

Appendix table 4-35

**R&D expenditures and R&D as percentage of gross domestic product, by selected country and for all OECD countries: 1981–2006**

Year	U.S. <sup>a</sup>	Japan <sup>b</sup>	Germany <sup>c</sup>	France	UK	Italy	Canada	Russian Federation	All OECD
2000 constant US\$billions <sup>d</sup>									
1981.....	122.3	42.8	29.6	19.3	21.5	8.6	6.3	NA	276.1
1982.....	128.7	45.8	30.3	20.6	NA	8.9	6.8	NA	288.7
1983.....	137.9	49.3	30.9	21.4	20.9	9.4	6.9	NA	304.5
1984.....	151.1	52.6	31.7	22.6	NA	10.4	7.5	NA	327.6
1985.....	164.5	58.3	34.8	23.7	22.6	11.8	8.1	NA	356.3
1986.....	168.8	59.3	36.0	24.1	23.7	12.3	8.5	NA	367.4
1987.....	172.6	63.3	38.1	25.2	24.1	13.3	8.5	NA	381.5
1988.....	176.9	68.1	39.3	26.3	24.7	14.2	8.8	NA	396.1
1989.....	180.6	74.2	40.6	28.0	25.3	14.9	9.5	NA	412.6
1990.....	186.3	80.4	41.0	30.0	25.5	15.8	9.9	33.0	431.2
1991.....	190.5	82.2	44.2	30.5	24.2	15.2	10.1	23.8	450.8
1992.....	191.4	81.3	43.1	31.0	23.7	14.8	10.5	9.3	452.8
1993.....	187.5	79.3	41.4	31.2	24.6	14.0	11.1	8.8	448.7
1994.....	187.5	78.5	40.8	31.1	25.1	13.3	12.0	8.4	452.0
1995.....	199.4	83.5	41.6	31.3	25.1	13.1	12.1	8.1	478.5
1996.....	210.3	89.1	42.1	31.4	24.8	13.3	12.0	8.9	499.8
1997.....	222.3	92.6	43.7	31.0	24.6	14.2	12.5	9.8	522.8
1998.....	234.7	95.0	45.3	31.3	25.3	14.6	13.8	8.5	544.2
1999.....	250.4	95.4	48.7	32.7	27.1	14.5	14.9	9.4	572.1
2000.....	267.6	98.8	51.5	33.8	28.0	15.4	16.7	10.9	606.8
2001.....	271.2	101.6	52.3	35.2	28.2	16.3	18.6	12.8	625.3
2002.....	265.5	103.3	52.9	36.1	28.8	17.0	18.7	14.2	626.4
2003.....	271.6	105.8	53.5	35.5	28.8	16.6	18.7	15.7	642.4
2004.....	274.2	107.7	53.8	35.9	28.8	16.7	19.4	15.2	663.2
2005.....	286.5	NA	54.5	36.1	NA	NA	19.6	14.9	NA
2006.....	293.3	NA	NA	NA	NA	NA	19.9	NA	NA
GDP (%)									
1981.....	2.31	2.33	2.35	1.90	2.38	0.86	1.22	NA	1.91
1982.....	2.48	2.42	2.42	1.98	NA	0.88	1.37	NA	2.00
1983.....	2.54	2.56	2.43	2.01	2.20	0.93	1.34	NA	2.05
1984.....	2.60	2.64	2.43	2.10	NA	0.99	1.38	NA	2.11
1985.....	2.72	2.58	2.60	2.15	2.24	1.10	1.42	NA	2.22
1986.....	2.69	2.55	2.63	2.14	2.26	1.11	1.46	NA	2.22
1987.....	2.67	2.62	2.74	2.18	2.19	1.16	1.41	NA	2.23
1988.....	2.62	2.64	2.73	2.18	2.14	1.19	1.38	NA	2.22
1989.....	2.59	2.73	2.71	2.23	2.15	1.21	1.45	NA	2.22
1990.....	2.62	2.81	2.61	2.33	2.15	1.25	1.51	2.03	2.26
1991.....	2.68	2.78	2.47	2.33	2.07	1.19	1.57	1.43	2.19
1992.....	2.61	2.73	2.35	2.33	2.02	1.15	1.62	0.74	2.16
1993.....	2.49	2.65	2.28	2.37	2.05	1.10	1.68	0.77	2.11
1994.....	2.39	2.60	2.18	2.32	2.01	1.02	1.73	0.84	2.06
1995.....	2.48	2.71	2.19	2.29	1.95	0.97	1.70	0.85	2.07
1996.....	2.52	2.82	2.19	2.27	1.87	0.99	1.65	0.97	2.10
1997.....	2.55	2.89	2.24	2.19	1.81	1.03	1.66	1.04	2.12
1998.....	2.59	3.02	2.27	2.14	1.80	1.05	1.76	0.95	2.15
1999.....	2.64	3.04	2.40	2.16	1.87	1.02	1.80	1.00	2.19
2000.....	2.73	3.05	2.45	2.15	1.86	1.05	1.92	1.05	2.23
2001.....	2.74	3.13	2.46	2.20	1.83	1.09	2.09	1.18	2.27
2002.....	2.64	3.18	2.49	2.23	1.83	1.13	2.04	1.25	2.24
2003.....	2.64	3.20	2.52	2.17	1.79	1.11	2.01	1.28	2.25
2004.....	2.56	3.18	2.50	2.14	1.73	1.10	2.01	1.16	2.25
2005.....	2.59	NA	2.51	2.13	NA	NA	1.98	1.07	NA
2006.....	2.57	NA	NA	NA	NA	NA	1.95	NA	NA

NA = not available

GDP = gross domestic product; OECD = Organisation for Economic Co-operation and Development; UK = United Kingdom

<sup>a</sup>Data for United States do not include capital expenditures for R&D, business sector social sciences R&D, or humanities R&D.<sup>b</sup>Data for 1996 on may not be consistent with earlier data because of changes in methodology.<sup>c</sup>1981–90 data for West Germany.<sup>d</sup>Conversions of foreign currencies to U.S. dollars calculated with each country's GDP implicit price deflator and with OECD purchasing power parity exchange rates.

SOURCES: National Science Foundation, Division of Science Resources Statistics, National Patterns of R&amp;D Resources (annual series); and OECD, Main Science and Technology Indicators (2006).