

Appendix table 4-1

**Gross domestic product, R&D, and ratio of R&D and gross domestic product: 1953–2011**

Year	GDP			R&D				R&D/GDP (%)		
	Current \$billions	Implicit price deflator (2005 = 1.00000)	2005 constant \$billions	Current \$millions	2005 constant \$millions	Federally funded 2005 constant \$millions	Nonfederally funded 2005 constant \$millions	Total	Federally funded	Nonfederally funded
1953	379.3	0.16160	2,347.2	5,160	31,931	17,219	14,713	1.36	0.73	0.63
1954	380.4	0.16309	2,332.4	5,617	34,437	18,995	15,442	1.48	0.81	0.66
1955	414.7	0.16586	2,500.3	6,281	37,871	21,725	16,146	1.51	0.87	0.65
1956	437.4	0.17155	2,549.7	8,500	49,548	29,018	20,531	1.94	1.14	0.81
1957	461.1	0.17727	2,601.1	9,908	55,893	35,159	20,734	2.15	1.35	0.80
1958	467.2	0.18125	2,577.6	10,915	60,220	38,477	21,743	2.34	1.49	0.84
1959	506.6	0.18338	2,762.5	12,490	68,106	44,535	23,571	2.47	1.61	0.85
1960	526.4	0.18595	2,830.9	13,711	73,737	47,944	25,792	2.60	1.69	0.91
1961	544.8	0.18806	2,896.9	14,564	77,444	50,431	27,012	2.67	1.74	0.93
1962	585.7	0.19063	3,072.4	15,636	82,022	53,182	28,841	2.67	1.73	0.94
1963	617.8	0.19266	3,206.7	17,519	90,932	60,446	30,486	2.84	1.88	0.95
1964	663.6	0.19562	3,392.3	19,103	97,653	65,251	32,402	2.88	1.92	0.96
1965	719.1	0.19919	3,610.1	20,252	101,672	66,236	35,436	2.82	1.83	0.98
1966	787.7	0.20485	3,845.3	22,072	107,747	69,147	38,599	2.80	1.80	1.00
1967	832.4	0.21114	3,942.5	23,346	110,576	68,974	41,601	2.80	1.75	1.06
1968	909.8	0.22011	4,133.4	24,666	112,063	67,985	44,078	2.71	1.64	1.07
1969	984.4	0.23098	4,261.8	25,996	112,544	65,928	46,616	2.64	1.55	1.09
1970	1,038.3	0.24317	4,269.9	26,271	108,038	61,621	46,417	2.53	1.44	1.09
1971	1,126.8	0.25532	4,413.3	26,952	105,561	59,573	45,988	2.39	1.35	1.04
1972	1,237.9	0.26635	4,647.7	28,740	107,905	60,219	47,686	2.32	1.30	1.03
1973	1,382.3	0.28113	4,917.0	30,952	110,098	59,002	51,096	2.24	1.20	1.04
1974	1,499.5	0.30665	4,889.9	33,359	108,784	56,373	52,411	2.22	1.15	1.07
1975	1,637.7	0.33563	4,879.5	35,671	106,282	55,220	51,063	2.18	1.13	1.05
1976	1,824.6	0.35489	5,141.3	39,435	111,118	57,177	53,941	2.16	1.11	1.05
1977	2,030.1	0.37750	5,377.7	43,338	114,802	58,467	56,335	2.13	1.09	1.05
1978	2,293.8	0.40401	5,677.6	48,719	120,589	60,429	60,161	2.12	1.06	1.06
1979	2,562.2	0.43761	5,855.0	55,379	126,549	62,213	64,336	2.16	1.06	1.10
1980	2,788.1	0.47750	5,839.0	63,224	132,407	62,799	69,608	2.27	1.08	1.19
1981	3,126.8	0.52225	5,987.2	72,292	138,425	64,603	73,822	2.31	1.08	1.23
1982	3,253.2	0.55412	5,870.9	80,748	145,722	67,013	78,710	2.48	1.14	1.34
1983	3,534.6	0.57602	6,136.2	89,950	156,156	71,960	84,196	2.54	1.17	1.37
1984	3,930.9	0.59766	6,577.1	102,244	171,072	77,753	93,319	2.60	1.18	1.42
1985	4,217.5	0.61576	6,849.3	114,671	186,227	85,490	100,737	2.72	1.25	1.47
1986	4,460.1	0.62938	7,086.5	120,249	191,059	86,788	104,271	2.70	1.22	1.47
1987	4,736.4	0.64764	7,313.3	126,360	195,108	90,497	104,612	2.67	1.24	1.43
1988	5,100.4	0.66988	7,613.9	133,881	199,858	89,764	110,095	2.62	1.18	1.45
1989	5,482.1	0.69518	7,885.9	141,891	204,107	86,979	117,129	2.59	1.10	1.49
1990	5,800.5	0.72200	8,033.9	151,993	210,515	85,332	125,183	2.62	1.06	1.56
1991	5,992.1	0.74760	8,015.1	160,876	215,189	81,304	133,885	2.68	1.01	1.67
1992	6,342.3	0.76532	8,287.1	165,350	216,053	79,593	136,459	2.61	0.96	1.65

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Year	GDP			R&D				R&D/GDP (%)		
	Current \$billions	Implicit price deflator (2005 = 1.00000)	2005 constant \$billions	Current \$millions	2005 constant \$millions	Federally funded 2005 constant \$millions	Nonfederally funded 2005 constant \$millions	Total	Federally funded	Nonfederally funded
1993	6,667.4	0.78225	8,523.4	165,730	211,865	77,377	134,488	2.49	0.91	1.58
1994	7,085.2	0.79872	8,870.7	169,207	211,847	76,093	135,754	2.39	0.86	1.53
1995	7,414.7	0.81537	9,093.7	183,625	225,206	77,228	147,978	2.48	0.85	1.63
1996	7,838.5	0.83089	9,433.9	197,346	237,513	76,297	161,216	2.52	0.81	1.71
1997	8,332.4	0.84556	9,854.3	212,152	250,901	76,368	174,533	2.55	0.77	1.77
1998	8,793.5	0.85511	10,283.5	226,457	264,829	77,632	187,197	2.58	0.75	1.82
1999	9,353.5	0.86769	10,779.8	245,318	282,726	77,639	205,087	2.62	0.72	1.90
2000	9,951.5	0.88723	11,216.4	268,905	303,084	76,487	226,597	2.70	0.68	2.02
2001	10,286.2	0.90727	11,337.5	279,716	308,304	82,628	225,676	2.72	0.73	1.99
2002	10,642.3	0.92196	11,543.1	279,387	303,036	87,113	215,923	2.63	0.75	1.87
2003	11,142.2	0.94135	11,836.4	293,060	311,319	92,107	219,212	2.63	0.78	1.85
2004	11,853.3	0.96786	12,246.9	304,547	314,660	95,427	219,233	2.57	0.78	1.79
2005	12,623.0	1.00000	12,623.0	327,185	327,185	97,041	230,144	2.59	0.77	1.82
2006	13,377.2	1.03231	12,958.5	352,567	341,532	98,379	243,153	2.64	0.76	1.88
2007	14,028.7	1.06227	13,206.4	379,454	357,212	100,381	256,832	2.70	0.76	1.94
2008	14,291.5	1.08582	13,161.9	406,610	374,472	109,984	264,488	2.85	0.84	2.01
2009	13,939.0	1.09729	12,703.1	404,697	368,815	116,165	252,650	2.90	0.91	1.99
2010	14,526.5	1.10991	13,088.0	406,708	366,434	114,390	252,044	2.80	0.87	1.93
2011	15,094.0	1.13360	13,315.1	424,413	374,394	110,873	263,521	2.81	0.83	1.98

GDP = gross domestic product.

SOURCES: GDP data are from the Bureau of Economic Analysis, Survey of Current Business (31 May 2012); R&amp;D data are from the National Science Foundation, National Center for Science and Engineering Statistics, National Patterns of R&amp;D Resources (annual series).

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