

TABLE 14

Higher education R&D expenditures from foreign sources, by highest degree granted and institutional control: FYs 2010–19 and by source of foreign funds for FYs 2016–19

(Dollars in thousands)

Source of foreign funds, highest degree granted, and institutional control	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All institutions										
All foreign funds	642,858	719,255	797,787	977,773	1,003,612	1,065,483	1,184,059	1,220,116	1,252,961	1,279,672
Foreign government	na	na	na	na	na	na	164,585	172,575	249,842	272,674
Business	na	na	na	na	na	na	492,310	517,592	549,382	587,540
Nonprofit organizations	na	na	na	na	na	na	303,529	318,004	273,291	274,528
Higher education institutions	na	na	na	na	na	na	114,640	111,777	114,943	108,573
All other sources	na	na	na	na	na	na	108,995	100,168	65,503	36,357
Doctorate										
All foreign funds	640,490	715,437	795,057	973,733	999,173	1,060,088	1,170,386	1,215,560	1,247,004	1,275,573
Foreign government	na	na	na	na	na	na	162,784	172,185	249,291	272,244
Business	na	na	na	na	na	na	482,806	515,132	546,059	585,833
Nonprofit organizations	na	na	na	na	na	na	302,876	317,450	272,699	273,788
Higher education institutions	na	na	na	na	na	na	114,155	111,436	114,510	107,893
All other sources	na	na	na	na	na	na	107,765	99,357	64,445	35,815
Nondoctorate										
All foreign funds	2,368	3,818	2,730	4,040	4,439	5,395	13,673	4,556	5,957	4,099
Foreign government	na	na	na	na	na	na	1,801	390	551	430
Business	na	na	na	na	na	na	9,504	2,460	3,323	1,707
Nonprofit organizations	na	na	na	na	na	na	653	554	592	740
Higher education institutions	na	na	na	na	na	na	485	341	433	680
All other sources	na	na	na	na	na	na	1,230	811	1,058	542
Public										
All foreign funds	381,519	418,115	437,190	491,874	518,834	528,480	546,137	565,606	593,762	605,251
Foreign government	na	na	na	na	na	na	57,274	51,549	117,452	89,847
Business	na	na	na	na	na	na	264,175	262,418	277,039	316,069
Nonprofit organizations	na	na	na	na	na	na	154,837	175,976	120,856	122,238
Higher education institutions	na	na	na	na	na	na	50,552	56,051	59,797	60,230
All other sources	na	na	na	na	na	na	19,299	19,612	18,618	16,867
Private										
All foreign funds	261,339	301,140	360,597	485,899	484,778	537,003	637,922	654,510	659,199	674,421
Foreign government	na	na	na	na	na	na	107,311	121,026	132,390	182,827
Business	na	na	na	na	na	na	228,135	255,174	272,343	271,471
Nonprofit organizations	na	na	na	na	na	na	148,692	142,028	152,435	152,290
Higher education institutions	na	na	na	na	na	na	64,088	55,726	55,146	48,343
All other sources	na	na	na	na	na	na	89,696	80,556	46,885	19,490

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.