

JAPAN

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

ISIC Rev. 4

Million USD PPP

	2011	2012	2013	2014	2015	2016	2017	2018
TOTAL BUSINESS ENTERPRISE	114 204.6	116 716.3	125 287.5	131 839.8	132 293.7	126 236.6	130 945.5	136 044.5
01-03 AGRICULTURE, FORESTRY AND FISHING	27.6	17.8	21.2	18.4	20.7	24.1	19.4	24.3
05-09 MINING AND QUARRYING	30.3	29.0	43.1	36.6	39.5	38.3	33.4	34.4
10-33 MANUFACTURING	100 352.8	102 653.6	111 166.7	114 069.5	114 684.6	109 710.9	113 701.8	117 724.3
10-12 Food products, beverages and tobacco	2 085.7	2 113.7	2 306.8	2 034.5	2 122.1	2 148.7	2 612.9	2 567.5
13-15 Textiles, wearing apparel, leather and related products	1 266.2	1 305.1	1 366.3	1 320.1	1 332.7	1 352.0	1 700.4	1 798.6
13 Textiles	1 191.3	1 240.0	1 297.4	1 244.3	1 267.6	1 303.6	1 650.5	1 713.2
14 Wearing apparel	40.9	29.6	30.8	41.0	27.5	18.8	20.5	51.9
15 Leather and related products, footwear	34.0	35.4	38.0	34.8	37.5	29.7	29.4	33.6
16-18 Wood and paper products and printing	734.3	677.2	579.6	590.3	568.4	605.2	625.4	645.7
16 Wood and wood products, except furniture	86.0	101.3	91.6	83.3	82.0	82.4	79.9	72.5
17 Paper and paper products	319.8	240.5	203.3	282.0	268.7	278.4	291.3	316.6
18 Printing and reproduction of recorded media	328.5	335.4	284.8	225.0	217.7	244.3	254.2	256.6
19-23 Chemical, rubber, plastic, non-metallic mineral products	22 802.7	24 183.4	26 445.0	26 988.8	27 063.5	25 956.5	27 311.4	26 929.6
19 Coke and refined petroleum products	447.7	440.0	462.4	408.4	427.8	430.0	448.3	444.7
20-21 Chemical and pharmaceutical products	18 371.2	19 688.5	21 608.5	21 821.4	21 984.6	20 861.5	21 994.8	21 428.2
20 Chemicals and chemical products	6 925.1	7 162.5	7 422.7	7 310.9	7 893.5	8 050.8	8 089.8	8 000.5
21 Pharmaceuticals, medicinal, chemical and botanical products	11 446.1	12 526.0	14 185.8	14 510.5	14 091.1	12 810.8	13 905.0	13 427.6
22 Rubber and plastic products	2 594.7	2 638.7	2 916.5	3 281.8	3 310.2	3 309.1	3 372.0	3 539.4
23 Other non-metallic mineral products	1 389.0	1 416.3	1 457.6	1 477.1	1 340.9	1 355.8	1 496.3	1 517.4
24-25 Basic metals, metal products, except machinery and equipment	2 865.7	2 658.2	2 747.4	2 975.0	2 835.3	2 692.0	2 791.3	2 794.3
24 Basic metals	2 360.2	2 166.9	2 256.9	2 459.5	2 372.7	2 222.4	2 231.2	2 235.1
25 Fabricated metal products, except machinery and equipment	505.5	491.4	490.5	515.5	462.6	469.7	560.1	559.2
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	68 596.4	69 587.1	75 291.2	77 941.2	78 954.0	75 239.7	76 790.3	80 466.8
26 Computer, electronic and optical products	29 244.8	28 387.1	28 750.8	28 017.8	27 883.9	24 905.7	25 331.6	26 477.0
27 Electrical equipment	3 221.7	3 267.6	3 467.5	3 428.3	3 418.5	3 418.5	3 556.8	3 689.4
28 Machinery and equipment n.e.c.	10 211.0	10 414.6	12 315.0	12 440.8	12 610.7	12 737.5	12 708.7	13 625.9
29 Motor vehicles, trailers and semi-trailers	25 408.9	26 930.1	29 995.1	33 184.4	33 977.3	33 120.1	33 977.6	35 466.1
30 Other transport equipment	510.1	587.7	762.7	869.9	1 063.5	1 058.0	1 215.6	1 208.4
31-33 Furniture; repair, installation of machinery and equipment	2 002.0	2 128.9	2 430.4	2 219.7	1 808.6	1 716.8	1 870.0	2 521.8
31 Furniture	106.8	98.0	97.4	108.8	106.4	136.1	124.9	139.9
32 Other manufacturing	1 895.2	2 030.9	2 333.0	2 110.9	1 702.2	1 580.7	1 745.1	2 381.9
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT	505.6	503.7	512.4	464.3	468.3	384.2	558.0	513.7
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
41-43 CONSTRUCTION	1 024.1	1 066.6	1 061.3	951.1	1 035.7	1 183.9	1 179.9	1 442.1
45-99 TOTAL SERVICES	12 264.2	12 445.6	12 482.7	16 299.8	16 044.8	14 895.1	15 453.1	16 305.7
45-82 Business sector services	12 264.2	12 445.6	12 482.7	16 299.8	16 044.8	14 895.1	15 453.1	16 305.7
45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs	313.1	463.2	489.0	641.1	723.1	714.3	696.9	853.5
49-53 Transportation and storage	326.9	425.8	519.2	561.5	439.1	434.5	520.7	536.9
55-56 Accommodation and food service activities	..	..	..	..	..	..	..	..
58-63 Information and communication	5 237.9	5 181.1	4 587.8	6 680.2	6 238.2	5 551.0	5 752.4	5 744.7
58-60 Publishing, audiovisual and broadcasting activities	8.7	9.5	18.9	16.3	15.7	28.1	30.8	24.8
58 Publishing activities	4.6	6.3	8.6	9.4	5.6	17.3	15.8	15.0
59-60 Motion picture, video and TV programme production; broadcasting activities	4.1	3.2	10.3	6.9	10.0	10.9	15.0	9.8
59 Motion picture, video and TV programme production; sound and music	0.7	0.7	1.8	1.9	2.2	3.5	4.9	3.4
60 Programming and broadcasting activities	3.5	2.5	8.5	5.0	7.9	7.4	10.1	6.4
61 Telecommunications	2 779.8	2 832.9	2 764.9	3 686.0	3 669.8	3 196.3	2 697.6	2 612.3
62-63 IT and other information services	2 449.5	2 338.7	1 804.0	2 977.9	2 552.8	2 326.5	3 024.0	3 107.6
62 Computer programming, consultancy and related activities	2 142.3	2 093.0	1 592.3	2 685.3	2 249.5	2 037.6	2 765.8	2 830.7
63 Information service activities	307.1	245.7	211.8	292.6	303.3	289.0	258.2	276.9
64-66 Financial and insurance activities	30.5	17.6	21.6	31.8	35.7	28.7	43.9	84.8
68-82 Real estate; professional, scientific and technical; administrative and support	6 355.8	6 357.8	6 865.0	8 385.2	8 608.6	8 166.6	8 439.1	9 085.7
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	342.0	588.2	711.0	725.6	577.0	653.4	593.5	656.3
72 Scientific research and development	5 958.0	5 713.5	6 101.3	7 602.0	7 952.3	7 433.5	7 773.8	8 334.5
77-82 Administrative and support service activities	55.7	56.1	52.7	57.7	79.3	79.8	71.8	94.9
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

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd/20200813/2abe>.

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