	64,300	65,226	61,127	60,035
All other sources	na	na	na	na	na	na	19,446	19,574	19,010	17,695	13,815	12,644	14,257	34,073
Private														
All foreign funds	261,339	301,140	360,597	485,899	484,778	537,003	638,400	655,004	660,354	675,682	683,416	695,397	765,962	836,625
Foreign government	na	na	na	na	na	na	113,644	126,243	138,103	190,253	225,357	229,495	236,689	245,118
Business	na	na	na	na	na	na	223,539	248,109	265,903	262,952	266,951	272,714	283,801	298,003
Nonprofit organizations	na	na	na	na	na	na	149,452	146,080	154,946	155,080	137,754	139,173	197,455	243,756
Higher education institutions	na	na	na	na	na	na	63,388	55,627	55,909	49,701	44,494	42,578	34,951	37,800
All other sources	na	na	na	na	na	na	88,377	78,945	45,493	17,696	8,860	11,437	13,066	11,948

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.