

Summary Table 1. Federal R&D by State, Fiscal Year 2005

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

	Federal R&D		% of		Population		R&D per		Total Federal Expenditures*	Federal R&D /	
	2005	U.S. Total	Rank	('000; 2005)	Rank	capita (\$)	Rank	Total Federal *		Rank	
by state:											
Alabama	2,827	2.6%	11	4,558	23	620	8	42,061	6.7%	11	
Alaska	249	0.2%	41	664	47	376	15	9,230	2.7%	29	
Arizona	2,681	2.4%	12	5,939	17	451	12	44,639	6.0%	12	
Arkansas	155	0.1%	46	2,779	32	56	51	20,387	0.8%	50	
California	20,352	18.4%	1	36,132	1	563	9	242,023	8.4%	6	
Colorado	2,126	1.9%	18	4,665	22	456	11	31,173	6.8%	10	
Connecticut	2,241	2.0%	17	3,510	29	638	7	30,774	7.3%	8	
Delaware	95	0.1%	49	844	45	112	40	5,495	1.7%	37	
District of Columbia	4,027	3.6%	8	551	50	7,314	1	37,859	10.6%	3	
Florida	2,305	2.1%	16	17,790	4	130	38	134,544	1.7%	38	
Georgia	1,806	1.6%	20	9,073	9	199	28	59,846	3.0%	27	
Hawaii	428	0.4%	34	1,275	42	336	16	12,699	3.4%	21	
Idaho	296	0.3%	38	1,429	39	207	27	9,598	3.1%	24	
Illinois	2,087	1.9%	19	12,763	5	164	32	80,778	2.6%	30	
Indiana	558	0.5%	30	6,272	15	89	45	42,347	1.3%	43	
Iowa	480	0.4%	31	2,966	30	162	33	20,345	2.4%	33	
Kansas	208	0.2%	43	2,745	33	76	47	20,492	1.0%	46	
Kentucky	288	0.3%	39	4,173	26	69	49	34,653	0.8%	49	
Louisiana	417	0.4%	35	4,524	24	92	44	39,628	1.1%	45	
Maine	244	0.2%	42	1,322	40	184	30	11,356	2.1%	35	
Maryland	12,727	11.5%	2	5,600	19	2,272	2	66,720	19.1%	1	
Massachusetts	5,792	5.2%	4	6,399	13	905	5	55,830	10.4%	4	
Michigan	1,109	1.0%	23	10,121	8	110	41	64,787	1.7%	39	
Minnesota	763	0.7%	26	5,133	21	149	37	31,067	2.5%	32	
Mississippi	435	0.4%	32	2,921	31	149	36	26,181	1.7%	40	
Missouri	4,052	3.7%	7	5,800	18	699	6	48,273	8.4%	7	
Montana	183	0.2%	44	936	44	196	29	7,814	2.3%	34	
Nebraska	145	0.1%	47	1,759	38	83	46	12,785	1.1%	44	
Nevada	390	0.4%	36	2,415	35	161	34	14,089	2.8%	28	
New Hampshire	368	0.3%	37	1,310	41	281	18	8,334	4.4%	16	
New Jersey	2,395	2.2%	15	8,718	10	275	20	58,617	4.1%	17	
New Mexico	3,463	3.1%	9	1,928	36	1,796	3	20,604	16.8%	2	
New York	5,053	4.6%	6	19,255	3	262	21	144,876	3.5%	20	
North Carolina	1,800	1.6%	21	8,683	11	207	26	59,162	3.0%	26	
North Dakota	109	0.1%	48	637	48	172	31	6,608	1.7%	41	
Ohio	2,396	2.2%	14	11,464	7	209	25	77,881	3.1%	25	
Oklahoma	258	0.2%	40	3,548	28	73	48	27,637	0.9%	48	
Oregon	562	0.5%	29	3,641	27	154	35	22,792	2.5%	31	
Pennsylvania	3,259	2.9%	10	12,430	6	262	22	99,503	3.3%	22	
Rhode Island	575	0.5%	28	1,076	43	534	10	8,423	6.8%	9	
South Carolina	429	0.4%	33	4,255	25	101	42	32,044	1.3%	42	
South Dakota	72	0.1%	50	776	46	93	43	7,481	1.0%	47	
Tennessee	1,492	1.3%	22	5,963	16	250	23	48,288	3.1%	23	
Texas	5,475	4.9%	5	22,860	2	240	24	148,683	3.7%	19	
Utah	818	0.7%	24	2,470	34	331	17	14,823	5.5%	13	
Vermont	171	0.2%	45	623	49	275	19	4,645	3.7%	18	
Virginia	8,385	7.6%	3	7,567	12	1,108	4	95,097	8.8%	5	
Washington	2,422	2.2%	13	6,288	14	385	14	46,338	5.2%	14	
West Virginia	783	0.7%	25	1,817	37	431	13	16,087	4.9%	15	
Wisconsin	706	0.6%	27	5,536	20	128	39	33,749	2.1%	36	
Wyoming	34	0.0%	51	509	51	68	50	4,782	0.7%	51	
-- Other	245	0.2%						40,837			
Total U.S.	110,736	100.0%		296,410		374		2,284,760	4.8%		

Source: Federal R&D: National Science Foundation, *Federal Funds for Research and Development: Fiscal Years 2005, 2006, and 2007*, 2008; Population: U.S. Bureau of the Census; Federal Expenditures: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year 2005, 2006*. R&D data are for the 11 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).