

Table A4. Total R&D (All Funds) by State, 2004
(expenditures in millions of U.S. dollars)

Rank	State*	Total R&D 2004	% of U.S. Total	cumulative total
1	California	59,607	20.5%	20.5%
2	Michigan	16,722	5.8%	26.3%
3	Massachusetts	15,987	5.5%	31.8%
4	Maryland	14,341	4.9%	36.7%
5	Texas	14,266	4.9%	41.6%
6	New York	13,113	4.5%	46.1%
7	New Jersey	12,460	4.3%	50.4%
8	Illinois	11,300	3.9%	54.3%
9	Washington	10,936	3.8%	58.1%
10	Pennsylvania	10,813	3.7%	61.8%
11	Connecticut	7,881	2.7%	64.5%
12	Ohio	7,816	2.7%	67.2%
13	Virginia	7,345	2.5%	69.7%
14	North Carolina	6,491	2.2%	71.9%
15	Minnesota	5,992	2.1%	74.0%
16	Colorado	5,497	1.9%	75.9%
17	Florida	5,409	1.9%	77.8%
18	Indiana	5,130	1.8%	79.5%
19	New Mexico	5,114	1.8%	81.3%
20	Wisconsin	3,675	1.3%	82.5%
21	Oregon	3,664	1.3%	83.8%
22	Georgia	3,655	1.3%	85.1%
23	Arizona	3,544	1.2%	86.3%
24	Tennessee	3,180	1.1%	87.4%
25	Missouri	3,038	1.0%	88.4%
26	Alabama	2,760	0.9%	89.4%
27	District of Columbia	2,383	0.8%	90.2%
28	Kansas	2,169	0.7%	90.9%
29	Rhode Island	1,840	0.6%	91.6%
30	New Hampshire	1,665	0.6%	92.1%
31	Iowa	1,625	0.6%	92.7%
32	Utah	1,602	0.6%	93.3%
33	South Carolina	1,599	0.6%	93.8%
34	Delaware	1,182	0.4%	94.2%
35	Idaho	1,006	0.3%	94.6%
36	Kentucky	1,006	0.3%	94.9%
37	Louisiana	972	0.3%	95.2%
38	Oklahoma	814	0.3%	95.5%
39	Nebraska	740	0.3%	95.8%
40	Mississippi	651	0.2%	96.0%
41	Nevada	623	0.2%	96.2%
42	North Dakota	558	0.2%	96.4%
43	Vermont	546	0.2%	96.6%
44	West Virginia	523	0.2%	96.8%
45	Arkansas	514	0.2%	97.0%
46	Hawaii	490	0.2%	97.1%
47	Maine	384	0.1%	97.3%
48	Montana	295	0.1%	97.4%
49	Alaska	271	0.1%	97.4%
50	South Dakota	149	0.1%	97.5%
51	Wyoming	98	0.0%	97.5%
	Other / unknown	7,169	2.5%	
	Total U.S.	290,608	100.0%	

Source: R&D: National Science Foundation, 2007.

* 50 states and District of Columbia. Totals differ from national totals because some R&D expenditures are not allocated by state.

These data differ significantly from the federal R&D data for the following reasons:

1/ data are for calendar year 2004 rather than FY 2004; 2/ data are from performer surveys rather than funding sources; and 3/ data are in expenditures rather than obligations.