

JAPAN

R&D expenditure in industry by main activity of the enterprise, current prices

ISIC Rev. 4

Million USD PPP

	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL BUSINESS ENTERPRISE	104 052.9	107 593.6	114 204.6	116 716.3	125 287.5	131 839.8	133 178.2	132 812.4
01-03 AGRICULTURE, FORESTRY AND FISHING	27.1	41.1	27.6	17.8	21.2	18.4	20.8	25.4
05-09 MINING AND QUARRYING	136.4	89.6	30.3	29.0	43.1	36.6	39.8	40.3
10-33 MANUFACTURING	90 636.0	93 758.9	100 352.8	102 653.6	111 166.7	114 069.5	115 451.5	115 425.8
10-12 Food products, beverages and tobacco	2 101.6	2 127.7	2 085.7	2 113.7	2 306.8	2 034.5	2 136.3	2 260.6
13-15 Textiles, wearing apparel, leather and related products	1 046.5	1 125.5	1 266.2	1 305.1	1 366.3	1 320.1	1 341.6	1 422.4
13 Textiles	980.3	1 050.7	1 191.3	1 240.0	1 297.4	1 244.3	1 276.1	1 371.5
14 Wearing apparel	28.5	30.4	40.9	29.6	30.8	41.0	27.7	19.7
15 Leather and related products, footwear	37.7	44.4	34.0	35.4	38.0	34.8	37.7	31.2
16-18 Wood and paper products and printing	730.6	772.4	734.3	677.2	579.6	590.3	572.2	636.7
16 Wood and wood products, except furniture	67.2	81.8	86.0	101.3	91.6	83.3	82.5	86.7
17 Paper and paper products	336.7	377.6	319.8	240.5	203.3	282.0	270.5	292.9
18 Printing and reproduction of recorded media	326.8	312.9	328.5	335.4	284.8	225.0	219.2	257.0
19-23 Chemical, rubber, plastic, non-metallic mineral products	20 981.2	22 252.5	22 802.7	24 183.4	26 445.0	26 988.8	27 244.4	27 308.6
19 Coke and refined petroleum products	442.1	468.2	447.7	440.0	462.4	408.4	430.7	452.4
20-21 Chemical and pharmaceutical products	16 921.6	18 095.4	18 371.2	19 688.5	21 608.5	21 821.4	22 131.6	21 948.2
20 Chemicals and chemical products	6 557.3	6 664.2	6 925.1	7 162.5	7 422.7	7 310.9	7 946.3	8 470.1
21 Pharmaceuticals, medicinal, chemical and botanical products	10 364.2	11 431.3	11 446.1	12 526.0	14 185.8	14 510.5	14 185.4	13 478.1
22 Rubber and plastic products	2 384.3	2 421.4	2 594.7	2 638.7	2 916.5	3 281.8	3 332.3	3 481.5
23 Other non-metallic mineral products	1 233.2	1 267.4	1 389.0	1 416.3	1 457.6	1 477.1	1 349.8	1 426.5
24-25 Basic metals, metal products, except machinery and equipment	2 480.5	2 649.5	2 865.7	2 658.2	2 747.4	2 975.0	2 854.3	2 832.3
24 Basic metals	2 032.9	2 155.6	2 360.2	2 166.9	2 256.9	2 459.5	2 388.6	2 338.1
25 Fabricated metal products, except machinery and equipment	447.5	493.9	505.5	491.4	490.5	515.5	465.7	494.1
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	61 539.0	62 853.4	68 596.4	69 587.1	75 291.2	77 941.2	79 482.0	79 159.0
26 Computer, electronic and optical products	27 404.3	26 268.9	29 244.8	28 387.1	28 750.8	28 017.8	28 070.4	26 203.1
27 Electrical equipment	2 975.8	3 410.5	3 221.7	3 267.6	3 467.5	3 428.3	3 441.4	3 596.5
28 Machinery and equipment n.e.c.	9 484.4	9 538.1	10 211.0	10 414.6	12 315.0	12 440.8	12 695.0	13 401.0
29 Motor vehicles, trailers and semi-trailers	21 321.7	23 159.0	25 408.9	26 930.1	29 995.1	33 184.4	34 204.5	34 845.3
30 Other transport equipment	352.9	476.9	510.1	587.7	762.7	869.9	1 070.7	1 113.1
31-33 Furniture; repair, installation of machinery and equipment	1 756.6	1 977.8	2 002.0	2 128.9	2 430.4	2 219.7	1 820.7	1 806.2
31 Furniture	115.9	93.4	106.8	98.0	97.4	108.8	107.1	143.2
32 Other manufacturing	1 640.7	1 884.5	1 895.2	2 030.9	2 333.0	2 110.9	1 713.6	1 663.0
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT	551.5	595.6	505.6	503.7	512.4	464.3	471.4	404.2
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
41-43 CONSTRUCTION	1 004.5	1 023.3	1 024.1	1 066.6	1 061.3	951.1	1 042.7	1 245.6
45-99 TOTAL SERVICES	11 697.3	12 085.2	12 264.2	12 445.6	12 482.7	16 299.8	16 152.1	15 671.1
45-82 Business sector services	11 697.3	12 085.2	12 264.2	12 445.6	12 482.7	16 299.8	16 152.1	15 671.1
45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs	386.2	360.6	313.1	463.2	489.0	641.1	727.9	751.5
49-53 Transportation and storage	327.8	306.4	326.9	425.8	519.2	561.5	442.0	457.2
55-56 Accommodation and food service activities	..	..	..	..	..	..	..	..
58-63 Information and communication	4 611.5	4 838.9	5 237.9	5 181.1	4 587.8	6 680.2	6 280.0	5 840.1
58-60 Publishing, audiovisual and broadcasting activities	110.5	103.0	8.7	9.5	18.9	16.3	15.8	29.6
58 Publishing activities	8.5	6.7	4.6	6.3	8.6	9.4	5.7	18.2
59-60 Motion picture, video and TV programme production; broadcasting activities	102.0	96.2	4.1	3.2	10.3	6.9	10.1	11.4
59 Motion picture, video and TV programme production; sound and music	2.0	0.4	0.7	0.7	1.8	1.9	2.2	3.6
60 Programming and broadcasting activities	100.0	95.8	3.5	2.5	8.5	5.0	7.9	7.8
61 Telecommunications	2 289.7	2 277.5	2 779.8	2 832.9	2 764.9	3 686.0	3 694.3	3 362.8
62-63 IT and other information services	2 211.2	2 458.5	2 449.5	2 338.7	1 804.0	2 977.9	2 569.9	2 447.7
62 Computer programming, consultancy and related activities	1 926.9	2 179.6	2 142.3	2 093.0	1 592.3	2 685.3	2 264.5	2 143.7
63 Information service activities	284.4	278.9	307.1	245.7	211.8	292.6	305.4	304.0
64-66 Financial and insurance activities	19.6	22.8	30.5	17.6	21.6	31.8	36.0	30.2
68-82 Real estate; professional, scientific and technical; administrative and support	6 352.2	6 556.4	6 355.8	6 357.8	6 865.0	8 385.2	8 666.1	8 592.0
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	428.6	387.9	342.0	588.2	711.0	725.6	580.8	687.4
72 Scientific research and development	5 866.8	6 107.9	5 958.0	5 713.5	6 101.3	7 602.0	8 005.5	7 820.7
77-82 Administrative and support service activities	56.8	60.6	55.7	56.1	52.7	57.7	79.8	83.9
84-99 Community, social and personal services	..	..	..	..	..	..	..	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	..	..	..
86-88 Human health and social work activities	..	..	..	..	..	..	..	..
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	..	..
94-99 Other services; household-employers; extraterritorial bodies

.. Not available

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