

TABLE 96

Federal obligations for research and development for selected agencies, by state or location: FYs 2002–12

(Dollars in millions)

State or location	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
All locations	91,816	101,366	109,733	116,586	119,302	124,900	125,092	138,975	138,156	132,794	135,995
Alabama	2,735	3,212	3,036	3,108	2,198	2,248	2,782	3,023	3,477	5,202	5,159
Alaska	300	399	461	495	212	264	222	247	236	196	159
Arizona	2,279	2,385	2,644	2,959	2,460	2,422	2,449	3,142	3,426	2,917	2,405
Arkansas	141	145	147	165	162	178	145	171	182	179	184
California	19,198	20,170	19,259	19,964	26,898	26,987	19,939	26,989	27,227	22,769	18,036
Colorado	1,728	1,735	2,068	2,265	2,189	2,798	2,668	3,862	4,348	3,816	3,745
Connecticut	2,817	2,068	2,123	2,400	1,947	2,117	1,815	2,365	2,193	2,426	2,231
Delaware	81	95	90	94	113	131	144	225	129	115	109
District of Columbia	3,146	2,986	3,329	4,162	4,193	4,278	17,537	4,265	3,890	3,014	3,339
Florida	2,542	2,854	3,265	2,590	3,346	4,078	2,290	3,734	3,142	2,482	2,356
Georgia	2,229	2,133	1,907	2,182	1,751	1,686	1,386	1,958	1,520	1,422	1,133
Hawaii	428	414	488	600	380	379	348	387	389	404	383
Idaho	235	218	289	290	300	287	355	388	479	430	447
Illinois	1,729	1,935	1,880	2,128	2,003	2,145	2,169	2,746	2,631	2,878	2,399
Indiana	538	574	557	567	583	597	672	1,109	989	903	838
Iowa	463	499	538	488	549	662	635	683	909	695	613
Kansas	291	269	287	358	294	318	300	464	348	368	232
Kentucky	322	247	252	296	240	222	252	319	287	242	308
Louisiana	433	453	447	444	323	419	406	406	331	597	314
Maine	256	167	210	292	229	379	168	194	163	180	248
Maryland	7,420	8,027	12,609	12,501	12,747	11,906	13,313	15,971	15,879	15,751	15,598
Massachusetts	4,921	5,492	5,964	6,592	6,876	7,529	6,883	9,047	8,747	7,758	6,279
Michigan	1,254	1,693	1,118	1,177	1,700	1,726	1,866	2,427	2,510	2,153	2,206
Minnesota	1,153	866	831	768	1,242	1,387	1,393	1,551	1,063	949	961
Mississippi	628	1,181	1,599	438	555	434	435	385	422	588	543
Missouri	1,241	1,349	3,059	4,202	1,316	1,221	1,111	1,285	1,151	1,193	1,123
Montana	114	131	189	182	151	654	159	171	139	182	190
Nebraska	154	168	210	193	178	230	205	220	240	262	262
Nevada	343	419	555	593	436	321	313	558	380	478	482
New Hampshire	312	512	422	514	400	340	294	458	350	406	491
New Jersey	2,109	2,088	2,274	2,525	2,173	2,192	2,193	2,492	2,853	2,583	2,167
New Mexico	2,877	3,090	3,363	3,593	3,315	3,478	3,503	3,696	3,338	3,456	3,379
New York	3,821	4,382	4,505	5,320	5,368	5,368	4,651	6,242	5,602	5,042	4,727
North Carolina	1,393	1,617	1,684	1,806	1,771	1,828	1,773	2,022	2,151	2,060	1,922
North Dakota	105	107	109	118	118	116	98	101	120	118	88
Ohio	2,380	2,967	2,794	2,961	2,724	3,661	2,580	4,460	4,099	3,555	3,436
Oklahoma	276	570	498	401	271	253	261	370	430	463	450
Oregon	504	514	505	650	510	506	581	635	675	711	632
Pennsylvania	3,245	3,989	3,731	3,677	3,300	3,360	3,279	4,298	4,963	4,513	3,725
Rhode Island	502	566	642	889	623	628	644	679	670	610	557
South Carolina	371	454	384	493	374	422	453	662	662	497	555
South Dakota	59	55	70	70	76	62	76	79	75	61	63
Tennessee	1,157	1,131	1,382	1,426	1,489	1,908	1,690	2,081	2,105	1,899	2,112
Texas	3,554	5,414	5,507	5,187	5,915	6,693	5,030	6,031	6,896	5,475	5,620
Utah	458	803	1,184	1,058	846	991	700	1,169	1,709	1,756	972
Vermont	136	201	417	263	106	108	121	151	142	124	103
Virginia	6,176	6,709	7,298	8,746	8,994	9,088	9,282	9,381	9,112	8,287	8,130
Washington	2,023	2,442	2,311	2,641	4,087	4,751	4,340	4,157	3,915	4,931	2,757
West Virginia	254	383	316	808	301	219	225	263	313	240	263
Wisconsin	596	658	646	652	636	671	661	886	796	742	734

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(Dollars in millions)

State or location	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Wyoming	40	43	48	38	36	37	47	65	37	37	76
Outlying areas	288	323	135	161	161	178	160	237	263	269	193
Puerto Rico	135	112	101	101	99	86	85	96	95	97	71
Other areas ^a	153	211	34	59	62	93	75	141	168	172	122
Offices abroad ^b	64	61	99	97	138	40	87	68	54	36	92
Undistributed ^c	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,373	20,468

NA = not available; data were not collected at that level for that fiscal year.

^a Includes American Samoa, Baker Island, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Northern Mariana Islands, Palmyra Atoll, U.S. Virgin Islands, and Wake Island.

^b Includes R&D performed or administered in foreign countries by the U.S. government.

^c Undistributed totals include Department of Defense (DOD) obligations for which the location of performance is not reported. It includes DOD obligations for industry R&D that were included in individual state totals prior to FY 2012 and obligations for other performers that were not reported prior to FY 2011.

Note(s):

Because of rounding, detail may not add to total. Through volume 70 (FYs 2020–21), 11 agencies were required to report data for this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. Obligations of these 11 agencies represented more than 97% of total federal R&D obligations in FY 2020. Starting with volume 62 (FYs 2012–14), an "undistributed" category was added to the geographic location tables for DOD obligations for which the location of performance is not reported. It includes DOD obligations for industry R&D that were included in individual state totals prior to FY 2012 and DOD obligations for other performers that were not reported prior to FY 2011. This change was applied retroactively to FY 2011 data. Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by reporting agencies, corresponding corrections to geographic distributions are rarely obtainable. Geographic distribution of Department of Defense development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D. FYs 2009 and 2010 obligations include additional funding provided by the American Recovery and Reinvestment Act of 2009. See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.