

**Table 1****State government expenditures for R&D and R&D plant: FYs 2021–22**

(Thousands of current dollars)

Characteristic	FY 2021	FY 2022	Percent change
All R&D and R&D plant expenditures	2,542,503	2,675,831	5.2
All R&D plant expenditures	29,270	31,840	8.8
All R&D expenditures	2,513,233	2,643,991	5.2
Source of funds			
Federal government	608,778	691,149	13.5
State government and other nonfederal sources	1,904,456	1,952,842	2.5
Performer			
Intramural <sup>a</sup>	675,326	696,625	3.2
Extramural	1,837,907	1,947,367	6.0
Higher education institutions	987,411	1,032,713	4.6
Companies and individuals	508,736	454,746	-10.6
Other	341,761	459,908	34.6
Intramural by type of R&D			
Basic research	120,427	121,065	0.5
Applied research	506,204	535,739	5.8
Experimental development	48,695	39,821	-18.2
R&D project by government function			
Agriculture	119,860	127,264	6.2
Energy	410,274	327,116	-20.3
Environment and natural resources	428,067	540,876	26.4
Health	1,077,324	1,100,992	2.2
Transportation	300,353	290,871	-3.2
Other <sup>b</sup>	177,356	256,873	44.8

<sup>a</sup> Intramural performers include employees within the same state department or agency and services performed by others in support of internal R&D projects.

<sup>b</sup> Includes government functions for corrections, criminal justice, education, forensic sciences, labor, public safety, and social services.

**Note(s):**

Detail may not add to total because of rounding. R&D plant includes acquisition of land, facilities, major equipment, and major building renovations intended primarily for R&D use.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of State Government Research and Development.