

R&D expenditures, by state, performing sector, and funding sector: 2004

(Millions of current dollars)

State	Performing sector:		Federal					Industry			U&C ^a				Other nonprofit institutions	
	Funding sector:	R&D rank	Federal	FFRDCs		Non-federal ^b	Total	Federal	Industry ^c	Total	Federal	Other			Federal ^d	
				Total	Federal							Other government	Industry	U&C		Nonprofit
All states ^e	283,439	na	21,438	12,704	12,351	353	201,131	20,655	176,180	42,832	27,294	2,836	2,103	7,760	2,839	5,335
Alabama	2,760	26	911	0	0	0	1,227	583	644	571	417	9	16	107	22	51
Alaska	271	49	81	0	0	0	35	8	28	147	83	3	17	41	3	9
Arizona	3,544	23	263	43	43	0	2,570	245	2,325	651	377	25	39	187	24	17
Arkansas	514	45	41	0	0	0	287	27	259	183	94	45	10	25	8	4
California	59,607	1	2,572	3,759	3,660	99	46,614	3,980	42,634	5,714	3,561	269	243	1,049	593	948
Colorado	5,497	16	277	381	374	7	4,008	118	3,890	772	605	24	36	71	36	58
Connecticut	7,881	11	30	0	0	0	7,177	1,717	5,460	650	469	7	25	82	67	25
Delaware	1,182	34	3	0	0	0	1,059	14	1,045	114	81	4	3	23	4	5
District of Columbia	2,383	27	1,641	4	4	0	182	68	114	303	240	4	8	17	35	253
Florida	5,409	17	554	0	0	0	3,486	1,270	2,216	1,307	747	200	72	237	51	62
Georgia	3,655	22	251	0	0	0	2,160	58	2,102	1,221	699	84	68	335	36	22
Hawaii	490	46	80	0	0	0	131	52	78	241	191	9	21	20	0	38
Idaho	1,006	35	27	180	168	13	681	11	670	117	65	21	5	24	2	1
Illinois	11,300	8	120	839	792	47	8,554	267	8,286	1,708	1,066	72	53	417	100	79
Indiana	5,130	18	77	0	0	0	4,208	232	3,976	841	365	54	55	311	56	5
Iowa	1,625	31	47	27	27	0	963	7	956	532	306	51	30	131	15	56
Kansas	2,169	28	31	0	0	0	1,804	D	D	333	171	46	9	93	14	2
Kentucky	1,006	36	11	0	0	0	565	11	554	424	195	53	10	126	40	6
Louisiana	972	37	90	0	0	0	311	19	293	568	239	114	29	135	50	4
Maine	384	47	11	0	0	0	213	D	D	87	39	11	4	31	3	74
Maryland	14,341	4	7,692	335	335	0	3,826	1,286	2,540	2,269	1,710	61	94	286	118	218
Massachusetts	15,987	3	368	595	589	6	11,819	2,331	9,488	2,000	1,581	42	122	107	149	1,205
Michigan	16,722	2	110	0	0	0	15,170	204	14,966	1,397	821	84	61	353	78	45
Minnesota	5,992	15	51	0	0	0	5,199	261	4,938	524	314	53	22	74	61	218
Mississippi	651	40	138	0	0	0	160	D	D	348	211	53	10	69	6	6
Missouri	3,038	25	32	0	0	0	2,151	84	2,067	842	543	37	29	191	42	14
Montana	295	48	62	0	0	0	70	3	67	155	97	21	6	29	1	9
Nebraska	740	39	27	0	0	0	383	6	377	325	130	12	21	142	20	6
Nevada	623	41	36	0	0	0	417	23	394	164	105	12	7	37	3	6
New Hampshire	1,665	30	55	0	0	0	1,330	D	D	277	191	7	11	48	20	3
New Jersey	12,460	7	563	75	75	1	10,993	294	10,699	806	420	59	35	219	74	24
New Mexico	5,114	19	417	3,927	3,867	61	450	176	275	304	204	13	14	64	9	17
New York	13,113	6	150	450	432	18	8,793	721	8,071	3,366	2,225	197	146	529	269	354
North Carolina	6,491	14	394	0	0	0	4,565	87	4,478	1,443	933	124	152	191	43	90
North Dakota	558	42	26	0	0	0	379	2	377	152	82	29	6	31	5	1
Ohio	7,816	12	751	0	0	0	5,516	395	5,121	1,318	848	109	73	230	59	231
Oklahoma	814	38	89	0	0	0	410	22	387	283	141	34	15	78	16	31

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				Total	Federal						Other government	Industry	U&C		Nonprofit	
Oregon	3,664	21	65	0	0	0	3,057	20	3,036	505	371	37	14	61	21	37
Pennsylvania	10,813	10	171	58	56	2	8,005	160	7,845	2,206	1,595	99	155	227	130	373
Rhode Island.....	1,840	29	260	0	0	0	1,320	D	D	192	133	7	4	43	5	68
South Carolina.....	1,599	33	54	94	94	0	961	37	924	456	245	19	23	155	13	34
South Dakota.....	149	50	16	0	0	0	72	3	69	57	38	11	1	6	2	4
Tennessee	3,180	24	50	776	750	26	1,630	322	1,308	658	436	54	20	112	36	67
Texas.....	14,266	5	260	17	15	1	10,992	610	10,382	2,881	1,647	355	162	411	305	117
Utah	1,602	32	95	0	0	0	1,089	174	915	414	286	25	10	67	27	4
Vermont.....	546	43	4	0	0	0	423	34	389	116	80	5	7	16	7	4
Virginia.....	7,345	13	1,976	406	398	9	4,006	1,499	2,507	849	527	85	51	138	48	109
Washington	10,936	9	222	693	629	64	8,840	146	8,694	897	706	41	50	71	29	285
West Virginia.....	523	44	131	42	42	0	202	D	D	130	80	5	4	39	3	18
Wisconsin.....	3,675	20	56	0	0	0	2,645	47	2,598	956	563	41	22	247	82	18
Wyoming	98	51	8	0	0	0	23	3	21	60	23	2	3	29	3	6
Other and unknown ^f	7,169	na	0	0	0	0	7,169	44	7,125	0	0	0	0	0	0	0

na = not applicable; D = suppressed to avoid disclosure of confidential information

FFRDC = federally funded research and development center; U&C = universities and colleges

^aState-level university R&D data not adjusted to eliminate double counting of funds passed through from one academic institution to another. At national level, funds passed through to educational subrecipients account for 2.9% of total R&D expenditures reported by universities and colleges in FY 2004.

^bNonfederal sources of R&D expenditures reported by FFRDCs in FY 2004 included state and local governments (\$37 million), industry (\$134 million), FFRDC institutional funds (\$34 million), and other sources (\$149 million).

^cIndustry sources of industry R&D expenditures include all nonfederal sources of industry R&D expenditures.

^dOther sources of support for nonprofit institutions unavailable by state. For 2004, total nonprofit performance is estimated at \$12.8 billion. Industry provided estimated \$1.2 billion to nonprofit sector, and nonprofit institutions provided estimated \$6.0 billion.

^eState totals differ from U.S. totals reported elsewhere for four reasons: some R&D expenditures cannot be allocated to 1 of 50 states or District of Columbia; nonfederal sources of nonprofit R&D expenditures, totaling an estimated \$7.1 billion in 2004, could not be allocated by state; state-level university R&D data not adjusted to eliminate double counting of funds passed through from one academic institution to another; and state R&D data not converted from fiscal years to calendar years.

^fOther and unknown category is reported data that could not be assigned to 1 of 50 states or District of Columbia.

NOTE: Industry R&D data for calendar years; other R&D data for fiscal years but may serve as approximations to calendar-year data.

SOURCES: National Science Foundation, Division of Science Resources Statistics, Survey of Industrial Research and Development (2004); Survey of Research and Development Expenditures at Universities and Colleges: FY 2004; and Survey of Federal Funds for Research and Development: FY 2004.