

Table 1**State government agency R&D and R&D plant expenditures: FYs 2022–23**

(Thousands of current dollars)

Characteristic	FY 2022	FY 2023	% change
All R&D and R&D plant expenditures	2,689,023	3,068,515	14.1
All R&D expenditures	2,655,773	3,034,601	14.3
All R&D plant expenditures	33,250	33,914	2.0
R&D expenditures			
By source of funds			
Federal government	701,257	742,246	5.8
State government and other nonfederal sources	1,954,516	2,292,355	17.3
By performer			
Intramural ^a	695,883	741,613	6.6
Extramural	1,959,891	2,292,988	17.0
Higher education institutions	1,046,082	1,229,895	17.6
Companies and individuals	453,901	597,852	31.7
Nonprofit organizations	312,046	325,966	4.5
Other governments ^b	61,660	58,292	-5.5
All other ^c	86,202	80,984	-6.1
Intramural performers, by type of R&D			
Basic research	121,065	120,980	-0.1
Applied research	534,997	577,326	7.9
Experimental development	39,821	43,308	8.8
By government function			
Agriculture	127,264	147,888	16.2
Energy	325,616	373,458	14.7
Environment and natural resources	556,643	591,277	6.2
Health	1,099,492	1,292,801	17.6
Transportation	290,871	315,134	8.3
Other ^d	255,888	314,043	22.7

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

^b Other governments include federal government departments and agencies; other departments or agencies within the state; other state governments; and county, city, special district, or regional local governments.

^c All other is performers not elsewhere classified.

^d Other government function includes corrections, criminal justice, education, forensic sciences, labor, public safety, and social services.

Note(s):

R&D plant includes acquisition of land, facilities, major equipment, and major building renovations intended primarily for R&D use. Detail may not add to total due to rounding. Data include all 50 states and the District of Columbia. Puerto Rico is not included due to its classification as a U.S. territory.

Source(s):

National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FY 2023.