Table 8-27
Federal R&D obligations per civilian worker, by state: 1992, 1997, and 2002

State	Federal R&D obligations ($ millions)			Civilian workers			Federal R&D obligations/ civilian worker ($)		
	1992	1997	2002	1992	1997	2002	1992	1997	2002
United States	63,818	68,363	83,629	118,984,370	130,988,267	136,716,756	536	522	612
Alabama	2,152	2,214	2,705	1,809,337	2,035,156	1,996,920	1,189	1,088	1,354
Alaska	93	100	274	262,980	289,963	302,622	354	345	905
Arizona	638	732	2,057	1,753,764	2,196,901	2,494,153	364	333	825
Arkansas	69	95	141	1,073,382	1,177,143	1,205,232	64	81	117
California	15,999	13,731	15,686	13,874,246	14,780,791	16,165,052	1,153	929	970
Colorado	1,479	1,340	1,609	1,744,235	2,154,294	2,300,065	848	622	700
Connecticut	578	847	1,917	1,693,563	1,674,937	1,706,066	341	505	1,124
Delaware	43	49	79	347,194	378,117	403,017	124	130	196
District of Columbia	2,185	2,232	2,850	290,103	262,789	280,302	7,532	8,495	10,166
Florida	2,832	3,326	2,301	6,133,417	7,040,660	7,615,730	462	472	302
Georgia	2,513	3,920	2,019	3,182,777	3,751,699	4,100,119	789	1,045	492
Hawaii	151	151	375	551,563	566,766	584,054	273	266	642
Idaho	300	206	231	493,767	598,004	645,958	607	344	357
Illinois	922	1,140	1,694	5,546,722	5,988,296	5,961,248	166	190	284
Indiana	367	410	526	2,703,403	3,014,499	2,989,544	136	136	176
Iowa	195	228	405	1,441,414	1,555,837	1,573,701	135	147	257
Kansas	91	256	291	1,244,438	1,329,797	1,351,738	73	192	215
Kentucky	72	91	321	1,658,511	1,809,785	1,838,151	43	50	175
Louisiana	170	211	432	1,787,541	1,890,102	1,902,957	95	112	227
Maine	61	69	255	594,082	624,410	654,522	102	110	389
Maryland	5,780	7,329	7,192	2,484,910	2,646,200	2,735,130	2,326	2,770	2,630
Massachusetts	3,228	3,438	4,659	2,899,718	3,158,851	3,247,094	1,113	1,088	1,435
Michigan	876	735	1,244	4,234,783	4,748,691	4,724,036	207	155	263
Minnesota	456	609	1,151	2,341,011	2,605,673	2,767,058	195	234	416
Mississippi	256	290	623	1,097,672	1,200,845	1,219,060	233	241	511
Missouri	734	1,130	1,203	2,502,779	2,780,185	2,837,544	293	406	424
Montana	72	79	113	390,362	427,504	448,459	183	185	252
Nebraska	71	83	145	817,915	904,492	923,620	87	92	157
Nevada	466	295	336	677,076	895,258	1,061,900	688	330	316
New Hampshire	156	279	297	568,909	635,469	681,509	274	439	435
New Jersey	1,647	1,319	2,022	3,709,471	4,031,022	4,117,644	444	327	491
New Mexico	2,211	1,933	2,746	680,463	768,596	827,533	3,250	2,515	3,318
New York	3,059	2,471	3,747	7,979,726	8,416,544	8,732,103	383	294	429
North Carolina	701	900	1,390	3,372,068	3,809,601	3,921,819	208	236	355
North Dakota	54	53	102	305,056	335,854	336,430	178	158	303
Ohio	1,863	1,880	2,103	5,072,649	5,448,161	5,500,016	367	345	382
Oklahoma	126	160	272	1,432,081	1,543,105	1,612,228	88	104	168
Oregon	227	320	502	1,448,017	1,652,997	1,699,742	156	193	296
Pennsylvania	1,794	1,894	3,162	5,455,450	5,775,178	5,897,438	329	328	536
Rhode Island	386	404	501	483,329	504,147	527,991	799	801	949
South Carolina	172	167	371	1,673,620	1,819,508	1,849,036	103	92	201
South Dakota	24	42	59	345,996	383,216	404,090	69	110	145
Tennessee	666	566	961	2,316,661	2,640,005	2,733,702	287	214	352
Texas	2,873	3,640	3,374	8,307,176	9,395,279	10,065,924	346	387	335
Utah	314	320	409	845,398	1,034,429	1,107,379	371	309	369
Vermont	51	50	136	292,288	315,806	333,703	176	158	409
Virginia	3,231	4,850	5,756	3,146,997	3,323,266	3,560,462	1,027	1,459	1,617
Washington	901	1,226	1,999	2,445,866	2,822,223	2,881,443	368	434	694
West Virginia	166	193	254	689,628	746,442	753,108	241	259	338
Wisconsin	308	332	595	2,556,294	2,855,830	2,877,047	120	116	207
Wyoming	41	28	40	224,562	243,944	261,357	184	116	152
Puerto Rico	NA	59	135	991,960	1,132,658	1,169,760	NA	52	116

NA = not available

NOTES: Only the following 10 agencies were required to report federal R&D obligations: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. These obligations represent approximately 98% of total federal R&D obligations in FY 1992, 1997, and 2002. Civilian workers represent employed component of civilian labor force and are reported as annual data, not seasonally adjusted.

SOURCES: National Science Foundation, Division of Science Resources Statistics, *Federal Funds for Research and Development,* various years; and U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics.

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