

Summary Table 1. Federal R&D by State, Fiscal Year 2001

(obligations or expenditures in millions of U.S. dollars)

	Federal R&D 2001	% of U.S. Total	Rank	Population ('000; 2000)	Rank	R&D per capita (\$)	Rank	Total Federal Expenditures*	Federal R&D / Total Federal *	Rank
by state**:										
Alabama	2,536	3.1%	12	4,464	23	568	6	31,700	8.0%	5
Alaska	213	0.3%	43	635	47	335	13	6,403	3.3%	22
Arizona	1,784	2.2%	15	5,307	20	336	12	30,376	5.9%	12
Arkansas	189	0.2%	44	2,692	33	70	48	16,632	1.1%	46
California	13,221	16.1%	1	34,501	1	383	10	188,517	7.0%	7
Colorado	1,395	1.7%	20	4,418	24	316	15	24,345	5.7%	13
Connecticut	1,433	1.7%	18	3,425	29	418	7	22,742	6.3%	10
Delaware	70	0.1%	49	796	45	88	43	4,246	1.7%	42
District of Columbia	2,632	3.2%	11	572	50	4,604	1	30,941	8.5%	4
Florida	2,828	3.4%	8	16,397	4	173	29	99,998	2.8%	33
Georgia	3,416	4.2%	7	8,384	10	407	9	47,320	7.2%	6
Hawaii	296	0.4%	38	1,224	42	242	17	9,722	3.0%	26
Idaho	228	0.3%	42	1,321	39	172	30	7,529	3.0%	28
Illinois	1,861	2.3%	14	12,482	5	149	35	65,036	2.9%	32
Indiana	553	0.7%	25	6,115	14	90	42	32,166	1.7%	41
Iowa	341	0.4%	34	2,923	30	117	39	17,401	2.0%	38
Kansas	310	0.4%	37	2,695	32	115	40	16,699	1.9%	40
Kentucky	273	0.3%	40	4,066	25	67	49	25,835	1.1%	47
Louisiana	292	0.4%	39	4,465	22	65	51	27,816	1.1%	48
Maine	458	0.6%	28	1,287	40	356	11	8,180	5.6%	14
Maryland	9,398	11.4%	2	5,375	19	1,748	2	48,164	19.5%	1
Massachusetts	4,377	5.3%	4	6,379	13	686	4	44,179	9.9%	3
Michigan	1,193	1.5%	21	9,991	8	119	38	51,632	2.3%	35
Minnesota	908	1.1%	24	4,972	21	183	26	24,935	3.6%	18
Mississippi	433	0.5%	30	2,858	31	152	34	20,212	2.1%	37
Missouri	921	1.1%	23	5,630	17	164	31	39,191	2.3%	34
Montana	144	0.2%	45	904	44	160	32	6,618	2.2%	36
Nebraska	137	0.2%	46	1,713	38	80	44	10,771	1.3%	45
Nevada	310	0.4%	36	2,106	35	147	36	9,624	3.2%	23
New Hampshire	421	0.5%	31	1,259	41	335	14	6,314	6.7%	9
New Jersey	1,631	2.0%	16	8,484	9	192	23	46,240	3.5%	19
New Mexico	2,740	3.3%	9	1,829	36	1,498	3	16,587	16.5%	2
New York	3,474	4.2%	6	19,011	3	183	25	116,366	3.0%	29
North Carolina	1,415	1.7%	19	8,186	11	173	28	44,557	3.2%	24
North Dakota	79	0.1%	48	634	48	125	37	5,948	1.3%	43
Ohio	2,411	2.9%	13	11,374	7	212	19	61,705	3.9%	16
Oklahoma	228	0.3%	41	3,460	28	66	50	22,672	1.0%	50
Oregon	539	0.7%	26	3,473	27	155	33	18,401	2.9%	31
Pennsylvania	2,642	3.2%	10	12,287	6	215	18	79,310	3.3%	21
Rhode Island	439	0.5%	29	1,059	43	414	8	6,989	6.3%	11
South Carolina	321	0.4%	35	4,063	26	79	45	24,675	1.3%	44
South Dakota	55	0.1%	50	757	46	73	47	5,807	1.0%	51
Tennessee	1,133	1.4%	22	5,740	16	197	22	36,758	3.1%	25
Texas	4,347	5.3%	5	21,325	2	204	21	112,530	3.9%	17
Utah	398	0.5%	32	2,270	34	175	27	11,377	3.5%	20
Vermont	113	0.1%	47	613	49	184	24	3,734	3.0%	27
Virginia	4,924	6.0%	3	7,188	12	685	5	71,257	6.9%	8
Washington	1,565	1.9%	17	5,988	15	261	16	36,903	4.2%	15
West Virginia	371	0.5%	33	1,802	37	206	20	12,541	3.0%	30
Wisconsin	499	0.6%	27	5,402	18	92	41	26,645	1.9%	39
Wyoming	37	0.0%	51	494	51	75	46	3,584	1.0%	49
-- Other / unknown	168	0.2%						39,055		
Total U.S.	82,104	100.0%		284,797		288		1,778,884	4.6%	

Source: Federal R&D: National Science Foundation, *Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003*, 2003; Population: U.S. Bureau of the Census; Federal Expenditures: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year 2001, 2002*. R&D data are for the 10 largest R&D supporting agencies only.

* expenditures. Ratio compares R&D obligations to total expenditures.

** 50 states and District of Columbia.

R&D = conduct of R&D and R&D plant (facilities and capital equipment).