

Table 807. Academic and Industrial Research and Development (R&D) Performed by State: 2007

[In millions of dollars (49,021 represents 49,021,000,000). For definition of Research and Development, see text, this section]

State	Academic R&D (mil. dol.)	Academic R&D per \$1,000 of state GDP	Industry-performed R&D (mil. dol.)	Industry R&D per \$1,000 of state GDP	State	Academic R&D (mil. dol.)	Academic R&D per \$1,000 of state GDP	Industry-performed R&D (mil. dol.)	Industry R&D per \$1,000 of state GDP
U.S.¹	49,021	3.55	269,267	19.50	MO.	941	4.11	2,736	11.95
AL	655	3.98	1,771	² 10.76	MT	179	5.22	134	3.91
AK	160	3.56	58	1.29	NE	365	4.54	489	6.09
AZ	783	3.18	3,846	15.64	NV	192	1.48	567	4.38
AR	240	2.52	339	3.56	NH	307	5.31	1,814	³ 31.37
CA	6,734	3.74	64,187	35.62	NJ	865	1.88	17,892	38.79
CO	873	3.70	5,223	22.15	NM	410	5.45	568	7.55
CT	691	3.26	9,444	44.49	NY	3,964	3.59	10,916	9.88
DE	126	2.05	1,472	23.92	NC	1,885	4.83	6,829	17.49
DC	333	3.60	379	4.10	ND	169	5.93	126	4.42
FL	1,558	2.10	4,569	6.16	OH	1,807	3.91	7,265	15.71
GA	1,389	3.55	2,788	7.13	OK	299	2.19	527	3.86
HI	274	4.42	218	3.52	OR	575	3.63	3,629	³ 22.92
ID	114	2.19	726	13.93	PA	2,438	4.57	10,387	19.48
IL	1,867	3.02	11,362	18.40	RI	230	4.93	411	8.80
IN	894	3.59	4,939	19.82	SC	569	3.75	1,426	9.40
IA	587	4.52	1,202	9.25	SD	82	2.33	132	3.75
KS	376	3.21	1,304	11.15	TN	761	3.10	1,638	6.68
KY	503	3.31	890	5.85	TX	3,417	2.98	13,889	12.09
LA	604	2.91	373	² 1.80	UT	415	3.93	1,764	16.71
ME	137	2.85	265	5.52	VT	115	4.67	413	16.77
MD	2,542	9.61	3,665	13.86	VA	971	2.53	4,840	12.60
MA	2,172	6.17	19,488	55.34	WA	981	3.16	12,687	40.89
MI	1,510	3.97	15,736	41.42	WV	167	2.89	233	4.03
MN	637	2.52	6,636	26.28	WI	1,067	4.57	3,411	14.61
MS	411	4.69	279	3.18	WY	80	2.54	37	² 1.17

¹ National totals for calendar year 2007. Includes \$3.3 billion of industrial R&D expenditures that year that could not be allocated to specific states. ² Estimated, more than 50 percent of the industrial R&D value is imputed due to raking of state data. ³ More than 50 percent of the industrial R&D value is imputed.

Source: National Science Foundation, *National Patterns of R&D Resources*, NSF-10-314, 2010. See also <<http://www.nsf.gov/statistics/nsf10314/>>.

Table 808. Research and Development (R&D) Expenditures in Science and Engineering at Universities and Colleges in Current and Constant (2005) Dollars: 2000 to 2009

[In millions of dollars (30,084 represents \$30,084,000,000). Totals may not add due to rounding]

Characteristic	Current dollars				Constant (2005) dollars ¹			
	2000	2005	2008	2009	2000	2005	2008	2009
Total	30,084	45,799	51,934	54,935	33,844	45,799	47,655	49,746
Basic research ²	22,547	34,368	39,408	40,955	25,365	34,367	36,161	37,087
Applied R&D ²	7,537	11,432	12,526	13,980	8,479	11,432	11,494	12,660
Source of funds:								
Federal government	17,548	29,209	31,281	32,588	19,741	29,209	28,703	29,510
State and local government	2,200	2,940	3,452	3,647	2,475	2,940	3,168	3,303
Institutions' own funds	5,925	8,266	10,408	11,198	6,666	8,266	9,550	10,140
Industry	2,156	2,291	2,865	3,197	2,425	2,291	2,629	2,895
Other	2,255	3,093	3,928	4,305	2,537	3,093	3,604	3,898
Fields:								
Physical sciences	2,713	3,704	3,941	4,294	3,052	3,704	3,616	3,888
Environmental sciences	1,766	2,555	2,806	2,940	1,987	2,555	2,575	2,662
Mathematical sciences	342	495	620	553	384	494	569	501
Computer sciences	877	1,406	1,472	1,592	987	1,406	1,351	1,442
Life sciences	17,471	27,605	31,210	32,791	19,655	27,605	28,638	29,694
Psychology	517	826	929	979	581	826	852	887
Social sciences	1,300	1,685	1,947	2,075	1,462	1,685	1,787	1,879
Other sciences	543	778	1,051	1,060	611	778	964	960
Engineering	4,557	6,746	7,958	8,651	5,127	6,746	7,302	7,834

¹ Based on gross domestic product implicit price deflator (updated February 2011). ² Basic research and applied R&D statistics were re-estimated for FY1998 and forward. These data are not directly comparable to those from earlier years.

Source: U.S. National Science Foundation, *Survey of Research and Development Expenditures at Universities and Colleges*, annual. See also <<http://www.nsf.gov/statistics/srvyrdexpenditures/>>.