

Appendix Table 4-1		Gross domestic product, R&D, and ratio of R&D and gross domestic product: 1953–2013										
	GDP			R&D					R&D/GDP (%)			
Year	Current \$billions	Implicit price deflator (2009 = 1.00000)	Constant 2009 \$billions	Current \$millions	Constant 2009 \$millions	Federally funded constant \$millions	Business funded constant \$millions	Other funded constant \$millions	Total	Federally funded	Business funded	Other funded
1953	389.7	0.15155	2,571.4	5,160	34,048	18,360	14,823	864	1.32	0.71	0.58	0.03
1954	391.1	0.15296	2,556.9	5,621	36,745	20,280	15,524	941	1.44	0.79	0.61	0.04
1955	426.2	0.15560	2,739.0	6,185	39,748	22,538	16,208	1,003	1.45	0.82	0.59	0.04
1956	450.1	0.16090	2,797.4	8,501	52,831	30,942	20,792	1,097	1.89	1.11	0.74	0.04
1957	474.9	0.16626	2,856.3	9,908	59,592	37,486	20,867	1,239	2.09	1.31	0.73	0.04
1958	482.0	0.17000	2,835.3	10,915	64,206	41,024	21,806	1,376	2.26	1.45	0.77	0.05
1959	522.5	0.17239	3,031.0	12,490	72,451	47,376	23,578	1,497	2.39	1.56	0.78	0.05
1960	543.3	0.17477	3,108.7	13,711	78,453	51,011	25,840	1,602	2.52	1.64	0.83	0.05
1961	563.3	0.17669	3,188.1	14,564	82,428	53,676	26,923	1,828	2.59	1.68	0.84	0.06
1962	605.1	0.17886	3,383.1	15,636	87,421	56,681	28,645	2,094	2.58	1.68	0.85	0.06
1963	638.6	0.18089	3,530.4	17,519	96,851	64,380	30,160	2,311	2.74	1.82	0.85	0.07
1964	685.8	0.18366	3,734.0	19,103	104,011	69,499	32,056	2,456	2.79	1.86	0.86	0.07
1965	743.7	0.18701	3,976.7	20,253	108,294	70,551	35,016	2,727	2.72	1.77	0.88	0.07
1966	815.0	0.19227	4,238.9	22,072	114,799	73,674	38,129	2,996	2.71	1.74	0.90	0.07
1967	861.7	0.19786	4,355.2	23,347	118,000	73,607	41,169	3,225	2.71	1.69	0.95	0.07
1968	942.5	0.20628	4,569.0	24,667	119,577	72,544	43,666	3,367	2.62	1.59	0.96	0.07
1969	1,019.9	0.21642	4,712.5	25,996	120,114	70,362	46,254	3,498	2.55	1.49	0.98	0.07
1970	1,075.9	0.22785	4,722.0	26,271	115,302	65,764	45,857	3,680	2.44	1.39	0.97	0.08



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1971	1,167.8	0.23942	4,877.6	26,952	112,571	63,529	45,209	3,832	2.31	1.30	0.93	0.08
1972	1,282.4	0.24977	5,134.3	28,740	115,066	64,215	46,903	3,948	2.24	1.25	0.91	0.08
1973	1,428.5	0.26336	5,424.1	30,952	117,527	62,982	50,497	4,048	2.17	1.16	0.93	0.07
1974	1,548.8	0.28703	5,396.0	33,359	116,224	60,227	51,862	4,135	2.15	1.12	0.96	0.08
1975	1,688.9	0.31361	5,385.4	35,671	113,745	59,097	50,459	4,189	2.11	1.10	0.94	0.08
1976	1,877.6	0.33083	5,675.4	39,435	119,199	61,335	53,508	4,355	2.10	1.08	0.94	0.08
1977	2,086.0	0.35136	5,937.0	43,338	123,345	62,818	55,902	4,625	2.08	1.06	0.94	0.08
1978	2,356.6	0.37602	6,267.2	48,719	129,565	64,926	59,722	4,917	2.07	1.04	0.95	0.08
1979	2,632.1	0.40706	6,466.2	55,379	136,047	66,883	64,111	5,054	2.10	1.03	0.99	0.08
1980	2,862.5	0.44377	6,450.4	63,224	142,470	67,571	69,696	5,203	2.21	1.05	1.08	0.08
1981	3,211.0	0.48521	6,617.7	72,292	148,990	69,534	74,087	5,369	2.25	1.05	1.12	0.08
1982	3,345.0	0.51531	6,491.3	80,748	156,699	72,060	78,967	5,671	2.41	1.11	1.22	0.09
1983	3,638.1	0.53564	6,792.0	89,949	167,927	77,384	84,504	6,039	2.47	1.14	1.24	0.09
1984	4,040.7	0.55466	7,285.0	102,244	184,335	83,781	94,088	6,466	2.53	1.15	1.29	0.09
1985	4,346.7	0.57240	7,593.8	114,671	200,332	91,965	101,261	7,106	2.64	1.21	1.33	0.09
1986	4,590.2	0.58396	7,860.5	120,249	205,920	93,538	104,445	7,937	2.62	1.19	1.33	0.10
1987	4,870.2	0.59885	8,132.6	126,360	211,005	97,870	104,494	8,642	2.59	1.20	1.28	0.11
1988	5,252.6	0.61981	8,474.5	133,881	216,002	97,015	109,673	9,314	2.55	1.14	1.29	0.11
1989	5,657.7	0.64392	8,786.4	141,891	220,356	93,903	116,422	10,031	2.51	1.07	1.33	0.11
1990	5,979.6	0.66774	8,955.0	151,993	227,623	92,267	124,611	10,745	2.54	1.03	1.39	0.12
1991	6,174.0	0.68996	8,948.4	160,876	233,168	88,097	133,777	11,294	2.61	0.98	1.49	0.13
1992	6,539.3	0.70568	9,266.6	165,350	234,312	86,320	136,362	11,630	2.53	0.93	1.47	0.13



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1993	6,878.7	0.72248	9,521.0	165,730	229,392	83,778	133,637	11,977	2.41	0.88	1.40	0.13
1994	7,308.8	0.73786	9,905.4	169,207	229,321	82,370	134,448	12,503	2.32	0.83	1.36	0.13
1995	7,664.1	0.75324	10,174.8	183,625	243,780	83,597	147,191	12,992	2.40	0.82	1.45	0.13
1996	8,100.2	0.76699	10,561.0	197,346	257,299	82,653	160,910	13,736	2.44	0.78	1.52	0.13
1997	8,608.5	0.78012	11,034.9	212,152	271,949	82,775	174,625	14,550	2.46	0.75	1.58	0.13
1998	9,089.2	0.78859	11,525.9	226,457	287,168	84,180	187,455	15,533	2.49	0.73	1.63	0.13
1999	9,660.6	0.80065	12,065.9	245,319	306,398	84,140	205,590	16,668	2.54	0.70	1.70	0.14
2000	10,284.8	0.81887	12,559.7	268,904	328,383	82,871	227,187	18,325	2.61	0.66	1.81	0.15
2001	10,621.8	0.83754	12,682.2	279,716	333,975	89,052	225,039	19,884	2.63	0.70	1.77	0.16
2002	10,977.5	0.85039	12,908.8	279,387	328,541	93,925	212,583	22,033	2.55	0.73	1.65	0.17
2003	11,510.7	0.86735	13,271.1	293,060	337,879	99,491	214,731	23,658	2.55	0.75	1.62	0.18
2004	12,274.9	0.89120	13,773.5	304,547	341,728	103,280	214,800	23,648	2.48	0.75	1.56	0.17
2005	13,093.7	0.91988	14,234.2	327,184	355,683	105,110	225,970	24,603	2.50	0.74	1.59	0.17
2006	13,855.9	0.94814	14,613.8	352,875	372,177	106,799	239,713	25,664	2.55	0.73	1.64	0.18
2007	14,477.6	0.97337	14,873.7	380,019	390,416	109,464	253,677	27,275	2.62	0.74	1.71	0.18
2008	14,718.6	0.99246	14,830.4	406,952	410,043	120,017	260,092	29,934	2.76	0.81	1.75	0.20
2009	14,418.7	1.00000	14,418.7	405,136	405,136	127,180	246,770	31,186	2.81	0.88	1.71	0.22
2010	14,964.4	1.01222	14,783.8	408,197	403,270	126,019	245,317	31,934	2.73	0.85	1.66	0.22
2011	15,517.9	1.03311	15,020.6	427,833	414,122	123,936	258,062	32,124	2.76	0.83	1.72	0.21
2012	16,163.2	1.05166	15,369.2	435,347	413,961	118,817	262,339	32,804	2.69	0.77	1.71	0.21
2013 preliminary	16,768.1	1.06733	15,710.3	456,095	427,323	114,124	278,525	34,673	2.72	0.73	1.77	0.22



GDP = gross domestic product.

NOTE: Data for 2013 include some estimates and may later be revised.

SOURCES: GDP data are from the U.S. Bureau of Economic Analysis, National Economic Accounts, Gross Domestic Product, <http://www.bea.gov/national/>, accessed 18 February 2015; R&D data are from the National Science Foundation, National Center for Science and Engineering Statistics, National Patterns of R&D Resources (annual series).

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