

Técnicos de Comercio Exterior de la Comunidad de Madrid

Difusión del Sistema Regional de Innovación madri+d

Anexos al Informe sobre I+D+i EN FLORIDA (EEUU) para el Programa IBEROAMÉRICA



I+D+i EN EL ESTADO DE FLORIDA (EEUU)

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ANEXO 1

Table 1A. National expenditures for R&D, by performing sector and source of funding: 1993-2002

(See the historical database provided in Table D for the full series of historical data, arranged by the same data columns as defined in this and other tables.)

Performing sector:	Total U.S.	Federal Govt.	Industry			Industry FFRDCs	Universities & colleges ¹						U&C FFRDCs	Other nonprofit institutions				Nonprofit FFRDCs ²
Funding sector:	Total U.S.	Federal Govt.	Total	Federal Govt. ³	Industry ⁴	Federal Govt. ³	Total	Federal Govt.	Nonfed. govt. ⁵	Industry	U&C	Non-profits	Federal Govt. ⁶	Total	Federal Govt. ³	Industry	Non-profits	Federal Govt. ³
Data column	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
Calendar year ⁷	Millions of current dollars																	
1993,.....	165.716	16.531	115.435	20.844	94.591	1.965	20.487	12.301	1.557	1.391	3.708	1.530	5.283	5.267	2.843	567	1.857	749
1994,.....	169.217	16.355	117.392	20.261	97.131	2.202	21.594	12.987	1.622	1.456	3.937	1.594	5.317	5.599	2.911	617	2.071	758
1995,.....	183.614	16.904	129.830	21.178	108.652	2.273	22.602	13.582	1.750	1.547	4.108	1.616	5.372	5.827	2.847	671	2.308	808
1996,.....	197.344	16.585	142.371	21.356	121.015	2.297	23.701	14.072	1.860	1.671	4.433	1.665	5.410	6.209	2.906	730	2.574	772
1997,.....	212.156	16.819	155.409	21.798	133.611	2.130	24.865	14.516	1.921	1.807	4.836	1.785	5.486	6.626	3.014	809	2.804	821
1998,.....	226.367	17.362	167.102	22.086	145.016	2.078	26.162	15.146	1.973	1.951	5.170	1.923	5.588	7.232	3.281	880	3.071	843
1999,.....	243.562	17.851	180.390	20.214	160.176	2.321	28.157	16.215	2.101	2.094	5.628	2.118	5.660	8.191	3.761	975	3.455	993
2000,.....	264.616	17.469	197.861	17.440	180.421	1.678	30.974	17.975	2.257	2.201	6.210	2.331	5.801	9.368	4.380	1.103	3.886	1.465
2001 prelim,....	281.767	19.130	208.068	18.625	189.442	1.888	34.175	20.179	2.387	2.272	6.830	2.508	5.940	10.413	5.005	1.160	4.249	2.153
2002 prelim,....	291.663	21.566	210.848	20.933	189.915	2.268	37.491	22.531	2.473	2.342	7.459	2.686	6.059	11.310	5.525	1.163	4.622	2.121
Data column	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34]	[35]	[36]
Calendar year ⁷	Millions of constant 1996 dollars																	
1993,.....	176.200	17.576	122.738	22.163	100.575	2.089	21.783	13.079	1.655	1.479	3.943	1.627	5.617	5.601	3.023	603	1.975	796
1994,.....	176.249	17.035	122.271	21.103	101.168	2.294	22.491	13.527	1.689	1.516	4.100	1.660	5.538	5.831	3.032	642	2.157	790
1995,.....	187.170	17.231	132.345	21.588	110.756	2.317	23.039	13.845	1.784	1.577	4.187	1.647	5.476	5.940	2.902	684	2.353	823
1996,.....	197.344	16.585	142.371	21.356	121.015	2.297	23.701	14.072	1.860	1.671	4.433	1.665	5.410	6.209	2.906	730	2.574	772
1997,.....	208.098	16.497	152.436	21.381	131.055	2.089	24.390	14.238	1.885	1.773	4.743	1.751	5.381	6.500	2.956	793	2.750	805
1998,.....	219.340	16.823	161.915	21.400	140.514	2.013	25.350	14.676	1.911	1.890	5.010	1.863	5.414	7.007	3.179	853	2.976	817
1999,.....	232.654	17.052	172.311	19.309	153.002	2.217	26.896	15.489	2.007	2.001	5.376	2.023	5.406	7.824	3.592	931	3.301	948
2000,.....	247.561	16.343	185.108	16.316	168.792	1.570	28.978	16.816	2.112	2.059	5.809	2.181	5.427	8.765	4.098	1.032	3.635	1.371
2001 prelim,....	257.520	17.484	190.163	17.023	173.140	1.725	31.234	18.443	2.181	2.076	6.242	2.292	5.429	9.517	4.574	1.060	3.883	1.968
2002 prelim,....	263.617	19.493	190.573	18.920	171.653	2.050	33.886	20.365	2.235	2.117	6.741	2.428	5.476	10.222	4.994	1.051	4.177	1.917

¹ Adjustments have been made to university R&D for 1998 and later years to eliminate double counting of funds passed through from one academic institution to another. Data for 1998 and later years are not directly comparable to data for 1997 and earlier years. For fiscal year 1998, \$479 million in passthrough funds were reported. For fiscal year 2002, \$881 million in passthrough funds are estimated.

² Beginning in 2001, data for nonprofit FFRDCs are reported by the FFRDCs. In prior years, the data were collected from the Federal agencies supporting the FFRDCs.

³ In the historical database (table D), expenditures of industry FFRDCs for 1953-54 were not separated from total Federal support to the industrial sector. Thus, the figure for Federal support to industry includes support to FFRDCs for those years. The same is true for expenditures of nonprofit FFRDCs, which are included in Federal support for nonprofit institutions in 1953-63.

⁴ Industry sources of industry R&D expenditures include all non-Federal sources of industry R&D expenditures.

⁵ Because of limitations in the survey information, data on nonfederal government funding to other performers are not available and are consequently included in other sectors' support for their own R&D performance. For example, nonfederal government support to nonprofits is included in nonprofits' support for their own R&D.

⁶ Includes all R&D expenditures of FFRDCs administered by academic institutions.

⁷ Expenditure levels for academic and Federal government performers are also in reference to calendar years. These levels are approximations based on fiscal-year data. For Federal government expenditures starting in 1977, the calendar-year approximation is equal to 75 percent of the amount reported in the same fiscal year plus 25 percent of the amount reported in the subsequent fiscal year. For academic expenditures in all years and for Federal government expenditures prior to 1977 the respective percentages are 50 and 50, because those fiscal years (for most academic institutions and the Federal government before 1977) begin on July 1 instead of October 1.

KEY: FFRDCs=federally funded research and development centers; U&C=universities and colleges

NOTES: Technical notes explaining methodological issues of measurement will be provided in NSF, *The Methodology Underlying the Measurement of R&D Expenditures: 2002* (forthcoming). Data are based on annual reports by performers except for the nonprofit sector. Data are preliminary for 2001 and 2002. For trend comparisons, use only the historical data reported here. These tables incorporate the latest revisions to prior-year data, including recently revised estimates of R&D performance by nonprofit organizations. Do not use data published earlier.

SOURCES: National Science Foundation/Division of Science Resources Statistics. Data were derived from NSF/SRS, *Research and Development in Industry 2000*; NSF/SRS, *Academic Research and Development Expenditures: Fiscal Year 2000*; NSF/SRS, *Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002*; and NSF/SRS *Survey of R&D Funding & Performance by Nonprofit Organizations: Fiscal Years 1996 and 1997*.

ANEXO 2

Table 1B. National expenditures for R&D, from funding sectors to performing sectors: 1993-2002

(See the historical database provided in Table D for the full series of historical data, arranged by the same data columns as defined in this and other tables.)

Funding sector:	Total U.S.	Federal Government								Industry				U&C	Nonprofits			Nonfed. gov. ¹
Performing sector	Total U.S.	Total	Federal Govt.	Industry ²	Industry FFRDCs ²	U&C ³	U&C FFRDCs ⁴	Non-profits ²	Nonprofit FFRDCs ^{2,5}	Total	Industry ⁶	U&C ³	Non-profits	U&C ³	Total	Non-profits	U&C ³	U&C ³
Data column	[1]	[37]	[2]	[4]	[6]	[8]	[13]	[15]	[18]	[38]	[5]	[10]	[16]	[11]	[39]	[17]	[12]	[9]
Calendar year ⁷	Millions of current dollars																	
1993,.....	165.716	60.516	16.531	20.844	1.965	12.301	5.283	2.843	749	96.549	94.591	1.391	567	3.708	3.387	1.857	1.530	1.557
1994,.....	169.217	60.792	16.355	20.261	2.202	12.987	5.317	2.911	758	99.203	97.131	1.456	617	3.937	3.664	2.071	1.594	1.622
1995,.....	183.614	62.963	16.904	21.178	2.273	13.582	5.372	2.847	808	110.870	108.652	1.547	671	4.108	3.924	2.308	1.616	1.750
1996,.....	197.344	63.397	16.585	21.356	2.297	14.072	5.410	2.906	772	123.416	121.015	1.671	730	4.433	4.238	2.574	1.665	1.860
1997,.....	212.156	64.583	16.819	21.798	2.130	14.516	5.486	3.014	821	136.227	133.611	1.807	809	4.836	4.589	2.804	1.785	1.921
1998,.....	226.367	66.383	17.362	22.086	2.078	15.146	5.588	3.281	843	147.847	145.016	1.951	880	5.170	4.994	3.071	1.923	1.973
1999,.....	243.562	67.014	17.851	20.214	2.321	16.215	5.660	3.761	993	163.245	160.176	2.094	975	5.628	5.573	3.455	2.118	2.101
2000,.....	264.616	66.208	17.469	17.440	1.678	17.975	5.801	4.380	1.465	183.724	180.421	2.201	1.103	6.210	6.217	3.886	2.331	2.257
2001 prelim,....	281.767	72.920	19.130	18.625	1.888	20.179	5.940	5.005	2.153	192.873	189.442	2.272	1.160	6.830	6.757	4.249	2.508	2.387
2002 prelim,....	291.663	81.004	21.566	20.933	2.268	22.531	6.059	5.525	2.121	193.420	189.915	2.342	1.163	7.459	7.308	4.622	2.686	2.473
Data column	[19]	[40]	[20]	[22]	[24]	[26]	[31]	[33]	[36]	[41]	[23]	[28]	[34]	[29]	[42]	[35]	[30]	[27]
Calendar year ⁷	Millions of constant 1996 dollars																	
1993,.....	176.200	64.344	17.576	22.163	2.089	13.079	5.617	3.023	796	102.657	100.575	1.479	603	3.943	3.601	1.975	1.627	1.655
1994,.....	176.249	63.318	17.035	21.103	2.294	13.527	5.538	3.032	790	103.326	101.168	1.516	642	4.100	3.816	2.157	1.660	1.689
1995,.....	187.170	64.182	17.231	21.588	2.317	13.845	5.476	2.902	823	113.017	110.756	1.577	684	4.187	4.000	2.353	1.647	1.784
1996,.....	197.344	63.397	16.585	21.356	2.297	14.072	5.410	2.906	772	123.416	121.015	1.671	730	4.433	4.238	2.574	1.665	1.860
1997,.....	208.098	63.348	16.497	21.381	2.089	14.238	5.381	2.956	805	133.622	131.055	1.773	793	4.743	4.501	2.750	1.751	1.885
1998,.....	219.340	64.322	16.823	21.400	2.013	14.676	5.414	3.179	817	143.257	140.514	1.890	853	5.010	4.839	2.976	1.863	1.911
1999,.....	232.654	64.013	17.052	19.309	2.217	15.489	5.406	3.592	948	155.934	153.002	2.001	931	5.376	5.323	3.301	2.023	2.007
2000,.....	247.561	61.940	16.343	16.316	1.570	16.816	5.427	4.098	1.371	171.883	168.792	2.059	1.032	5.809	5.817	3.635	2.181	2.112
2001 prelim,....	257.520	66.645	17.484	17.023	1.725	18.443	5.429	4.574	1.968	176.276	173.140	2.076	1.060	6.242	6.175	3.883	2.292	2.181
2002 prelim,....	263.617	73.215	19.493	18.920	2.050	20.365	5.476	4.994	1.917	174.821	171.653	2.117	1.051	6.741	6.605	4.177	2.428	2.235

- ¹ Because of limitations in the survey information, data on nonfederal government funding to other performers are not available and are consequently included in other sectors' support for their own R&D performance. For example, nonfederal government support to nonprofits is included in nonprofits' support for their own R&D.
- ² In the historical database (table D), expenditures of industry FFRDCs for 1953-54 were not separated from total Federal support to the industrial sector. Thus, the figure for Federal support to industry includes support to FFRDCs for those years. The same is true for expenditures of nonprofit FFRDCs, which are included in Federal support for nonprofit institutions in 1953-63.
- ³ Adjustments have been made to university R&D for 1998 and later years to eliminate double counting of funds passed through from one academic institution to another. Data for 1998 and later years are not directly comparable to data for 1997 and earlier years. For fiscal year 1998, \$479 million in passthrough funds were reported. For fiscal year 2002, \$881 million in passthrough funds are estimated.
- ⁴ Includes all R&D expenditures of FFRDCs administered by academic institutions.
- ⁵ Beginning in 2001, data for nonprofit FFRDCs are reported by the FFRDCs. In prior years, the data were collected from the Federal agencies supporting the FFRDCs.
- ⁶ Industry sources of industry R&D expenditures include all non-Federal sources of industry R&D expenditures.
- ⁷ Expenditure levels for academic and Federal government performers are also in reference to calendar years. These levels are approximations based on fiscal-year data. For Federal government expenditures starting in 1977, the calendar-year approximation is equal to 75 percent of the amount reported in the same fiscal year plus 25 percent of the amount reported in the subsequent fiscal year. For academic expenditures in all years and for Federal government expenditures prior to 1977 the respective percentages are 50 and 50, because those fiscal years (for most academic institutions and the Federal government before 1977) begin on July 1 instead of October 1.

KEY: FFRDCs=federally funded research and development centers; U&C=universities and colleges

NOTES: Technical notes explaining methodological issues of measurement will be provided in NSF, *The Methodology Underlying the Measurement of R&D Expenditures: 2002* (forthcoming). Data are based on annual reports by performers except for the nonprofit sector. Data are preliminary for 2001 and 2002. For trend comparisons, use only the historical data reported here. These tables incorporate the latest revisions to prior-year data, including recently revised estimates of R&D performance by nonprofit organizations. Do not use data published earlier.

SOURCES: National Science Foundation/Division of Science Resources Statistics. Data were derived from NSF/SRS, *Research and Development in Industry 2000*; NSF/SRS, *Academic Research and Development Expenditures: Fiscal Year 2000*; NSF/SRS, *Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002*; and NSF/SRS *Survey of R&D Funding & Performance by Nonprofit Organizations: Fiscal Years 1996 and 1997*.

ANEXO 3

Table 7C. State distribution of expenditures for R&D, by performing sector and source of funding: 1987–2000

Performing sector:		Total R&D	Federal government	Industry			Universities & colleges					U&C FFRDCs	Other nonprofit institutions	Nonprofit FFRDCs	
Funding sector:		Total R&D	Federal government	Total ¹	Federal Government ¹	Industry ²	Total	Federal Government	Nonfederal government	Industry	U&C	Nonprofits	Federal Government ³	Federal Government ⁴	Federal Government ³
State	Year ⁵	Thousands of current dollars													
Florida	1987	3.136.347	719.058	2.133.000	892.000	1.241.000	278.847	129.474	13.889	20.334	98.188	16.962	0	5.442	0
Florida	1989	3.374.947	642.074	2.341.000	1.167.000	1.174.000	385.556	200.742	25.655	20.660	112.906	25.593	0	6.317	0
Florida	1991	3.699.966	657.605	2.599.000	934.000	1.665.000	438.054	220.683	36.736	35.690	116.339	28.606	0	5.307	0
Florida	1993	3.525.284	607.692	2.425.000	970.000	1.455.000	488.551	267.717	31.641	40.565	119.937	28.691	0	4.041	0
Florida	1995	5.222.709	554.440	4.101.000	1.634.000	2.467.000	559.104	317.081	41.466	36.382	135.110	29.065	0	8.165	0
Florida	1997	4.783.893	649.376	3.442.000	1.461.000	1.981.000	681.508	333.828	89.003	48.304	176.142	34.231	0	11.009	0
Florida	1998	4.773.060	749.648	3.300.000	889.000	2.411.000	712.704	355.892	80.720	51.772	184.475	39.845	0	10.708	0
Florida	1999	4.265.345	763.344	2.697.000	706.000	1.991.000	788.743	396.395	91.371	63.637	198.479	38.861	0	16.258	0
Florida	2000	4.662.727	573.140	3.212.000	498.000	2.714.000	851.932	408.826	103.167	78.906	220.827	40.206	0	25.655	0

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 all R&D expenditures of the FFRDCs, over 95 percent of these expenditures are Federally funded nationally.

⁴ Other sources of support for nonprofit institutions were unavailable by state.

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&C = universities and colleges

NA = Not available

D = Data withheld to avoid disclosing operations of individual companies, or because of imputations of more than 50 percent

NOTE: Beginning with 1995, the "D" was no longer used to indicate Industry-performed R&D data with imputations of more than 50 percent.

SOURCES: National Science Foundation/Division of Science Resources Statistics. These data were derived from four NSF surveys: Survey of Industrial R&D; Survey of R&D Expenditures at Universities and Colleges, Survey of Federal Funds for R&D, and Survey of R&D Funding and Performance by Nonprofit Organizations.

ANEXO 4

Table 7B. State distribution of expenditures for R&D, by performing sector and source of funding: 2000

Performing sector:	Total R&D	Federal Government	Industry			Universities & colleges ¹						U&C FFRDCs	Other nonprofit institutions	Nonprofit FFRDCs	Gross state product	R&D intensity ⁶					
			Total ²	Federal Government ²	Industry ³	Total	Federal Government	Nonfederal government	Industry	U&C	Nonprofits					Federal Government ⁴	Federal Government ⁵	Federal Government ⁴	Rank	Percent	Rank
Funding sector:	Total R&D	Federal Government	Total ²	Federal Government ²	Industry ³	Total	Federal Government	Nonfederal government	Industry	U&C	Nonprofits	Federal Government ⁴	Federal Government ⁵	Federal Government ⁴	Gross state product	Rank	Percent	Rank			
State	Rank	Thousands of current dollars																	Rank	Percent	Rank
United States, total		264.616.008	17.468.589	199.539.000	19.118.000	180.421.000	30.973.891	17.974.978	2.256.997	#####	#####	#####	5.801.229	4.379.922	1.464.947	9.941.551.000		2,66			
Florida	15	4.662.727	573.140	3.212.000	498.000	2.714.000	851.932	408.826	103.167	78.906	220.827	40.206	0	25.655	0	472.105.000	4	0,99	36		
Georgia	21	2.796.192	273.713	1.579.000	83.000	1.496.000	926.749	417.664	76.857	94.341	299.214	38.673	0	16.730	0	296.142.000	10	0,94	37		
Hawaii	46	291.409	58.658	44.000	17.000	27.000	161.300	95.419	35.474	11.158	19.249	0	0	27.451	0	42.364.000	40	0,69	46		
Idaho	30	1.433.567	21.722	1.338.000	D	D	73.726	28.888	18.545	5.338	17.505	3.450	0	119	0	37.031.000	42	3,87	9		
Illinois	6	12.767.496	85.344	10.661.000	37.000	10.624.000	1.170.625	681.006	73.042	56.085	279.759	80.733	759.002	91.525	0	467.284.000	5	2,73	13		
Indiana	18	3.252.494	71.630	2.668.000	75.000	2.593.000	509.141	228.768	34.377	42.343	178.613	25.040	0	3.723	0	192.195.000	15	1,69	25		
Iowa	34	1.017.300	34.586	538.000	D	D	418.263	203.437	56.351	32.473	104.472	21.530	23.281	3.170	0	89.600.000	30	1,14	33		
Kansas	31	1.420.089	20.162	1.140.000	D	D	258.336	105.610	44.396	23.410	69.872	15.048	0	1.591	0	85.063.000	31	1,67	26		
Kentucky	35	866.052	7.500	582.000	1.000	581.000	274.238	96.288	21.849	17.932	121.232	16.937	0	2.314	0	118.508.000	27	0,73	43		
Louisiana	38	626.793	99.196	126.000	1.000	125.000	399.411	169.895	75.626	25.670	95.601	32.619	0	2.186	0	137.700.000	24	0,46	49		
Maine	45	318.726	4.755	201.000	53.000	148.000	57.753	25.309	6.445	2.994	20.555	2.450	0	55.218	0	35.981.000	45	0,89	38		
Maryland	10	8.633.558	4.869.668	2.032.000	428.000	1.604.000	1.507.549	1.090.445	82.069	50.154	181.039	103.842	0	224.341	0	186.108.000	16	4,64	4		
Massachusetts	5	13.004.427	259.172	9.863.000	1.831.000	8.032.000	1.485.792	1.064.468	40.305	138.667	94.322	148.030	348.339	967.591	80.533	284.934.000	11	4,56	5		
Michigan	2	18.892.070	239.543	17.640.000	80.000	17.559.000	995.756	553.119	63.226	66.955	242.336	70.120	0	16.771	0	325.384.000	9	5,81	1		
Minnesota	16	4.298.967	32.014	3.722.000	173.000	3.550.000	416.411	233.018	52.659	26.859	71.236	32.639	0	128.542	0	184.766.000	17	2,33	17		
Mississippi	39	512.789	186.799	101.000	19.000	83.000	217.064	117.168	38.833	10.973	47.025	3.065	0	7.926	0	67.315.000	35	0,76	42		
Missouri	23	2.583.036	43.851	1.893.000	18.000	1.876.000	614.101	371.713	26.387	33.535	130.288	52.178	0	32.084	0	178.845.000	18	1,44	30		
Montana	48	169.856	35.344	28.000	D	D	99.069	51.686	17.873	10.298	15.658	3.554	0	7.443	0	21.777.000	48	0,78	41		
Nebraska	43	438.996	25.082	199.000	D	D	208.480	65.702	7.243	17.636	101.159	16.740	0	6.434	0	56.072.000	37	0,78	40		
Nevada	44	377.412	20.696	248.000	D	D	106.340	60.005	7.032	5.532	29.227	4.544	0	2.376	0	74.745.000	32	0,50	48		
New Hampshire	36	775.004	35.717	586.000	D	D	150.982	95.290	9.747	9.197	22.924	13.824	0	2.305	0	47.708.000	39	1,62	27		
New Jersey	4	13.133.222	417.685	12.062.000	253.000	11.809.000	567.666	257.445	46.071	29.817	160.412	73.921	65.305	20.566	0	363.089.000	8	3,62	11		
New Mexico	20	3.085.199	320.838	1.158.000	D	D	246.258	175.028	11.965	11.692	41.740	5.833	1.333.194	26.909	0	54.364.000	38	5,68	2		
New York	3	13.555.586	176.034	10.539.000	1.773.000	8.766.000	2.290.812	1.475.423	102.684	100.995	374.797	236.913	0	300.685	249.055	799.202.000	2	1,70	24		
North Carolina	13	5.045.250	262.003	3.672.000	30.000	3.641.000	1.040.017	577.437	113.764	169.979	147.364	31.473	0	71.230	0	281.741.000	12	1,79	22		

Performing sector:	Total R&D	Federal Government	Industry			Universities & colleges ¹						U&C FFRDCs	Other nonprofit institutions	Nonprofit FFRDCs	Gross state product	R&D intensity ⁶			
			Total ²	Federal Government ²	Industry ³	Total	Federal Government	Nonfederal government	Industry	U&C	Nonprofits					Federal Government ⁴	Federal Government ⁵	Federal Government ⁴	Rank
Funding sector:	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	
State	Rank	Thousands of current dollars																	
North Dakota	49	145.671	25.842	51.000	D	D	67.406	29.343	2.417	4.400	28.651	2.595	0	1.423	0	18.283.000	51	0.80	39
Ohio	11	7.661.540	615.458	5.962.000	539.000	5.423.000	918.500	498.967	83.520	87.570	179.722	68.721	0	165.582	0	372.640.000	7	2.06	18
Oklahoma	37	659.684	58.619	333.000	3.000	331.000	252.419	93.434	42.396	16.789	88.152	11.648	0	15.646	0	91.773.000	29	0.72	44
Oregon	25	2.116.232	88.618	1.651.000	7.000	1.644.000	346.149	246.684	35.485	14.775	32.568	16.637	0	30.465	0	118.637.000	26	1.78	23
Pennsylvania	9	9.841.912	151.955	7.873.000	460.000	7.412.000	1.549.050	1.032.963	44.433	159.669	202.535	109.450	55.955	211.952	0	403.985.000	6	2.44	16
Rhode Island	29	1.500.828	240.862	1.090.000	D	D	129.697	88.510	4.564	2.735	30.289	3.599	0	40.269	0	36.453.000	43	4.12	7
South Carolina	33	1.126.164	45.754	781.000	D	D	294.184	131.043	31.743	15.478	102.793	13.127	0	5.226	0	113.377.000	28	0.99	35
South Dakota	50	84.801	13.232	44.000	16.000	28.000	27.269	13.659	6.525	361	3.825	2.899	0	300	0	23.192.000	47	0.37	50
Tennessee	26	2.057.293	88.947	1.215.000	D	D	405.013	240.337	39.258	18.520	67.634	39.264	0	35.888	312.445	178.362.000	19	1.15	32
Texas	7	11.552.437	464.699	8.961.000	230.000	8.731.000	2.039.642	1.101.463	229.255	165.151	322.234	221.539	0	87.096	0	742.274.000	3	1.56	28
Utah	32	1.360.644	69.871	979.000	D	D	308.059	192.100	20.365	17.853	43.818	33.923	0	3.714	0	68.549.000	33	1.98	20
Vermont	40	465.349	3.599	396.000	D	D	64.762	41.232	3.262	5.713	10.239	4.316	0	988	0	18.411.000	50	2.53	14
Virginia	12	5.069.481	1.449.209	2.718.000	800.000	1.918.000	587.718	321.690	70.328	53.380	103.522	38.798	79.342	67.066	168.146	261.355.000	13	1.94	21
Washington	8	10.516.331	258.718	9.265.000	D	D	642.934	443.223	15.266	62.087	101.445	20.913	0	198.734	150.945	219.937.000	14	4.78	3
West Virginia	41	457.128	102.958	235.000	D	D	73.420	33.972	2.963	7.510	24.299	4.676	35.536	10.214	0	42.271.000	41	1.08	34
Wisconsin	22	2.692.876	37.816	1.981.000	18.000	1.963.000	661.470	348.779	45.576	21.554	176.467	69.094	0	12.590	0	173.478.000	20	1.55	29
Wyoming	51	60.969	7.298	7.000	0	7.000	43.094	16.556	1.470	2.941	20.103	2.024	0	3.577	0	19.294.000	49	0.32	51
Other unknown	NA	12.130.343	42.207	11.994.000	1.094.000	10.900.000	81.969	47.925	16.329	5.021	12.114	580	11.268	899	0	NA	NA	NA	NA
Adjustment	NA	7.630.582	949.548	1.000	NA	NA	911.520	481.505	52.734	22.674	285.120	69.487	125.954	420.648	233.482	NA	NA	NA	NA

¹ Adjustments have been made to university R&D for 1998 and later years to eliminate double counting of funds passed through from one academic institution to another at the national level. State-level university R&D data have not been adjusted to correct for this double counting.

² Includes performance at industry FFRDCs.

³ Industry sources of industry R&D expenditures include all non-Federal sources of industry R&D expenditures.

⁴ Includes all R&D expenditures of the FFRDCs, over 95 percent of these expenditures are Federally funded nationally.

⁵ Other sources of support for nonprofit institutions were unavailable by state. For 2000 total nonprofit performance is estimated at \$9,368 million. Industry provided an estimated \$1,103 million to the nonprofit sector, and nonprofit institutions provided an estimated \$3,886 million. These non-Federal-support amounts are included in the total R&D column for the rows "United States, Total" and "other unknown". This is why, for these two columns, the amounts under "total R&D" are greater than the sum of the components to the right, because those components do not include nonfederal support to nonprofit organizations.

⁶ R&D intensity is the ratio of total R&D performed in a state to the GSP of the state.

KEY: FFRDCs = federally funded research and development centers

U&C = universities and colleges

NA = Not available

D = Data withheld to avoid disclosing operations of individual companies

NOTES: 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.

The "other unknown" category reflects reported data that could not be assigned to a geographic location. The "adjustment" category reflects the difference in state totals (and other unknown) when reported on a fiscal year basis and the U.S.

Totals that have been adjusted to calendar year estimates.

SOURCES: National Science Foundation/Division of Science Resources Statistics. These data were derived from four NSF surveys: Survey of Industrial R&D; Survey of R&D Expenditures at Universities and Colleges; Survey of Federal Funds for R&D; and Survey of R&D Funding and Performance by Nonprofit Organizations. Gross State Product data are from the U.S. Bureau of Economic Analysis.