

Table 6. 'State R&D expenditures, by performing sector and source of funds: 1997

Performing sector:		Total R&D	Federal Govt.	Industry 1/			Universities & colleges						U&C FFRDCs	Other nonprofit institutions	Nonprofit FFRDCs
Funding sector:		Total R&D	Federal Govt.	Total	Federal Govt. 1/	Industry 2/	Total	Federal Govt.	Non-fed. Govt.	Industry	U&Cs	Nonprofits	Federal Govt. 3/	Federal Govt. 4/	Federal Govt. 4/
Rank		(Millions of current dollars) 5/													
United States, total		211,268	16,814	157,539	23,928	133,611	25,001	14,849	1,940	1,773	4,686	1,754	5,466	3,036	820
Alabama	25	1,637	660	589	189	399	369	231	5	30	85	18	0	19	0
Alaska	48	136	38	24	D	D	71	28	4	13	26	0	0	2	0
Arizona	21	2,410	144	1,854	677	1,177	377	198	10	19	137	13	29	6	0
Arkansas	45	272	49	118	D	D	102	35	29	8	24	6	0	2	0
California	1	41,670	1,454	34,011	5,977	28,034	2,979	2,028	129	160	440	221	2,549	474	203
Colorado	17	3,205	195	2,248	525	1,723	427	290	27	24	50	37	136	50	148
Connecticut	16	3,454	33	3,014	307	2,707	393	242	14	25	76	35	0	15	0
Delaware	31	1,089	10	1,009	8	1,001	65	32	3	3	20	7	0	4	0
District of Columbia	20	2,768	1,733	645	D	D	214	154	1	18	24	16	0	176	0
Florida	12	4,784	649	3,442	1,461	1,981	682	334	89	48	176	34	0	11	0
Georgia	22	2,272	225	1,273	212	1,062	766	347	69	73	252	24	0	7	0
Hawaii	44	275	54	87	55	32	120	72	28	6	13	0	0	13	0
Idaho	30	1,270	24	1,181	D	D	64	18	22	9	15	0	0	0	0
Illinois	8	8,034	77	6,248	163	6,085	930	530	54	50	220	75	725	54	0
Indiana	18	3,149	68	2,677	D	D	400	209	24	33	114	20	0	4	0
Iowa	34	980	29	578	D	D	342	162	53	24	84	19	28	3	0
Kansas	29	1,351	16	1,136	D	D	198	75	45	12	57	9	0	1	0
Kentucky	38	526	7	359	3	356	158	76	7	20	53	2	0	1	0
Louisiana	37	554	48	172	D	D	330	128	75	32	78	17	0	4	0
Maine	47	149	6	83	D	D	33	15	2	6	11	0	0	27	0
Maryland	10	7,395	4,569	1,425	456	970	1,242	927	81	40	114	80	0	155	4
Massachusetts	5	11,097	361	8,300	1,397	6,903	1,268	915	29	103	125	96	353	652	163
Michigan	2	13,991	108	13,009	121	12,888	842	454	51	57	206	75	0	32	0
Minnesota	15	3,605	35	3,116	362	2,754	363	200	51	24	54	34	0	92	0
Mississippi	41	370	165	73	D	D	125	62	29	9	14	10	0	7	0
Missouri	24	1,826	51	1,290	30	1,260	465	261	24	37	111	32	0	21	0
Montana	46	199	33	92	D	D	71	31	14	8	16	1	0	4	0
Nebraska	43	275	24	71	D	D	176	60	47	14	49	5	0	5	0
Nevada	39	517	46	380	D	D	88	44	4	5	31	4	0	2	0
New Hampshire	35	799	37	652	D	D	108	67	8	5	15	12	0	2	0
New Jersey	4	12,067	459	11,069	117	10,952	462	224	37	26	140	35	59	16	2
New Mexico	19	3,028	366	1,310	D	D	219	145	15	10	42	7	1,122	10	0
New York	3	12,307	136	9,939	2,078	7,861	1,784	1,152	80	96	245	211	239	209	0
North Carolina	13	4,667	230	3,590	111	3,478	786	439	116	96	106	29	0	61	0
North Dakota	49	116	26	33	0	33	56	24	1	3	26	2	0	0	0
Ohio	11	7,145	681	5,608	604	5,004	764	418	70	83	144	49	0	92	0
Oklahoma	36	644	44	428	45	383	163	71	19	14	45	13	0	9	0
Oregon	27	1,520	90	1,102	28	1,075	291	195	32	10	36	18	0	37	0
Pennsylvania	7	8,209	151	6,609	672	5,937	1,241	808	42	139	183	70	32	175	0
Rhode Island	32	1,040	202	704	D	D	112	79	1	2	27	3	0	22	0
South Carolina	33	1,040	34	783	83	700	219	103	21	9	66	21	0	4	0
South Dakota	51	71	19	26	0	26	25	11	8	1	3	1	0	2	0
Tennessee	26	1,566	78	1,089	D	D	330	199	38	17	53	23	44	26	0
Texas	6	9,487	560	7,265	784	6,481	1,581	845	170	132	270	164	0	80	1
Utah	28	1,381	117	1,027	199	829	234	158	18	14	36	8	0	3	0
Vermont	42	314	7	246	D	D	60	34	3	5	11	6	0	1	0
Virginia	14	4,136	1,655	1,767	851	916	455	270	47	40	74	24	80	37	143
Washington	9	7,543	167	6,610	D	D	508	366	15	41	69	17	0	115	144
West Virginia	40	427	87	233	D	D	64	30	2	4	23	5	33	11	0
Wisconsin	23	2,256	43	1,707	29	1,678	497	284	41	19	98	56	0	9	0
Wyoming	50	87	9	28	0	28	48	15	6	2	24	1	0	2	0
Other/unknown		12,161	704	7,210	6,384	18,898	1,338	753	129	92	276	87	38	269	11

1/ Includes performance at industry FFRDCs.

2/ Industry sources of industry R&D expenditures include all non-federal sources of industry R&D expenditures.

3/ Includes total R&D expenditures of FFRDCs administered by academic institutions.

4/ Other sources of support for nonprofit institutions were unavailable.

5/ Industry R&D data are in reference to calendar years; other R&D data are in reference to fiscal years but may serve as approximations to calendar year data.

KEY: FFRDCs = federally funded research and development centers
 U&Cs = universities and colleges
 D = Data withheld to avoid disclosing operations of individual companies.

SOURCES: National Science Foundation/SRS. Data were derived from NSF/SRS, *Research and Development in Industry: 1997*; NSF/SRS, *Academic Research and Development Expenditures: Fiscal Year 1997*; and NSF/SRS, *Federal Funds for Research and Development: Fiscal Years 1997, 1998, and 1999*.