

International R&D expenditures and R&D as percentage of gross domestic product, by selected country and for all OECD countries: 1981–2003

Year	United States	Japan ^a	Germany ^b	France	United Kingdom	Italy	Canada	Russian Federation	Total OECD
Billions of constant 2000 U.S. dollars ^c									
1981.....	123.1	42.3	29.7	19.5	21.1	8.6	6.4	NA	275.2
1982.....	129.7	45.3	30.4	20.9	NA	8.9	6.9	NA	288.4
1983.....	139.0	48.7	30.8	21.7	20.6	9.5	7.0	NA	304.1
1984.....	152.4	52.0	31.7	23.1	NA	10.4	7.6	NA	327.1
1985.....	165.5	57.6	34.8	24.1	22.3	11.9	8.2	NA	355.6
1986.....	169.4	58.6	35.8	24.5	23.4	12.3	8.6	NA	366.5
1987.....	173.0	62.6	37.7	25.5	23.8	13.3	8.7	NA	380.1
1988.....	177.3	67.3	39.0	26.7	24.3	14.1	9.0	NA	394.8
1989.....	181.1	73.4	40.5	28.4	25.0	14.8	9.6	NA	411.4
1990.....	186.7	79.4	41.0	30.2	25.1	15.7	10.0	33.5	429.8
1991.....	191.1	81.2	44.7	30.5	23.9	15.1	10.2	24.2	449.8
1992.....	191.8	80.4	43.5	31.0	23.4	14.7	10.7	10.2	451.7
1993.....	188.0	78.3	41.9	31.1	24.3	13.9	11.3	9.2	447.5
1994.....	188.0	77.6	41.2	30.9	24.8	13.2	12.2	8.8	450.7
1995.....	199.9	82.6	42.0	31.0	24.8	13.0	12.3	7.9	476.9
1996.....	210.7	88.1	42.3	31.2	24.5	13.2	12.2	8.7	498.0
1997.....	222.9	91.8	43.7	30.7	24.4	14.1	12.7	9.4	521.0
1998.....	235.1	94.2	45.0	31.0	25.0	14.5	14.1	8.4	540.7
1999.....	249.3	94.8	48.4	32.2	26.8	14.4	15.1	9.8	568.3
2000.....	265.2	98.4	50.9	33.4	27.4	15.2	16.8	11.1	601.5
2001.....	268.4	101.5	51.6	34.9	28.2	16.2	18.0	13.0	619.3
2002.....	266.6	102.8	52.2	35.8	29.0	NA	17.5	14.5	624.9
2003.....	269.3	NA	51.5	NA	NA	NA	17.6	15.9	NA
Percent of GDP									
1981.....	2.34	2.12	2.43	1.93	2.38	0.88	1.24	NA	1.93
1982.....	2.52	2.21	2.50	2.02	NA	0.90	1.39	NA	2.02
1983.....	2.58	2.34	2.50	2.06	2.20	0.95	1.36	NA	2.07
1984.....	2.64	2.43	2.50	2.16	NA	1.01	1.40	NA	2.13
1985.....	2.75	2.56	2.68	2.22	2.24	1.12	1.44	NA	2.24
1986.....	2.72	2.53	2.70	2.21	2.26	1.13	1.48	NA	2.24
1987.....	2.69	2.60	2.80	2.24	2.20	1.19	1.43	NA	2.25
1988.....	2.65	2.62	2.79	2.24	2.14	1.22	1.40	NA	2.23
1989.....	2.61	2.71	2.79	2.29	2.15	1.24	1.47	NA	2.24
1990.....	2.65	2.79	2.67	2.37	2.15	1.29	1.53	2.03	2.28
1991.....	2.71	2.76	2.52	2.37	2.07	1.23	1.60	1.43	2.21
1992.....	2.64	2.71	2.40	2.38	2.03	1.18	1.64	0.74	2.17
1993.....	2.52	2.63	2.33	2.40	2.06	1.13	1.70	0.77	2.12
1994.....	2.42	2.58	2.24	2.34	2.01	1.05	1.76	0.84	2.07
1995.....	2.51	2.69	2.25	2.31	1.95	1.00	1.72	0.85	2.09
1996.....	2.55	2.78	2.25	2.30	1.88	1.01	1.68	0.97	2.11
1997.....	2.58	2.84	2.29	2.22	1.81	1.05	1.68	1.04	2.13
1998.....	2.61	2.95	2.31	2.17	1.80	1.07	1.79	0.95	2.16

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Year	United States	Japan ^a	Germany ^b	France	United Kingdom	Italy	Canada	Russian Federation	Total OECD
Percent of GDP									
1999.....	2.65	2.96	2.44	2.18	1.87	1.04	1.82	1.00	2.19
2000.....	2.72	2.99	2.49	2.18	1.85	1.07	1.92	1.05	2.23
2001.....	2.73	3.07	2.51	2.23	1.86	1.11	2.03	1.18	2.28
2002.....	2.66	3.12	2.53	2.26	1.87	NA	1.90	1.25	2.26
2003.....	2.60	NA	2.50	NA	NA	NA	1.87	1.28	NA

NA = not available or not applicable

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

^aData for 1996 on may not be consistent with earlier data because of changes in methodology.

^b1981–90 data for West Germany.

^cConversions of foreign currencies to U.S. dollars calculated with each country's GDP implicit price deflator and with OECD purchasing power parity exchange rates.

SOURCE: OECD, *Main Science and Technology Indicators* (2004).

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