



# OECD Research and Development Expenditure in Industry

ANBERD



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and Development  
Expenditure in Industry  
2014**

ANBERD

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## Readers' guide

### Main features

This publication includes business R&D data in ISIC Rev. 4 for 28 OECD member economies and four non-member economies. Data for the remaining countries: Chile, Greece, Iceland, Ireland, Luxembourg, Russian Federation and South Africa are currently only available according to the previous classification, ISIC Rev. 3 and are not included in this publication. The data for these countries will become available in the coming months in ISIC Rev. 4.

The data according to different versions of ISIC classification are published in the following databases:

- OECD (2014), "STAN R&D: Research and Development Expenditure in Industry – Rev. 4", STAN: OECD Structural Analysis Statistics (database), <http://dx.doi.org/10.1787/data-00689-en>.
- OECD (2013), "STAN R&D: Research and Development Expenditure in Industry – Rev. 3, 2011", STAN: OECD Structural Analysis Statistics (database), <http://dx.doi.org/10.1787/data-00556-en>.

### Signs and abbreviations

- .. Not available.
- . Decimal point.
- n.e.c. not elsewhere classified.

### Sources and methods

- Documentation (PDF): [www.oecd.org/sti/inno/ANBERD\\_full\\_documentation.pdf](http://www.oecd.org/sti/inno/ANBERD_full_documentation.pdf).
- Industry coverage (XLS): [www.oecd.org/sti/inno/ANBERDcoverage.xls](http://www.oecd.org/sti/inno/ANBERDcoverage.xls).

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### Classification

- The International Standard Industrial Classification (ISIC) Rev. 4 is available online at <http://unstats.un.org/unsd/cr/registry/isic-4.asp>.

## ISIC Rev. 4 classification

Section	Divisions	Description
<b>A-U</b>	<b>01-99</b>	<b>TOTAL BUSINESS ENTERPRISE</b>
<b>A</b>	<b>01-03</b>	<b>AGRICULTURE, FORESTRY AND FISHING</b>
<b>B</b>	<b>05-09</b>	<b>MINING AND QUARRYING</b>
<b>C</b>	<b>10-33</b>	<b>MANUFACTURING</b>
	10-12	Manufacture of food products, beverages and tobacco
	13-15	
	13	Manufacture of textiles
	14	Manufacture of wearing apparel
	15	Manufacture of leather and related products
	16-18	
	16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
	17	Manufacture of paper and paper products
	18	Printing and reproduction of recorded media
	19-23	
	19	Manufacture of coke and refined petroleum products
	20-21	
	20	Manufacture of chemicals and chemical products
	21	Manufacture of basic pharmaceutical products and pharmaceutical preparations
	22	Manufacture of rubber and plastics products
	23	Manufacture of other non-metallic mineral products
	24-25	
	24	Manufacture of basic metals
	25	Manufacture of fabricated metal products, except machinery and equipment
	26-30	
	26	Manufacture of computer, electronic and optical products
	27	Manufacture of electrical equipment
	28	Manufacture of machinery and equipment n.e.c.
	29	Manufacture of motor vehicles, trailers and semi-trailers
	30	Manufacture of other transport equipment
	31-33	
	31	Manufacture of furniture
	32	Other manufacturing
	33	Repair and installation of machinery and equipment
<b>D+E</b>	<b>35-39</b>	<b>ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>
<b>D</b>	35-36	Electricity, gas and water
<b>E</b>	37-39	Sewerage, waste management, remediation activities
<b>F</b>	<b>41-43</b>	<b>CONSTRUCTION</b>
<b>G-U</b>	<b>45-99</b>	<b>TOTAL SERVICES</b>
<b>G-N</b>	45-82	Business sector services
<b>G</b>	45-47	<b>Wholesale and retail trade; motor vehicles and motorcycles repairs</b>
<b>H</b>	49-53	<b>Transportation and storage</b>
<b>I</b>	55-56	<b>Accommodation and food service activities</b>
<b>J</b>	58-63	<b>Information and communication</b>
	58-60	
	58	Publishing activities
	59-60	
	59	Motion picture, video and television programme production, sound recording and music publishing activities
	60	Programming and broadcasting activities
	61	Telecommunications
	62-63	
	62	Computer programming, consultancy and related activities
	63	Information service activities
<b>K</b>	<b>64-66</b>	<b>Financial and insurance activities</b>
<b>L-N</b>	<b>68-82</b>	<b>Real estate activities; professional, scientific and technical activities; administrative and support service activities</b>
<b>L</b>	68	Real estate activities
<b>Mx72</b>	69-75x72	Professional, scientific and technical activities, except scientific R&D
	72	Scientific research and development
<b>N</b>	77-82	Administrative and support service activities
<b>O-U</b>	84-99	Community, social and personal services
<b>O-P</b>	84-85	Public administration and defence; compulsory social security and education
<b>Q</b>	86-88	Human health and social work activities
<b>R</b>	90-93	Arts, entertainment and recreation
<b>S-U</b>	94-99	Other service activities; activities of households as employers; undifferentiated goods- and services-producing activities of households for own use; extraterritorial bodies, activities of extraterritorial organizations and bodies

# R&D expenditure in industry



# AUSTRALIA

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>7 515.5</b>	<b>8 984.2</b>	<b>10 545.7</b>	<b>11 690.6</b>	<b>11 619.1</b>	<b>11 955.7</b>	<b>12 124.9</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>75.0</b>	<b>88.2</b>	<b>83.3</b>	<b>98.9</b>	<b>127.4</b>	<b>122.2</b>	<b>125.5</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>1 335.8</b>	<b>1 971.0</b>	<b>2 410.3</b>	<b>2 937.2</b>	<b>2 574.2</b>	<b>2 548.7</b>	<b>2 716.1</b>	..
<b>10-33 MANUFACTURING</b>	<b>2 659.8</b>	<b>2 726.5</b>	<b>3 065.2</b>	<b>2 980.2</b>	<b>2 966.3</b>	<b>3 203.2</b>	<b>2 978.7</b>	..
10-12 Food products, beverages and tobacco	222.8	268.0	292.1	302.5	340.0	400.4	362.9	..
13-15 Textiles, wearing apparel, leather and related products	27.8	22.2	23.1	23.7	20.1	30.6	34.9	..
13 Textiles	20.3	15.5	14.0	14.5	11.6	14.5	16.8	..
14 Wearing apparel	3.0	3.3	4.6	5.0	4.5	5.1	4.6	..
15 Leather and related products, footwear	4.4	3.5	4.6	4.2	4.0	11.0	13.6	..
16-18 Wood and paper products and printing	109.2	101.3	99.5	90.4	180.9	144.3	68.7	..
16 Wood and wood products, except furniture	49.8	39.2	36.0	38.6	39.9	41.4	25.3	..
17 Paper and paper products	52.0	50.3	49.8	36.4	..	..	32.0	..
18 Printing and reproduction of recorded media	7.4	11.9	13.8	15.4	..	..	11.4	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	576.5	561.9	665.5	695.0	660.1	687.2	712.9	..
19 Coke and refined petroleum products	117.7	72.1	74.8	68.1	53.7	60.7	59.9	..
20-21 Chemical and pharmaceutical products	341.3	361.9	454.0	498.6	455.1	487.9	517.9	..
20 Chemicals and chemical products	163.3	157.3	230.3	221.3	189.1	236.4	250.6	..
21 Pharmaceuticals, medicinal, chemical and botanical products	178.0	204.6	223.7	277.3	266.1	251.4	267.2	..
22 Rubber and plastic products	52.2	50.8	55.2	52.3	50.5	65.6	67.6	..
23 Other non-metallic mineral products	65.3	77.1	81.5	76.1	100.7	73.0	67.6	..
24-25 Basic metals, metal products, except machinery and equipment	457.6	464.0	556.5	553.3	434.4	531.8	482.6	..
24 Basic metals	377.3	373.9	432.6	439.4	303.8	345.8	334.5	..
25 Fabricated metal products, except machinery and equipment	80.3	90.1	123.8	113.9	130.6	186.0	148.1	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 094.2	1 185.2	1 282.4	1 156.0	1 172.7	1 226.5	1 110.8	..
26 Computer, electronic and optical products	182.7	204.6	225.3	272.3	254.7	248.3	237.9	..
27 Electrical equipment	47.0	55.3	64.2	52.6	64.5	62.5	86.8	..
28 Machinery and equipment n.e.c.	284.6	317.2	306.6	256.6	263.7	287.4	239.2	..
29 Motor vehicles, trailers and semi-trailers	432.1	446.8	529.3	425.3	452.0	468.8	440.7	..
30 Other transport equipment	147.9	161.4	157.0	149.2	137.9	159.6	106.2	..
31-33 Furniture; repair, installation of machinery and equipment	171.7	134.0	159.1	159.4	158.1	182.5	205.9	..
31 Furniture	..	6.3	4.7	5.7	6.7	7.9	12.2	..
32 Other manufacturing	..	117.5	141.3	140.4	138.7	161.7	175.8	..
33 Repair and installation of machinery and equipment	..	10.2	13.1	13.3	12.7	12.9	17.9	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>79.1</b>	<b>105.9</b>	<b>169.5</b>	<b>243.3</b>	<b>281.7</b>	<b>280.1</b>	<b>250.2</b>	..
35-36 Electricity, gas and water	..	56.2	111.8	170.6	201.9	184.6	173.7	..
37-39 Sewerage, waste management and remediation activities	..	49.7	57.7	72.6	79.7	95.5	76.6	..
<b>41-43 CONSTRUCTION</b>	<b>280.7</b>	<b>336.6</b>	<b>527.0</b>	<b>627.8</b>	<b>600.0</b>	<b>667.7</b>	<b>542.3</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>3 085.1</b>	<b>3 745.7</b>	<b>4 277.3</b>	<b>4 803.2</b>	<b>5 069.6</b>	<b>5 132.8</b>	<b>5 512.0</b>	..
<b>45-82 Business sector services</b>	<b>3 018.3</b>	<b>3 681.5</b>	<b>4 195.0</b>	<b>4 697.5</b>	<b>4 957.5</b>	<b>5 015.4</b>	<b>5 362.8</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>516.7</b>	<b>667.6</b>	<b>667.1</b>	<b>664.1</b>	<b>615.6</b>	<b>549.4</b>	<b>573.1</b>	..
<b>49-53 Transportation and storage</b>	<b>90.1</b>	<b>127.9</b>	<b>155.0</b>	<b>158.3</b>	<b>179.1</b>	<b>194.0</b>	<b>193.8</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>8.9</b>	<b>8.3</b>	<b>12.0</b>	<b>18.1</b>	<b>15.4</b>	<b>10.4</b>	<b>14.2</b>	..
<b>58-63 Information and communication</b>	<b>910.7</b>	<b>1 195.0</b>	<b>1 266.5</b>	<b>1 256.1</b>	<b>1 066.5</b>	<b>1 111.9</b>	<b>1 215.2</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	103.9	153.3	143.4	118.6	123.2	119.4	..
58 Publishing activities	..	90.8	138.3	116.8	79.7	82.5	84.6	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	13.0	14.9	26.6	39.0	40.6	34.7	..
59 Motion picture, video and TV programme production; sound and music	..	..	7.3	9.5	13.2	13.5	13.4	..
60 Programming and broadcasting activities	..	..	7.6	17.2	25.7	27.2	21.4	..
61 Telecommunications	249.5	446.5	399.3	400.3	202.8	233.5	319.0	..
62-63 IT and other information services	..	644.6	713.9	712.5	745.1	755.3	776.7	..
62 Computer programming, consultancy and related activities	..	627.9	695.6	696.2	728.2	735.8	751.1	..
63 Information service activities	..	16.7	18.2	16.3	16.9	19.5	25.6	..
<b>64-66 Financial and insurance activities</b>	<b>682.0</b>	<b>788.5</b>	<b>1 021.5</b>	<b>1 425.4</b>	<b>1 812.8</b>	<b>1 838.1</b>	<b>1 975.6</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>809.8</b>	<b>894.3</b>	<b>1 073.0</b>	<b>1 175.4</b>	<b>1 268.3</b>	<b>1 312.6</b>	<b>1 391.0</b>	..
68 Real estate activities	..	17.1	7.1	30.0	11.8	9.2	15.2	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	385.8	449.4	559.3	574.7	635.1	668.0	..
72 Scientific research and development	397.6	418.9	493.0	489.6	463.8	426.3	454.9	..
77-82 Administrative and support service activities	..	72.5	123.5	96.5	218.0	242.0	252.9	..
84-99 Community, social and personal services	66.8	64.1	82.2	105.7	112.0	117.5	149.2	..
84-85 Public administration and defence; compulsory social security and education	..	7.5	4.9	10.3	10.9	13.4	17.5	..
86-88 Human health and social work activities	..	29.9	39.7	50.6	53.5	53.0	62.5	..
90-93 Arts, entertainment and recreation	..	8.7	18.7	22.2	23.4	27.2	47.9	..
94-99 Other services; household-employers; extraterritorial bodies	..	18.1	18.9	22.6	24.2	23.8	21.2	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# AUSTRALIA

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>7 515.5</b>	<b>8 678.2</b>	<b>9 881.6</b>	<b>10 815.5</b>	<b>10 387.0</b>	<b>10 523.1</b>	<b>10 546.1</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>75.0</b>	<b>85.2</b>	<b>78.0</b>	<b>91.5</b>	<b>113.9</b>	<b>107.6</b>	<b>109.2</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>1 335.8</b>	<b>1 903.9</b>	<b>2 258.5</b>	<b>2 717.3</b>	<b>2 301.2</b>	<b>2 243.3</b>	<b>2 362.4</b>	..
<b>10-33 MANUFACTURING</b>	<b>2 659.8</b>	<b>2 633.6</b>	<b>2 872.1</b>	<b>2 757.1</b>	<b>2 651.7</b>	<b>2 819.4</b>	<b>2 590.8</b>	..
10-12 Food products, beverages and tobacco	222.8	258.8	273.7	279.8	303.9	352.4	315.6	..
13-15 Textiles, wearing apparel, leather and related products	27.8	21.5	21.7	21.9	18.0	26.9	30.4	..
13 Textiles	20.3	15.0	13.1	13.4	10.4	12.8	14.6	..
14 Wearing apparel	3.0	3.2	4.3	4.6	4.0	4.5	4.0	..
15 Leather and related products, footwear	4.4	3.4	4.3	3.9	3.6	9.6	11.8	..
16-18 Wood and paper products and printing	109.2	97.8	93.3	83.6	161.7	127.0	59.7	..
16 Wood and wood products, except furniture	49.8	37.9	33.7	35.7	35.6	36.5	22.0	..
17 Paper and paper products	52.0	48.5	46.7	33.7	..	..	27.8	..
18 Printing and reproduction of recorded media	7.4	11.5	12.9	14.3	..	..	10.0	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	576.5	542.8	623.6	642.9	590.1	604.8	620.1	..
19 Coke and refined petroleum products	117.7	69.7	70.1	63.0	48.0	53.4	52.1	..
20-21 Chemical and pharmaceutical products	341.3	349.5	425.4	461.2	406.9	429.4	450.4	..
20 Chemicals and chemical products	163.3	151.9	215.8	204.7	169.0	208.1	218.0	..
21 Pharmaceuticals, medicinal, chemical and botanical products	178.0	197.6	209.6	256.5	237.9	221.3	232.4	..
22 Rubber and plastic products	52.2	49.0	51.7	48.4	45.1	57.7	58.8	..
23 Other non-metallic mineral products	65.3	74.5	76.4	70.4	90.1	64.3	58.8	..
24-25 Basic metals, metal products, except machinery and equipment	457.6	448.2	521.4	511.9	388.3	468.1	419.7	..
24 Basic metals	377.3	361.2	405.4	406.5	271.6	304.4	290.9	..
25 Fabricated metal products, except machinery and equipment	80.3	87.1	116.0	105.4	116.8	163.7	128.8	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 094.2	1 144.8	1 201.6	1 069.5	1 048.3	1 079.5	966.2	..
26 Computer, electronic and optical products	182.7	197.6	211.1	251.9	227.7	218.5	206.9	..
27 Electrical equipment	47.0	53.4	60.2	48.7	57.7	55.0	75.5	..
28 Machinery and equipment n.e.c.	284.6	306.4	287.3	237.4	235.7	252.9	208.1	..
29 Motor vehicles, trailers and semi-trailers	432.1	431.6	495.9	393.5	404.0	412.6	383.3	..
30 Other transport equipment	147.9	155.9	147.1	138.0	123.3	140.5	92.4	..
31-33 Furniture; repair, installation of machinery and equipment	171.7	129.4	149.1	147.4	141.3	160.6	179.1	..
31 Furniture	..	6.0	4.4	5.3	6.0	7.0	10.6	..
32 Other manufacturing	..	113.5	132.4	129.9	124.0	142.3	152.9	..
33 Repair and installation of machinery and equipment	..	9.9	12.3	12.3	11.3	11.4	15.5	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>79.1</b>	<b>102.3</b>	<b>158.9</b>	<b>225.1</b>	<b>251.8</b>	<b>246.6</b>	<b>217.6</b>	..
35-36 Electricity, gas and water	..	54.2	104.7	157.9	180.5	162.5	151.0	..
37-39 Sewerage, waste management and remediation activities	..	48.0	54.1	67.2	71.3	84.0	66.7	..
<b>41-43 CONSTRUCTION</b>	<b>280.7</b>	<b>325.2</b>	<b>493.8</b>	<b>580.8</b>	<b>536.4</b>	<b>587.7</b>	<b>471.7</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>3 085.1</b>	<b>3 618.1</b>	<b>4 007.9</b>	<b>4 443.7</b>	<b>4 532.0</b>	<b>4 517.8</b>	<b>4 794.3</b>	..
<b>45-82 Business sector services</b>	<b>3 018.3</b>	<b>3 556.1</b>	<b>3 930.9</b>	<b>4 345.9</b>	<b>4 431.8</b>	<b>4 414.4</b>	<b>4 664.6</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>516.7</b>	<b>644.9</b>	<b>625.1</b>	<b>614.4</b>	<b>550.3</b>	<b>483.5</b>	<b>498.5</b>	..
<b>49-53 Transportation and storage</b>	<b>90.1</b>	<b>123.6</b>	<b>145.3</b>	<b>146.5</b>	<b>160.1</b>	<b>170.8</b>	<b>168.5</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>8.9</b>	<b>8.0</b>	<b>11.2</b>	<b>16.8</b>	<b>13.8</b>	<b>9.1</b>	<b>12.4</b>	..
<b>58-63 Information and communication</b>	<b>910.7</b>	<b>1 154.2</b>	<b>1 186.7</b>	<b>1 162.1</b>	<b>953.4</b>	<b>978.7</b>	<b>1 057.0</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	100.3	143.6	132.7	106.0	108.4	103.8	..
58 Publishing activities	..	87.7	129.6	108.0	71.2	72.6	73.6	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	12.6	14.0	24.6	34.8	35.8	30.2	..
59 Motion picture, video and TV programme production; sound and music	..	..	6.8	8.8	11.8	11.9	11.6	..
60 Programming and broadcasting activities	..	..	7.2	15.9	23.0	23.9	18.6	..
61 Telecommunications	249.5	431.3	374.2	370.3	181.3	205.5	277.4	..
62-63 IT and other information services	..	622.7	668.9	659.1	666.1	664.8	675.6	..
62 Computer programming, consultancy and related activities	..	606.5	651.8	644.1	650.9	647.6	653.3	..
63 Information service activities	..	16.1	17.1	15.1	15.1	17.2	22.3	..
<b>64-66 Financial and insurance activities</b>	<b>682.0</b>	<b>761.6</b>	<b>957.1</b>	<b>1 318.7</b>	<b>1 620.6</b>	<b>1 617.8</b>	<b>1 718.3</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>809.8</b>	<b>863.8</b>	<b>1 005.5</b>	<b>1 087.4</b>	<b>1 133.8</b>	<b>1 155.3</b>	<b>1 209.8</b>	..
68 Real estate activities	..	16.5	6.7	27.8	10.5	8.1	13.2	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	372.6	421.1	517.4	513.7	559.0	581.0	..
72 Scientific research and development	397.6	404.6	461.9	452.9	414.6	375.2	395.7	..
77-82 Administrative and support service activities	..	70.0	115.7	89.3	194.9	213.0	219.9	..
84-99 Community, social and personal services	66.8	61.9	77.0	97.8	100.2	103.4	129.7	..
84-85 Public administration and defence; compulsory social security and education	..	7.2	4.6	9.5	9.7	11.8	15.3	..
86-88 Human health and social work activities	..	28.8	37.2	46.8	47.8	46.6	54.3	..
90-93 Arts, entertainment and recreation	..	8.4	17.5	20.5	20.9	24.0	41.7	..
94-99 Other services; household-employers; extraterritorial bodies	..	17.5	17.7	21.0	21.6	21.0	18.5	..

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# AUSTRIA

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>4 746.9</b>	<b>5 199.6</b>	<b>5 581.5</b>	<b>6 138.0</b>	<b>6 055.7</b>	<b>6 457.9</b>	<b>6 858.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>2.1</b>	<b>2.0</b>	<b>1.6</b>	<b>1.6</b>	<b>1.7</b>	<b>2.1</b>	<b>2.4</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>6.2</b>	<b>8.4</b>	<b>8.8</b>	<b>7.5</b>	<b>5.3</b>	<b>5.6</b>	<b>7.2</b>	..
<b>10-33 MANUFACTURING</b>	<b>3 398.3</b>	<b>3 693.3</b>	<b>3 896.5</b>	<b>4 220.2</b>	<b>4 084.9</b>	<b>4 238.2</b>	<b>4 368.3</b>	..
10-12 Food products, beverages and tobacco	26.2	26.6	26.3	33.5	38.2	38.7	34.5	..
13-15 Textiles, wearing apparel, leather and related products	37.5	37.2	35.9	33.5	26.9	24.4	23.4	..
13 Textiles	20.2	21.8	21.4	19.0	14.2	12.8	12.9	..
14 Wearing apparel	12.0	11.0	10.6	10.4	8.7	7.9	7.3	..
15 Leather and related products, footwear	5.3	4.4	3.9	4.1	3.9	3.7	3.2	..
16-18 Wood and paper products and printing	64.4	68.1	52.0	55.9	63.9	68.1	65.4	..
16 Wood and wood products, except furniture	22.6	23.4	15.3	17.2	21.6	22.1	18.4	..
17 Paper and paper products	18.8	20.0	16.2	15.7	17.1	22.2	28.4	..
18 Printing and reproduction of recorded media	23.0	24.7	20.5	23.1	25.2	23.8	18.6	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	588.4	663.7	712.4	736.1	671.5	696.7	746.7	..
19 Coke and refined petroleum products	14.7	18.5	18.7	18.2	15.4	14.1	13.0	..
20-21 Chemical and pharmaceutical products	398.1	470.4	486.6	486.4	433.2	440.0	463.6	..
20 Chemicals and chemical products	129.8	146.4	164.0	192.3	204.3	231.9	258.5	..
21 Pharmaceuticals, medicinal, chemical and botanical products	268.4	324.0	322.6	294.1	228.9	208.1	205.2	..
22 Rubber and plastic products	95.2	102.8	123.2	139.6	135.9	145.7	157.8	..
23 Other non-metallic mineral products	80.4	72.0	83.8	91.9	87.1	96.9	112.3	..
24-25 Basic metals, metal products, except machinery and equipment	250.7	277.6	269.2	297.1	307.3	323.7	326.4	..
24 Basic metals	138.0	146.9	135.1	149.5	156.1	157.3	145.9	..
25 Fabricated metal products, except machinery and equipment	112.7	130.7	134.2	147.6	151.2	166.4	180.5	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	2 335.4	2 502.9	2 655.5	2 902.5	2 820.6	2 910.2	2 967.3	..
26 Computer, electronic and optical products	1 227.7	1 100.3	610.4	527.5	626.8	675.8	631.1	..
27 Electrical equipment	112.9	328.7	860.5	1 101.3	981.6	924.8	886.4	..
28 Machinery and equipment n.e.c.	469.9	504.6	563.5	637.7	648.3	728.2	819.0	..
29 Motor vehicles, trailers and semi-trailers	415.5	434.0	479.8	495.0	438.2	451.5	490.2	..
30 Other transport equipment	109.3	135.3	141.3	141.0	125.7	130.0	140.5	..
31-33 Furniture; repair, installation of machinery and equipment	95.8	117.2	145.1	161.6	156.6	176.4	204.7	..
31 Furniture	..	14.1	33.1	32.4	20.0	18.5	24.1	..
32 Other manufacturing	..	79.6	91.7	109.0	111.2	113.9	111.3	..
33 Repair and installation of machinery and equipment	..	23.5	20.3	20.2	25.4	44.0	69.2	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>12.5</b>	<b>14.0</b>	<b>15.7</b>	<b>16.2</b>	<b>15.4</b>	<b>18.9</b>	<b>24.4</b>	..
35-36 Electricity, gas and water	..	10.8	10.1	11.3	12.6	15.8	19.3	..
37-39 Sewerage, waste management and remediation activities	..	3.2	5.6	4.9	2.8	3.2	5.2	..
<b>41-43 CONSTRUCTION</b>	<b>28.0</b>	<b>29.4</b>	<b>23.2</b>	<b>26.6</b>	<b>34.6</b>	<b>46.1</b>	<b>57.2</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>1 299.7</b>	<b>1 452.5</b>	<b>1 635.8</b>	<b>1 866.0</b>	<b>1 913.8</b>	<b>2 147.0</b>	<b>2 399.2</b>	..
<b>45-82 Business sector services</b>	<b>1 297.4</b>	<b>1 449.8</b>	<b>1 634.0</b>	<b>1 863.8</b>	<b>1 910.5</b>	<b>2 142.4</b>	<b>2 393.6</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>171.4</b>	<b>241.0</b>	<b>260.1</b>	<b>292.5</b>	<b>304.3</b>	<b>335.3</b>	<b>361.9</b>	..
<b>49-53 Transportation and storage</b>	<b>4.7</b>	<b>7.3</b>	<b>9.1</b>	<b>9.4</b>	<b>7.9</b>	<b>7.2</b>	<b>6.7</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	<b>236.5</b>	<b>280.2</b>	<b>347.0</b>	<b>332.5</b>	<b>264.7</b>	<b>309.6</b>	<b>416.6</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	25.1	50.5	40.3	14.1	12.1	26.5	..
58 Publishing activities	..	22.5	45.7	36.5	12.8	11.2	24.7	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	2.6	4.8	3.8	1.3	0.8	1.7	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	44.7	46.0	49.9	55.3	53.7	56.8	60.4	..
62-63 IT and other information services	..	209.2	246.7	236.9	197.0	240.8	329.7	..
62 Computer programming, consultancy and related activities	..	182.1	185.9	189.8	175.0	193.1	223.4	..
63 Information service activities	..	27.1	60.7	47.1	22.0	47.7	106.2	..
<b>64-66 Financial and insurance activities</b>	<b>54.1</b>	<b>35.3</b>	<b>10.1</b>	<b>26.9</b>	<b>53.7</b>	<b>55.4</b>	<b>36.1</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>830.8</b>	<b>886.0</b>	<b>1 007.7</b>	<b>1 202.5</b>	<b>1 279.9</b>	<b>1 434.9</b>	<b>1 572.3</b>	..
68 Real estate activities	..	1.6	1.5	1.0	0.3	0.3	0.7	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	405.2	476.0	524.4	509.6	559.7	626.3	..
72 Scientific research and development	477.8	476.5	526.9	671.8	762.4	864.6	932.6	..
77-82 Administrative and support service activities	..	2.7	3.3	5.3	7.6	10.3	12.8	..
84-99 Community, social and personal services	2.3	2.7	1.8	2.1	3.3	4.6	5.6	..
84-85 Public administration and defence; compulsory social security and education	..	0.9	1.4	1.4	2.0	2.6	3.1	..
86-88 Human health and social work activities	..	1.6	0.1	0.2	0.2	0.4	0.8	..
90-93 Arts, entertainment and recreation	..	0.0	0.0	0.3	0.6	0.7	0.6	..
94-99 Other services; household-employers; extraterritorial bodies	..	0.2	0.3	0.3	0.4	0.8	1.2	..

.. Not available

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# AUSTRIA

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>4 746.9</b>	<b>4 926.0</b>	<b>5 260.3</b>	<b>5 583.9</b>	<b>5 350.4</b>	<b>5 627.4</b>	<b>5 777.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>2.1</b>	<b>1.9</b>	<b>1.5</b>	<b>1.4</b>	<b>1.5</b>	<b>1.8</b>	<b>2.0</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>6.2</b>	<b>7.9</b>	<b>8.3</b>	<b>6.8</b>	<b>4.7</b>	<b>4.9</b>	<b>6.1</b>	..
<b>10-33 MANUFACTURING</b>	<b>3 398.3</b>	<b>3 499.0</b>	<b>3 672.3</b>	<b>3 839.3</b>	<b>3 609.1</b>	<b>3 693.2</b>	<b>3 679.8</b>	..
10-12 Food products, beverages and tobacco	26.2	25.2	24.8	30.5	33.7	33.7	29.1	..
13-15 Textiles, wearing apparel, leather and related products	37.5	35.2	33.8	30.5	23.7	21.3	19.7	..
13 Textiles	20.2	20.7	20.1	17.3	12.6	11.1	10.8	..
14 Wearing apparel	12.0	10.4	10.0	9.4	7.7	6.9	6.2	..
15 Leather and related products, footwear	5.3	4.2	3.7	3.7	3.5	3.2	2.7	..
16-18 Wood and paper products and printing	64.4	64.5	49.0	50.8	56.4	59.4	55.1	..
16 Wood and wood products, except furniture	22.6	22.1	14.5	15.6	19.1	19.3	15.5	..
17 Paper and paper products	18.8	19.0	15.3	14.3	15.1	19.4	23.9	..
18 Printing and reproduction of recorded media	23.0	23.4	19.3	21.0	22.3	20.8	15.7	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	588.4	628.8	671.4	669.7	593.3	607.1	629.0	..
19 Coke and refined petroleum products	14.7	17.5	17.7	16.5	13.6	12.3	10.9	..
20-21 Chemical and pharmaceutical products	398.1	445.6	458.6	442.5	382.8	383.4	390.6	..
20 Chemicals and chemical products	129.8	138.7	154.6	174.9	180.5	202.1	217.7	..
21 Pharmaceuticals, medicinal, chemical and botanical products	268.4	306.9	304.1	267.6	202.3	181.4	172.8	..
22 Rubber and plastic products	95.2	97.4	116.1	127.0	120.1	126.9	133.0	..
23 Other non-metallic mineral products	80.4	68.2	78.9	83.6	76.9	84.5	94.6	..
24-25 Basic metals, metal products, except machinery and equipment	250.7	263.0	253.7	270.3	271.5	282.0	274.9	..
24 Basic metals	138.0	139.2	127.3	136.0	137.9	137.1	122.9	..
25 Fabricated metal products, except machinery and equipment	112.7	123.8	126.4	134.3	133.6	145.0	152.0	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	2 335.4	2 371.2	2 502.7	2 640.5	2 492.1	2 536.0	2 499.6	..
26 Computer, electronic and optical products	1 227.7	1 042.4	575.3	479.8	553.8	588.9	531.6	..
27 Electrical equipment	112.9	311.4	810.9	1 001.9	867.3	805.8	746.7	..
28 Machinery and equipment n.e.c.	469.9	478.0	531.0	580.1	572.8	634.5	689.9	..
29 Motor vehicles, trailers and semi-trailers	415.5	411.2	452.2	450.3	387.1	393.4	413.0	..
30 Other transport equipment	109.3	128.2	133.2	128.3	111.1	113.3	118.4	..
31-33 Furniture; repair, installation of machinery and equipment	95.8	111.0	136.8	147.0	138.3	153.7	172.4	..
31 Furniture	..	13.4	31.2	29.5	17.6	16.1	20.3	..
32 Other manufacturing	..	75.4	86.5	99.1	98.3	99.2	93.8	..
33 Repair and installation of machinery and equipment	..	22.3	19.1	18.4	22.4	38.3	58.3	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>12.5</b>	<b>13.3</b>	<b>14.8</b>	<b>14.7</b>	<b>13.6</b>	<b>16.5</b>	<b>20.6</b>	..
35-36 Electricity, gas and water	..	10.2	9.5	10.3	11.1	13.7	16.2	..
37-39 Sewerage, waste management and remediation activities	..	3.1	5.3	4.5	2.5	2.8	4.3	..
<b>41-43 CONSTRUCTION</b>	<b>28.0</b>	<b>27.9</b>	<b>21.9</b>	<b>24.2</b>	<b>30.6</b>	<b>40.2</b>	<b>48.2</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>1 299.7</b>	<b>1 376.1</b>	<b>1 541.6</b>	<b>1 697.5</b>	<b>1 690.9</b>	<b>1 870.9</b>	<b>2 021.0</b>	..
<b>45-82 Business sector services</b>	<b>1 297.4</b>	<b>1 373.5</b>	<b>1 540.0</b>	<b>1 695.6</b>	<b>1 688.0</b>	<b>1 866.9</b>	<b>2 016.3</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>171.4</b>	<b>228.4</b>	<b>245.1</b>	<b>266.1</b>	<b>268.8</b>	<b>292.2</b>	<b>304.9</b>	..
<b>49-53 Transportation and storage</b>	<b>4.7</b>	<b>6.9</b>	<b>8.6</b>	<b>8.6</b>	<b>7.0</b>	<b>6.3</b>	<b>5.6</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	<b>236.5</b>	<b>265.5</b>	<b>327.1</b>	<b>302.5</b>	<b>233.9</b>	<b>269.8</b>	<b>351.0</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	23.8	47.6	36.7	12.4	10.5	22.3	..
58 Publishing activities	..	21.3	43.1	33.2	11.3	9.8	20.8	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	2.5	4.5	3.4	1.1	0.7	1.5	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	44.7	43.5	47.1	50.3	47.4	49.5	50.9	..
62-63 IT and other information services	..	198.2	232.5	215.5	174.0	209.8	277.7	..
62 Computer programming, consultancy and related activities	..	172.5	175.2	172.6	154.6	168.3	188.2	..
63 Information service activities	..	25.7	57.2	42.9	19.4	41.5	89.5	..
<b>64-66 Financial and insurance activities</b>	<b>54.1</b>	<b>33.5</b>	<b>9.5</b>	<b>24.4</b>	<b>47.5</b>	<b>48.2</b>	<b>30.4</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>830.8</b>	<b>839.3</b>	<b>949.7</b>	<b>1 094.0</b>	<b>1 130.8</b>	<b>1 250.4</b>	<b>1 324.5</b>	..
68 Real estate activities	..	1.5	1.4	0.9	0.3	0.3	0.6	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	383.8	448.6	477.0	450.2	487.7	527.6	..
72 Scientific research and development	477.8	451.4	496.6	611.2	673.6	753.4	785.6	..
77-82 Administrative and support service activities	..	2.6	3.1	4.8	6.7	8.9	10.8	..
84-99 Community, social and personal services	2.3	2.6	1.7	1.9	2.9	4.0	4.7	..
84-85 Public administration and defence; compulsory social security and education	..	0.9	1.3	1.3	1.8	2.3	2.6	..
86-88 Human health and social work activities	..	1.5	0.1	0.1	0.2	0.4	0.7	..
90-93 Arts, entertainment and recreation	..	0.0	0.0	0.2	0.6	0.6	0.5	..
94-99 Other services; household-employers; extraterritorial bodies	..	0.2	0.3	0.3	0.4	0.7	1.0	..

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# BELGIUM

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>4 197.0</b>	<b>4 654.6</b>	<b>4 980.3</b>	<b>5 323.4</b>	<b>5 350.5</b>	<b>5 886.8</b>	<b>6 690.9</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>22.7</b>	<b>27.2</b>	<b>32.1</b>	<b>30.8</b>	<b>31.6</b>	<b>29.1</b>	<b>30.8</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>3.2</b>	<b>2.3</b>	<b>2.2</b>	<b>1.9</b>	<b>1.9</b>	<b>5.9</b>	<b>7.7</b>	..
<b>10-33 MANUFACTURING</b>	<b>2 873.2</b>	<b>3 136.4</b>	<b>3 384.9</b>	<b>3 444.7</b>	<b>3 456.7</b>	<b>3 531.3</b>	<b>4 210.3</b>	..
10-12 Food products, beverages and tobacco	111.2	100.6	105.9	108.6	119.2	131.0	145.1	..
13-15 Textiles, wearing apparel, leather and related products	49.2	49.9	58.2	52.9	53.8	58.9	67.5	..
13 Textiles	42.4	42.2	47.2	44.1	45.5	48.8	52.0	..
14 Wearing apparel	4.0	4.0	4.8	2.5	2.7	6.0	6.3	..
15 Leather and related products, footwear	2.8	3.7	6.3	6.3	5.6	4.0	9.2	..
16-18 Wood and paper products and printing	18.1	16.6	17.5	20.1	22.1	19.0	23.2	..
16 Wood and wood products, except furniture	6.2	6.0	6.6	5.7	6.1	5.9	6.8	..
17 Paper and paper products	9.4	9.0	9.2	9.9	10.6	9.6	12.4	..
18 Printing and reproduction of recorded media	2.4	1.6	1.7	4.5	5.4	3.6	4.0	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 336.2	1 633.5	1 779.7	1 812.8	1 845.3	1 857.1	2 312.1	..
19 Coke and refined petroleum products	22.6	20.4	20.7	13.8	14.8	6.7	7.8	..
20-21 Chemical and pharmaceutical products	1 180.3	1 437.2	1 576.9	1 642.7	1 663.2	1 679.6	2 119.5	..
20 Chemicals and chemical products	372.8	310.6	336.4	338.8	323.5	341.2	417.4	..
21 Pharmaceuticals, medicinal, chemical and botanical products	807.5	1 126.6	1 240.5	1 303.9	1 339.7	1 338.4	1 702.0	..
22 Rubber and plastic products	85.7	124.9	128.3	98.0	95.7	100.5	108.7	..
23 Other non-metallic mineral products	47.7	51.0	53.8	58.3	71.7	70.4	76.2	..
24-25 Basic metals, metal products, except machinery and equipment	190.8	187.2	191.9	177.3	183.6	231.7	273.7	..
24 Basic metals	113.2	102.9	110.3	112.3	110.8	132.9	167.6	..
25 Fabricated metal products, except machinery and equipment	77.6	84.3	81.6	65.0	72.7	98.7	106.1	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 108.2	1 112.3	1 190.3	1 237.1	1 192.1	1 197.5	1 348.0	..
26 Computer, electronic and optical products	551.3	482.1	528.3	539.9	529.4	478.7	507.1	..
27 Electrical equipment	191.0	191.4	196.3	250.0	230.2	236.3	264.4	..
28 Machinery and equipment n.e.c.	212.3	260.4	271.6	246.4	225.9	254.4	286.5	..
29 Motor vehicles, trailers and semi-trailers	68.8	74.3	94.2	101.0	98.5	104.0	135.1	..
30 Other transport equipment	84.8	104.2	99.8	99.8	108.1	124.2	154.8	..
31-33 Furniture; repair, installation of machinery and equipment	59.5	36.4	41.5	35.9	40.6	36.0	40.7	..
31 Furniture	..	..	..	9.4	10.7	9.5	10.3	..
32 Other manufacturing	..	..	..	11.8	15.0	13.9	16.0	..
33 Repair and installation of machinery and equipment	..	..	..	14.6	15.0	12.6	14.4	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>6.1</b>	<b>8.4</b>	<b>10.6</b>	<b>28.8</b>	<b>19.4</b>	<b>59.4</b>	<b>68.2</b>	..
35-36 Electricity, gas and water	..	..	..	20.9	11.6	40.9	51.2	..
37-39 Sewerage, waste management and remediation activities	..	..	..	7.8	7.8	18.4	17.0	..
<b>41-43 CONSTRUCTION</b>	<b>49.4</b>	<b>72.6</b>	<b>63.7</b>	<b>51.3</b>	<b>58.2</b>	<b>74.6</b>	<b>67.0</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>1 242.5</b>	<b>1 407.6</b>	<b>1 486.7</b>	<b>1 765.6</b>	<b>1 782.6</b>	<b>2 186.5</b>	<b>2 306.8</b>	..
<b>45-82 Business sector services</b>	<b>1 236.3</b>	<b>1 395.8</b>	<b>1 473.6</b>	<b>1 759.0</b>	<b>1 775.1</b>	<b>2 175.4</b>	<b>2 292.5</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>99.8</b>	<b>79.3</b>	<b>87.3</b>	<b>127.4</b>	<b>127.2</b>	<b>163.2</b>	<b>160.7</b>	..
<b>49-53 Transportation and storage</b>	<b>46.3</b>	<b>15.1</b>	<b>15.6</b>	<b>14.4</b>	<b>19.5</b>	<b>14.2</b>	<b>18.0</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>3.1</b>	<b>1.4</b>	<b>1.5</b>	<b>1.1</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	<b>316.9</b>	<b>449.9</b>	<b>441.4</b>	<b>424.6</b>	<b>438.0</b>	<b>579.3</b>	<b>665.0</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	22.8	21.9	26.8	31.7	..
58 Publishing activities	..	..	..	14.9	14.8	19.7	21.9	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	7.9	7.1	7.1	9.7	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	2.7	2.2	5.2	7.4	..
60 Programming and broadcasting activities	..	..	..	5.2	4.9	1.8	2.3	..
61 Telecommunications	119.2	188.3	178.1	141.0	139.5	202.3	247.6	..
62-63 IT and other information services	..	..	..	260.9	276.6	350.1	385.7	..
62 Computer programming, consultancy and related activities	..	..	..	227.2	239.2	312.7	350.3	..
63 Information service activities	..	..	..	33.6	37.4	37.4	35.4	..
<b>64-66 Financial and insurance activities</b>	<b>64.7</b>	<b>82.0</b>	<b>96.5</b>	<b>118.1</b>	<b>121.8</b>	<b>118.0</b>	<b>124.8</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>705.6</b>	<b>768.1</b>	<b>831.3</b>	<b>1 073.4</b>	<b>1 067.3</b>	<b>1 300.6</b>	<b>1 324.0</b>	..
68 Real estate activities	..	..	..	0.2	0.3	0.9	0.9	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	501.8	493.4	646.3	676.3	..
72 Scientific research and development	461.1	442.2	481.5	436.2	458.0	622.9	613.4	..
77-82 Administrative and support service activities	..	..	..	135.3	115.6	30.6	33.4	..
84-99 Community, social and personal services	6.2	11.8	13.0	6.6	7.6	11.1	14.4	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	0.9	1.0	0.8	0.9	..
86-88 Human health and social work activities	..	..	..	5.1	5.2	9.0	11.9	..
90-93 Arts, entertainment and recreation	..	..	..	0.0	0.4	0.0	0.0	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	0.6	1.0	1.3	1.5	..

.. Not available

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# BELGIUM

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>4 197.0</b>	<b>4 459.3</b>	<b>4 689.8</b>	<b>4 830.1</b>	<b>4 696.2</b>	<b>5 057.3</b>	<b>5 536.0</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>22.7</b>	<b>26.1</b>	<b>30.2</b>	<b>28.0</b>	<b>27.8</b>	<b>25.0</b>	<b>25.5</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>3.2</b>	<b>2.2</b>	<b>2.1</b>	<b>1.8</b>	<b>1.7</b>	<b>5.1</b>	<b>6.4</b>	..
<b>10-33 MANUFACTURING</b>	<b>2 873.2</b>	<b>3 004.8</b>	<b>3 187.5</b>	<b>3 125.4</b>	<b>3 034.0</b>	<b>3 033.7</b>	<b>3 483.6</b>	..
10-12 Food products, beverages and tobacco	111.2	96.3	99.7	98.6	104.6	112.5	120.0	..
13-15 Textiles, wearing apparel, leather and related products	49.2	47.8	54.8	48.0	47.2	50.6	55.8	..
13 Textiles	42.4	40.4	44.4	40.0	39.9	41.9	43.0	..
14 Wearing apparel	4.0	3.8	4.5	2.2	2.4	5.2	5.2	..
15 Leather and related products, footwear	2.8	3.5	5.9	5.7	4.9	3.5	7.6	..
16-18 Wood and paper products and printing	18.1	15.9	16.5	18.2	19.4	16.4	19.2	..
16 Wood and wood products, except furniture	6.2	5.7	6.2	5.1	5.3	5.1	5.6	..
17 Paper and paper products	9.4	8.7	8.7	9.0	9.3	8.2	10.3	..
18 Printing and reproduction of recorded media	2.4	1.5	1.6	4.1	4.7	3.1	3.3	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 336.2	1 565.0	1 675.8	1 644.8	1 619.7	1 595.4	1 913.1	..
19 Coke and refined petroleum products	22.6	19.5	19.4	12.5	13.0	5.7	6.5	..
20-21 Chemical and pharmaceutical products	1 180.3	1 376.9	1 484.9	1 490.5	1 459.8	1 442.9	1 753.6	..
20 Chemicals and chemical products	372.8	297.6	316.8	307.4	283.9	293.1	345.4	..
21 Pharmaceuticals, medicinal, chemical and botanical products	807.5	1 079.3	1 168.1	1 183.1	1 175.9	1 149.8	1 408.2	..
22 Rubber and plastic products	85.7	119.6	120.9	88.9	84.0	86.3	89.9	..
23 Other non-metallic mineral products	47.7	48.9	50.7	52.9	62.9	60.4	63.1	..
24-25 Basic metals, metal products, except machinery and equipment	190.8	179.3	180.7	160.8	161.1	199.0	226.4	..
24 Basic metals	113.2	98.6	103.8	101.9	97.3	114.2	138.7	..
25 Fabricated metal products, except machinery and equipment	77.6	80.7	76.9	58.9	63.9	84.8	87.8	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 108.2	1 065.7	1 120.8	1 122.4	1 046.3	1 028.8	1 115.3	..
26 Computer, electronic and optical products	551.3	461.9	497.5	489.9	464.6	411.2	419.6	..
27 Electrical equipment	191.0	183.3	184.9	226.8	202.1	203.0	218.8	..
28 Machinery and equipment n.e.c.	212.3	249.5	255.8	223.5	198.3	218.5	237.1	..
29 Motor vehicles, trailers and semi-trailers	68.8	71.2	88.7	91.6	86.4	89.3	111.8	..
30 Other transport equipment	84.8	99.8	94.0	90.5	94.9	106.7	128.1	..
31-33 Furniture; repair, installation of machinery and equipment	59.5	34.8	39.1	32.5	35.7	30.9	33.7	..
31 Furniture	..	..	..	8.6	9.4	8.2	8.5	..
32 Other manufacturing	..	..	..	10.7	13.2	11.9	13.3	..
33 Repair and installation of machinery and equipment	..	..	..	13.3	13.1	10.9	11.9	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>6.1</b>	<b>8.1</b>	<b>10.0</b>	<b>26.1</b>	<b>17.0</b>	<b>51.0</b>	<b>56.5</b>	..
35-36 Electricity, gas and water	..	..	..	19.0	10.1	35.2	42.4	..
37-39 Sewerage, waste management and remediation activities	..	..	..	7.1	6.9	15.8	14.1	..
<b>41-43 CONSTRUCTION</b>	<b>49.4</b>	<b>69.6</b>	<b>60.0</b>	<b>46.6</b>	<b>51.1</b>	<b>64.1</b>	<b>55.5</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>1 242.5</b>	<b>1 348.6</b>	<b>1 399.9</b>	<b>1 602.0</b>	<b>1 564.6</b>	<b>1 878.4</b>	<b>1 908.6</b>	..
<b>45-82 Business sector services</b>	<b>1 236.3</b>	<b>1 337.2</b>	<b>1 387.7</b>	<b>1 596.0</b>	<b>1 558.0</b>	<b>1 868.8</b>	<b>1 896.8</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>99.8</b>	<b>76.0</b>	<b>82.3</b>	<b>115.6</b>	<b>111.7</b>	<b>140.2</b>	<b>133.0</b>	..
<b>49-53 Transportation and storage</b>	<b>46.3</b>	<b>14.5</b>	<b>14.6</b>	<b>13.1</b>	<b>17.1</b>	<b>12.2</b>	<b>14.9</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>3.1</b>	<b>1.4</b>	<b>1.4</b>	<b>1.0</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	<b>316.9</b>	<b>431.0</b>	<b>415.6</b>	<b>385.3</b>	<b>384.4</b>	<b>497.6</b>	<b>550.2</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	20.7	19.2	23.0	26.2	..
58 Publishing activities	..	..	..	13.5	13.0	17.0	18.2	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	7.2	6.2	6.1	8.0	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	2.5	1.9	4.5	6.2	..
60 Programming and broadcasting activities	..	..	..	4.7	4.3	1.6	1.9	..
61 Telecommunications	119.2	180.4	167.7	127.9	122.4	173.8	204.8	..
62-63 IT and other information services	..	..	..	236.7	242.8	300.8	319.2	..
62 Computer programming, consultancy and related activities	..	..	..	206.2	210.0	268.6	289.8	..
63 Information service activities	..	..	..	30.5	32.8	32.2	29.3	..
<b>64-66 Financial and insurance activities</b>	<b>64.7</b>	<b>78.6</b>	<b>90.9</b>	<b>107.1</b>	<b>106.9</b>	<b>101.4</b>	<b>103.3</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>705.6</b>	<b>735.8</b>	<b>782.8</b>	<b>973.9</b>	<b>936.8</b>	<b>1 117.4</b>	<b>1 095.4</b>	..
68 Real estate activities	..	..	..	0.2	0.2	0.7	0.7	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	455.3	433.1	555.2	559.6	..
72 Scientific research and development	461.1	423.7	453.4	395.7	402.0	535.1	507.5	..
77-82 Administrative and support service activities	..	..	..	122.7	101.5	26.3	27.7	..
84-99 Community, social and personal services	6.2	11.3	12.3	6.0	6.7	9.6	11.9	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	0.8	0.9	0.7	0.8	..
86-88 Human health and social work activities	..	..	..	4.6	4.6	7.7	9.8	..
90-93 Arts, entertainment and recreation	..	..	..	0.0	0.3	0.0	0.0	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	0.5	0.9	1.1	1.2	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# BELGIUM

## R&D expenditure in industry by product field, current prices

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>4 197.0</b>	<b>4 654.6</b>	<b>4 980.3</b>	<b>5 323.4</b>	<b>5 350.5</b>	<b>5 886.8</b>	<b>6 690.9</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>43.3</b>	<b>64.5</b>	<b>77.6</b>	<b>77.6</b>	<b>91.9</b>	<b>94.7</b>	<b>103.4</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>3.9</b>	<b>2.3</b>	<b>2.2</b>	<b>1.9</b>	<b>1.9</b>	<b>5.9</b>	<b>7.7</b>	..
<b>10-33 MANUFACTURING</b>	<b>3 373.4</b>	<b>3 517.6</b>	<b>3 792.5</b>	<b>3 879.7</b>	<b>3 910.1</b>	<b>4 364.2</b>	<b>5 029.2</b>	..
10-12 Food products, beverages and tobacco	139.3	126.6	133.0	142.8	148.9	178.3	179.3	..
13-15 Textiles, wearing apparel, leather and related products	55.7	47.3	56.0	52.5	53.7	60.6	70.4	..
13 Textiles	48.9	39.7	45.1	43.9	45.6	48.4	51.6	..
14 Wearing apparel	4.0	3.9	4.6	2.3	2.5	6.1	6.5	..
15 Leather and related products, footwear	2.8	3.7	6.3	6.3	5.6	6.1	12.3	..
16-18 Wood and paper products and printing	18.8	19.5	20.5	25.0	25.4	17.5	21.7	..
16 Wood and wood products, except furniture	6.3	6.0	6.6	5.5	6.0	5.3	6.2	..
17 Paper and paper products	11.2	12.6	12.8	17.1	16.9	9.6	12.4	..
18 Printing and reproduction of recorded media	1.3	1.0	1.1	2.4	2.5	2.6	3.0	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 756.1	1 948.1	2 071.2	2 206.0	2 255.9	2 535.2	2 990.7	..
19 Coke and refined petroleum products	30.6	21.5	21.8	12.2	13.0	7.0	7.9	..
20-21 Chemical and pharmaceutical products	1 559.8	1 725.1	1 843.2	1 986.8	2 026.9	2 293.4	2 733.3	..
20 Chemicals and chemical products	526.5	441.4	427.2	519.0	497.0	592.4	682.4	..
21 Pharmaceuticals, medicinal, chemical and botanical products	1 033.4	1 283.6	1 416.1	1 467.8	1 529.9	1 701.0	2 050.9	..
22 Rubber and plastic products	110.8	145.2	146.5	140.4	134.8	151.9	158.7	..
23 Other non-metallic mineral products	54.9	56.3	59.7	66.6	81.2	82.9	90.8	..
24-25 Basic metals, metal products, except machinery and equipment	222.6	221.4	226.5	248.9	251.1	280.2	343.0	..
24 Basic metals	144.6	115.3	120.7	117.3	116.7	158.6	197.7	..
25 Fabricated metal products, except machinery and equipment	78.1	106.1	105.8	131.6	134.4	121.5	145.3	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 149.0	1 132.3	1 259.7	1 182.8	1 150.5	1 261.1	1 389.5	..
26 Computer, electronic and optical products	727.5	646.7	744.0	662.0	642.3	509.0	536.9	..
27 Electrical equipment	49.3	49.8	56.6	81.7	77.9	172.6	199.9	..
28 Machinery and equipment n.e.c.	182.8	215.6	222.5	238.7	220.7	260.6	293.0	..
29 Motor vehicles, trailers and semi-trailers	108.0	118.2	138.9	93.7	93.7	190.2	200.1	..
30 Other transport equipment	81.4	101.9	97.8	106.8	115.9	128.7	159.6	..
31-33 Furniture; repair, installation of machinery and equipment	31.9	22.4	25.5	21.7	24.6	31.3	34.7	..
31 Furniture	..	..	..	..	..	8.5	9.1	..
32 Other manufacturing	..	..	..	..	..	20.7	23.1	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	2.1	2.5	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>17.0</b>	<b>17.8</b>	<b>20.9</b>	<b>31.0</b>	<b>17.2</b>	<b>60.7</b>	<b>69.4</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	41.5	51.6	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	19.2	17.8	..
<b>41-43 CONSTRUCTION</b>	<b>43.6</b>	<b>75.9</b>	<b>67.5</b>	<b>52.0</b>	<b>57.3</b>	<b>78.6</b>	<b>73.1</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>715.7</b>	<b>976.3</b>	<b>1 019.6</b>	<b>1 281.2</b>	<b>1 272.0</b>	<b>1 282.7</b>	<b>1 408.0</b>	..
<b>45-82 Business sector services</b>	<b>704.7</b>	<b>957.3</b>	<b>998.7</b>	<b>1 267.1</b>	<b>1 257.9</b>	<b>1 266.3</b>	<b>1 388.1</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>69.4</b>	<b>71.7</b>	<b>78.0</b>	<b>45.8</b>	<b>50.8</b>	<b>81.6</b>	<b>75.0</b>	..
<b>49-53 Transportation and storage</b>	<b>46.0</b>	<b>14.9</b>	<b>15.4</b>	<b>13.9</b>	<b>18.9</b>	<b>14.7</b>	<b>18.3</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>3.1</b>	<b>1.4</b>	<b>1.5</b>	<b>1.8</b>	<b>2.1</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	<b>357.9</b>	<b>494.8</b>	<b>493.4</b>	<b>709.6</b>	<b>700.5</b>	<b>684.9</b>	<b>768.7</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	26.8	31.5	..
58 Publishing activities	..	..	..	..	..	19.7	21.8	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	7.1	9.7	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	0.0	0.0	..
60 Programming and broadcasting activities	..	..	..	..	..	7.1	9.7	..
61 Telecommunications	119.4	188.4	178.2	257.7	252.5	303.1	347.3	..
62-63 IT and other information services	..	..	..	..	..	355.0	389.9	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	317.1	353.8	..
63 Information service activities	..	..	..	..	..	37.9	36.2	..
<b>64-66 Financial and insurance activities</b>	<b>32.1</b>	<b>48.7</b>	<b>61.0</b>	<b>77.4</b>	<b>81.6</b>	<b>111.7</b>	<b>118.5</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>196.1</b>	<b>325.8</b>	<b>349.4</b>	<b>418.6</b>	<b>403.9</b>	<b>373.3</b>	<b>407.5</b>	..
68 Real estate activities	..	..	..	..	..	0.9	0.9	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	337.3	367.0	..
72 Scientific research and development	1.3	1.3	1.8	6.9	8.7	4.8	6.1	..
77-82 Administrative and support service activities	..	..	..	..	..	30.2	33.6	..
84-99 Community, social and personal services	11.1	19.0	20.9	14.2	14.2	16.4	20.0	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	0.9	1.1	..
86-88 Human health and social work activities	..	..	..	..	..	15.1	18.5	..
90-93 Arts, entertainment and recreation	..	..	..	..	..	0.0	0.0	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	0.3	0.4	..

.. Not available

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# BELGIUM

## R&D expenditure in industry by product field, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>4 197.0</b>	<b>4 459.3</b>	<b>4 689.8</b>	<b>4 830.1</b>	<b>4 696.2</b>	<b>5 057.3</b>	<b>5 536.0</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>43.3</b>	<b>61.8</b>	<b>73.0</b>	<b>70.4</b>	<b>80.7</b>	<b>81.4</b>	<b>85.6</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>3.9</b>	<b>2.2</b>	<b>2.1</b>	<b>1.8</b>	<b>1.7</b>	<b>5.1</b>	<b>6.4</b>	..
<b>10-33 MANUFACTURING</b>	<b>3 373.4</b>	<b>3 370.1</b>	<b>3 571.2</b>	<b>3 520.1</b>	<b>3 431.9</b>	<b>3 749.2</b>	<b>4 161.1</b>	..
10-12 Food products, beverages and tobacco	139.3	121.3	125.3	129.5	130.7	153.2	148.4	..
13-15 Textiles, wearing apparel, leather and related products	55.7	45.3	52.7	47.6	47.2	52.1	58.2	..
13 Textiles	48.9	38.1	42.5	39.8	40.0	41.5	42.7	..
14 Wearing apparel	4.0	3.7	4.4	2.1	2.2	5.3	5.4	..
15 Leather and related products, footwear	2.8	3.5	5.9	5.7	4.9	5.2	10.2	..
16-18 Wood and paper products and printing	18.8	18.7	19.3	22.7	22.3	15.0	18.0	..
16 Wood and wood products, except furniture	6.3	5.7	6.2	4.9	5.2	4.6	5.2	..
17 Paper and paper products	11.2	12.0	12.1	15.5	14.9	8.2	10.3	..
18 Printing and reproduction of recorded media	1.3	1.0	1.0	2.2	2.2	2.2	2.5	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 756.1	1 866.4	1 950.4	2 001.6	1 980.0	2 178.0	2 474.5	..
19 Coke and refined petroleum products	30.6	20.6	20.6	11.1	11.4	6.0	6.6	..
20-21 Chemical and pharmaceutical products	1 559.8	1 652.7	1 735.7	1 802.7	1 779.0	1 970.2	2 261.5	..
20 Chemicals and chemical products	526.5	422.9	402.3	470.9	436.2	508.9	564.6	..
21 Pharmaceuticals, medicinal, chemical and botanical products	1 033.4	1 229.8	1 333.5	1 331.8	1 342.8	1 461.3	1 696.9	..
22 Rubber and plastic products	110.8	139.1	137.9	127.4	118.3	130.5	131.3	..
23 Other non-metallic mineral products	54.9	53.9	56.2	60.4	71.3	71.2	75.1	..
24-25 Basic metals, metal products, except machinery and equipment	222.6	212.1	213.3	225.8	220.4	240.7	283.8	..
24 Basic metals	144.6	110.5	113.6	106.5	102.4	136.3	163.5	..
25 Fabricated metal products, except machinery and equipment	78.1	101.7	99.6	119.4	117.9	104.4	120.2	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 149.0	1 084.8	1 186.2	1 073.2	1 009.8	1 083.4	1 149.6	..
26 Computer, electronic and optical products	727.5	619.6	700.6	600.6	563.8	437.2	444.2	..
27 Electrical equipment	49.3	47.7	53.3	74.2	68.3	148.3	165.4	..
28 Machinery and equipment n.e.c.	182.8	206.6	209.5	216.5	193.7	223.9	242.4	..
29 Motor vehicles, trailers and semi-trailers	108.0	113.3	130.8	85.0	82.2	163.4	165.6	..
30 Other transport equipment	81.4	97.6	92.1	96.9	101.7	110.6	132.1	..
31-33 Furniture; repair, installation of machinery and equipment	31.9	21.5	24.1	19.7	21.6	26.9	28.7	..
31 Furniture	..	..	..	..	..	7.3	7.5	..
32 Other manufacturing	..	..	..	..	..	17.8	19.1	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	1.8	2.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>17.0</b>	<b>17.1</b>	<b>19.7</b>	<b>28.1</b>	<b>15.1</b>	<b>52.1</b>	<b>57.4</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	35.7	42.7	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	16.5	14.7	..
<b>41-43 CONSTRUCTION</b>	<b>43.6</b>	<b>72.7</b>	<b>63.6</b>	<b>47.2</b>	<b>50.3</b>	<b>67.5</b>	<b>60.5</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>715.7</b>	<b>935.4</b>	<b>960.1</b>	<b>1 162.5</b>	<b>1 116.5</b>	<b>1 102.0</b>	<b>1 165.0</b>	..
<b>45-82 Business sector services</b>	<b>704.7</b>	<b>917.2</b>	<b>940.4</b>	<b>1 149.6</b>	<b>1 104.0</b>	<b>1 087.9</b>	<b>1 148.5</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>69.4</b>	<b>68.7</b>	<b>73.5</b>	<b>41.6</b>	<b>44.6</b>	<b>70.1</b>	<b>62.1</b>	..
<b>49-53 Transportation and storage</b>	<b>46.0</b>	<b>14.3</b>	<b>14.5</b>	<b>12.6</b>	<b>16.6</b>	<b>12.7</b>	<b>15.1</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>3.1</b>	<b>1.3</b>	<b>1.4</b>	<b>1.6</b>	<b>1.8</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	<b>357.9</b>	<b>474.0</b>	<b>464.6</b>	<b>643.8</b>	<b>614.8</b>	<b>588.4</b>	<b>636.0</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	23.0	26.0	..
58 Publishing activities	..	..	..	..	..	16.9	18.0	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	6.1	8.0	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	0.0	0.0	..
60 Programming and broadcasting activities	..	..	..	..	..	6.1	8.0	..
61 Telecommunications	119.4	180.5	167.8	233.8	221.6	260.4	287.3	..
62-63 IT and other information services	..	..	..	..	..	305.0	322.6	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	272.4	292.7	..
63 Information service activities	..	..	..	..	..	32.6	29.9	..
<b>64-66 Financial and insurance activities</b>	<b>32.1</b>	<b>46.7</b>	<b>57.4</b>	<b>70.2</b>	<b>71.6</b>	<b>96.0</b>	<b>98.0</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>196.1</b>	<b>312.2</b>	<b>329.0</b>	<b>379.8</b>	<b>354.5</b>	<b>320.7</b>	<b>337.2</b>	..
68 Real estate activities	..	..	..	..	..	0.7	0.7	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	289.8	303.6	..
72 Scientific research and development	1.3	1.2	1.7	6.2	7.6	4.1	5.1	..
77-82 Administrative and support service activities	..	..	..	..	..	26.0	27.8	..
84-99 Community, social and personal services	11.1	18.2	19.7	12.9	12.4	14.1	16.5	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	0.8	0.9	..
86-88 Human health and social work activities	..	..	..	..	..	13.0	15.3	..
90-93 Arts, entertainment and recreation	..	..	..	..	..	0.0	0.0	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	0.3	0.3	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# CANADA

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>12 886.0</b>	<b>13 663.8</b>	<b>13 825.6</b>	<b>13 483.6</b>	<b>13 335.4</b>	<b>12 644.0</b>	<b>12 872.0</b>	<b>12 965.1</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>91.5</b>	<b>97.9</b>	<b>147.7</b>	<b>108.6</b>	<b>105.6</b>	<b>103.0</b>	<b>90.3</b>	<b>88.8</b>
<b>05-09 MINING AND QUARRYING</b>	<b>395.5</b>	<b>606.3</b>	<b>644.4</b>	<b>793.9</b>	<b>772.4</b>	<b>784.0</b>	<b>779.1</b>	<b>714.3</b>
<b>10-33 MANUFACTURING</b>	<b>6 927.0</b>	<b>7 374.9</b>	<b>6 988.2</b>	<b>6 291.0</b>	<b>6 489.7</b>	<b>5 929.2</b>	<b>5 967.4</b>	<b>6 127.0</b>
10-12 Food products, beverages and tobacco	131.8	141.8	151.0	161.2	167.1	151.2	126.6	127.5
13-15 Textiles, wearing apparel, leather and related products	78.2	83.0	73.0	68.8	67.4	57.2	65.3	71.0
13 Textiles	49.1	50.2	42.2	38.9	39.1	33.5	36.0	34.7
14 Wearing apparel	..	..	..	..	24.9	20.4	26.1	33.1
15 Leather and related products, footwear	..	..	..	..	3.3	3.3	3.2	3.2
16-18 Wood and paper products and printing	414.4	624.6	373.7	350.0	211.2	237.1	204.0	198.6
16 Wood and wood products, except furniture	111.2	104.5	92.4	177.4	85.6	70.3	68.6	72.6
17 Paper and paper products	258.7	468.6	233.5	122.3	65.7	118.5	94.4	83.1
18 Printing and reproduction of recorded media	44.5	51.5	47.8	50.2	59.9	47.4	41.1	42.8
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 387.2	1 467.6	1 399.2	1 126.0	1 268.0	1 276.9	1 171.1	1 197.0
19 Coke and refined petroleum products	175.4	184.0	183.8	170.4	247.0	270.0	334.3	321.1
20-21 Chemical and pharmaceutical products	1 013.5	1 058.3	958.7	755.8	803.2	821.6	658.1	699.8
20 Chemicals and chemical products	136.0	158.4	154.3	209.0	245.3	274.7	241.1	259.9
21 Pharmaceuticals, medicinal, chemical and botanical products	877.5	899.9	804.4	546.8	557.9	546.9	417.0	439.9
22 Rubber and plastic products	135.2	159.4	189.5	144.0	145.4	119.2	116.6	116.4
23 Other non-metallic mineral products	63.1	65.9	67.2	55.7	72.3	66.2	62.1	59.7
24-25 Basic metals, metal products, except machinery and equipment	496.8	520.3	582.1	560.7	530.5	401.4	375.8	379.4
24 Basic metals	254.3	258.2	289.6	273.8	221.2	156.1	164.5	162.2
25 Fabricated metal products, except machinery and equipment	242.5	262.1	292.5	286.9	309.3	245.2	211.3	217.1
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	4 224.2	4 318.1	4 194.0	3 808.6	4 037.7	3 609.2	3 851.1	3 965.5
26 Computer, electronic and optical products	2 398.6	2 409.3	2 369.6	2 008.3	2 118.6	1 729.8	1 930.8	1 989.6
27 Electrical equipment	142.5	146.8	215.3	132.0	135.5	125.9	115.3	125.1
28 Machinery and equipment n.e.c.	477.6	512.2	441.3	446.3	526.3	425.9	483.9	493.2
29 Motor vehicles, trailers and semi-trailers	450.4	453.2	346.8	281.4	207.9	206.8	168.6	171.1
30 Other transport equipment	755.2	796.6	820.9	940.5	1 050.2	1 120.8	1 152.5	1 186.5
31-33 Furniture; repair, installation of machinery and equipment	194.4	219.5	215.1	215.8	207.9	196.2	173.4	188.1
31 Furniture	26.1	28.7	33.3	38.1	39.9	32.7	29.0	28.3
32 Other manufacturing	..	..	..	..	134.7	138.2	120.2	134.8
33 Repair and installation of machinery and equipment	..	..	..	..	33.3	25.3	24.2	25.0
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>222.5</b>	<b>259.6</b>	<b>237.6</b>	<b>175.8</b>	<b>155.5</b>	<b>152.9</b>	<b>154.0</b>	<b>162.2</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	146.1
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	16.1
<b>41-43 CONSTRUCTION</b>	<b>59.3</b>	<b>70.5</b>	<b>80.0</b>	<b>98.8</b>	<b>112.3</b>	<b>88.3</b>	<b>104.0</b>	<b>106.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>5 190.2</b>	<b>5 254.7</b>	<b>5 727.7</b>	<b>6 015.5</b>	<b>5 700.7</b>	<b>5 586.7</b>	<b>5 777.1</b>	<b>5 766.2</b>
<b>45-82 Business sector services</b>	<b>4 762.4</b>	<b>4 888.5</b>	<b>5 349.2</b>	<b>5 762.8</b>	<b>5 569.3</b>	<b>5 477.9</b>	<b>5 684.3</b>	<b>5 674.2</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>686.2</b>	<b>699.0</b>	<b>850.4</b>	<b>1 182.8</b>	<b>1 120.8</b>	<b>1 090.5</b>	<b>1 143.6</b>	<b>1 161.5</b>
<b>49-53 Transportation and storage</b>	<b>48.6</b>	<b>42.3</b>	<b>66.0</b>	<b>99.6</b>	<b>139.7</b>	<b>47.4</b>	<b>41.9</b>	<b>43.6</b>
<b>55-56 Accommodation and food service activities</b>	<b>3.6</b>	<b>2.4</b>	<b>4.9</b>	<b>4.7</b>	<b>5.0</b>	<b>6.5</b>	<b>3.2</b>	<b>4.0</b>
<b>58-63 Information and communication</b>	<b>2 128.3</b>	<b>2 206.9</b>	<b>2 278.8</b>	<b>2 134.7</b>	<b>1 952.3</b>	<b>2 020.0</b>	<b>2 037.3</b>	<b>2 059.8</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	473.1	449.6	483.9	506.9
58 Publishing activities	..	..	..	..	456.5	429.2	461.3	481.9
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	16.6	20.4	21.8	24.2
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	19.6	21.0	23.4
60 Programming and broadcasting activities	..	..	..	..	..	0.8	0.8	0.8
61 Telecommunications	..	..	..	..	441.5	454.5	368.6	364.0
62-63 IT and other information services	..	..	..	..	1 037.7	1 115.9	1 184.8	1 189.7
62 Computer programming, consultancy and related activities	949.2	977.0	1 061.0	1 016.7	979.5	1 056.2	1 115.4	1 122.7
63 Information service activities	..	..	..	..	58.2	59.7	69.4	67.0
<b>64-66 Financial and insurance activities</b>	<b>371.2</b>	<b>421.1</b>	<b>403.1</b>	<b>376.7</b>	<b>349.2</b>	<b>246.1</b>	<b>253.2</b>	<b>251.0</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>1 524.5</b>	<b>1 516.8</b>	<b>1 746.0</b>	<b>1 964.2</b>	<b>2 002.2</b>	<b>2 068.2</b>	<b>2 205.0</b>	<b>2 153.5</b>
68 Real estate activities	..	..	..	..	9.1	6.5	4.0	4.8
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	482.3	481.5	492.8	477.0
72 Scientific research and development	1 013.5	962.1	1 068.5	1 335.1	1 394.4	1 480.5	1 596.9	1 560.2
77-82 Administrative and support service activities	..	..	..	..	116.4	99.7	111.3	112.2
84-99 Community, social and personal services	427.8	366.2	378.5	252.7	131.4	108.7	92.7	92.0
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	21.6	9.8	..	..
86-88 Human health and social work activities	329.6	281.2	289.6	188.8	95.6	76.8	68.6	65.4
90-93 Arts, entertainment and recreation	..	..	..	..	4.2	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	10.0	..	..	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# CANADA

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>12 886.0</b>	<b>13 221.3</b>	<b>13 031.9</b>	<b>12 433.1</b>	<b>12 215.7</b>	<b>11 443.8</b>	<b>11 438.1</b>	<b>11 322.9</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>91.5</b>	<b>94.7</b>	<b>139.2</b>	<b>100.1</b>	<b>96.7</b>	<b>93.2</b>	<b>80.3</b>	<b>77.5</b>
<b>05-09 MINING AND QUARRYING</b>	<b>395.5</b>	<b>586.6</b>	<b>607.4</b>	<b>732.1</b>	<b>707.6</b>	<b>709.5</b>	<b>692.3</b>	<b>623.8</b>
<b>10-33 MANUFACTURING</b>	<b>6 927.0</b>	<b>7 136.0</b>	<b>6 587.0</b>	<b>5 800.9</b>	<b>5 944.8</b>	<b>5 366.4</b>	<b>5 302.7</b>	<b>5 351.0</b>
10-12 Food products, beverages and tobacco	131.8	137.2	142.3	148.7	153.1	136.9	112.5	111.4
13-15 Textiles, wearing apparel, leather and related products	78.2	80.3	68.9	63.4	61.7	51.8	58.1	62.0
13 Textiles	49.1	48.6	39.8	35.9	35.8	30.3	32.0	30.3
14 Wearing apparel	..	..	..	..	22.9	18.5	23.2	28.9
15 Leather and related products, footwear	..	..	..	..	3.0	3.0	2.9	2.8
16-18 Wood and paper products and printing	414.4	604.3	352.2	322.7	193.5	214.6	181.3	173.4
16 Wood and wood products, except furniture	111.2	101.1	87.1	163.6	78.5	63.6	60.9	63.4
17 Paper and paper products	258.7	453.4	220.1	112.8	60.2	107.3	83.9	72.6
18 Printing and reproduction of recorded media	44.5	49.8	45.0	46.3	54.8	42.9	36.6	37.4
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 387.2	1 420.1	1 318.9	1 038.2	1 161.5	1 155.7	1 040.6	1 045.4
19 Coke and refined petroleum products	175.4	178.1	173.2	157.1	226.3	244.3	297.0	280.4
20-21 Chemical and pharmaceutical products	1 013.5	1 024.0	903.7	697.0	735.8	743.6	584.8	611.2
20 Chemicals and chemical products	136.0	153.3	145.4	192.7	224.7	248.6	214.3	227.0
21 Pharmaceuticals, medicinal, chemical and botanical products	877.5	870.7	758.3	504.2	511.1	495.0	370.5	384.2
22 Rubber and plastic products	135.2	154.2	178.6	132.8	133.2	107.9	103.6	101.6
23 Other non-metallic mineral products	63.1	63.7	63.4	51.4	66.3	59.9	55.2	52.2
24-25 Basic metals, metal products, except machinery and equipment	496.8	503.5	548.7	517.0	485.9	363.3	334.0	331.3
24 Basic metals	254.3	249.8	273.0	252.5	202.6	141.3	146.2	141.7
25 Fabricated metal products, except machinery and equipment	242.5	253.6	275.7	264.6	283.3	222.0	187.8	189.6
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	4 224.2	4 178.2	3 953.2	3 511.9	3 698.7	3 266.6	3 422.1	3 463.2
26 Computer, electronic and optical products	2 398.6	2 331.3	2 233.6	1 851.8	1 940.7	1 565.6	1 715.7	1 737.6
27 Electrical equipment	142.5	142.0	203.0	121.8	124.2	113.9	102.5	109.3
28 Machinery and equipment n.e.c.	477.6	495.6	416.0	411.5	482.1	385.5	430.0	430.7
29 Motor vehicles, trailers and semi-trailers	450.4	438.5	326.9	259.5	190.4	187.2	149.8	149.4
30 Other transport equipment	755.2	770.8	773.8	867.3	962.0	1 014.4	1 024.1	1 036.2
31-33 Furniture; repair, installation of machinery and equipment	194.4	212.4	202.8	199.0	190.4	177.6	154.1	164.2
31 Furniture	26.1	27.7	31.4	35.1	36.6	29.6	25.8	24.7
32 Other manufacturing	..	..	..	..	123.4	125.0	106.8	117.7
33 Repair and installation of machinery and equipment	..	..	..	..	30.5	22.9	21.5	21.9
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>222.5</b>	<b>251.2</b>	<b>224.0</b>	<b>162.1</b>	<b>142.4</b>	<b>138.4</b>	<b>136.9</b>	<b>141.7</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	127.6
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	14.1
<b>41-43 CONSTRUCTION</b>	<b>59.3</b>	<b>68.2</b>	<b>75.4</b>	<b>91.1</b>	<b>102.8</b>	<b>79.9</b>	<b>92.5</b>	<b>93.0</b>
<b>45-99 TOTAL SERVICES</b>	<b>5 190.2</b>	<b>5 084.5</b>	<b>5 398.9</b>	<b>5 546.8</b>	<b>5 222.0</b>	<b>5 056.4</b>	<b>5 133.5</b>	<b>5 035.9</b>
<b>45-82 Business sector services</b>	<b>4 762.4</b>	<b>4 730.1</b>	<b>5 042.2</b>	<b>5 313.8</b>	<b>5 101.7</b>	<b>4 958.0</b>	<b>5 051.1</b>	<b>4 955.5</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>686.2</b>	<b>676.3</b>	<b>801.6</b>	<b>1 090.7</b>	<b>1 026.7</b>	<b>987.0</b>	<b>1 016.2</b>	<b>1 014.4</b>
<b>49-53 Transportation and storage</b>	<b>48.6</b>	<b>40.9</b>	<b>62.2</b>	<b>91.9</b>	<b>128.0</b>	<b>42.9</b>	<b>37.3</b>	<b>38.1</b>
<b>55-56 Accommodation and food service activities</b>	<b>3.6</b>	<b>2.3</b>	<b>4.6</b>	<b>4.4</b>	<b>4.6</b>	<b>5.9</b>	<b>2.9</b>	<b>3.5</b>
<b>58-63 Information and communication</b>	<b>2 128.3</b>	<b>2 135.5</b>	<b>2 148.0</b>	<b>1 968.4</b>	<b>1 788.4</b>	<b>1 828.3</b>	<b>1 810.3</b>	<b>1 798.9</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	433.4	406.9	430.0	442.7
58 Publishing activities	..	..	..	..	418.2	388.4	409.9	420.8
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	15.2	18.5	19.4	21.1
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	17.8	18.6	20.4
60 Programming and broadcasting activities	..	..	..	..	..	0.7	0.7	0.7
61 Telecommunications	..	..	..	..	404.4	411.4	327.5	317.9
62-63 IT and other information services	..	..	..	..	950.6	1 009.9	1 052.8	1 039.0
62 Computer programming, consultancy and related activities	949.2	945.4	1 000.1	937.5	897.2	955.9	991.2	980.5
63 Information service activities	..	..	..	..	53.3	54.0	61.6	58.5
<b>64-66 Financial and insurance activities</b>	<b>371.2</b>	<b>407.4</b>	<b>379.9</b>	<b>347.3</b>	<b>319.9</b>	<b>222.7</b>	<b>225.0</b>	<b>219.2</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>1 524.5</b>	<b>1 467.6</b>	<b>1 645.8</b>	<b>1 811.2</b>	<b>1 834.1</b>	<b>1 871.9</b>	<b>1 959.4</b>	<b>1 880.7</b>
68 Real estate activities	..	..	..	..	8.4	5.9	3.6	4.2
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	441.8	435.8	437.9	416.6
72 Scientific research and development	1 013.5	930.9	1 007.1	1 231.1	1 277.3	1 339.9	1 419.0	1 362.6
77-82 Administrative and support service activities	..	..	..	..	106.6	90.3	98.9	98.0
84-99 Community, social and personal services	427.8	354.4	356.8	233.0	120.3	98.4	82.4	80.4
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	19.8	8.9	..	..
86-88 Human health and social work activities	329.6	272.0	273.0	174.1	87.6	69.5	60.9	57.1
90-93 Arts, entertainment and recreation	..	..	..	..	3.8	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	9.1	..	..	..

.. Not available

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# CZECH REPUBLIC

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>1 578.9</b>	<b>1 842.6</b>	<b>2 102.6</b>	<b>2 050.9</b>	<b>2 075.8</b>	<b>2 190.7</b>	<b>2 577.7</b>	<b>2 917.8</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>5.7</b>	<b>6.9</b>	<b>8.3</b>	<b>7.0</b>	<b>7.3</b>	<b>8.2</b>	<b>8.5</b>	<b>10.0</b>
<b>05-09 MINING AND QUARRYING</b>	<b>9.1</b>	<b>4.4</b>	<b>4.7</b>	<b>5.8</b>	<b>4.7</b>	<b>3.7</b>	<b>1.4</b>	<b>1.5</b>
<b>10-33 MANUFACTURING</b>	<b>925.5</b>	<b>1 116.1</b>	<b>1 180.9</b>	<b>1 163.9</b>	<b>1 161.7</b>	<b>1 223.8</b>	<b>1 449.4</b>	<b>1 603.8</b>
10-12 Food products, beverages and tobacco	9.5	14.2	15.1	22.2	21.8	23.8	24.4	22.8
13-15 Textiles, wearing apparel, leather and related products	16.0	22.5	19.6	14.7	17.9	18.0	32.6	15.7
13 Textiles	10.3	15.1	13.3	10.5	12.6	14.5	16.6	12.9
14 Wearing apparel	4.4	5.2	5.1	3.3	3.8	2.5	14.6	1.7
15 Leather and related products, footwear	1.3	2.2	1.2	0.9	1.5	1.0	1.4	1.1
16-18 Wood and paper products and printing	1.0	1.1	1.0	1.2	1.2	3.4	6.0	3.2
16 Wood and wood products, except furniture	0.5	0.2	0.4	0.7	1.0	1.3	3.1	0.4
17 Paper and paper products	0.1	0.2	0.1	0.1	0.2	0.2	2.4	2.1
18 Printing and reproduction of recorded media	0.4	0.6	0.5	0.4	0.0	2.0	0.5	0.7
19-23 Chemical, rubber, plastic, non-metallic mineral products	191.7	215.6	208.0	208.4	219.2	221.5	237.3	243.1
19 Coke and refined petroleum products	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.5
20-21 Chemical and pharmaceutical products	101.4	114.8	131.0	127.4	151.2	144.5	155.0	156.0
20 Chemicals and chemical products	45.4	49.5	52.3	51.4	65.3	68.9	75.1	72.0
21 Pharmaceuticals, medicinal, chemical and botanical products	56.0	65.4	78.7	76.0	85.9	75.5	79.9	84.0
22 Rubber and plastic products	51.3	64.4	44.4	46.0	43.9	48.3	51.6	51.4
23 Other non-metallic mineral products	38.2	35.6	31.8	34.1	23.5	28.0	29.9	35.2
24-25 Basic metals, metal products, except machinery and equipment	61.8	62.9	62.2	65.4	58.8	73.7	79.1	92.5
24 Basic metals	34.6	33.9	30.3	23.4	14.7	17.3	21.8	23.6
25 Fabricated metal products, except machinery and equipment	27.1	29.0	31.8	42.0	44.1	56.4	57.2	68.8
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	577.7	693.1	721.7	730.7	687.8	717.7	866.8	1 005.1
26 Computer, electronic and optical products	107.1	142.5	134.4	112.5	95.2	85.4	85.3	92.7
27 Electrical equipment	48.7	51.1	63.5	62.6	77.3	100.5	120.2	154.1
28 Machinery and equipment n.e.c.	118.1	140.8	169.3	168.1	164.4	179.1	217.7	289.2
29 Motor vehicles, trailers and semi-trailers	238.2	293.3	290.9	299.2	256.3	246.9	295.6	345.4
30 Other transport equipment	65.7	65.5	63.6	88.3	94.6	105.7	147.9	123.6
31-33 Furniture; repair, installation of machinery and equipment	67.9	106.6	153.2	121.4	155.0	165.6	203.1	221.5
31 Furniture	2.2	2.0	2.0	1.8	2.7	3.0	5.4	4.0
32 Other manufacturing	8.2	12.7	18.0	19.3	19.0	20.7	26.6	34.0
33 Repair and installation of machinery and equipment	57.5	91.9	133.3	100.3	133.2	142.0	171.2	183.6
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>17.1</b>	<b>8.8</b>	<b>9.5</b>	<b>9.2</b>	<b>10.9</b>	<b>10.7</b>	<b>10.5</b>	<b>10.5</b>
35-36 Electricity, gas and water	13.7	3.5	4.8	4.8	3.0	2.2	3.1	3.7
37-39 Sewerage, waste management and remediation activities	3.4	5.3	4.7	4.4	7.9	8.6	7.4	6.7
<b>41-43 CONSTRUCTION</b>	<b>26.7</b>	<b>24.9</b>	<b>24.3</b>	<b>24.1</b>	<b>27.2</b>	<b>29.1</b>	<b>26.9</b>	<b>31.7</b>
<b>45-99 TOTAL SERVICES</b>	<b>594.8</b>	<b>681.5</b>	<b>874.9</b>	<b>840.9</b>	<b>864.0</b>	<b>915.2</b>	<b>1 081.1</b>	<b>1 260.2</b>
<b>45-82 Business sector services</b>	<b>561.2</b>	<b>646.4</b>	<b>835.7</b>	<b>802.1</b>	<b>818.2</b>	<b>874.8</b>	<b>1 037.4</b>	<b>1 214.5</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>20.0</b>	<b>30.9</b>	<b>48.9</b>	<b>59.8</b>	<b>61.5</b>	<b>66.1</b>	<b>69.1</b>	<b>69.1</b>
<b>49-53 Transportation and storage</b>	<b>0.5</b>	<b>0.4</b>	<b>0.5</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.4</b>	<b>1.5</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>
<b>58-63 Information and communication</b>	<b>178.3</b>	<b>201.0</b>	<b>233.4</b>	<b>267.6</b>	<b>275.7</b>	<b>293.7</b>	<b>368.1</b>	<b>421.3</b>
58-60 Publishing, audiovisual and broadcasting activities	14.4	17.8	20.3	19.4	15.3	17.7	15.9	18.3
58 Publishing activities	14.4	17.8	20.3	19.4	15.3	17.7	15.8	18.0
59-60 Motion picture, video and TV programme production; broadcasting activities	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
59 Motion picture, video and TV programme production; sound and music	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
60 Programming and broadcasting activities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Telecommunications	0.9	25.4	32.3	30.6	29.2	37.2	40.7	45.7
62-63 IT and other information services	163.0	157.8	180.8	217.6	231.1	238.9	311.5	357.2
62 Computer programming, consultancy and related activities	135.8	123.3	137.1	164.4	174.3	190.6	227.6	267.6
63 Information service activities	27.2	34.5	43.7	53.2	56.8	48.3	83.9	89.6
<b>64-66 Financial and insurance activities</b>	<b>19.4</b>	<b>65.3</b>	<b>126.1</b>	<b>64.4</b>	<b>35.3</b>	<b>35.9</b>	<b>34.9</b>	<b>45.8</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>342.0</b>	<b>347.5</b>	<b>426.2</b>	<b>409.9</b>	<b>445.7</b>	<b>478.8</b>	<b>564.8</b>	<b>676.7</b>
68 Real estate activities	1.7	2.5	1.4	1.0	2.1	5.4	9.3	23.4
69-75x72 Professional, scientific and technical activities, except scientific R&D	65.6	67.8	77.5	91.1	113.0	129.8	181.4	182.2
72 Scientific research and development	274.4	277.1	347.3	316.9	330.0	343.0	372.7	466.2
77-82 Administrative and support service activities	0.2	0.2	0.0	1.0	0.6	0.7	1.4	4.9
84-99 Community, social and personal services	33.6	35.1	39.3	38.7	45.8	40.5	43.6	45.7
84-85 Public administration and defence; compulsory social security and education	0.1	0.3	0.3	0.5	0.3	0.3	1.0	2.0
86-88 Human health and social work activities	23.8	29.5	32.3	28.7	33.3	33.3	36.1	37.1
90-93 Arts, entertainment and recreation	6.5	2.7	4.5	6.5	8.9	5.0	3.5	3.4
94-99 Other services; household-employers; extraterritorial bodies	3.2	2.6	2.2	3.0	3.3	1.9	3.0	3.2

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# CZECH REPUBLIC

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>1 578.9</b>	<b>1 795.2</b>	<b>1 973.4</b>	<b>1 930.0</b>	<b>1 854.2</b>	<b>2 003.3</b>	<b>2 297.2</b>	<b>2 525.6</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>5.7</b>	<b>6.7</b>	<b>7.8</b>	<b>6.6</b>	<b>6.5</b>	<b>7.5</b>	<b>7.5</b>	<b>8.7</b>
<b>05-09 MINING AND QUARRYING</b>	<b>9.1</b>	<b>4.3</b>	<b>4.4</b>	<b>5.4</b>	<b>4.2</b>	<b>3.4</b>	<b>1.3</b>	<b>1.3</b>
<b>10-33 MANUFACTURING</b>	<b>925.5</b>	<b>1 087.4</b>	<b>1 108.3</b>	<b>1 095.3</b>	<b>1 037.7</b>	<b>1 119.1</b>	<b>1 291.7</b>	<b>1 388.3</b>
10-12 Food products, beverages and tobacco	9.5	13.8	14.2	20.9	19.5	21.8	21.8	19.7
13-15 Textiles, wearing apparel, leather and related products	16.0	21.9	18.4	13.8	16.0	16.5	29.0	13.6
13 Textiles	10.3	14.7	12.5	9.9	11.2	13.3	14.8	11.2
14 Wearing apparel	4.4	5.1	4.8	3.1	3.4	2.3	13.0	1.4
15 Leather and related products, footwear	1.3	2.2	1.2	0.8	1.4	0.9	1.2	1.0
16-18 Wood and paper products and printing	1.0	1.1	1.0	1.2	1.1	3.1	5.4	2.8
16 Wood and wood products, except furniture	0.5	0.2	0.4	0.7	0.9	1.2	2.8	0.3
17 Paper and paper products	0.1	0.2	0.1	0.1	0.2	0.1	2.1	1.8
18 Printing and reproduction of recorded media	0.4	0.6	0.5	0.4	0.0	1.8	0.5	0.6
19-23 Chemical, rubber, plastic, non-metallic mineral products	191.7	210.0	195.2	196.1	195.8	202.6	211.5	210.4
19 Coke and refined petroleum products	0.8	0.7	0.7	0.8	0.6	0.7	0.7	0.4
20-21 Chemical and pharmaceutical products	101.4	111.9	122.9	119.9	135.0	132.1	138.1	135.0
20 Chemicals and chemical products	45.4	48.2	49.1	48.3	58.3	63.0	66.9	62.3
21 Pharmaceuticals, medicinal, chemical and botanical products	56.0	63.7	73.8	71.6	76.7	69.1	71.2	72.7
22 Rubber and plastic products	51.3	62.7	41.7	43.3	39.2	44.2	46.0	44.5
23 Other non-metallic mineral products	38.2	34.7	29.8	32.1	21.0	25.6	26.7	30.4
24-25 Basic metals, metal products, except machinery and equipment	61.8	61.3	58.3	61.5	52.5	67.4	70.5	80.0
24 Basic metals	34.6	33.0	28.5	22.0	13.1	15.8	19.5	20.5
25 Fabricated metal products, except machinery and equipment	27.1	28.3	29.9	39.5	39.4	51.5	51.0	59.6
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	577.7	675.3	677.4	687.6	614.3	656.3	772.5	870.0
26 Computer, electronic and optical products	107.1	138.8	126.1	105.9	85.1	78.1	76.0	80.3
27 Electrical equipment	48.7	49.8	59.6	58.9	69.0	91.9	107.2	133.4
28 Machinery and equipment n.e.c.	118.1	137.1	158.9	158.2	146.9	163.8	194.0	250.3
29 Motor vehicles, trailers and semi-trailers	238.2	285.7	273.0	281.6	228.9	225.8	263.5	299.0
30 Other transport equipment	65.7	63.9	59.7	83.1	84.5	96.7	131.8	107.0
31-33 Furniture; repair, installation of machinery and equipment	67.9	103.9	143.8	114.2	138.4	151.5	181.0	191.8
31 Furniture	2.2	2.0	1.9	1.7	2.4	2.7	4.8	3.4
32 Other manufacturing	8.2	12.3	16.9	18.2	17.0	18.9	23.7	29.4
33 Repair and installation of machinery and equipment	57.5	89.6	125.1	94.4	119.0	129.8	152.6	158.9
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>17.1</b>	<b>8.6</b>	<b>8.9</b>	<b>8.7</b>	<b>9.7</b>	<b>9.8</b>	<b>9.3</b>	<b>9.1</b>
35-36 Electricity, gas and water	13.7	3.4	4.5	4.5	2.7	2.0	2.7	3.2
37-39 Sewerage, waste management and remediation activities	3.4	5.2	4.4	4.2	7.0	7.8	6.6	5.8
<b>41-43 CONSTRUCTION</b>	<b>26.7</b>	<b>24.3</b>	<b>22.8</b>	<b>22.7</b>	<b>24.3</b>	<b>26.6</b>	<b>24.0</b>	<b>27.4</b>
<b>45-99 TOTAL SERVICES</b>	<b>594.8</b>	<b>664.0</b>	<b>821.2</b>	<b>791.3</b>	<b>771.7</b>	<b>837.0</b>	<b>963.4</b>	<b>1 090.9</b>
<b>45-82 Business sector services</b>	<b>561.2</b>	<b>629.7</b>	<b>784.3</b>	<b>754.8</b>	<b>730.9</b>	<b>800.0</b>	<b>924.5</b>	<b>1 051.3</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>20.0</b>	<b>30.1</b>	<b>45.9</b>	<b>56.3</b>	<b>54.9</b>	<b>60.4</b>	<b>61.6</b>	<b>59.8</b>
<b>49-53 Transportation and storage</b>	<b>0.5</b>	<b>0.4</b>	<b>0.5</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.4</b>	<b>1.3</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>
<b>58-63 Information and communication</b>	<b>178.3</b>	<b>195.8</b>	<b>219.1</b>	<b>251.8</b>	<b>246.2</b>	<b>268.6</b>	<b>328.1</b>	<b>364.7</b>
58-60 Publishing, audiovisual and broadcasting activities	14.4	17.4	19.1	18.2	13.7	16.1	14.2	15.9
58 Publishing activities	14.4	17.4	19.1	18.2	13.7	16.1	14.1	15.6
59-60 Motion picture, video and TV programme production; broadcasting activities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
59 Motion picture, video and TV programme production; sound and music	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
60 Programming and broadcasting activities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Telecommunications	0.9	24.7	30.3	28.8	26.1	34.0	36.3	39.5
62-63 IT and other information services	163.0	153.7	169.6	204.8	206.4	218.4	277.6	309.2
62 Computer programming, consultancy and related activities	135.8	120.1	128.7	154.7	155.7	174.3	202.8	231.6
63 Information service activities	27.2	33.6	41.0	50.1	50.7	44.2	74.8	77.6
<b>64-66 Financial and insurance activities</b>	<b>19.4</b>	<b>63.7</b>	<b>118.4</b>	<b>60.6</b>	<b>31.5</b>	<b>32.9</b>	<b>31.1</b>	<b>39.7</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>342.0</b>	<b>338.6</b>	<b>400.0</b>	<b>385.8</b>	<b>398.1</b>	<b>437.9</b>	<b>503.4</b>	<b>585.8</b>
68 Real estate activities	1.7	2.4	1.3	1.0	1.9	5.0	8.3	20.3
69-75x72 Professional, scientific and technical activities, except scientific R&D	65.6	66.1	72.8	85.7	100.9	118.7	161.6	157.7
72 Scientific research and development	274.4	270.0	326.0	298.2	294.8	313.6	332.2	403.5
77-82 Administrative and support service activities	0.2	0.2	0.0	0.9	0.5	0.6	1.3	4.3
84-99 Community, social and personal services	33.6	34.2	36.8	36.4	40.9	37.0	38.9	39.6
84-85 Public administration and defence; compulsory social security and education	0.1	0.3	0.2	0.5	0.3	0.3	0.9	1.7
86-88 Human health and social work activities	23.8	28.8	30.3	27.0	29.7	30.4	32.2	32.1
90-93 Arts, entertainment and recreation	6.5	2.7	4.2	6.1	7.9	4.6	3.1	2.9
94-99 Other services; household-employers; extraterritorial bodies	3.2	2.5	2.0	2.9	2.9	1.7	2.7	2.8

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# CZECH REPUBLIC

## R&D expenditure in industry by product field, current prices

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>1 578.9</b>	<b>1 842.6</b>	<b>2 102.6</b>	<b>2 050.9</b>	<b>2 075.8</b>	<b>2 190.7</b>	<b>2 577.7</b>	<b>2 917.8</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>22.8</b>	<b>27.5</b>	<b>29.4</b>	<b>16.0</b>	<b>15.8</b>	<b>13.7</b>	<b>15.5</b>	<b>15.7</b>
<b>05-09 MINING AND QUARRYING</b>	<b>5.0</b>	<b>4.0</b>	<b>3.3</b>	<b>5.8</b>	<b>6.1</b>	<b>5.9</b>	<b>4.6</b>	<b>1.8</b>
<b>10-33 MANUFACTURING</b>	<b>1 002.1</b>	<b>1 169.8</b>	<b>1 232.9</b>	<b>1 304.9</b>	<b>1 305.4</b>	<b>1 357.8</b>	<b>1 606.3</b>	<b>1 711.6</b>
10-12 Food products, beverages and tobacco	11.3	15.8	16.6	17.0	20.7	20.0	20.9	27.0
13-15 Textiles, wearing apparel, leather and related products	17.6	23.1	22.8	19.0	19.6	20.8	26.5	17.7
13 Textiles	13.0	17.2	16.7	11.9	13.9	16.8	23.3	15.2
14 Wearing apparel	3.3	4.6	4.6	2.8	3.8	2.9	2.3	1.5
15 Leather and related products, footwear	1.3	1.4	1.6	4.3	1.9	1.1	0.9	1.0
16-18 Wood and paper products and printing	1.8	1.7	1.4	1.2	1.3	4.2	7.6	5.2
16 Wood and wood products, except furniture	1.4	1.1	1.1	0.7	0.7	1.9	4.5	2.6
17 Paper and paper products	0.2	0.3	0.2	0.2	0.3	0.3	2.3	2.4
18 Printing and reproduction of recorded media	0.2	0.3	0.1	0.2	0.4	2.0	0.8	0.2
19-23 Chemical, rubber, plastic, non-metallic mineral products	224.5	229.8	221.4	221.8	225.8	244.0	266.8	239.2
19 Coke and refined petroleum products	1.2	0.8	0.8	1.2	1.2	0.7	1.2	1.7
20-21 Chemical and pharmaceutical products	125.8	126.9	141.9	144.5	158.5	162.6	187.8	144.0
20 Chemicals and chemical products	48.9	41.6	40.3	54.7	43.8	62.3	58.9	51.9
21 Pharmaceuticals, medicinal, chemical and botanical products	77.0	85.3	101.6	89.7	114.7	100.2	128.9	92.0
22 Rubber and plastic products	56.9	67.8	47.9	44.1	41.3	50.7	47.8	55.5
23 Other non-metallic mineral products	40.6	34.3	30.7	32.1	24.8	30.0	30.0	38.0
24-25 Basic metals, metal products, except machinery and equipment	62.2	62.0	60.2	59.8	59.8	66.1	107.7	123.9
24 Basic metals	36.6	35.7	33.4	20.3	15.8	16.1	15.5	14.7
25 Fabricated metal products, except machinery and equipment	25.5	26.3	26.7	39.5	44.0	50.1	92.2	109.1
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	485.1	594.7	635.3	916.6	905.1	928.8	1 074.6	1 236.8
26 Computer, electronic and optical products	103.1	113.3	120.8	202.8	179.7	192.2	184.3	236.8
27 Electrical equipment	61.5	65.3	76.5	65.5	78.6	103.9	125.6	205.9
28 Machinery and equipment n.e.c.	141.4	162.6	207.8	212.5	220.4	250.5	291.7	250.2
29 Motor vehicles, trailers and semi-trailers	73.2	134.6	103.8	289.8	270.4	233.6	264.3	361.0
30 Other transport equipment	105.9	118.8	126.3	146.0	156.1	148.5	208.7	182.9
31-33 Furniture; repair, installation of machinery and equipment	199.7	242.7	275.3	69.5	73.1	73.9	102.2	61.7
31 Furniture	4.2	3.5	5.1	1.6	3.0	2.1	1.7	4.4
32 Other manufacturing	15.3	20.5	33.5	20.1	18.7	24.3	35.2	29.1
33 Repair and installation of machinery and equipment	180.1	218.6	236.7	47.8	51.4	47.5	65.3	28.3
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>20.3</b>	<b>10.8</b>	<b>12.0</b>	<b>10.5</b>	<b>15.6</b>	<b>15.6</b>	<b>21.2</b>	<b>22.9</b>
35-36 Electricity, gas and water	14.9	4.9	7.5	5.3	7.6	7.4	10.6	9.8
37-39 Sewerage, waste management and remediation activities	5.4	5.9	4.5	5.2	8.1	8.2	10.6	13.1
<b>41-43 CONSTRUCTION</b>	<b>28.1</b>	<b>27.1</b>	<b>26.1</b>	<b>26.3</b>	<b>28.0</b>	<b>26.8</b>	<b>25.8</b>	<b>28.0</b>
<b>45-99 TOTAL SERVICES</b>	<b>500.5</b>	<b>603.3</b>	<b>798.9</b>	<b>687.5</b>	<b>704.8</b>	<b>770.9</b>	<b>904.5</b>	<b>1 137.8</b>
<b>45-82 Business sector services</b>	<b>459.6</b>	<b>544.2</b>	<b>735.3</b>	<b>619.9</b>	<b>635.1</b>	<b>709.6</b>	<b>842.2</b>	<b>1 079.5</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>7.0</b>	<b>7.4</b>	<b>13.4</b>	<b>13.9</b>	<b>13.0</b>	<b>22.3</b>	<b>21.1</b>	<b>1.9</b>
<b>49-53 Transportation and storage</b>	<b>5.7</b>	<b>6.7</b>	<b>3.6</b>	<b>2.0</b>	<b>2.7</b>	<b>8.8</b>	<b>2.1</b>	<b>2.7</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>1.2</b>
<b>58-63 Information and communication</b>	<b>197.4</b>	<b>262.9</b>	<b>247.3</b>	<b>235.6</b>	<b>264.0</b>	<b>271.6</b>	<b>380.9</b>	<b>442.6</b>
58-60 Publishing, audiovisual and broadcasting activities	100.3	125.2	108.8	5.0	2.0	1.6	2.0	16.9
58 Publishing activities	..	..	..	..	..	..	..	12.1
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	4.9
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	4.9
61 Telecommunications	32.0	65.6	71.0	33.1	53.3	51.8	46.8	51.9
62-63 IT and other information services	65.1	72.1	67.5	197.5	208.7	218.2	332.1	373.8
62 Computer programming, consultancy and related activities	51.2	65.3	56.3	178.4	189.1	200.5	245.9	265.1
63 Information service activities	13.9	6.8	11.2	19.2	19.6	17.6	86.1	108.7
<b>64-66 Financial and insurance activities</b>	<b>19.2</b>	<b>19.4</b>	<b>125.6</b>	<b>64.4</b>	<b>35.2</b>	<b>39.6</b>	<b>33.8</b>	<b>36.9</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>230.3</b>	<b>247.8</b>	<b>345.4</b>	<b>304.0</b>	<b>320.2</b>	<b>367.3</b>	<b>404.3</b>	<b>594.2</b>
68 Real estate activities	0.8	0.2	0.3	0.7	0.9	3.9	4.3	0.2
69-75x72 Professional, scientific and technical activities, except scientific R&D	43.8	50.8	70.5	60.6	86.9	83.9	107.0	29.1
72 Scientific research and development	180.9	194.0	270.2	239.8	232.1	278.5	292.3	564.6
77-82 Administrative and support service activities	4.7	2.8	4.4	2.8	0.3	1.0	0.7	0.4
84-99 Community, social and personal services	41.0	59.1	63.6	67.6	69.7	61.3	62.3	58.3
84-85 Public administration and defence; compulsory social security and education	8.3	19.8	14.9	10.8	12.7	10.9	10.5	10.8
86-88 Human health and social work activities	24.9	34.2	41.6	49.2	46.8	44.8	46.9	45.6
90-93 Arts, entertainment and recreation	2.7	2.0	2.6	6.5	8.9	5.0	3.5	0.2
94-99 Other services; household-employers; extraterritorial bodies	5.0	3.1	4.5	1.1	1.3	0.6	1.5	1.7

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# CZECH REPUBLIC

## R&D expenditure in industry by product field, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>1 578.9</b>	<b>1 795.2</b>	<b>1 973.4</b>	<b>1 930.0</b>	<b>1 854.2</b>	<b>2 003.3</b>	<b>2 297.2</b>	<b>2 525.6</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>22.8</b>	<b>26.8</b>	<b>27.6</b>	<b>15.1</b>	<b>14.1</b>	<b>12.6</b>	<b>13.8</b>	<b>13.6</b>
<b>05-09 MINING AND QUARRYING</b>	<b>5.0</b>	<b>3.9</b>	<b>3.1</b>	<b>5.4</b>	<b>5.4</b>	<b>5.4</b>	<b>4.1</b>	<b>1.6</b>
<b>10-33 MANUFACTURING</b>	<b>1 002.1</b>	<b>1 139.7</b>	<b>1 157.1</b>	<b>1 227.9</b>	<b>1 166.1</b>	<b>1 241.7</b>	<b>1 431.4</b>	<b>1 481.5</b>
10-12 Food products, beverages and tobacco	11.3	15.4	15.6	16.0	18.5	18.3	18.6	23.4
13-15 Textiles, wearing apparel, leather and related products	17.6	22.5	21.4	17.9	17.5	19.1	23.6	15.3
13 Textiles	13.0	16.7	15.6	11.2	12.4	15.4	20.8	13.2
14 Wearing apparel	3.3	4.4	4.3	2.6	3.4	2.6	2.1	1.3
15 Leather and related products, footwear	1.3	1.3	1.5	4.0	1.7	1.0	0.8	0.9
16-18 Wood and paper products and printing	1.8	1.7	1.3	1.1	1.2	3.8	6.7	4.5
16 Wood and wood products, except furniture	1.4	1.1	1.1	0.7	0.6	1.8	4.0	2.3
17 Paper and paper products	0.2	0.3	0.2	0.2	0.2	0.3	2.0	2.0
18 Printing and reproduction of recorded media	0.2	0.3	0.1	0.2	0.3	1.8	0.7	0.2
19-23 Chemical, rubber, plastic, non-metallic mineral products	224.5	223.9	207.8	208.7	201.7	223.1	237.7	207.1
19 Coke and refined petroleum products	1.2	0.7	0.7	1.1	1.1	0.7	1.0	1.5
20-21 Chemical and pharmaceutical products	125.8	123.7	133.2	135.9	141.6	148.7	167.4	124.6
20 Chemicals and chemical products	48.9	40.5	37.8	51.5	39.1	57.0	52.5	45.0
21 Pharmaceuticals, medicinal, chemical and botanical products	77.0	83.1	95.4	84.5	102.5	91.6	114.9	79.6
22 Rubber and plastic products	56.9	66.0	45.0	41.5	36.9	46.3	42.6	48.1
23 Other non-metallic mineral products	40.6	33.4	28.8	30.2	22.1	27.5	26.8	32.9
24-25 Basic metals, metal products, except machinery and equipment	62.2	60.4	56.5	56.3	53.4	60.5	96.0	107.2
24 Basic metals	36.6	34.8	31.4	19.1	14.1	14.7	13.8	12.8
25 Fabricated metal products, except machinery and equipment	25.5	25.6	25.1	37.2	39.3	45.8	82.2	94.5
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	485.1	579.4	596.2	862.5	808.5	849.4	957.7	1 070.6
26 Computer, electronic and optical products	103.1	110.4	113.4	190.9	160.5	175.7	164.2	205.0
27 Electrical equipment	61.5	63.6	71.8	61.6	70.2	95.0	111.9	178.2
28 Machinery and equipment n.e.c.	141.4	158.4	195.0	199.9	196.9	229.1	260.0	216.6
29 Motor vehicles, trailers and semi-trailers	73.2	131.1	97.4	272.7	241.5	213.7	235.6	312.5
30 Other transport equipment	105.9	115.8	118.6	137.4	139.4	135.8	186.0	158.3
31-33 Furniture; repair, installation of machinery and equipment	199.7	236.4	258.4	65.4	65.3	67.5	91.1	53.4
31 Furniture	4.2	3.4	4.8	1.5	2.7	1.9	1.5	3.8
32 Other manufacturing	15.3	20.0	31.4	19.0	16.7	22.2	31.4	25.2
33 Repair and installation of machinery and equipment	180.1	213.0	222.1	45.0	45.9	43.4	58.2	24.5
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>20.3</b>	<b>10.6</b>	<b>11.3</b>	<b>9.9</b>	<b>14.0</b>	<b>14.3</b>	<b>18.9</b>	<b>19.8</b>
35-36 Electricity, gas and water	14.9	4.8	7.1	5.0	6.8	6.8	9.4	8.5
37-39 Sewerage, waste management and remediation activities	5.4	5.8	4.2	4.9	7.2	7.5	9.4	11.3
<b>41-43 CONSTRUCTION</b>	<b>28.1</b>	<b>26.4</b>	<b>24.5</b>	<b>24.7</b>	<b>25.0</b>	<b>24.5</b>	<b>23.0</b>	<b>24.2</b>
<b>45-99 TOTAL SERVICES</b>	<b>500.5</b>	<b>587.8</b>	<b>749.8</b>	<b>646.9</b>	<b>629.6</b>	<b>705.0</b>	<b>806.0</b>	<b>984.8</b>
<b>45-82 Business sector services</b>	<b>459.6</b>	<b>530.2</b>	<b>690.1</b>	<b>583.3</b>	<b>567.3</b>	<b>648.9</b>	<b>750.5</b>	<b>934.4</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>7.0</b>	<b>7.2</b>	<b>12.6</b>	<b>13.1</b>	<b>11.6</b>	<b>20.4</b>	<b>18.8</b>	<b>1.6</b>
<b>49-53 Transportation and storage</b>	<b>5.7</b>	<b>6.5</b>	<b>3.4</b>	<b>1.9</b>	<b>2.4</b>	<b>8.1</b>	<b>1.8</b>	<b>2.4</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>1.0</b>
<b>58-63 Information and communication</b>	<b>197.4</b>	<b>256.2</b>	<b>232.1</b>	<b>221.7</b>	<b>235.8</b>	<b>248.4</b>	<b>339.4</b>	<b>383.1</b>
58-60 Publishing, audiovisual and broadcasting activities	100.3	122.0	102.1	4.7	1.8	1.5	1.8	14.7
58 Publishing activities	..	..	..	..	..	..	..	10.4
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	4.2
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	4.2
61 Telecommunications	32.0	63.9	66.6	31.2	47.6	47.4	41.7	44.9
62-63 IT and other information services	65.1	70.2	63.3	185.9	186.4	199.5	295.9	323.5
62 Computer programming, consultancy and related activities	51.2	63.6	52.8	167.8	168.9	183.4	219.2	229.4
63 Information service activities	13.9	6.6	10.5	18.0	17.5	16.1	76.8	94.1
<b>64-66 Financial and insurance activities</b>	<b>19.2</b>	<b>18.9</b>	<b>117.9</b>	<b>60.6</b>	<b>31.5</b>	<b>36.2</b>	<b>30.1</b>	<b>31.9</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>230.3</b>	<b>241.4</b>	<b>324.2</b>	<b>286.1</b>	<b>286.0</b>	<b>335.9</b>	<b>360.3</b>	<b>514.4</b>
68 Real estate activities	0.8	0.2	0.2	0.6	0.8	3.6	3.8	0.1
69-75x72 Professional, scientific and technical activities, except scientific R&D	43.8	49.5	66.2	57.1	77.6	76.7	95.3	25.2
72 Scientific research and development	180.9	189.0	253.6	225.7	207.3	254.6	260.5	488.7
77-82 Administrative and support service activities	4.7	2.8	4.2	2.7	0.3	0.9	0.6	0.4
84-99 Community, social and personal services	41.0	57.6	59.7	63.6	62.3	56.0	55.5	50.5
84-85 Public administration and defence; compulsory social security and education	8.3	19.3	14.0	10.2	11.3	10.0	9.3	9.4
86-88 Human health and social work activities	24.9	33.3	39.1	46.3	41.8	40.9	41.8	39.4
90-93 Arts, entertainment and recreation	2.7	2.0	2.4	6.1	7.9	4.6	3.1	0.1
94-99 Other services; household-employers; extraterritorial bodies	5.0	3.0	4.2	1.0	1.1	0.6	1.3	1.5

.. Not available

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# DENMARK

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	..	<b>4 704.9</b>	<b>4 566.9</b>	<b>4 569.2</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	<b>3.7</b>	<b>6.8</b>	<b>6.8</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	<b>3.6</b>	<b>5.6</b>	<b>6.0</b>	..
<b>10-33 MANUFACTURING</b>	..	..	..	..	<b>2 321.7</b>	<b>2 389.8</b>	<b>2 115.3</b>	..
10-12 Food products, beverages and tobacco	..	..	..	..	58.3	48.7	67.1	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	3.3	3.9	2.3	..
13 Textiles	..	..	..	..	2.9	2.4	1.5	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	6.2	6.2	3.3	..
16 Wood and wood products, except furniture	..	..	..	..	1.2	1.1	1.4	..
17 Paper and paper products	..	..	..	..	4.9	3.8	1.6	..
18 Printing and reproduction of recorded media	..	..	..	..	0.1	1.2	0.3	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	..	1 101.4	1 169.8	1 075.8	..
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	1 037.4	1 114.5	1 023.8	..
20 Chemicals and chemical products	..	..	..	..	198.2	203.6	228.3	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	839.1	910.9	795.5	..
22 Rubber and plastic products	..	..	..	..	53.6	49.9	47.4	..
23 Other non-metallic mineral products	..	..	..	..	10.5	5.4	4.6	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	..	22.6	15.6	19.0	..
24 Basic metals	..	..	..	..	2.2	2.7	3.1	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	20.4	12.8	15.9	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	..	991.5	1 018.6	822.9	..
26 Computer, electronic and optical products	..	..	..	..	334.9	327.2	325.7	..
27 Electrical equipment	..	..	..	..	49.6	68.9	89.4	..
28 Machinery and equipment n.e.c.	..	..	..	..	594.0	607.3	386.8	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	9.9	10.3	15.7	..
30 Other transport equipment	..	..	..	..	3.2	5.0	5.4	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	138.4	126.8	124.9	..
31 Furniture	..	..	..	..	9.1	5.1	5.9	..
32 Other manufacturing	..	..	..	..	127.8	121.1	119.0	..
33 Repair and installation of machinery and equipment	..	..	..	..	1.5	0.7	0.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	..	<b>97.1</b>	<b>30.8</b>	<b>9.1</b>	..
35-36 Electricity, gas and water	..	..	..	..	95.5	29.8	6.0	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	1.7	0.9	3.0	..
<b>41-43 CONSTRUCTION</b>	..	..	..	..	<b>2.1</b>	<b>7.2</b>	<b>5.1</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	..	<b>2 276.7</b>	<b>2 126.7</b>	<b>2 427.0</b>	..
<b>45-82 Business sector services</b>	..	..	..	..	<b>2 270.7</b>	<b>2 126.1</b>	<b>2 395.8</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	<b>165.7</b>	<b>172.3</b>	<b>200.3</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	..	<b>27.4</b>	<b>19.0</b>	<b>7.5</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	..
<b>58-63 Information and communication</b>	..	..	..	..	<b>699.1</b>	<b>753.3</b>	<b>717.3</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	119.8	111.8	80.2	..
58 Publishing activities	..	..	..	..	119.4	102.9	77.8	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	0.4	8.9	2.4	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	0.4	8.9	2.4	..
60 Programming and broadcasting activities	..	..	..	..	0.0	0.0	0.0	..
61 Telecommunications	..	..	..	..	41.9	31.2	50.6	..
62-63 IT and other information services	..	..	..	..	537.2	610.3	586.6	..
62 Computer programming, consultancy and related activities	..	..	..	..	533.0	605.8	574.7	..
63 Information service activities	..	..	..	..	4.2	4.5	11.8	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	<b>462.6</b>	<b>499.3</b>	<b>540.6</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	<b>915.6</b>	<b>681.8</b>	<b>929.8</b>	..
68 Real estate activities	..	..	..	..	7.3	0.0	1.2	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	244.1	148.1	181.1	..
72 Scientific research and development	..	..	..	..	653.2	526.1	738.2	..
77-82 Administrative and support service activities	..	..	..	..	11.0	7.6	9.2	..
84-99 Community, social and personal services	..	..	..	..	6.1	0.6	31.1	..
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	..	..	..	..	3.2	0.3	0.1	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	0.0	0.1	31.1	..

.. Not available

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# DENMARK

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	..	<b>3 899.9</b>	<b>3 607.3</b>	<b>3 553.2</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	<b>3.1</b>	<b>5.4</b>	<b>5.3</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	<b>3.0</b>	<b>4.4</b>	<b>4.7</b>	..
<b>10-33 MANUFACTURING</b>	..	..	..	..	<b>1 924.4</b>	<b>1 887.7</b>	<b>1 644.9</b>	..
10-12 Food products, beverages and tobacco	..	..	..	..	48.3	38.5	52.2	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	2.8	3.1	1.8	..
13 Textiles	..	..	..	..	2.4	1.9	1.2	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	5.1	4.9	2.5	..
16 Wood and wood products, except furniture	..	..	..	..	1.0	0.9	1.1	..
17 Paper and paper products	..	..	..	..	4.0	3.0	1.2	..
18 Printing and reproduction of recorded media	..	..	..	..	0.1	1.0	0.2	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	..	913.0	924.0	836.6	..
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	859.9	880.3	796.2	..
20 Chemicals and chemical products	..	..	..	..	164.3	160.8	177.5	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	695.5	719.5	618.7	..
22 Rubber and plastic products	..	..	..	..	44.4	39.4	36.9	..
23 Other non-metallic mineral products	..	..	..	..	8.7	4.2	3.5	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	..	18.7	12.3	14.8	..
24 Basic metals	..	..	..	..	1.8	2.2	2.4	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	16.9	10.1	12.4	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	..	821.8	804.6	639.9	..
26 Computer, electronic and optical products	..	..	..	..	277.6	258.5	253.3	..
27 Electrical equipment	..	..	..	..	41.1	54.4	69.5	..
28 Machinery and equipment n.e.c.	..	..	..	..	492.3	479.7	300.8	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	8.2	8.1	12.2	..
30 Other transport equipment	..	..	..	..	2.7	3.9	4.2	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	114.7	100.2	97.2	..
31 Furniture	..	..	..	..	7.5	4.0	4.6	..
32 Other manufacturing	..	..	..	..	105.9	95.6	92.5	..
33 Repair and installation of machinery and equipment	..	..	..	..	1.3	0.5	0.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	..	<b>80.5</b>	<b>24.3</b>	<b>7.0</b>	..
35-36 Electricity, gas and water	..	..	..	..	79.1	23.6	4.7	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	1.4	0.7	2.4	..
<b>41-43 CONSTRUCTION</b>	..	..	..	..	<b>1.7</b>	<b>5.7</b>	<b>4.0</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	..	<b>1 887.2</b>	<b>1 679.9</b>	<b>1 887.3</b>	..
<b>45-82 Business sector services</b>	..	..	..	..	<b>1 882.1</b>	<b>1 679.4</b>	<b>1 863.1</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	<b>137.3</b>	<b>136.1</b>	<b>155.7</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	..	<b>22.7</b>	<b>15.0</b>	<b>5.8</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	<b>0.2</b>	<b>0.4</b>	<b>0.3</b>	..
<b>58-63 Information and communication</b>	..	..	..	..	<b>579.4</b>	<b>595.0</b>	<b>557.8</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	99.3	88.3	62.3	..
58 Publishing activities	..	..	..	..	99.0	81.3	60.5	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	0.3	7.0	1.9	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	0.3	7.0	1.9	..
60 Programming and broadcasting activities	..	..	..	..	0.0	0.0	0.0	..
61 Telecommunications	..	..	..	..	34.7	24.6	39.4	..
62-63 IT and other information services	..	..	..	..	445.3	482.1	456.1	..
62 Computer programming, consultancy and related activities	..	..	..	..	441.8	478.5	446.9	..
63 Information service activities	..	..	..	..	3.5	3.5	9.2	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	<b>383.5</b>	<b>394.4</b>	<b>420.4</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	<b>759.0</b>	<b>538.5</b>	<b>723.1</b>	..
68 Real estate activities	..	..	..	..	6.1	0.0	1.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	202.4	117.0	140.9	..
72 Scientific research and development	..	..	..	..	541.4	415.6	574.1	..
77-82 Administrative and support service activities	..	..	..	..	9.1	6.0	7.2	..
84-99 Community, social and personal services	..	..	..	..	5.0	0.5	24.2	..
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	..	..	..	..	2.7	0.3	0.1	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	0.0	0.1	24.2	..

.. Not available

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# ESTONIA

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>93.4</b>	<b>129.1</b>	<b>147.4</b>	<b>163.8</b>	<b>168.8</b>	<b>222.9</b>	<b>463.4</b>	<b>408.7</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.1</b>	<b>..</b>	<b>0.2</b>	<b>0.5</b>	<b>..</b>	<b>..</b>	<b>0.1</b>	<b>..</b>
<b>05-09 MINING AND QUARRYING</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>10-33 MANUFACTURING</b>	<b>37.6</b>	<b>38.2</b>	<b>49.4</b>	<b>37.1</b>	<b>34.7</b>	<b>81.9</b>	<b>295.6</b>	<b>177.3</b>
10-12 Food products, beverages and tobacco	5.7	1.6	6.7	3.7	3.9	2.9	2.6	2.5
13-15 Textiles, wearing apparel, leather and related products	0.6	0.6	0.9	1.2	0.7	1.0	1.0	0.8
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	0.4	2.3	3.6	0.8	0.6	3.8	1.1	0.2
16 Wood and wood products, except furniture	..	..	3.2	0.8	..	..	..	..
17 Paper and paper products	..	..	0.4	0.0	0.0	0.0	0.0	0.0
18 Printing and reproduction of recorded media	..	..	0.0	0.0	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	..	..	..	..	..
19 Coke and refined petroleum products	..	..	11.1	11.3	4.7	..	257.6	142.3
20-21 Chemical and pharmaceutical products	..	..	..	..	..	6.7	9.0	8.3
20 Chemicals and chemical products	..	..	4.5	4.9	5.0	6.3	2.9	6.6
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	..	0.4	6.1	1.7
22 Rubber and plastic products	..	0.4	..	0.6	1.6	1.3	1.7	1.6
23 Other non-metallic mineral products	0.9	0.4	0.4	0.3	0.1	..	..	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	0.9	0.2	1.6	..	0.7	0.4
24 Basic metals	..	..	0.0	0.0	0.0	..	0.0	0.0
25 Fabricated metal products, except machinery and equipment	..	..	0.9	0.2	1.6	0.7	0.7	0.4
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	16.6	10.9	12.7	13.0	18.7	18.2
26 Computer, electronic and optical products	..	..	9.0	4.3	5.8	5.5	5.6	4.3
27 Electrical equipment	..	..	0.8	0.6	2.2	3.1	7.7	8.2
28 Machinery and equipment n.e.c.	..	..	4.0	4.3	2.8	1.9	1.5	1.3
29 Motor vehicles, trailers and semi-trailers	..	2.1	2.9	1.5	1.7	1.7	3.6	4.3
30 Other transport equipment	1.0	..	0.0	..	..	..	..	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	2.7	3.5	..	2.9	..
31 Furniture	..	..	0.9	0.4	0.3	0.4	0.4	0.5
32 Other manufacturing	..	..	1.4	1.3	2.8	2.2	2.4	1.5
33 Repair and installation of machinery and equipment	..	..	..	1.0	0.3	..	0.1	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>1.1</b>	<b>1.1</b>	<b>3.3</b>	<b>5.4</b>	<b>5.4</b>	<b>4.8</b>	<b>23.2</b>	<b>32.1</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>0.7</b>	<b>5.8</b>
<b>45-99 TOTAL SERVICES</b>	<b>50.6</b>	<b>87.1</b>	<b>93.9</b>	<b>120.3</b>	<b>128.1</b>	<b>134.4</b>	<b>143.5</b>	<b>193.2</b>
<b>45-82 Business sector services</b>	<b>50.3</b>	<b>86.7</b>	<b>93.9</b>	<b>120.3</b>	<b>126.0</b>	<b>134.4</b>	<b>141.0</b>	<b>190.8</b>
45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs	..	..	5.7	5.8	7.5	2.8	2.8	3.2
49-53 Transportation and storage	..	..	4.9	4.7	1.3	..	..	..
55-56 Accommodation and food service activities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>52.5</b>	<b>69.8</b>	<b>60.7</b>	<b>56.3</b>	<b>67.3</b>	<b>98.2</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	0.0	0.0	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	0.0	0.0	0.0	0.0	0.0
59 Motion picture, video and TV programme production; sound and music	..	..	0.0	0.0	0.0	0.0	0.0	0.0
60 Programming and broadcasting activities	..	..	..	0.0	0.0	0.0	0.0	0.0
61 Telecommunications	..	..	10.9	12.0	..	3.8	11.2	24.3
62-63 IT and other information services	20.0	34.1	41.5	57.8	..	52.4	55.9	73.9
62 Computer programming, consultancy and related activities	..	..	40.1	56.6	48.8	51.5	53.3	71.2
63 Information service activities	..	..	1.4	..	..	0.9	2.6	2.7
<b>64-66 Financial and insurance activities</b>	<b>12.3</b>	<b>18.7</b>	<b>11.2</b>	<b>13.9</b>	<b>19.1</b>	<b>25.3</b>	<b>22.0</b>	<b>21.8</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>..</b>	<b>..</b>	<b>19.4</b>	<b>25.8</b>	<b>37.4</b>	<b>49.4</b>	<b>48.2</b>	<b>67.5</b>
68 Real estate activities	..	..	0.0	0.0	0.0	0.0	0.0	0.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	5.8	6.7	6.7	6.7	7.7	10.9
72 Scientific research and development	9.2	12.3	13.4	18.8	28.7	40.9	39.5	55.9
77-82 Administrative and support service activities	..	..	..	..	2.0	1.8	..	..
84-99 Community, social and personal services	..	..	..	..	2.1	..	2.5	2.4
84-85 Public administration and defence; compulsory social security and education	..	..	0.0	0.0	0.0	0.0	0.0	0.0
86-88 Human health and social work activities	..	..	..	..	2.1	..	2.5	2.4
90-93 Arts, entertainment and recreation	..	..	0.0	0.0	0.0	0.0	0.0	0.0
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	0.0	0.0	0.0	0.0	0.0

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# ESTONIA

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>93.4</b>	<b>122.9</b>	<b>134.3</b>	<b>139.9</b>	<b>137.0</b>	<b>180.9</b>	<b>365.2</b>	<b>318.8</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.1</b>	<b>..</b>	<b>0.2</b>	<b>0.4</b>	<b>..</b>	<b>..</b>	<b>0.1</b>	<b>..</b>
<b>05-09 MINING AND QUARRYING</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>10-33 MANUFACTURING</b>	<b>37.6</b>	<b>36.3</b>	<b>45.0</b>	<b>31.7</b>	<b>28.1</b>	<b>66.4</b>	<b>233.0</b>	<b>138.3</b>
10-12 Food products, beverages and tobacco	5.7	1.5	6.1	3.2	3.1	2.4	2.1	2.0
13-15 Textiles, wearing apparel, leather and related products	0.6	0.6	0.8	1.0	0.6	0.8	0.8	0.7
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	0.4	2.2	3.3	0.7	0.5	3.1	0.9	0.2
16 Wood and wood products, except furniture	..	..	2.9	0.7	..	..	..	..
17 Paper and paper products	..	..	0.4	0.0	0.0	0.0	0.0	0.0
18 Printing and reproduction of recorded media	..	..	0.0	0.0	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	..	..	..	..	..
19 Coke and refined petroleum products	..	..	10.1	9.6	3.8	..	203.0	111.0
20-21 Chemical and pharmaceutical products	..	..	..	..	..	5.5	7.1	6.5
20 Chemicals and chemical products	..	..	4.1	4.2	4.1	5.1	2.3	5.2
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	..	0.4	4.8	1.3
22 Rubber and plastic products	..	0.4	..	0.5	1.3	1.0	1.3	1.2
23 Other non-metallic mineral products	0.9	0.4	0.4	0.3	0.1	..	..	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	0.9	0.2	1.3	..	0.6	0.3
24 Basic metals	..	..	0.0	0.0	0.0	..	0.0	0.0
25 Fabricated metal products, except machinery and equipment	..	..	0.9	0.2	1.3	0.6	0.6	0.3
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	15.2	9.3	10.3	10.6	14.8	14.2
26 Computer, electronic and optical products	..	..	8.2	3.7	4.7	4.5	4.4	3.4
27 Electrical equipment	..	..	0.7	0.5	1.8	2.5	6.1	6.4
28 Machinery and equipment n.e.c.	..	..	3.6	3.6	2.3	1.6	1.2	1.1
29 Motor vehicles, trailers and semi-trailers	..	2.0	2.7	1.3	1.4	1.4	2.9	3.4
30 Other transport equipment	1.0	..	0.0	..	..	..	..	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	2.3	2.8	..	2.3	..
31 Furniture	..	..	0.8	0.3	0.3	0.4	0.3	0.4
32 Other manufacturing	..	..	1.3	1.1	2.3	1.8	1.9	1.2
33 Repair and installation of machinery and equipment	..	..	..	0.9	0.3	..	0.1	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>1.1</b>	<b>1.1</b>	<b>3.0</b>	<b>4.6</b>	<b>4.4</b>	<b>3.9</b>	<b>18.3</b>	<b>25.0</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>0.5</b>	<b>4.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>50.6</b>	<b>82.8</b>	<b>85.6</b>	<b>102.7</b>	<b>104.0</b>	<b>109.1</b>	<b>113.1</b>	<b>150.7</b>
<b>45-82 Business sector services</b>	<b>50.3</b>	<b>82.5</b>	<b>85.6</b>	<b>102.7</b>	<b>102.3</b>	<b>109.1</b>	<b>111.2</b>	<b>148.8</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>..</b>	<b>..</b>	<b>5.2</b>	<b>4.9</b>	<b>6.1</b>	<b>2.3</b>	<b>2.2</b>	<b>2.5</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>4.4</b>	<b>4.0</b>	<b>1.1</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>47.9</b>	<b>59.6</b>	<b>49.3</b>	<b>45.7</b>	<b>53.0</b>	<b>76.6</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	0.0	0.0	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	0.0	0.0	0.0	0.0	0.0
59 Motion picture, video and TV programme production; sound and music	..	..	0.0	0.0	0.0	0.0	0.0	0.0
60 Programming and broadcasting activities	..	..	..	0.0	0.0	0.0	0.0	0.0
61 Telecommunications	..	..	9.9	10.2	..	3.1	8.9	19.0
62-63 IT and other information services	20.0	32.5	37.8	49.4	..	42.5	44.1	57.6
62 Computer programming, consultancy and related activities	..	..	36.5	48.3	39.6	41.8	42.0	55.5
63 Information service activities	..	..	1.3	..	..	0.8	2.1	2.1
<b>64-66 Financial and insurance activities</b>	<b>12.3</b>	<b>17.8</b>	<b>10.2</b>	<b>11.9</b>	<b>15.5</b>	<b>20.6</b>	<b>17.3</b>	<b>17.0</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>..</b>	<b>..</b>	<b>17.7</b>	<b>22.1</b>	<b>30.4</b>	<b>40.1</b>	<b>38.0</b>	<b>52.6</b>
68 Real estate activities	..	..	0.0	0.0	0.0	0.0	0.0	0.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	5.3	5.9	5.4	5.4	6.1	8.5
72 Scientific research and development	9.2	11.7	12.2	16.1	23.3	33.2	31.2	43.6
77-82 Administrative and support service activities	..	..	..	..	1.6	1.5	..	..
84-99 Community, social and personal services	..	..	..	..	1.7	..	2.0	1.9
84-85 Public administration and defence; compulsory social security and education	..	..	0.0	0.0	0.0	0.0	0.0	0.0
86-88 Human health and social work activities	..	..	..	..	1.7	..	2.0	1.9
90-93 Arts, entertainment and recreation	..	..	0.0	0.0	0.0	0.0	0.0	0.0
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	0.0	0.0	0.0	0.0	0.0

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# FINLAND

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>3 967.2</b>	<b>4 328.7</b>	<b>4 794.2</b>	<b>5 560.0</b>	<b>5 387.5</b>	<b>5 329.8</b>	<b>5 564.6</b>	<b>5 174.9</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.7</b>	<b>1.1</b>	<b>3.9</b>	<b>5.4</b>	<b>2.0</b>
<b>05-09 MINING AND QUARRYING</b>	<b>4.1</b>	<b>4.2</b>	<b>6.4</b>	<b>11.1</b>	<b>16.4</b>	<b>9.0</b>	<b>9.2</b>	<b>10.9</b>
<b>10-33 MANUFACTURING</b>	<b>3 161.6</b>	<b>3 430.8</b>	<b>3 809.1</b>	<b>4 429.3</b>	<b>4 312.6</b>	<b>4 245.9</b>	<b>4 275.5</b>	<b>3 733.4</b>
10-12 Food products, beverages and tobacco	61.0	68.2	61.8	68.5	63.5	70.8	70.8	65.7
13-15 Textiles, wearing apparel, leather and related products	8.7	12.9	11.4	13.6	19.0	9.5	7.5	5.5
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	106.4	101.9	110.4	125.4	106.7	128.1	100.1	109.3
16 Wood and wood products, except furniture	10.1	6.4	12.3	11.7	11.4	11.9	10.6	8.5
17 Paper and paper products	92.2	90.6	90.8	105.0	87.2	111.4	83.7	94.4
18 Printing and reproduction of recorded media	4.1	4.9	7.4	8.8	8.1	4.8	5.8	6.4
19-23 Chemical, rubber, plastic, non-metallic mineral products	280.9	319.9	368.7	395.7	357.2	363.3	386.2	385.5
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	233.3	249.4	283.8	283.6	249.8	249.8	270.9	267.6
20 Chemicals and chemical products	..	..	..	162.3	128.3	134.2	142.1	117.2
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	121.3	121.5	115.6	128.8	150.4
22 Rubber and plastic products	..	..	..	..	..	..	..	..
23 Other non-metallic mineral products	25.5	27.5	30.0	29.8	26.9	33.0	33.4	37.3
24-25 Basic metals, metal products, except machinery and equipment	85.0	79.2	86.3	104.4	115.0	114.7	107.2	99.1
24 Basic metals	49.1	48.2	52.3	61.9	63.5	66.1	55.8	52.0
25 Fabricated metal products, except machinery and equipment	35.9	31.0	34.0	42.5	51.5	48.6	51.4	47.1
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	2 592.6	2 817.2	3 121.9	3 682.9	3 616.6	3 525.4	3 568.3	3 027.5
26 Computer, electronic and optical products	2 116.2	2 284.1	2 512.0	2 970.7	2 929.2	2 837.8	2 766.9	2 100.3
27 Electrical equipment	128.6	126.8	159.0	229.3	235.7	255.3	286.5	318.8
28 Machinery and equipment n.e.c.	297.9	343.5	403.6	436.4	387.5	380.4	439.8	519.4
29 Motor vehicles, trailers and semi-trailers	22.8	28.6	21.6	21.3	25.6	21.2	22.7	23.3
30 Other transport equipment	27.1	34.1	25.7	25.3	38.6	30.6	52.4	65.6
31-33 Furniture; repair, installation of machinery and equipment	26.9	31.5	48.5	38.8	34.6	34.0	35.4	41.0
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	20.6	16.6	16.0	15.3	20.3
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>35.9</b>	<b>47.7</b>	<b>34.7</b>	<b>37.1</b>	<b>43.1</b>	<b>45.1</b>	<b>56.9</b>	<b>62.5</b>
35-36 Electricity, gas and water	..	..	..	11.9	15.7	23.2	25.8	33.8
37-39 Sewerage, waste management and remediation activities	..	..	..	25.2	27.4	21.8	31.1	28.7
<b>41-43 CONSTRUCTION</b>	<b>26.4</b>	<b>28.6</b>	<b>35.2</b>	<b>35.8</b>	<b>48.6</b>	<b>63.5</b>	<b>54.7</b>	<b>56.6</b>
<b>45-99 TOTAL SERVICES</b>	<b>738.8</b>	<b>817.1</b>	<b>908.5</b>	<b>1 045.9</b>	<b>965.5</b>	<b>962.5</b>	<b>1 162.9</b>	<b>1 309.5</b>
<b>45-82 Business sector services</b>	<b>732.3</b>	<b>809.9</b>	<b>899.5</b>	<b>1 035.8</b>	<b>953.3</b>	<b>942.6</b>	<b>1 142.1</b>	<b>1 280.3</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>76.1</b>	<b>93.0</b>	<b>65.7</b>	<b>76.2</b>	<b>81.7</b>	<b>79.2</b>	<b>100.6</b>	<b>129.2</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>22.0</b>	<b>19.9</b>	<b>11.6</b>	<b>17.2</b>	<b>19.6</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>0.7</b>	<b>0.7</b>	<b>1.1</b>
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>466.0</b>	<b>416.4</b>	<b>454.7</b>	<b>495.5</b>	<b>515.1</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	14.9	11.5	57.1	63.8	64.1
58 Publishing activities	..	..	..	12.2	9.3	54.9	60.7	62.3
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	2.7	2.2	2.1	3.1	1.8
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	2.1	..	..
60 Programming and broadcasting activities	..	..	..	..	..	0.1	..	..
61 Telecommunications	..	..	..	60.2	50.3	48.1	41.9	27.4
62-63 IT and other information services	276.8	298.4	370.9	390.9	354.6	349.5	389.9	423.5
62 Computer programming, consultancy and related activities	..	..	..	374.8	340.5	333.0	379.5	417.4
63 Information service activities	..	..	..	16.1	14.1	16.5	10.4	6.1
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>37.5</b>	<b>83.0</b>	<b>76.7</b>	<b>75.3</b>	<b>78.6</b>	<b>95.0</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>277.9</b>	<b>325.2</b>	<b>333.9</b>	<b>388.6</b>	<b>358.6</b>	<b>321.1</b>	<b>449.6</b>	<b>520.3</b>
68 Real estate activities	..	..	..	..	..	2.5	3.1	3.2
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	213.4	187.4	188.2	168.3	192.5
72 Scientific research and development	182.9	196.1	179.8	175.2	171.2	127.1	273.7	319.2
77-82 Administrative and support service activities	..	..	..	..	..	3.2	4.5	5.4
84-99 Community, social and personal services	6.5	7.2	9.0	10.1	12.2	20.0	20.8	29.2
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	0.0	1.4	3.3
86-88 Human health and social work activities	..	..	..	..	..	2.8	3.0	4.0
90-93 Arts, entertainment and recreation	..	..	..	..	..	14.3	13.1	16.8
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	2.8	3.3	5.1

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# FINLAND

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>3 967.2</b>	<b>4 168.2</b>	<b>4 446.7</b>	<b>4 882.9</b>	<b>4 571.7</b>	<b>4 562.9</b>	<b>4 616.5</b>	<b>4 173.2</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.6</b>	<b>1.0</b>	<b>3.3</b>	<b>4.5</b>	<b>1.6</b>
<b>05-09 MINING AND QUARRYING</b>	<b>4.1</b>	<b>4.1</b>	<b>5.9</b>	<b>9.7</b>	<b>13.9</b>	<b>7.7</b>	<b>7.6</b>	<b>8.8</b>
<b>10-33 MANUFACTURING</b>	<b>3 161.6</b>	<b>3 303.6</b>	<b>3 533.0</b>	<b>3 889.9</b>	<b>3 659.5</b>	<b>3 634.9</b>	<b>3 547.0</b>	<b>3 010.8</b>
10-12 Food products, beverages and tobacco	61.0	65.7	57.3	60.2	53.9	60.6	58.7	53.0
13-15 Textiles, wearing apparel, leather and related products	8.7	12.4	10.5	11.9	16.2	8.1	6.2	4.4
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	106.4	98.1	102.4	110.2	90.5	109.7	83.0	88.1
16 Wood and wood products, except furniture	10.1	6.2	11.4	10.3	9.6	10.1	8.8	6.9
17 Paper and paper products	92.2	87.3	84.2	92.2	74.0	95.4	69.4	76.1
18 Printing and reproduction of recorded media	4.1	4.7	6.9	7.7	6.9	4.1	4.8	5.1
19-23 Chemical, rubber, plastic, non-metallic mineral products	280.9	308.0	342.0	347.5	303.1	311.0	320.4	310.9
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	233.3	240.2	263.2	249.1	211.9	213.8	224.7	215.8
20 Chemicals and chemical products	..	..	..	142.6	108.9	114.9	117.9	94.6
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	106.5	103.1	99.0	106.8	121.3
22 Rubber and plastic products	..	..	..	..	..	..	..	..
23 Other non-metallic mineral products	25.5	26.5	27.9	26.2	22.8	28.2	27.7	30.1
24-25 Basic metals, metal products, except machinery and equipment	85.0	76.3	80.1	91.7	97.6	98.2	88.9	79.9
24 Basic metals	49.1	46.5	48.5	54.4	53.9	56.6	46.3	41.9
25 Fabricated metal products, except machinery and equipment	35.9	29.8	31.6	37.3	43.7	41.6	42.6	38.0
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	2 592.6	2 712.7	2 895.6	3 234.4	3 068.9	3 018.1	2 960.3	2 441.5
26 Computer, electronic and optical products	2 116.2	2 199.4	2 330.0	2 608.9	2 485.6	2 429.5	2 295.5	1 693.8
27 Electrical equipment	128.6	122.1	147.5	201.4	200.0	218.6	237.7	257.1
28 Machinery and equipment n.e.c.	297.9	330.8	374.4	383.2	328.8	325.7	364.8	418.9
29 Motor vehicles, trailers and semi-trailers	22.8	27.6	20.0	18.7	21.7	18.2	18.8	18.8
30 Other transport equipment	27.1	32.8	23.8	22.2	32.8	26.2	43.5	52.9
31-33 Furniture; repair, installation of machinery and equipment	26.9	30.4	44.9	34.0	29.3	29.1	29.4	33.1
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	18.1	14.1	13.7	12.7	16.4
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>35.9</b>	<b>45.9</b>	<b>32.2</b>	<b>32.6</b>	<b>36.6</b>	<b>38.6</b>	<b>47.2</b>	<b>50.4</b>
35-36 Electricity, gas and water	..	..	..	10.5	13.3	19.9	21.4	27.2
37-39 Sewerage, waste management and remediation activities	..	..	..	22.1	23.3	18.7	25.8	23.2
<b>41-43 CONSTRUCTION</b>	<b>26.4</b>	<b>27.5</b>	<b>32.7</b>	<b>31.5</b>	<b>41.3</b>	<b>54.3</b>	<b>45.4</b>	<b>45.6</b>
<b>45-99 TOTAL SERVICES</b>	<b>738.8</b>	<b>786.8</b>	<b>842.7</b>	<b>918.6</b>	<b>819.3</b>	<b>824.0</b>	<b>964.8</b>	<b>1 056.0</b>
<b>45-82 Business sector services</b>	<b>732.3</b>	<b>779.8</b>	<b>834.3</b>	<b>909.7</b>	<b>808.9</b>	<b>806.9</b>	<b>947.5</b>	<b>1 032.5</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>76.1</b>	<b>89.5</b>	<b>61.0</b>	<b>67.0</b>	<b>69.3</b>	<b>67.8</b>	<b>83.5</b>	<b>104.2</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>19.3</b>	<b>16.9</b>	<b>9.9</b>	<b>14.2</b>	<b>15.8</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>0.6</b>	<b>0.6</b>	<b>0.9</b>
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>409.2</b>	<b>353.4</b>	<b>389.3</b>	<b>411.1</b>	<b>415.4</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	13.1	9.7	48.8	52.9	51.7
58 Publishing activities	..	..	..	10.7	7.9	47.0	50.3	50.3
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	2.3	1.9	1.8	2.6	1.5
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	1.8	..	..
60 Programming and broadcasting activities	..	..	..	..	..	0.1	..	..
61 Telecommunications	..	..	..	52.9	42.7	41.2	34.7	22.1
62-63 IT and other information services	276.8	287.4	344.0	343.3	300.9	299.2	323.5	341.6
62 Computer programming, consultancy and related activities	..	..	..	329.2	288.9	285.1	314.9	336.6
63 Information service activities	..	..	..	14.1	12.0	14.1	8.6	4.9
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>34.8</b>	<b>72.9</b>	<b>65.1</b>	<b>64.5</b>	<b>65.2</b>	<b>76.6</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>277.9</b>	<b>313.2</b>	<b>309.7</b>	<b>341.3</b>	<b>304.3</b>	<b>274.9</b>	<b>373.0</b>	<b>419.6</b>
68 Real estate activities	..	..	..	..	..	2.2	2.5	2.6
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	187.4	159.0	161.1	139.7	155.3
72 Scientific research and development	182.9	188.8	166.8	153.9	145.3	108.8	227.1	257.4
77-82 Administrative and support service activities	..	..	..	..	..	2.8	3.7	4.3
84-99 Community, social and personal services	6.5	7.0	8.3	8.9	10.4	17.1	17.2	23.6
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	0.0	1.1	2.6
86-88 Human health and social work activities	..	..	..	..	..	2.4	2.5	3.2
90-93 Arts, entertainment and recreation	..	..	..	..	..	12.3	10.8	13.6
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	2.4	2.8	4.1

.. Not available

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# FINLAND

## R&D expenditure in industry by product field, current prices

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	..	..	<b>5 329.8</b>	<b>5 564.6</b>	<b>5 174.9</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	<b>13.1</b>	<b>22.1</b>	<b>21.1</b>
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	<b>41.3</b>	<b>40.4</b>	<b>18.4</b>
<b>10-33 MANUFACTURING</b>	..	..	..	..	..	<b>4 356.5</b>	<b>4 456.2</b>	<b>3 921.3</b>
10-12 Food products, beverages and tobacco	..	..	..	..	..	73.4	70.3	81.3
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	..	13.4	13.9	9.5
13 Textiles	..	..	..	..	..	9.0	8.6	5.8
14 Wearing apparel	..	..	..	..	..	4.1	4.8	2.8
15 Leather and related products, footwear	..	..	..	..	..	0.3	0.6	0.8
16-18 Wood and paper products and printing	..	..	..	..	..	122.4	94.4	109.6
16 Wood and wood products, except furniture	..	..	..	..	..	8.9	7.8	7.2
17 Paper and paper products	..	..	..	..	..	110.8	81.1	95.4
18 Printing and reproduction of recorded media	..	..	..	..	..	2.6	5.5	6.0
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	..	..	410.9	428.6	406.6
19 Coke and refined petroleum products	..	..	..	..	..	45.3	47.4	49.1
20-21 Chemical and pharmaceutical products	..	..	..	..	..	308.9	322.7	297.5
20 Chemicals and chemical products	..	..	..	..	..	129.1	133.3	100.9
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	..	179.8	189.5	196.5
22 Rubber and plastic products	..	..	..	..	..	36.4	41.2	43.1
23 Other non-metallic mineral products	..	..	..	..	..	20.3	17.3	16.9
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	..	..	211.7	149.4	94.5
24 Basic metals	..	..	..	..	..	41.1	37.0	35.1
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	170.6	112.4	59.4
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	..	..	3 449.4	3 622.0	3 137.9
26 Computer, electronic and optical products	..	..	..	..	..	2 917.0	2 908.0	2 259.8
27 Electrical equipment	..	..	..	..	..	238.2	275.7	315.1
28 Machinery and equipment n.e.c.	..	..	..	..	..	236.6	345.1	458.5
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	16.6	18.5	5.9
30 Other transport equipment	..	..	..	..	..	41.0	74.6	98.6
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	..	75.3	77.5	81.9
31 Furniture	..	..	..	..	..	4.5	6.3	7.6
32 Other manufacturing	..	..	..	..	..	54.6	59.9	62.0
33 Repair and installation of machinery and equipment	..	..	..	..	..	16.2	11.3	12.3
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	..	..	<b>44.9</b>	<b>41.3</b>	<b>32.6</b>
35-36 Electricity, gas and water	..	..	..	..	..	38.2	29.8	27.7
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	6.7	11.5	4.9
<b>41-43 CONSTRUCTION</b>	..	..	..	..	..	<b>64.1</b>	<b>73.2</b>	<b>72.5</b>
<b>45-99 TOTAL SERVICES</b>	..	..	..	..	..	<b>810.0</b>	<b>931.4</b>	<b>1 109.0</b>
<b>45-82 Business sector services</b>	..	..	..	..	..	<b>769.5</b>	<b>891.9</b>	<b>1 036.0</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	..	<b>6.3</b>	<b>15.5</b>	<b>3.4</b>
<b>49-53 Transportation and storage</b>	..	..	..	..	..	<b>12.2</b>	<b>17.3</b>	<b>18.4</b>
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	<b>1.3</b>	<b>8.1</b>	<b>1.1</b>
<b>58-63 Information and communication</b>	..	..	..	..	..	<b>511.2</b>	<b>638.3</b>	<b>761.1</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	8.9	11.5	15.3
58 Publishing activities	..	..	..	..	..	6.9	9.0	13.1
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	2.0	2.5	2.3
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	0.7	1.0	1.1
60 Programming and broadcasting activities	..	..	..	..	..	1.3	1.5	1.2
61 Telecommunications	..	..	..	..	..	89.1	225.7	290.7
62-63 IT and other information services	..	..	..	..	..	413.2	401.1	455.1
62 Computer programming, consultancy and related activities	..	..	..	..	..	289.3	276.6	328.3
63 Information service activities	..	..	..	..	..	123.9	124.5	126.8
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	<b>72.1</b>	<b>74.5</b>	<b>92.7</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	..	<b>166.4</b>	<b>138.3</b>	<b>159.2</b>
68 Real estate activities	..	..	..	..	..	9.9	2.7	5.7
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	40.9	21.6	22.9
72 Scientific research and development	..	..	..	..	..	108.8	106.0	127.1
77-82 Administrative and support service activities	..	..	..	..	..	6.8	7.9	3.6
84-99 Community, social and personal services	..	..	..	..	..	40.5	39.5	73.0
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	1.2	1.8	4.4
86-88 Human health and social work activities	..	..	..	..	..	7.1	4.2	7.4
90-93 Arts, entertainment and recreation	..	..	..	..	..	10.0	10.0	10.2
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	22.3	23.5	51.0

.. Not available

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# FINLAND

## R&D expenditure in industry by product field, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	..	..	<b>4 562.9</b>	<b>4 616.5</b>	<b>4 173.2</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	<b>11.2</b>	<b>18.3</b>	<b>17.0</b>
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	<b>35.3</b>	<b>33.5</b>	<b>14.8</b>
<b>10-33 MANUFACTURING</b>	..	..	..	..	..	<b>3 729.6</b>	<b>3 697.0</b>	<b>3 162.3</b>
10-12 Food products, beverages and tobacco	..	..	..	..	..	62.8	58.4	65.6
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	..	11.5	11.6	7.6
13 Textiles	..	..	..	..	..	7.7	7.1	4.7
14 Wearing apparel	..	..	..	..	..	3.5	4.0	2.3
15 Leather and related products, footwear	..	..	..	..	..	0.2	0.5	0.6
16-18 Wood and paper products and printing	..	..	..	..	..	104.8	78.3	88.4
16 Wood and wood products, except furniture	..	..	..	..	..	7.7	6.4	5.8
17 Paper and paper products	..	..	..	..	..	94.9	67.3	76.9
18 Printing and reproduction of recorded media	..	..	..	..	..	2.2	4.6	4.8
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	..	..	351.8	355.6	327.9
19 Coke and refined petroleum products	..	..	..	..	..	38.8	39.3	39.6
20-21 Chemical and pharmaceutical products	..	..	..	..	..	264.5	267.7	239.9
20 Chemicals and chemical products	..	..	..	..	..	110.5	110.6	81.4
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	..	153.9	157.2	158.5
22 Rubber and plastic products	..	..	..	..	..	31.2	34.2	34.8
23 Other non-metallic mineral products	..	..	..	..	..	17.4	14.4	13.7
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	..	..	181.2	124.0	76.2
24 Basic metals	..	..	..	..	..	35.2	30.7	28.3
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	146.1	93.2	47.9
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	..	..	2 953.1	3 004.9	2 530.6
26 Computer, electronic and optical products	..	..	..	..	..	2 497.3	2 412.5	1 822.4
27 Electrical equipment	..	..	..	..	..	203.9	228.8	254.1
28 Machinery and equipment n.e.c.	..	..	..	..	..	202.5	286.3	369.8
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	14.2	15.4	4.8
30 Other transport equipment	..	..	..	..	..	35.1	61.9	79.5
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	..	64.5	64.3	66.0
31 Furniture	..	..	..	..	..	3.9	5.2	6.1
32 Other manufacturing	..	..	..	..	..	46.8	49.7	50.0
33 Repair and installation of machinery and equipment	..	..	..	..	..	13.8	9.3	9.9
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	..	..	<b>38.4</b>	<b>34.2</b>	<b>26.3</b>
35-36 Electricity, gas and water	..	..	..	..	..	32.7	24.7	22.3
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	5.7	9.5	4.0
<b>41-43 CONSTRUCTION</b>	..	..	..	..	..	<b>54.9</b>	<b>60.8</b>	<b>58.5</b>
<b>45-99 TOTAL SERVICES</b>	..	..	..	..	..	<b>693.4</b>	<b>772.7</b>	<b>894.3</b>
<b>45-82 Business sector services</b>	..	..	..	..	..	<b>658.8</b>	<b>739.9</b>	<b>835.5</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	..	<b>5.4</b>	<b>12.9</b>	<b>2.8</b>
<b>49-53 Transportation and storage</b>	..	..	..	..	..	<b>10.4</b>	<b>14.3</b>	<b>14.8</b>
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	<b>1.1</b>	<b>6.7</b>	<b>0.9</b>
<b>58-63 Information and communication</b>	..	..	..	..	..	<b>437.6</b>	<b>529.6</b>	<b>613.8</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	7.6	9.6	12.4
58 Publishing activities	..	..	..	..	..	5.9	7.5	10.6
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	1.7	2.1	1.8
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	0.6	0.9	0.9
60 Programming and broadcasting activities	..	..	..	..	..	1.1	1.2	0.9
61 Telecommunications	..	..	..	..	..	76.3	187.2	234.5
62-63 IT and other information services	..	..	..	..	..	353.7	332.8	367.0
62 Computer programming, consultancy and related activities	..	..	..	..	..	247.7	229.5	264.8
63 Information service activities	..	..	..	..	..	106.1	103.3	102.2
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	<b>61.8</b>	<b>61.8</b>	<b>74.8</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	..	<b>142.5</b>	<b>114.7</b>	<b>128.4</b>
68 Real estate activities	..	..	..	..	..	8.5	2.2	4.6
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	35.0	17.9	18.5
72 Scientific research and development	..	..	..	..	..	93.2	88.0	102.5
77-82 Administrative and support service activities	..	..	..	..	..	5.8	6.6	2.9
84-99 Community, social and personal services	..	..	..	..	..	34.7	32.8	58.9
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	1.0	1.5	3.5
86-88 Human health and social work activities	..	..	..	..	..	6.1	3.5	6.0
90-93 Arts, entertainment and recreation	..	..	..	..	..	8.5	8.3	8.2
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	19.1	19.5	41.2

.. Not available

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## FRANCE

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	<b>27 695.9</b>	<b>29 199.8</b>	<b>30 811.8</b>	<b>32 044.2</b>	<b>34 057.5</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	<b>134.3</b>	<b>117.1</b>	<b>147.4</b>	<b>158.7</b>	<b>178.1</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	<b>4.9</b>	<b>6.5</b>	<b>17.6</b>	<b>17.6</b>	<b>14.1</b>	..
<b>10-33 MANUFACTURING</b>	..	..	<b>16 244.2</b>	<b>16 883.8</b>	<b>16 421.9</b>	<b>16 136.0</b>	<b>16 939.2</b>	..
10-12 Food products, beverages and tobacco	..	..	280.0	336.7	368.6	441.6	394.9	..
13-15 Textiles, wearing apparel, leather and related products	..	..	161.5	214.8	158.5	164.6	134.2	..
13 Textiles	..	..	105.4	130.4	113.7	102.3	89.6	..
14 Wearing apparel	..	..	50.2	74.5	36.6	50.9	37.3	..
15 Leather and related products, footwear	..	..	5.9	9.9	8.2	11.4	7.2	..
16-18 Wood and paper products and printing	..	..	77.8	81.9	81.1	66.2	77.2	..
16 Wood and wood products, except furniture	..	..	17.7	16.3	19.9	17.7	17.0	..
17 Paper and paper products	..	..	35.0	42.1	28.2	31.7	48.4	..
18 Printing and reproduction of recorded media	..	..	25.1	23.5	33.0	16.8	11.8	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	3 584.5	3 549.4	3 322.4	3 332.8	3 148.6	..
19 Coke and refined petroleum products	..	..	102.6	100.8	106.8	126.4	127.3	..
20-21 Chemical and pharmaceutical products	..	..	2 487.0	2 480.0	2 198.0	2 233.4	1 971.8	..
20 Chemicals and chemical products	..	..	1 257.1	1 287.6	1 202.1	1 260.9	987.9	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	1 229.9	1 192.4	995.9	972.5	983.9	..
22 Rubber and plastic products	..	..	801.4	761.3	786.6	780.9	833.0	..
23 Other non-metallic mineral products	..	..	193.5	207.2	231.0	192.1	216.5	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	650.1	703.1	1 036.8	876.8	1 069.7	..
24 Basic metals	..	..	327.5	361.8	327.5	142.3	288.6	..
25 Fabricated metal products, except machinery and equipment	..	..	322.6	341.2	709.3	734.5	781.1	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	11 118.5	11 508.7	10 843.6	10 746.1	11 447.2	..
26 Computer, electronic and optical products	..	..	4 020.4	3 726.4	3 933.0	3 607.2	3 776.2	..
27 Electrical equipment	..	..	860.3	805.7	977.5	740.2	767.7	..
28 Machinery and equipment n.e.c.	..	..	849.6	909.2	1 087.0	1 112.7	1 178.5	..
29 Motor vehicles, trailers and semi-trailers	..	..	2 114.9	2 586.6	1 933.0	2 106.6	2 263.4	..
30 Other transport equipment	..	..	3 273.3	3 480.9	2 913.0	3 179.5	3 461.3	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	371.8	489.2	610.8	507.9	667.3	..
31 Furniture	..	..	9.7	6.8	22.2	21.3	20.7	..
32 Other manufacturing	..	..	231.7	253.9	254.2	260.5	328.5	..
33 Repair and installation of machinery and equipment	..	..	130.5	228.5	334.4	226.1	318.1	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	<b>438.3</b>	<b>456.5</b>	<b>555.2</b>	<b>585.8</b>	<b>641.3</b>	..
35-36 Electricity, gas and water	..	..	420.3	436.9	530.5	531.8	609.4	..
37-39 Sewerage, waste management and remediation activities	..	..	18.0	19.6	24.8	54.1	31.9	..
<b>41-43 CONSTRUCTION</b>	..	..	<b>91.4</b>	<b>100.0</b>	<b>185.1</b>	<b>193.0</b>	<b>153.1</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	<b>10 782.8</b>	<b>11 635.9</b>	<b>13 484.6</b>	<b>14 953.1</b>	<b>16 131.6</b>	..
<b>45-82 Business sector services</b>	..	..	<b>10 738.0</b>	<b>11 593.0</b>	<b>13 432.4</b>	<b>14 897.7</b>	<b>16 068.0</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	<b>726.0</b>	<b>683.5</b>	<b>1 174.0</b>	<b>1 424.2</b>	<b>1 754.4</b>	..
<b>49-53 Transportation and storage</b>	..	..	<b>49.7</b>	<b>53.7</b>	<b>85.7</b>	<b>41.2</b>	<b>57.4</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	<b>0.1</b>	<b>0.1</b>	<b>3.3</b>	<b>3.8</b>	<b>0.4</b>	..
<b>58-63 Information and communication</b>	..	..	<b>2 411.7</b>	<b>2 712.0</b>	<b>3 043.3</b>	<b>3 469.2</b>	<b>3 564.2</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	752.2	869.6	835.9	950.3	938.7	..
58 Publishing activities	..	..	704.6	831.5	790.5	836.8	870.1	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	47.6	38.1	45.4	113.5	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	41.7	99.5	58.7	..
60 Programming and broadcasting activities	..	..	..	..	3.7	14.0	..	..
61 Telecommunications	..	..	831.4	815.5	803.2	772.2	..	..
62-63 IT and other information services	..	..	828.2	1 026.8	1 404.2	1 746.7	1 919.7	..
62 Computer programming, consultancy and related activities	..	..	774.0	954.7	1 286.0	1 604.0	1 783.9	..
63 Information service activities	..	..	54.2	72.2	118.2	142.7	135.9	..
<b>64-66 Financial and insurance activities</b>	..	..	<b>125.3</b>	<b>178.3</b>	<b>189.0</b>	<b>258.2</b>	<b>310.1</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	<b>7 425.4</b>	<b>7 965.5</b>	<b>8 936.9</b>	<b>9 703.7</b>	<b>10 381.5</b>	..
68 Real estate activities	..	..	0.0	1.0	1.1	2.5	4.3	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	3 667.1	3 983.5	4 428.5	5 276.2	5 904.1	..
72 Scientific research and development	..	..	3 673.3	3 934.7	4 058.7	4 297.3	4 310.9	..
77-82 Administrative and support service activities	..	..	84.9	46.2	448.7	127.7	162.2	..
84-99 Community, social and personal services	..	..	44.7	42.9	52.2	55.4	63.6	..
84-85 Public administration and defence; compulsory social security and education	..	..	7.0	9.2	7.9	5.4	4.6	..
86-88 Human health and social work activities	..	..	4.4	2.6	5.8	12.0	16.9	..
90-93 Arts, entertainment and recreation	..	..	0.2	4.1	2.3	1.4	4.1	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	33.1	27.0	36.2	36.5	38.1	..

.. Not available

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## FRANCE

## R&amp;D expenditure in industry by main activity of the enterprise, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	<b>25 584.2</b>	<b>25 966.5</b>	<b>26 447.1</b>	<b>27 215.1</b>	<b>28 152.4</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	<b>124.0</b>	<b>104.1</b>	<b>126.5</b>	<b>134.8</b>	<b>147.2</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	<b>4.6</b>	<b>5.7</b>	<b>15.1</b>	<b>14.9</b>	<b>11.7</b>	..
<b>10-33 MANUFACTURING</b>	..	..	<b>15 005.6</b>	<b>15 014.2</b>	<b>14 095.6</b>	<b>13 704.3</b>	<b>14 002.2</b>	..
10-12 Food products, beverages and tobacco	..	..	258.6	299.5	316.4	375.1	326.4	..
13-15 Textiles, wearing apparel, leather and related products	..	..	149.2	191.0	136.0	139.8	110.9	..
13 Textiles	..	..	97.3	115.9	97.6	86.8	74.1	..
14 Wearing apparel	..	..	46.4	66.3	31.4	43.2	30.9	..
15 Leather and related products, footwear	..	..	5.5	8.8	7.0	9.7	6.0	..
16-18 Wood and paper products and printing	..	..	71.9	72.8	69.6	56.2	63.8	..
16 Wood and wood products, except furniture	..	..	16.4	14.5	17.1	15.1	14.1	..
17 Paper and paper products	..	..	32.4	37.4	24.2	26.9	40.0	..
18 Printing and reproduction of recorded media	..	..	23.2	20.9	28.3	14.3	9.8	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	3 311.2	3 156.3	2 851.7	2 830.6	2 602.7	..
19 Coke and refined petroleum products	..	..	94.8	89.6	91.7	107.4	105.3	..
20-21 Chemical and pharmaceutical products	..	..	2 297.4	2 205.4	1 886.6	1 896.8	1 629.9	..
20 Chemicals and chemical products	..	..	1 161.2	1 145.0	1 031.8	1 070.9	816.6	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	1 136.1	1 060.4	854.8	825.9	813.3	..
22 Rubber and plastic products	..	..	740.3	677.0	675.2	663.2	688.5	..
23 Other non-metallic mineral products	..	..	178.7	184.3	198.3	163.2	179.0	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	600.5	625.2	890.0	744.7	884.2	..
24 Basic metals	..	..	302.5	321.8	281.1	120.9	238.6	..
25 Fabricated metal products, except machinery and equipment	..	..	298.0	303.4	608.8	623.8	645.7	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	10 270.8	10 234.4	9 307.5	9 126.6	9 462.4	..
26 Computer, electronic and optical products	..	..	3 713.8	3 313.8	3 375.9	3 063.5	3 121.5	..
27 Electrical equipment	..	..	794.7	716.4	839.1	628.6	634.6	..
28 Machinery and equipment n.e.c.	..	..	784.8	808.5	933.0	945.0	974.1	..
29 Motor vehicles, trailers and semi-trailers	..	..	1 953.7	2 300.2	1 659.2	1 789.1	1 871.0	..
30 Other transport equipment	..	..	3 023.7	3 095.4	2 500.4	2 700.3	2 861.2	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	343.5	435.0	524.3	431.4	551.6	..
31 Furniture	..	..	9.0	6.1	19.1	18.1	17.1	..
32 Other manufacturing	..	..	214.0	225.8	218.2	221.2	271.5	..
33 Repair and installation of machinery and equipment	..	..	120.5	203.2	287.0	192.0	263.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	<b>404.9</b>	<b>406.0</b>	<b>476.6</b>	<b>497.6</b>	<b>530.1</b>	..
35-36 Electricity, gas and water	..	..	388.3	388.5	455.3	451.6	503.8	..
37-39 Sewerage, waste management and remediation activities	..	..	16.6	17.4	21.2	45.9	26.3	..
<b>41-43 CONSTRUCTION</b>	..	..	<b>84.4</b>	<b>88.9</b>	<b>158.9</b>	<b>163.9</b>	<b>126.5</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	<b>9 960.6</b>	<b>10 347.5</b>	<b>11 574.4</b>	<b>12 699.6</b>	<b>13 334.7</b>	..
<b>45-82 Business sector services</b>	..	..	<b>9 919.3</b>	<b>10 309.3</b>	<b>11 529.6</b>	<b>12 652.5</b>	<b>13 282.1</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	<b>670.6</b>	<b>607.8</b>	<b>1 007.7</b>	<b>1 209.5</b>	<b>1 450.2</b>	..
<b>49-53 Transportation and storage</b>	..	..	<b>45.9</b>	<b>47.7</b>	<b>73.6</b>	<b>35.0</b>	<b>47.5</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	<b>0.1</b>	<b>0.1</b>	<b>2.8</b>	<b>3.2</b>	<b>0.4</b>	..
<b>58-63 Information and communication</b>	..	..	<b>2 227.8</b>	<b>2 411.7</b>	<b>2 612.2</b>	<b>2 946.3</b>	<b>2 946.3</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	694.8	773.3	717.5	807.1	776.0	..
58 Publishing activities	..	..	650.9	739.4	678.5	710.7	719.2	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	43.9	33.9	39.0	96.4	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	35.8	84.5	48.5	..
60 Programming and broadcasting activities	..	..	..	..	3.2	11.9	..	..
61 Telecommunications	..	..	768.0	725.2	689.4	655.8	..	..
62-63 IT and other information services	..	..	765.0	913.1	1 205.3	1 483.5	1 586.9	..
62 Computer programming, consultancy and related activities	..	..	715.0	849.0	1 103.9	1 362.3	1 474.6	..
63 Information service activities	..	..	50.1	64.2	101.4	121.2	112.3	..
<b>64-66 Financial and insurance activities</b>	..	..	<b>115.7</b>	<b>158.5</b>	<b>162.3</b>	<b>219.3</b>	<b>256.3</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	<b>6 859.2</b>	<b>7 083.5</b>	<b>7 671.0</b>	<b>8 241.3</b>	<b>8 581.5</b>	..
68 Real estate activities	..	..	0.0	0.9	0.9	2.1	3.5	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	3 387.5	3 542.4	3 801.2	4 481.0	4 880.4	..
72 Scientific research and development	..	..	3 393.2	3 499.0	3 483.7	3 649.7	3 563.5	..
77-82 Administrative and support service activities	..	..	78.4	41.0	385.1	108.4	134.1	..
84-99 Community, social and personal services	..	..	41.3	38.2	44.8	47.1	52.6	..
84-85 Public administration and defence; compulsory social security and education	..	..	6.5	8.2	6.8	4.6	3.8	..
86-88 Human health and social work activities	..	..	4.1	2.3	5.0	10.2	14.0	..
90-93 Arts, entertainment and recreation	..	..	0.2	3.6	2.0	1.2	3.4	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	30.6	24.0	31.1	31.0	31.5	..

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## FRANCE

## R&amp;D expenditure in industry by product field, current prices

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>24 371.6</b>	<b>26 515.0</b>	<b>27 695.9</b>	<b>29 199.8</b>	<b>30 811.8</b>	<b>32 044.2</b>	<b>34 057.5</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>349.7</b>	<b>369.1</b>	<b>390.9</b>	<b>416.7</b>	<b>461.7</b>	<b>475.0</b>	<b>495.1</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>150.8</b>	<b>173.3</b>	<b>194.6</b>	<b>190.8</b>	<b>267.6</b>	<b>269.4</b>	<b>280.2</b>	..
<b>10-33 MANUFACTURING</b>	<b>20 942.7</b>	<b>22 735.2</b>	<b>23 055.4</b>	<b>23 877.9</b>	<b>24 422.4</b>	<b>24 556.5</b>	<b>26 040.7</b>	..
10-12 Food products, beverages and tobacco	508.5	622.2	594.3	628.8	669.5	723.3	719.1	..
13-15 Textiles, wearing apparel, leather and related products	123.4	237.8	188.8	200.2	163.6	193.5	166.0	..
13 Textiles	97.7	177.3	130.5	106.3	92.0	103.4	92.7	..
14 Wearing apparel	23.4	45.1	50.1	78.7	58.0	74.4	66.3	..
15 Leather and related products, footwear	2.4	15.4	8.3	15.1	13.6	15.8	6.9	..
16-18 Wood and paper products and printing	64.1	99.4	108.1	102.3	96.4	91.9	115.9	..
16 Wood and wood products, except furniture	11.7	18.1	31.7	25.7	35.0	32.4	34.2	..
17 Paper and paper products	45.8	65.6	58.2	67.7	53.4	53.5	73.5	..
18 Printing and reproduction of recorded media	6.5	15.7	18.2	9.0	7.9	6.0	8.2	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	5 984.5	6 633.9	6 865.0	6 952.9	7 047.9	6 928.5	7 037.4	..
19 Coke and refined petroleum products	243.4	231.5	244.4	232.9	251.0	259.8	254.9	..
20-21 Chemical and pharmaceutical products	4 778.5	5 245.9	5 527.2	5 594.3	5 646.2	5 506.7	5 528.3	..
20 Chemicals and chemical products	1 468.2	1 586.9	1 618.7	1 637.9	1 692.3	1 746.2	1 823.1	..
21 Pharmaceuticals, medicinal, chemical and botanical products	3 310.3	3 659.0	3 908.5	3 956.4	3 953.8	3 760.5	3 705.3	..
22 Rubber and plastic products	676.0	817.5	775.5	782.8	772.3	811.3	888.3	..
23 Other non-metallic mineral products	286.6	338.9	317.9	342.9	378.4	350.7	365.8	..
24-25 Basic metals, metal products, except machinery and equipment	839.5	998.3	995.3	1 051.0	1 096.1	1 211.1	1 287.2	..
24 Basic metals	376.9	408.0	401.8	449.9	415.5	466.2	499.6	..
25 Fabricated metal products, except machinery and equipment	462.6	590.3	593.5	601.0	680.7	744.9	787.6	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	13 137.3	13 752.5	13 966.8	14 594.0	14 917.5	14 965.8	16 191.0	..
26 Computer, electronic and optical products	4 097.4	4 556.4	4 517.6	4 333.4	4 605.2	4 538.6	4 513.2	..
27 Electrical equipment	656.3	803.6	908.6	852.8	1 013.1	1 031.5	1 142.7	..
28 Machinery and equipment n.e.c.	893.2	1 028.4	947.9	1 047.0	1 068.3	1 107.2	1 213.5	..
29 Motor vehicles, trailers and semi-trailers	4 392.4	4 447.8	4 427.6	4 943.0	4 989.3	4 923.4	5 571.8	..
30 Other transport equipment	3 098.0	2 916.3	3 165.2	3 417.8	3 241.6	3 365.0	3 749.7	..
31-33 Furniture; repair, installation of machinery and equipment	285.3	391.1	337.1	348.6	431.5	442.5	524.2	..
31 Furniture	..	..	..	..	..	19.7	28.2	..
32 Other manufacturing	..	..	325.9	335.3	363.6	422.8	496.0	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	0.0	0.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>483.2</b>	<b>511.9</b>	<b>532.4</b>	<b>536.8</b>	<b>622.3</b>	<b>611.2</b>	<b>694.7</b>	..
35-36 Electricity, gas and water	..	..	457.1	479.1	557.7	572.8	650.1	..
37-39 Sewerage, waste management and remediation activities	..	..	75.3	57.7	64.5	38.4	44.6	..
<b>41-43 CONSTRUCTION</b>	<b>87.2</b>	<b>106.8</b>	<b>109.7</b>	<b>90.3</b>	<b>109.3</b>	<b>103.1</b>	<b>130.2</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>2 358.0</b>	<b>2 618.7</b>	<b>3 412.8</b>	<b>4 087.3</b>	<b>4 928.6</b>	<b>6 028.9</b>	<b>6 416.4</b>	..
<b>45-82 Business sector services</b>	<b>2 351.3</b>	<b>2 609.9</b>	<b>3 395.2</b>	<b>4 059.6</b>	<b>4 906.7</b>	<b>6 002.6</b>	<b>6 380.1</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>49-53 Transportation and storage</b>	..	..	<b>39.6</b>	<b>35.4</b>	<b>49.8</b>	<b>52.4</b>	<b>72.9</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	..	..	<b>2 356.8</b>	<b>3 037.0</b>	<b>3 497.0</b>	<b>4 067.8</b>	<b>4 210.2</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	488.2	702.1	867.0	1 052.4	1 060.6	..
58 Publishing activities	..	..	456.6	643.3	780.5	895.2	953.7	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	31.6	58.8	86.6	157.2	106.9	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	36.7	35.5	94.2	53.7	..
60 Programming and broadcasting activities	..	..	..	22.1	51.0	62.9	53.2	..
61 Telecommunications	842.2	881.9	898.2	963.2	933.6	941.4	956.2	..
62-63 IT and other information services	..	..	970.5	1 371.8	1 696.4	2 074.1	2 193.4	..
62 Computer programming, consultancy and related activities	..	..	930.0	1 337.8	1 578.4	1 919.6	2 002.0	..
63 Information service activities	..	..	40.5	34.0	118.0	154.5	191.4	..
<b>64-66 Financial and insurance activities</b>	..	..	<b>74.6</b>	<b>156.2</b>	<b>196.4</b>	<b>201.3</b>	<b>234.5</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	<b>923.9</b>	<b>830.9</b>	<b>1 163.5</b>	<b>1 681.1</b>	<b>1 862.4</b>	..
68 Real estate activities	..	..	0.0	0.0	0.0	0.0	0.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	793.0	578.4	790.8	1 157.7	1 244.0	..
72 Scientific research and development	..	27.6	68.0	184.2	299.7	405.0	498.7	..
77-82 Administrative and support service activities	..	..	62.9	68.3	73.0	118.4	119.7	..
84-99 Community, social and personal services	6.7	8.8	17.6	27.7	21.9	26.3	36.3	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	2.1	3.8	1.2	3.9	..
86-88 Human health and social work activities	..	..	9.6	21.8	15.5	20.6	23.1	..
90-93 Arts, entertainment and recreation	..	..	..	3.8	0.8	1.2	2.5	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	0.0	..	1.9	3.2	6.8	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.Information on data for Israel: <http://oe.cd/israel-disclaimer>.Disclaimer: <http://oe.cd/disclaimer>

## FRANCE

## R&amp;D expenditure in industry by product field, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>24 371.6</b>	<b>25 353.2</b>	<b>25 584.2</b>	<b>25 966.5</b>	<b>26 447.1</b>	<b>27 215.1</b>	<b>28 152.4</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>349.7</b>	<b>352.9</b>	<b>361.1</b>	<b>370.6</b>	<b>396.3</b>	<b>403.4</b>	<b>409.3</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>150.8</b>	<b>165.7</b>	<b>179.8</b>	<b>169.7</b>	<b>229.7</b>	<b>228.8</b>	<b>231.7</b>	..
<b>10-33 MANUFACTURING</b>	<b>20 942.7</b>	<b>21 739.0</b>	<b>21 297.5</b>	<b>21 233.8</b>	<b>20 962.8</b>	<b>20 855.8</b>	<b>21 525.7</b>	..
10-12 Food products, beverages and tobacco	508.5	594.9	549.0	559.2	574.7	614.3	594.4	..
13-15 Textiles, wearing apparel, leather and related products	123.4	227.3	174.4	178.0	140.4	164.4	137.2	..
13 Textiles	97.7	169.5	120.5	94.6	79.0	87.8	76.6	..
14 Wearing apparel	23.4	43.1	46.3	70.0	49.8	63.2	54.8	..
15 Leather and related products, footwear	2.4	14.7	7.7	13.4	11.7	13.4	5.7	..
16-18 Wood and paper products and printing	64.1	95.0	99.9	91.0	82.7	78.1	95.8	..
16 Wood and wood products, except furniture	11.7	17.3	29.3	22.8	30.1	27.5	28.3	..
17 Paper and paper products	45.8	62.7	53.8	60.2	45.9	45.4	60.8	..
18 Printing and reproduction of recorded media	6.5	15.0	16.8	8.0	6.8	5.1	6.7	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	5 984.5	6 343.2	6 341.6	6 183.0	6 049.5	5 884.4	5 817.2	..
19 Coke and refined petroleum products	243.4	221.4	225.8	207.1	215.4	220.7	210.7	..
20-21 Chemical and pharmaceutical products	4 778.5	5 016.1	5 105.8	4 974.8	4 846.4	4 676.8	4 569.8	..
20 Chemicals and chemical products	1 468.2	1 517.4	1 495.3	1 456.5	1 452.6	1 483.0	1 507.0	..
21 Pharmaceuticals, medicinal, chemical and botanical products	3 310.3	3 498.7	3 610.5	3 518.3	3 393.8	3 193.8	3 062.9	..
22 Rubber and plastic products	676.0	781.7	716.4	696.2	662.9	689.1	734.3	..
23 Other non-metallic mineral products	286.6	324.1	293.6	304.9	324.8	297.8	302.4	..
24-25 Basic metals, metal products, except machinery and equipment	839.5	954.6	919.4	934.6	940.9	1 028.6	1 064.0	..
24 Basic metals	376.9	390.2	371.2	400.1	356.6	395.9	413.0	..
25 Fabricated metal products, except machinery and equipment	462.6	564.4	548.2	534.5	584.2	632.6	651.1	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	13 137.3	13 150.0	12 901.9	12 978.0	12 804.3	12 710.4	13 383.7	..
26 Computer, electronic and optical products	4 097.4	4 356.8	4 173.1	3 853.6	3 952.8	3 854.6	3 730.7	..
27 Electrical equipment	656.3	768.4	839.3	758.4	869.5	876.1	944.6	..
28 Machinery and equipment n.e.c.	893.2	983.4	875.6	931.1	916.9	940.4	1 003.1	..
29 Motor vehicles, trailers and semi-trailers	4 392.4	4 252.9	4 090.0	4 395.6	4 282.5	4 181.5	4 605.7	..
30 Other transport equipment	3 098.0	2 788.5	2 923.9	3 039.3	2 782.4	2 857.9	3 099.6	..
31-33 Furniture; repair, installation of machinery and equipment	285.3	374.0	311.4	310.0	370.3	375.8	433.3	..
31 Furniture	..	..	..	..	..	16.7	23.3	..
32 Other manufacturing	..	..	301.1	298.2	312.1	359.0	410.0	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	0.0	0.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>483.2</b>	<b>489.5</b>	<b>491.8</b>	<b>477.4</b>	<b>534.1</b>	<b>519.1</b>	<b>574.3</b>	..
35-36 Electricity, gas and water	..	..	422.3	426.1	478.7	486.4	537.4	..
37-39 Sewerage, waste management and remediation activities	..	..	69.6	51.3	55.4	32.6	36.9	..
<b>41-43 CONSTRUCTION</b>	<b>87.2</b>	<b>102.1</b>	<b>101.3</b>	<b>80.3</b>	<b>93.8</b>	<b>87.6</b>	<b>107.7</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>2 358.0</b>	<b>2 503.9</b>	<b>3 152.6</b>	<b>3 634.7</b>	<b>4 230.4</b>	<b>5 120.4</b>	<b>5 303.9</b>	..
<b>45-82 Business sector services</b>	<b>2 351.3</b>	<b>2 495.5</b>	<b>3 136.4</b>	<b>3 610.1</b>	<b>4 211.6</b>	<b>5 098.0</b>	<b>5 273.9</b>	..
45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs	..	..	0.0	0.0	0.0	0.0	0.0	..
49-53 Transportation and storage	..	..	36.6	31.5	42.7	44.5	60.3	..
55-56 Accommodation and food service activities	..	..	0.0	0.0	0.0	0.0	0.0	..
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>2 177.1</b>	<b>2 700.7</b>	<b>3 001.6</b>	<b>3 454.8</b>	<b>3 480.2</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	450.9	624.3	744.2	893.8	876.7	..
58 Publishing activities	..	..	421.8	572.0	669.9	760.3	788.3	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	29.2	52.3	74.3	133.5	88.4	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	32.7	30.5	80.0	44.4	..
60 Programming and broadcasting activities	..	..	..	19.6	43.8	53.4	44.0	..
61 Telecommunications	842.2	843.2	829.7	856.5	801.3	799.5	790.4	..
62-63 IT and other information services	..	..	896.5	1 219.9	1 456.1	1 761.5	1 813.1	..
62 Computer programming, consultancy and related activities	..	..	859.1	1 189.6	1 354.8	1 630.3	1 654.9	..
63 Information service activities	..	..	37.4	30.3	101.3	131.2	158.2	..
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>68.9</b>	<b>138.9</b>	<b>168.6</b>	<b>171.0</b>	<b>193.9</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>..</b>	<b>..</b>	<b>853.4</b>	<b>738.9</b>	<b>998.7</b>	<b>1 427.8</b>	<b>1 539.5</b>	..
68 Real estate activities	..	..	0.0	0.0	0.0	0.0	0.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	732.6	514.4	678.8	983.2	1 028.3	..
72 Scientific research and development	..	26.4	62.8	163.8	257.2	344.0	412.2	..
77-82 Administrative and support service activities	..	..	58.1	60.7	62.7	100.6	99.0	..
84-99 Community, social and personal services	6.7	8.4	16.2	24.6	18.8	22.4	30.0	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	1.9	3.3	1.1	3.2	..
86-88 Human health and social work activities	..	..	8.8	19.3	13.3	17.5	19.1	..
90-93 Arts, entertainment and recreation	..	..	..	3.3	0.7	1.0	2.1	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	0.0	..	1.6	2.7	5.7	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.Information on data for Israel: <http://oe.cd/israel-disclaimer>.Disclaimer: <http://oe.cd/disclaimer>

# GERMANY

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>44 586.6</b>	<b>49 186.9</b>	<b>51 765.6</b>	<b>56 764.6</b>	<b>56 164.8</b>	<b>58 927.7</b>	<b>65 602.4</b>	<b>69 279.0</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>92.0</b>	<b>97.3</b>	<b>113.3</b>	<b>122.0</b>	<b>162.8</b>	<b>178.7</b>	<b>162.0</b>	<b>178.1</b>
<b>05-09 MINING AND QUARRYING</b>	<b>32.4</b>	<b>34.9</b>	<b>33.6</b>	<b>34.6</b>	<b>16.7</b>	<b>15.4</b>	<b>12.8</b>	<b>13.8</b>
<b>10-33 MANUFACTURING</b>	<b>39 610.9</b>	<b>44 045.7</b>	<b>45 631.1</b>	<b>50 240.2</b>	<b>48 022.5</b>	<b>50 529.3</b>	<b>56 170.2</b>	<b>59 675.0</b>
10-12 Food products, beverages and tobacco	329.4	336.7	381.8	338.6	394.5	412.6	395.6	405.6
13-15 Textiles, wearing apparel, leather and related products	164.7	173.0	159.7	165.3	156.7	155.7	153.1	157.5
13 Textiles	118.2	123.7	113.8	117.7	87.7	85.4	79.8	82.9
14 Wearing apparel	36.3	40.5	39.5	40.9	62.0	63.3	66.3	67.2
15 Leather and related products, footwear	10.2	8.9	6.5	6.8	6.9	7.2	7.1	7.3
16-18 Wood and paper products and printing	134.6	147.8	217.4	223.6	218.5	261.2	234.7	221.4
16 Wood and wood products, except furniture	16.4	17.3	24.4	25.0	24.9	28.8	29.0	25.5
17 Paper and paper products	60.1	57.9	73.1	75.4	79.4	92.9	78.7	74.8
18 Printing and reproduction of recorded media	58.2	72.6	119.8	123.2	114.1	139.5	126.9	121.1
19-23 Chemical, rubber, plastic, non-metallic mineral products	8 524.3	9 677.0	9 214.9	9 708.1	10 323.0	10 131.3	11 155.5	11 495.5
19 Coke and refined petroleum products	60.4	74.7	105.6	108.4	115.4	111.9	121.1	123.6
20-21 Chemical and pharmaceutical products	7 348.5	8 458.4	7 764.2	8 181.1	8 800.0	8 614.9	9 461.2	9 772.7
20 Chemicals and chemical products	3 430.8	4 088.3	3 780.6	3 974.5	3 967.0	3 922.7	4 234.2	4 502.4
21 Pharmaceuticals, medicinal, chemical and botanical products	3 917.7	4 370.0	3 983.6	4 206.6	4 833.1	4 692.2	5 227.0	5 270.3
22 Rubber and plastic products	835.4	842.6	1 044.1	1 090.7	1 050.8	1 046.2	1 211.7	1 231.3
23 Other non-metallic mineral products	280.1	301.4	301.0	327.9	356.8	358.2	361.4	367.8
24-25 Basic metals, metal products, except machinery and equipment	1 088.4	1 169.1	1 300.0	1 404.4	1 496.7	1 513.7	1 595.3	1 667.4
24 Basic metals	413.1	438.1	450.4	490.5	613.9	619.0	663.0	697.7
25 Fabricated metal products, except machinery and equipment	675.3	731.0	849.6	913.9	882.8	894.7	932.3	969.7
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	28 537.8	31 632.3	33 269.4	37 279.6	34 144.7	36 744.2	41 076.9	44 241.5
26 Computer, electronic and optical products	6 652.5	7 522.1	7 312.8	7 977.2	7 214.2	7 527.5	8 429.9	9 520.3
27 Electrical equipment	1 389.2	1 567.4	1 690.6	1 842.5	1 654.1	1 688.5	2 057.2	2 231.1
28 Machinery and equipment n.e.c.	4 432.9	4 735.6	5 309.0	5 754.7	5 580.5	5 772.5	6 296.7	6 674.9
29 Motor vehicles, trailers and semi-trailers	13 475.2	15 051.6	16 447.6	18 830.5	17 144.9	18 598.7	20 951.3	22 359.9
30 Other transport equipment	2 588.0	2 755.6	2 509.5	2 874.9	2 551.0	3 157.0	3 341.8	3 455.4
31-33 Furniture; repair, installation of machinery and equipment	831.7	909.8	1 087.9	1 120.6	1 288.4	1 310.5	1 559.2	1 486.2
31 Furniture	..	..	149.2	120.4	63.4	65.8	53.6	51.4
32 Other manufacturing	..	..	452.5	471.0	542.5	553.5	706.4	676.6
33 Repair and installation of machinery and equipment	..	..	486.2	529.2	682.5	691.3	799.3	758.2
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>107.9</b>	<b>112.0</b>	<b>149.4</b>	<b>158.3</b>	<b>268.4</b>	<b>246.6</b>	<b>253.5</b>	<b>239.7</b>
35-36 Electricity, gas and water	..	..	141.7	150.9	259.3	238.0	238.5	227.5
37-39 Sewerage, waste management and remediation activities	..	..	7.7	7.4	9.2	8.7	15.0	12.2
<b>41-43 CONSTRUCTION</b>	<b>29.5</b>	<b>32.0</b>	<b>69.5</b>	<b>68.5</b>	<b>85.6</b>	<b>96.1</b>	<b>84.5</b>	<b>90.9</b>
<b>45-99 TOTAL SERVICES</b>	<b>4 713.9</b>	<b>4 864.9</b>	<b>5 768.6</b>	<b>6 140.9</b>	<b>7 608.8</b>	<b>7 861.5</b>	<b>8 919.4</b>	<b>9 081.5</b>
<b>45-82 Business sector services</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>6 140.3</b>	<b>7 587.2</b>	<b>7 841.3</b>	<b>8 888.0</b>	<b>9 049.7</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>75.7</b>	<b>119.7</b>	<b>191.1</b>	<b>203.3</b>	<b>252.8</b>	<b>281.4</b>	<b>336.0</b>	<b>365.3</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>74.2</b>	<b>75.9</b>	<b>71.7</b>	<b>79.7</b>	<b>139.5</b>	<b>158.2</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>2 221.0</b>	<b>2 360.7</b>	<b>3 181.2</b>	<b>3 329.7</b>	<b>3 839.8</b>	<b>4 089.6</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	22.4	23.2	47.4	47.3	54.2	54.1
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	230.5	235.9	706.7	756.8	733.3	799.9
62-63 IT and other information services	1 933.9	1 826.7	1 968.2	2 101.6	2 427.1	2 525.5	3 052.3	3 234.2
62 Computer programming, consultancy and related activities	..	..	1 890.4	2 017.5	2 358.6	2 458.0	2 931.3	3 108.0
63 Information service activities	..	..	77.8	84.1	68.5	67.6	121.0	126.2
<b>64-66 Financial and insurance activities</b>	<b>224.1</b>	<b>221.9</b>	<b>252.0</b>	<b>271.1</b>	<b>415.1</b>	<b>291.9</b>	<b>335.1</b>	<b>341.6</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>2 188.4</b>	<b>2 408.3</b>	<b>3 030.1</b>	<b>3 229.0</b>	<b>3 666.0</b>	<b>3 857.8</b>	<b>4 237.2</b>	<b>4 094.5</b>
68 Real estate activities	..	..	0.0	0.0	0.7	0.6	1.0	1.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	1 085.0	1 155.1	1 643.4	1 717.4	1 992.8	1 863.1
72 Scientific research and development	1 571.9	1 527.3	1 699.9	1 814.9	1 979.8	2 093.5	2 197.1	2 180.6
77-82 Administrative and support service activities	..	..	245.2	259.0	42.1	46.3	46.2	49.7
84-99 Community, social and personal services	..	..	..	0.6	21.6	20.2	31.3	31.8
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	..	2.8	2.8
86-88 Human health and social work activities	..	..	..	..	..	..	4.6	4.8
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	1.7	1.7
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	..	22.2	22.5

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# GERMANY

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>44 586.6</b>	<b>47 319.4</b>	<b>48 694.4</b>	<b>51 732.8</b>	<b>50 243.9</b>	<b>51 546.4</b>	<b>55 420.6</b>	<b>57 520.9</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>92.0</b>	<b>93.6</b>	<b>106.6</b>	<b>111.2</b>	<b>145.6</b>	<b>156.3</b>	<b>136.8</b>	<b>147.9</b>
<b>05-09 MINING AND QUARRYING</b>	<b>32.4</b>	<b>33.6</b>	<b>31.6</b>	<b>31.6</b>	<b>15.0</b>	<b>13.5</b>	<b>10.9</b>	<b>11.4</b>
<b>10-33 MANUFACTURING</b>	<b>39 610.9</b>	<b>42 373.4</b>	<b>42 923.9</b>	<b>45 786.8</b>	<b>42 959.9</b>	<b>44 200.0</b>	<b>47 452.3</b>	<b>49 546.9</b>
10-12 Food products, beverages and tobacco	329.4	323.9	359.1	308.6	352.9	360.9	334.2	336.7
13-15 Textiles, wearing apparel, leather and related products	164.7	166.5	150.3	150.7	140.2	136.2	129.3	130.8
13 Textiles	118.2	119.0	107.0	107.2	78.5	74.7	67.4	68.9
14 Wearing apparel	36.3	38.9	37.1	37.3	55.5	55.4	56.0	55.8
15 Leather and related products, footwear	10.2	8.5	6.1	6.2	6.2	6.3	6.0	6.1
16-18 Wood and paper products and printing	134.6	142.1	204.5	203.8	195.4	228.5	198.2	183.8
16 Wood and wood products, except furniture	16.4	16.6	23.0	22.8	22.3	25.2	24.5	21.2
17 Paper and paper products	60.1	55.7	68.8	68.7	71.0	81.3	66.5	62.1
18 Printing and reproduction of recorded media	58.2	69.8	112.7	112.3	102.1	122.0	107.2	100.5
19-23 Chemical, rubber, plastic, non-metallic mineral products	8 524.3	9 309.6	8 668.2	8 847.6	9 234.8	8 862.3	9 424.1	9 544.4
19 Coke and refined petroleum products	60.4	71.8	99.3	98.8	103.2	97.9	102.3	102.7
20-21 Chemicals and pharmaceutical products	7 348.5	8 137.2	7 303.6	7 455.9	7 872.3	7 535.8	7 992.8	8 114.1
20 Chemicals and chemical products	3 430.8	3 933.1	3 556.3	3 622.2	3 548.8	3 431.4	3 577.0	3 738.3
21 Pharmaceuticals, medicinal, chemical and botanical products	3 917.7	4 204.1	3 747.3	3 833.7	4 323.6	4 104.5	4 415.8	4 375.8
22 Rubber and plastic products	835.4	810.6	982.2	994.1	940.1	915.2	1 023.6	1 022.3
23 Other non-metallic mineral products	280.1	289.9	283.1	298.8	319.2	313.4	305.3	305.4
24-25 Basic metals, metal products, except machinery and equipment	1 088.4	1 124.7	1 222.8	1 279.9	1 338.9	1 324.1	1 347.7	1 384.4
24 Basic metals	413.1	421.5	423.6	447.0	549.2	541.5	560.1	579.3
25 Fabricated metal products, except machinery and equipment	675.3	703.3	799.2	832.9	789.7	782.6	787.6	805.1
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	28 537.8	30 431.3	31 295.6	33 975.0	30 545.2	32 141.7	34 701.5	36 732.8
26 Computer, electronic and optical products	6 652.5	7 236.5	6 878.9	7 270.1	6 453.6	6 584.6	7 121.5	7 904.5
27 Electrical equipment	1 389.2	1 507.9	1 590.3	1 679.2	1 479.7	1 477.0	1 737.9	1 852.4
28 Machinery and equipment n.e.c.	4 432.9	4 555.8	4 994.0	5 244.6	4 992.2	5 049.4	5 319.4	5 542.1
29 Motor vehicles, trailers and semi-trailers	13 475.2	14 480.1	15 471.8	17 161.3	15 337.5	16 269.0	17 699.5	18 564.9
30 Other transport equipment	2 588.0	2 650.9	2 360.6	2 620.0	2 282.1	2 761.6	2 823.2	2 869.0
31-33 Furniture; repair, installation of machinery and equipment	831.7	875.3	1 023.4	1 021.2	1 152.6	1 146.4	1 317.2	1 233.9
31 Furniture	..	..	140.3	109.7	56.7	57.6	45.2	42.7
32 Other manufacturing	..	..	425.7	429.3	485.3	484.2	596.8	561.7
33 Repair and installation of machinery and equipment	..	..	457.4	482.3	610.6	604.7	675.2	629.5
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>107.9</b>	<b>107.8</b>	<b>140.5</b>	<b>144.3</b>	<b>240.1</b>	<b>215.7</b>	<b>214.2</b>	<b>199.0</b>
35-36 Electricity, gas and water	..	..	133.3	137.5	231.9	208.1	201.5	188.8
37-39 Sewerage, waste management and remediation activities	..	..	7.2	6.7	8.2	7.6	12.7	10.2
<b>41-43 CONSTRUCTION</b>	<b>29.5</b>	<b>30.8</b>	<b>65.4</b>	<b>62.4</b>	<b>76.6</b>	<b>84.0</b>	<b>71.4</b>	<b>75.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>4 713.9</b>	<b>4 680.2</b>	<b>5 426.4</b>	<b>5 596.6</b>	<b>6 806.6</b>	<b>6 876.8</b>	<b>7 535.0</b>	<b>7 540.2</b>
<b>45-82 Business sector services</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>5 596.0</b>	<b>6 787.3</b>	<b>6 859.1</b>	<b>7 508.6</b>	<b>7 513.7</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>75.7</b>	<b>115.2</b>	<b>179.8</b>	<b>185.3</b>	<b>226.2</b>	<b>246.1</b>	<b>283.8</b>	<b>303.3</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>69.8</b>	<b>69.2</b>	<b>64.1</b>	<b>69.7</b>	<b>117.8</b>	<b>131.3</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>2 089.3</b>	<b>2 151.5</b>	<b>2 845.8</b>	<b>2 912.6</b>	<b>3 243.8</b>	<b>3 395.5</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	21.0	21.1	42.4	41.4	45.8	44.9
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	216.8	215.0	632.2	662.0	619.4	664.2
62-63 IT and other information services	1 933.9	1 757.3	1 851.4	1 915.3	2 171.2	2 209.2	2 578.6	2 685.3
62 Computer programming, consultancy and related activities	..	..	1 778.2	1 838.7	2 110.0	2 150.1	2 476.4	2 580.5
63 Information service activities	..	..	73.2	76.7	61.3	59.1	102.2	104.8
<b>64-66 Financial and insurance activities</b>	<b>224.1</b>	<b>213.5</b>	<b>237.1</b>	<b>247.0</b>	<b>371.3</b>	<b>255.4</b>	<b>283.1</b>	<b>283.6</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>2 188.4</b>	<b>2 316.8</b>	<b>2 850.3</b>	<b>2 942.8</b>	<b>3 279.5</b>	<b>3 374.6</b>	<b>3 579.5</b>	<b>3 399.6</b>
68 Real estate activities	..	..	0.0	0.0	0.7	0.5	0.9	0.9
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	1 020.6	1 052.7	1 470.2	1 502.3	1 683.5	1 546.9
72 Scientific research and development	1 571.9	1 469.3	1 599.1	1 654.1	1 771.0	1 831.2	1 856.1	1 810.5
77-82 Administrative and support service activities	..	..	230.6	236.0	37.6	40.5	39.1	41.3
84-99 Community, social and personal services	..	..	..	0.6	19.3	17.7	26.5	26.4
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	..	2.4	2.4
86-88 Human health and social work activities	..	..	..	..	..	..	3.9	4.0
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	1.4	1.4
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	..	18.8	18.7

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# HUNGARY

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>697.6</b>	<b>895.0</b>	<b>940.9</b>	<b>1 082.0</b>	<b>1 368.9</b>	<b>1 479.1</b>	<b>1 698.9</b>	<b>1 910.8</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>9.8</b>	<b>13.9</b>	<b>18.9</b>	<b>19.6</b>	<b>25.5</b>	<b>28.9</b>	<b>32.2</b>	<b>43.7</b>
<b>05-09 MINING AND QUARRYING</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.3</b>
<b>10-33 MANUFACTURING</b>	<b>551.6</b>	<b>683.2</b>	<b>690.3</b>	<b>791.1</b>	<b>931.6</b>	<b>961.5</b>	<b>1 055.1</b>	<b>1 198.4</b>
10-12 Food products, beverages and tobacco	8.4	13.2	13.9	13.1	23.6	29.8	36.4	36.7
13-15 Textiles, wearing apparel, leather and related products	0.3	0.7	0.8	0.4	0.5	0.3	0.2	0.6
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	3.7	6.7	4.9	5.7	9.3	8.7	9.5	12.3
16 Wood and wood products, except furniture	0.2	0.3	0.2	0.7	1.4	1.0	2.0	0.6
17 Paper and paper products	1.0	1.0	1.1	0.5	0.7	2.7	4.6	5.6
18 Printing and reproduction of recorded media	2.5	5.3	3.6	4.4	7.3	4.9	2.9	6.2
19-23 Chemical, rubber, plastic, non-metallic mineral products	347.8	444.1	369.2	445.6	500.1	500.2	500.7	565.1
19 Coke and refined petroleum products	14.1	14.8	18.3	24.9	26.7	12.1	13.7	15.3
20-21 Chemical and pharmaceutical products	326.2	413.9	338.4	408.3	451.7	469.6	462.7	514.5
20 Chemicals and chemical products	15.0	17.8	20.4	23.4	29.1	24.5	26.4	18.3
21 Pharmaceuticals, medicinal, chemical and botanical products	311.1	396.1	318.1	384.9	422.6	445.1	436.3	496.2
22 Rubber and plastic products	5.4	12.4	9.7	9.7	18.5	12.3	17.4	19.1
23 Other non-metallic mineral products	2.1	3.0	2.7	2.7	3.2	6.2	6.9	16.2
24-25 Basic metals, metal products, except machinery and equipment	4.9	8.0	8.5	11.0	17.2	16.2	20.4	50.6
24 Basic metals	3.9	5.2	4.0	5.6	7.4	8.1	5.0	5.5
25 Fabricated metal products, except machinery and equipment	1.0	2.8	4.5	5.4	9.8	8.1	15.5	45.1
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	183.2	207.8	289.1	296.9	352.6	369.6	447.6	480.8
26 Computer, electronic and optical products	72.5	82.7	101.5	79.0	126.2	116.8	150.0	130.1
27 Electrical equipment	43.0	36.0	38.3	42.5	47.6	42.2	49.0	46.0
28 Machinery and equipment n.e.c.	18.8	21.8	40.2	38.2	31.5	65.5	88.9	114.0
29 Motor vehicles, trailers and semi-trailers	48.8	66.9	108.1	135.8	136.3	143.3	158.0	188.7
30 Other transport equipment	0.0	0.5	1.1	1.4	10.9	1.9	1.8	2.1
31-33 Furniture; repair, installation of machinery and equipment	3.4	2.8	3.7	18.5	28.5	36.7	40.3	52.3
31 Furniture	0.2	0.3	0.4	0.2	0.6	1.1	3.3	3.5
32 Other manufacturing	0.5	0.5	0.4	10.2	12.1	19.0	24.3	28.2
33 Repair and installation of machinery and equipment	2.7	2.0	2.9	8.1	15.8	16.6	12.6	20.6
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>4.1</b>	<b>4.7</b>	<b>6.0</b>	<b>7.4</b>	<b>10.1</b>	<b>8.0</b>	<b>6.6</b>	<b>4.9</b>
35-36 Electricity, gas and water	3.1	3.0	2.6	1.7	2.3	3.5	2.9	2.7
37-39 Sewerage, waste management and remediation activities	1.0	1.8	3.4	5.7	7.8	4.5	3.7	2.2
<b>41-43 CONSTRUCTION</b>	<b>1.5</b>	<b>3.5</b>	<b>1.7</b>	<b>3.1</b>	<b>10.1</b>	<b>6.0</b>	<b>8.3</b>	<b>8.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>130.6</b>	<b>189.6</b>	<b>224.0</b>	<b>260.8</b>	<b>391.4</b>	<b>474.7</b>	<b>596.8</b>	<b>652.9</b>
<b>45-82 Business sector services</b>	<b>121.7</b>	<b>176.9</b>	<b>209.9</b>	<b>238.2</b>	<b>362.0</b>	<b>436.9</b>	<b>555.9</b>	<b>601.6</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>75.7</b>	<b>101.5</b>	<b>117.1</b>	<b>79.2</b>	<b>91.5</b>	<b>190.5</b>	<b>269.6</b>	<b>225.1</b>
<b>49-53 Transportation and storage</b>	<b>1.2</b>	<b>1.1</b>	<b>1.6</b>	<b>1.7</b>	<b>1.8</b>	<b>0.2</b>	<b>1.8</b>	<b>4.3</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>15.7</b>	<b>33.4</b>	<b>33.4</b>	<b>77.2</b>	<b>151.8</b>	<b>110.4</b>	<b>135.3</b>	<b>257.2</b>
58-60 Publishing, audiovisual and broadcasting activities	3.1	6.9	5.7	3.9	9.1	11.9	13.9	20.7
58 Publishing activities	3.1	6.9	5.7	3.5	8.4	10.0	13.0	20.7
59-60 Motion picture, video and TV programme production; broadcasting activities	0.0	0.0	0.0	0.4	0.7	2.0	0.8	0.0
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	2.3	3.4	2.8	3.0	3.8	1.6	3.6	4.3
62-63 IT and other information services	10.4	23.1	24.8	70.3	138.9	96.9	117.8	232.1
62 Computer programming, consultancy and related activities	8.6	22.0	23.8	69.5	134.1	93.8	114.4	221.4
63 Information service activities	1.8	1.1	1.1	0.8	4.8	3.1	3.4	10.7
<b>64-66 Financial and insurance activities</b>	<b>1.7</b>	<b>3.1</b>	<b>1.9</b>	<b>2.4</b>	<b>1.1</b>	<b>2.7</b>	<b>4.5</b>	<b>5.0</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>27.4</b>	<b>37.8</b>	<b>55.8</b>	<b>77.4</b>	<b>115.9</b>	<b>133.0</b>	<b>144.7</b>	<b>110.1</b>
68 Real estate activities	1.4	2.6	1.5	3.1	6.7	3.0	5.4	3.8
69-75x72 Professional, scientific and technical activities, except scientific R&D	18.4	21.8	36.0	67.5	103.1	107.1	130.0	99.6
72 Scientific research and development	5.4	11.8	11.1	3.7	2.0	18.4	3.1	1.7
77-82 Administrative and support service activities	2.3	1.6	7.2	3.1	4.1	4.6	6.1	5.0
84-99 Community, social and personal services	8.9	12.7	14.1	22.6	29.4	37.8	40.9	51.3
84-85 Public administration and defence; compulsory social security and education	0.0	0.2	1.5	0.9	1.2	1.2	0.7	7.3
86-88 Human health and social work activities	8.7	10.2	11.3	18.7	23.1	30.0	31.3	37.3
90-93 Arts, entertainment and recreation	0.1	0.4	0.3	0.8	0.6	0.6	1.2	1.6
94-99 Other services; household-employers; extraterritorial bodies	0.1	1.8	1.0	2.2	4.4	5.9	7.7	5.1

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# HUNGARY

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>697.6</b>	<b>863.1</b>	<b>881.3</b>	<b>948.0</b>	<b>1 119.3</b>	<b>1 184.7</b>	<b>1 307.0</b>	<b>1 438.8</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>9.8</b>	<b>13.4</b>	<b>17.7</b>	<b>17.2</b>	<b>20.9</b>	<b>23.2</b>	<b>24.8</b>	<b>32.9</b>
<b>05-09 MINING AND QUARRYING</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.8</b>
<b>10-33 MANUFACTURING</b>	<b>551.6</b>	<b>658.9</b>	<b>646.6</b>	<b>693.1</b>	<b>761.8</b>	<b>770.1</b>	<b>811.7</b>	<b>902.4</b>
10-12 Food products, beverages and tobacco	8.4	12.8	13.0	11.4	19.3	23.8	28.0	27.6
13-15 Textiles, wearing apparel, leather and related products	0.3	0.7	0.8	0.3	0.4	0.2	0.1	0.5
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	3.7	6.4	4.6	5.0	7.6	7.0	7.3	9.2
16 Wood and wood products, except furniture	0.2	0.3	0.2	0.6	1.1	0.8	1.6	0.4
17 Paper and paper products	1.0	1.0	1.0	0.5	0.5	2.2	3.6	4.2
18 Printing and reproduction of recorded media	2.5	5.1	3.4	3.9	5.9	3.9	2.2	4.6
19-23 Chemical, rubber, plastic, non-metallic mineral products	347.8	428.3	345.9	390.4	408.9	400.7	385.2	425.5
19 Coke and refined petroleum products	14.1	14.3	17.2	21.9	21.8	9.7	10.6	11.5
20-21 Chemical and pharmaceutical products	326.2	399.2	317.0	357.7	369.3	376.2	355.9	387.4
20 Chemicals and chemical products	15.0	17.2	19.1	20.5	23.8	19.6	20.3	13.7
21 Pharmaceuticals, medicinal, chemical and botanical products	311.1	382.0	298.0	337.2	345.5	356.5	335.7	373.6
22 Rubber and plastic products	5.4	11.9	9.1	8.5	15.2	9.8	13.4	14.4
23 Other non-metallic mineral products	2.1	2.9	2.6	2.4	2.6	5.0	5.3	12.2
24-25 Basic metals, metal products, except machinery and equipment	4.9	7.7	8.0	9.6	14.0	13.0	15.7	38.1
24 Basic metals	3.9	5.0	3.7	4.9	6.1	6.5	3.8	4.1
25 Fabricated metal products, except machinery and equipment	1.0	2.7	4.3	4.7	8.0	6.5	11.9	34.0
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	183.2	200.4	270.8	260.1	288.3	296.1	344.4	362.1
26 Computer, electronic and optical products	72.5	79.8	95.0	69.3	103.2	93.5	115.4	98.0
27 Electrical equipment	43.0	34.7	35.9	37.2	38.9	33.8	37.7	34.6
28 Machinery and equipment n.e.c.	18.8	21.1	37.7	33.5	25.8	52.4	68.4	85.8
29 Motor vehicles, trailers and semi-trailers	48.8	64.5	101.2	118.9	111.4	114.8	121.5	142.1
30 Other transport equipment	0.0	0.4	1.0	1.2	8.9	1.5	1.4	1.6
31-33 Furniture; repair, installation of machinery and equipment	3.4	2.7	3.5	16.2	23.3	29.4	31.0	39.4
31 Furniture	0.2	0.3	0.4	0.2	0.5	0.9	2.6	2.6
32 Other manufacturing	0.5	0.5	0.4	8.9	9.9	15.2	18.7	21.2
33 Repair and installation of machinery and equipment	2.7	1.9	2.7	7.1	12.9	13.3	9.7	15.5
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>4.1</b>	<b>4.6</b>	<b>5.6</b>	<b>6.5</b>	<b>8.2</b>	<b>6.4</b>	<b>5.0</b>	<b>3.7</b>
35-36 Electricity, gas and water	3.1	2.9	2.4	1.5	1.9	2.8	2.2	2.0
37-39 Sewerage, waste management and remediation activities	1.0	1.7	3.2	5.0	6.4	3.6	2.8	1.7
<b>41-43 CONSTRUCTION</b>	<b>1.5</b>	<b>3.4</b>	<b>1.6</b>	<b>2.7</b>	<b>8.3</b>	<b>4.8</b>	<b>6.4</b>	<b>6.4</b>
<b>45-99 TOTAL SERVICES</b>	<b>130.6</b>	<b>182.9</b>	<b>209.9</b>	<b>228.5</b>	<b>320.1</b>	<b>380.2</b>	<b>459.1</b>	<b>491.6</b>
<b>45-82 Business sector services</b>	<b>121.7</b>	<b>170.7</b>	<b>196.7</b>	<b>208.7</b>	<b>296.0</b>	<b>349.9</b>	<b>427.7</b>	<b>453.0</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>75.7</b>	<b>97.9</b>	<b>109.7</b>	<b>69.4</b>	<b>74.8</b>	<b>152.6</b>	<b>207.4</b>	<b>169.5</b>
<b>49-53 Transportation and storage</b>	<b>1.2</b>	<b>1.0</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>0.1</b>	<b>1.4</b>	<b>3.3</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>15.7</b>	<b>32.2</b>	<b>31.3</b>	<b>67.6</b>	<b>124.1</b>	<b>88.5</b>	<b>104.1</b>	<b>193.6</b>
58-60 Publishing, audiovisual and broadcasting activities	3.1	6.7	5.4	3.4	7.4	9.6	10.7	15.6
58 Publishing activities	3.1	6.6	5.4	3.1	6.9	8.0	10.0	15.6
59-60 Motion picture, video and TV programme production; broadcasting activities	0.0	0.0	0.0	0.4	0.6	1.6	0.6	0.0
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	2.3	3.3	2.7	2.6	3.1	1.3	2.8	3.3
62-63 IT and other information services	10.4	22.3	23.3	61.6	113.6	77.6	90.6	174.8
62 Computer programming, consultancy and related activities	8.6	21.2	22.3	60.9	109.6	75.1	88.0	166.7
63 Information service activities	1.8	1.0	1.0	0.7	3.9	2.5	2.6	8.1
<b>64-66 Financial and insurance activities</b>	<b>1.7</b>	<b>3.0</b>	<b>1.8</b>	<b>2.1</b>	<b>0.9</b>	<b>2.2</b>	<b>3.5</b>	<b>3.7</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>27.4</b>	<b>36.5</b>	<b>52.3</b>	<b>67.8</b>	<b>94.8</b>	<b>106.5</b>	<b>111.3</b>	<b>82.9</b>
68 Real estate activities	1.4	2.5	1.4	2.8	5.5	2.4	4.2	2.9
69-75x72 Professional, scientific and technical activities, except scientific R&D	18.4	21.1	33.7	59.2	84.3	85.8	100.0	75.0
72 Scientific research and development	5.4	11.4	10.4	3.2	1.6	14.7	2.4	1.3
77-82 Administrative and support service activities	2.3	1.6	6.8	2.7	3.4	3.7	4.7	3.7
84-99 Community, social and personal services	8.9	12.2	13.2	19.8	24.0	30.3	31.5	38.6
84-85 Public administration and defence; compulsory social security and education	0.0	0.2	1.4	0.8	1.0	1.0	0.6	5.5
86-88 Human health and social work activities	8.7	9.8	10.6	16.4	18.9	24.0	24.1	28.1
90-93 Arts, entertainment and recreation	0.1	0.4	0.3	0.7	0.5	0.5	0.9	1.2
94-99 Other services; household-employers; extraterritorial bodies	0.1	1.8	1.0	1.9	3.6	4.8	5.9	3.8

.. Not available

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## ISRAEL

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>5 553.3</b>	<b>5 946.8</b>	<b>7 198.0</b>	<b>7 109.3</b>	<b>6 891.5</b>	<b>7 190.9</b>	<b>7 813.5</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	..	..	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	3.5	3.3	..
<b>10-33 MANUFACTURING</b>	<b>2 000.9</b>	<b>2 125.3</b>	<b>2 489.5</b>	<b>2 201.1</b>	<b>1 984.1</b>	<b>2 164.1</b>	<b>2 382.4</b>	..
10-12 Food products, beverages and tobacco	9.0	3.2	5.2	19.8	11.2	15.0	20.0	..
13-15 Textiles, wearing apparel, leather and related products	5.5	22.2	33.4	24.9	25.9	22.1	25.4	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	..	..	..	..
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	313.7	327.6	413.9	382.4	421.7	416.1	376.1	..
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	..	..	..	..
20 Chemicals and chemical products	..	..	..	..	..	..	..	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	..	313.8	283.2	..
22 Rubber and plastic products	..	..	..	..	..	..	..	..
23 Other non-metallic mineral products	..	..	..	..	..	..	..	..
24-25 Basic metals, metal products, except machinery and equipment	33.0	50.5	67.9	51.2	62.3	42.6	89.7	..
24 Basic metals	..	..	..	..	..	..	..	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	..	..	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 639.7	1 721.7	1 969.0	1 722.9	1 463.0	1 668.1	1 871.2	..
26 Computer, electronic and optical products	1 486.5	1 518.8	1 717.5	1 404.0	1 236.0	1 401.7	1 545.9	..
27 Electrical equipment	..	..	..	..	..	..	..	..
28 Machinery and equipment n.e.c.	..	..	..	..	..	..	..	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	..	..	..
30 Other transport equipment	..	..	..	..	..	..	..	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	..	..	..	..
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	..	..	..	..	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>54.7</b>	<b>66.0</b>	<b>84.1</b>	<b>116.6</b>	<b>67.1</b>	<b>37.0</b>	<b>81.1</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	..	..	..	..	..	..	..	..
<b>45-99 TOTAL SERVICES</b>	<b>3 497.4</b>	<b>3 755.4</b>	<b>4 624.2</b>	<b>4 791.6</b>	<b>4 840.3</b>	<b>4 986.4</b>	<b>5 346.7</b>	..
<b>45-82 Business sector services</b>	..	..	..	..	..	4 825.1	5 172.4	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	..	..	..	..
<b>49-53 Transportation and storage</b>	..	..	..	..	..	..	..	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	..	..	..
<b>58-63 Information and communication</b>	<b>1 598.1</b>	<b>1 641.6</b>	<b>2 024.8</b>	<b>2 073.3</b>	<b>2 197.9</b>	<b>2 051.1</b>	<b>2 305.6</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	..	..	..	..	..	..	..	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	..	..	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	..	..	..	..
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	1 874.0	2 080.6	2 551.6	2 701.2	2 636.8	2 774.0	2 866.8	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
84-99 Community, social and personal services	..	..	..	..	..	161.3	174.3	..
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	..	..	..	..	..	..	..	..

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## ISRAEL

## R&amp;D expenditure in industry by main activity of the enterprise, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>5 553.3</b>	<b>6 013.5</b>	<b>7 090.6</b>	<b>7 159.7</b>	<b>6 807.0</b>	<b>7 017.8</b>	<b>7 391.2</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	..	..	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	3.4	3.1	..
<b>10-33 MANUFACTURING</b>	<b>2 000.9</b>	<b>2 149.1</b>	<b>2 452.3</b>	<b>2 216.7</b>	<b>1 959.8</b>	<b>2 112.0</b>	<b>2 253.6</b>	..
10-12 Food products, beverages and tobacco	9.0	3.3	5.1	19.9	11.0	14.7	18.9	..
13-15 Textiles, wearing apparel, leather and related products	5.5	22.4	33.0	25.1	25.6	21.6	24.0	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	..	..	..	..
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	313.7	331.3	407.8	385.1	416.5	406.1	355.8	..
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	..	..	..	..
20 Chemicals and chemical products	..	..	..	..	..	..	..	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	..	306.2	267.9	..
22 Rubber and plastic products	..	..	..	..	..	..	..	..
23 Other non-metallic mineral products	..	..	..	..	..	..	..	..
24-25 Basic metals, metal products, except machinery and equipment	33.0	51.1	66.9	51.5	61.5	41.6	84.9	..
24 Basic metals	..	..	..	..	..	..	..	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	..	..	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 639.7	1 741.1	1 939.7	1 735.1	1 445.1	1 628.0	1 770.1	..
26 Computer, electronic and optical products	1 486.5	1 535.9	1 691.9	1 414.0	1 220.8	1 367.9	1 462.4	..
27 Electrical equipment	..	..	..	..	..	..	..	..
28 Machinery and equipment n.e.c.	..	..	..	..	..	..	..	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	..	..	..
30 Other transport equipment	..	..	..	..	..	..	..	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	..	..	..	..
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	..	..	..	..	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>54.7</b>	<b>66.8</b>	<b>82.8</b>	<b>117.4</b>	<b>66.3</b>	<b>36.1</b>	<b>76.7</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	..	..	..	..	..	..	..	..
<b>45-99 TOTAL SERVICES</b>	<b>3 497.4</b>	<b>3 797.6</b>	<b>4 555.3</b>	<b>4 825.6</b>	<b>4 781.0</b>	<b>4 866.3</b>	<b>5 057.7</b>	..
<b>45-82 Business sector services</b>	..	..	..	..	..	<b>4 708.9</b>	<b>4 892.9</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	..	..	..	..
<b>49-53 Transportation and storage</b>	..	..	..	..	..	..	..	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	..	..	..
<b>58-63 Information and communication</b>	<b>1 598.1</b>	<b>1 660.0</b>	<b>1 994.6</b>	<b>2 088.0</b>	<b>2 171.0</b>	<b>2 001.7</b>	<b>2 181.0</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	..	..	..	..	..	..	..	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	..	..	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	..	..	..	..
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	1 874.0	2 104.0	2 513.5	2 720.4	2 604.4	2 707.2	2 711.9	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
84-99 Community, social and personal services	..	..	..	..	..	157.4	164.8	..
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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# ITALY

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>9 064.6</b>	<b>9 861.8</b>	<b>11 563.2</b>	<b>12 896.1</b>	<b>13 186.8</b>	<b>13 560.0</b>	<b>14 087.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>2.2</b>	<b>2.3</b>	<b>4.5</b>	<b>4.3</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>31.3</b>	<b>208.0</b>	<b>159.8</b>	<b>222.7</b>	<b>212.5</b>	<b>96.0</b>	<b>81.6</b>	..
<b>10-33 MANUFACTURING</b>	<b>6 420.4</b>	<b>6 956.0</b>	<b>8 043.1</b>	<b>9 175.6</b>	<b>9 185.1</b>	<b>9 713.3</b>	<b>10 368.6</b>	..
10-12 Food products, beverages and tobacco	100.2	153.4	165.6	199.1	201.2	210.5	195.6	..
13-15 Textiles, wearing apparel, leather and related products	105.6	165.2	301.8	425.2	470.8	543.3	565.3	..
13 Textiles	50.2	70.6	103.0	94.6	116.7	148.0	130.3	..
14 Wearing apparel	24.6	56.8	141.6	241.4	250.5	266.6	278.0	..
15 Leather and related products, footwear	30.8	37.8	57.2	89.2	103.6	128.7	157.1	..
16-18 Wood and paper products and printing	45.9	57.2	66.9	81.8	95.4	89.0	94.1	..
16 Wood and wood products, except furniture	9.4	8.2	11.0	18.0	21.0	17.9	17.7	..
17 Paper and paper products	29.9	40.2	45.3	47.7	57.3	56.9	62.9	..
18 Printing and reproduction of recorded media	6.7	8.8	10.6	16.1	17.1	14.1	13.5	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 150.5	1 199.1	1 293.1	1 500.6	1 520.0	1 617.4	1 619.9	..
19 Coke and refined petroleum products	4.4	10.2	14.1	16.2	6.8	11.8	16.4	..
20-21 Chemical and pharmaceutical products	875.0	849.4	914.4	1 059.6	1 122.5	1 179.9	1 193.6	..
20 Chemicals and chemical products	428.8	441.1	398.9	451.0	435.3	465.7	440.9	..
21 Pharmaceuticals, medicinal, chemical and botanical products	446.2	408.3	515.5	608.6	687.2	714.2	752.7	..
22 Rubber and plastic products	203.8	258.0	268.1	298.2	269.3	304.5	305.7	..
23 Other non-metallic mineral products	67.3	81.5	96.5	126.6	121.3	121.3	104.2	..
24-25 Basic metals, metal products, except machinery and equipment	108.1	194.4	302.1	520.1	450.0	466.4	487.9	..
24 Basic metals	45.1	67.3	112.5	138.3	123.3	123.6	137.2	..
25 Fabricated metal products, except machinery and equipment	63.1	127.1	189.6	381.8	326.8	342.9	350.7	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	4 781.5	5 038.8	5 698.9	6 200.8	6 185.1	6 520.3	7 152.4	..
26 Computer, electronic and optical products	1 498.6	1 447.3	1 544.7	1 518.5	1 638.7	1 767.5	1 878.6	..
27 Electrical equipment	252.8	289.7	349.4	480.9	490.7	556.7	599.4	..
28 Machinery and equipment n.e.c.	855.4	990.8	1 089.9	1 346.7	1 391.7	1 362.9	1 519.7	..
29 Motor vehicles, trailers and semi-trailers	1 101.1	1 043.8	1 279.5	1 469.1	1 279.3	1 378.5	1 688.8	..
30 Other transport equipment	1 073.7	1 267.2	1 435.3	1 385.5	1 384.6	1 454.7	1 466.0	..
31-33 Furniture; repair, installation of machinery and equipment	128.5	147.9	214.8	248.0	262.6	266.3	253.4	..
31 Furniture	..	..	49.2	74.9	73.3	64.6	68.3	..
32 Other manufacturing	..	..	90.7	94.9	98.1	115.5	117.4	..
33 Repair and installation of machinery and equipment	..	..	74.8	78.1	91.2	86.3	67.7	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>46.9</b>	<b>56.7</b>	<b>55.4</b>	<b>102.8</b>	<b>25.5</b>	<b>22.4</b>	<b>27.7</b>	..
35-36 Electricity, gas and water	..	..	49.5	95.3	15.3	15.0	20.3	..
37-39 Sewerage, waste management and remediation activities	..	..	5.9	7.5	10.2	7.4	7.4	..
<b>41-43 CONSTRUCTION</b>	<b>15.7</b>	<b>25.9</b>	<b>37.4</b>	<b>53.2</b>	<b>61.4</b>	<b>53.6</b>	<b>41.5</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>2 550.4</b>	<b>2 615.2</b>	<b>3 267.2</b>	<b>3 339.6</b>	<b>3 700.0</b>	<b>3 670.2</b>	<b>3 563.9</b>	..
<b>45-82 Business sector services</b>	<b>2 532.0</b>	<b>2 582.9</b>	<b>3 211.6</b>	<b>3 272.2</b>	<b>3 607.6</b>	<b>3 581.1</b>	<b>3 455.6</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>301.9</b>	<b>277.0</b>	<b>309.7</b>	<b>358.7</b>	<b>369.9</b>	<b>390.8</b>	<b>332.6</b>	..
<b>49-53 Transportation and storage</b>	<b>52.7</b>	<b>41.1</b>	<b>42.6</b>	<b>72.0</b>	<b>41.7</b>	<b>40.6</b>	<b>36.2</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>1.6</b>	<b>1.9</b>	<b>1.8</b>	<b>2.2</b>	<b>2.8</b>	<b>4.4</b>	<b>3.8</b>	..
<b>58-63 Information and communication</b>	<b>703.8</b>	<b>674.0</b>	<b>1 114.3</b>	<b>1 399.2</b>	<b>1 660.1</b>	<b>1 594.5</b>	<b>1 471.1</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	76.2	17.2	18.0	16.8	16.1	..
58 Publishing activities	..	..	65.9	4.3	5.2	5.9	5.9	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	10.3	12.9	12.9	10.9	10.3	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	234.1	264.7	565.0	1 100.1	1 284.9	1 224.8	1 077.0	..
62-63 IT and other information services	..	..	473.1	281.9	357.2	352.9	377.9	..
62 Computer programming, consultancy and related activities	..	..	460.3	266.3	329.5	325.2	342.4	..
63 Information service activities	..	..	12.7	15.6	27.7	27.7	35.5	..
<b>64-66 Financial and insurance activities</b>	<b>249.2</b>	<b>270.4</b>	<b>168.5</b>	<b>202.7</b>	<b>238.4</b>	<b>250.3</b>	<b>186.0</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>1 222.8</b>	<b>1 318.5</b>	<b>1 574.7</b>	<b>1 237.3</b>	<b>1 294.6</b>	<b>1 300.5</b>	<b>1 426.0</b>	..
68 Real estate activities	..	..	2.4	3.7	30.0	13.2	6.9	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	648.3	255.4	399.4	418.6	488.9	..
72 Scientific research and development	955.4	781.0	904.3	959.4	851.8	856.7	918.4	..
77-82 Administrative and support service activities	..	..	19.7	18.9	13.4	11.9	11.8	..
84-99 Community, social and personal services	18.4	32.3	55.5	67.4	92.4	89.1	108.3	..
84-85 Public administration and defence; compulsory social security and education	..	..	5.9	1.9	1.8	3.1	2.9	..
86-88 Human health and social work activities	..	..	47.6	61.4	81.4	75.5	93.2	..
90-93 Arts, entertainment and recreation	..	..	1.1	1.0	1.2	2.2	2.0	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	1.0	3.2	8.0	8.3	10.3	..

.. Not available

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# ITALY

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>9 064.6</b>	<b>9 314.6</b>	<b>10 477.6</b>	<b>10 995.5</b>	<b>10 839.1</b>	<b>11 156.9</b>	<b>11 263.8</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>1.8</b>	<b>1.9</b>	<b>3.7</b>	<b>3.4</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>31.3</b>	<b>196.5</b>	<b>144.8</b>	<b>189.9</b>	<b>174.7</b>	<b>79.0</b>	<b>65.2</b>	..
<b>10-33 MANUFACTURING</b>	<b>6 420.4</b>	<b>6 570.1</b>	<b>7 288.0</b>	<b>7 823.3</b>	<b>7 549.8</b>	<b>7 991.9</b>	<b>8 290.3</b>	..
10-12 Food products, beverages and tobacco	100.2	144.9	150.0	169.8	165.4	173.2	156.4	..
13-15 Textiles, wearing apparel, leather and related products	105.6	156.0	273.5	362.5	387.0	447.0	452.0	..
13 Textiles	50.2	66.7	93.3	80.6	95.9	121.8	104.2	..
14 Wearing apparel	24.6	53.6	128.3	205.8	205.9	219.4	222.3	..
15 Leather and related products, footwear	30.8	35.7	51.9	76.1	85.1	105.9	125.6	..
16-18 Wood and paper products and printing	45.9	54.0	60.6	69.7	78.4	73.2	75.2	..
16 Wood and wood products, except furniture	9.4	7.8	10.0	15.3	17.3	14.8	14.2	..
17 Paper and paper products	29.9	37.9	41.0	40.6	47.1	46.8	50.3	..
18 Printing and reproduction of recorded media	6.7	8.3	9.6	13.7	14.1	11.6	10.8	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 150.5	1 132.6	1 171.7	1 279.5	1 249.4	1 330.8	1 295.2	..
19 Coke and refined petroleum products	4.4	9.7	12.7	13.8	5.6	9.7	13.1	..
20-21 Chemical and pharmaceutical products	875.0	802.3	828.6	903.5	922.7	970.8	954.4	..
20 Chemicals and chemical products	428.8	416.6	361.5	384.6	357.8	383.1	352.5	..
21 Pharmaceuticals, medicinal, chemical and botanical products	446.2	385.6	467.1	518.9	564.8	587.6	601.8	..
22 Rubber and plastic products	203.8	243.6	242.9	254.2	221.4	250.6	244.4	..
23 Other non-metallic mineral products	67.3	77.0	87.4	108.0	99.7	99.8	83.3	..
24-25 Basic metals, metal products, except machinery and equipment	108.1	183.6	273.7	443.5	369.9	383.8	390.1	..
24 Basic metals	45.1	63.6	102.0	117.9	101.3	101.7	109.7	..
25 Fabricated metal products, except machinery and equipment	63.1	120.1	171.8	325.5	268.6	282.1	280.4	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	4 781.5	4 759.2	5 163.8	5 286.9	5 083.9	5 364.8	5 718.8	..
26 Computer, electronic and optical products	1 498.6	1 367.0	1 399.6	1 294.7	1 347.0	1 454.3	1 502.1	..
27 Electrical equipment	252.8	273.6	316.6	410.1	403.4	458.0	479.3	..
28 Machinery and equipment n.e.c.	855.4	935.8	987.6	1 148.3	1 143.9	1 121.4	1 215.1	..
29 Motor vehicles, trailers and semi-trailers	1 101.1	985.9	1 159.4	1 252.6	1 051.5	1 134.2	1 350.3	..
30 Other transport equipment	1 073.7	1 196.9	1 300.6	1 181.3	1 138.1	1 196.9	1 172.1	..
31-33 Furniture; repair, installation of machinery and equipment	128.5	139.7	194.6	211.4	215.9	219.1	202.6	..
31 Furniture	..	..	44.5	63.9	60.2	53.2	54.6	..
32 Other manufacturing	..	..	82.2	81.0	80.7	95.0	93.9	..
33 Repair and installation of machinery and equipment	..	..	67.8	66.6	75.0	71.0	54.1	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>46.9</b>	<b>53.6</b>	<b>50.2</b>	<b>87.7</b>	<b>21.0</b>	<b>18.5</b>	<b>22.2</b>	..
35-36 Electricity, gas and water	..	..	44.9	81.3	12.6	12.3	16.2	..
37-39 Sewerage, waste management and remediation activities	..	..	5.3	6.4	8.4	6.1	5.9	..
<b>41-43 CONSTRUCTION</b>	<b>15.7</b>	<b>24.4</b>	<b>33.9</b>	<b>45.4</b>	<b>50.5</b>	<b>44.1</b>	<b>33.2</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>2 550.4</b>	<b>2 470.1</b>	<b>2 960.4</b>	<b>2 847.4</b>	<b>3 041.2</b>	<b>3 019.8</b>	<b>2 849.5</b>	..
<b>45-82 Business sector services</b>	<b>2 532.0</b>	<b>2 439.6</b>	<b>2 910.1</b>	<b>2 789.9</b>	<b>2 965.3</b>	<b>2 946.5</b>	<b>2 763.0</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>301.9</b>	<b>261.7</b>	<b>280.6</b>	<b>305.9</b>	<b>304.1</b>	<b>321.5</b>	<b>266.0</b>	..
<b>49-53 Transportation and storage</b>	<b>52.7</b>	<b>38.8</b>	<b>38.6</b>	<b>61.4</b>	<b>34.3</b>	<b>33.4</b>	<b>28.9</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>1.6</b>	<b>1.8</b>	<b>1.7</b>	<b>1.8</b>	<b>2.3</b>	<b>3.6</b>	<b>3.0</b>	..
<b>58-63 Information and communication</b>	<b>703.8</b>	<b>636.6</b>	<b>1 009.7</b>	<b>1 193.0</b>	<b>1 364.6</b>	<b>1 311.9</b>	<b>1 176.2</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	69.0	14.7	14.8	13.8	12.9	..
58 Publishing activities	..	..	59.7	3.7	4.2	4.9	4.7	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	9.3	11.0	10.6	9.0	8.2	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	234.1	250.1	512.0	937.9	1 056.2	1 007.8	861.1	..
62-63 IT and other information services	..	..	428.6	240.4	293.6	290.3	302.2	..
62 Computer programming, consultancy and related activities	..	..	417.1	227.1	270.8	267.6	273.8	..
63 Information service activities	..	..	11.5	13.3	22.8	22.8	28.4	..
<b>64-66 Financial and insurance activities</b>	<b>249.2</b>	<b>255.4</b>	<b>152.7</b>	<b>172.8</b>	<b>196.0</b>	<b>206.0</b>	<b>148.7</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>1 222.8</b>	<b>1 245.3</b>	<b>1 426.9</b>	<b>1 055.0</b>	<b>1 064.1</b>	<b>1 070.0</b>	<b>1 140.2</b>	..
68 Real estate activities	..	..	2.2	3.1	24.7	10.9	5.5	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	587.5	217.8	328.3	344.4	390.9	..
72 Scientific research and development	955.4	737.7	819.4	818.0	700.1	704.9	734.3	..
77-82 Administrative and support service activities	..	..	17.8	16.1	11.0	9.8	9.5	..
84-99 Community, social and personal services	18.4	30.5	50.3	57.5	75.9	73.3	86.6	..
84-85 Public administration and defence; compulsory social security and education	..	..	5.3	1.6	1.5	2.5	2.3	..
86-88 Human health and social work activities	..	..	43.1	52.3	66.9	62.1	74.5	..
90-93 Arts, entertainment and recreation	..	..	1.0	0.9	1.0	1.8	1.6	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	0.9	2.7	6.6	6.9	8.2	..

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# ITALY

## R&D expenditure in industry by product field, current prices

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	<b>12 896.1</b>	<b>13 186.8</b>	<b>13 560.0</b>	<b>14 087.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	<b>150.7</b>	<b>105.7</b>	<b>85.6</b>	<b>117.8</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	<b>260.6</b>	<b>226.8</b>	<b>54.0</b>	<b>46.7</b>	..
<b>10-33 MANUFACTURING</b>	..	..	..	<b>10 218.1</b>	<b>10 109.5</b>	<b>10 788.4</b>	<b>11 365.2</b>	..
10-12 Food products, beverages and tobacco	..	..	..	459.1	293.5	324.5	275.1	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	581.2	586.9	693.9	726.7	..
13 Textiles	..	..	..	209.5	230.9	280.8	266.1	..
14 Wearing apparel	..	..	..	283.3	249.6	272.4	291.6	..
15 Leather and related products, footwear	..	..	..	88.4	106.4	140.7	168.9	..
16-18 Wood and paper products and printing	..	..	..	182.9	172.6	163.0	169.2	..
16 Wood and wood products, except furniture	..	..	..	67.1	59.4	47.0	45.4	..
17 Paper and paper products	..	..	..	84.0	86.6	88.1	94.6	..
18 Printing and reproduction of recorded media	..	..	..	31.8	26.7	27.9	29.2	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	1 913.8	2 033.4	2 211.2	2 262.8	..
19 Coke and refined petroleum products	..	..	..	19.6	93.4	124.7	128.6	..
20-21 Chemical and pharmaceutical products	..	..	..	1 376.5	1 480.7	1 583.6	1 589.1	..
20 Chemicals and chemical products	..	..	..	394.2	452.2	487.5	433.5	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	982.3	1 028.5	1 096.2	1 155.6	..
22 Rubber and plastic products	..	..	..	358.1	318.9	358.4	414.5	..
23 Other non-metallic mineral products	..	..	..	159.5	140.4	144.5	130.7	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	715.5	692.3	596.3	614.1	..
24 Basic metals	..	..	..	246.1	249.2	262.8	276.9	..
25 Fabricated metal products, except machinery and equipment	..	..	..	469.4	443.1	333.5	337.2	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	6 196.1	6 188.4	6 649.9	7 170.1	..
26 Computer, electronic and optical products	..	..	..	1 785.7	1 856.3	1 948.0	2 005.5	..
27 Electrical equipment	..	..	..	287.5	349.6	411.3	480.6	..
28 Machinery and equipment n.e.c.	..	..	..	899.0	997.8	942.1	1 056.1	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	1 688.0	1 661.2	1 908.4	2 113.5	..
30 Other transport equipment	..	..	..	1 535.9	1 323.6	1 440.1	1 514.5	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	169.5	142.3	149.6	147.2	..
31 Furniture	..	..	..	45.4	40.3	43.1	46.2	..
32 Other manufacturing	..	..	..	74.3	81.5	87.8	89.9	..
33 Repair and installation of machinery and equipment	..	..	..	49.8	20.5	18.7	11.1	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	<b>232.4</b>	<b>326.5</b>	<b>315.7</b>	<b>324.4</b>	..
35-36 Electricity, gas and water	..	..	..	194.8	287.6	265.2	274.2	..
37-39 Sewerage, waste management and remediation activities	..	..	..	37.5	38.9	50.5	50.2	..
<b>41-43 CONSTRUCTION</b>	..	..	..	<b>50.3</b>	<b>127.3</b>	<b>69.1</b>	<b>63.8</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	<b>1 984.0</b>	<b>2 291.0</b>	<b>2 247.2</b>	<b>2 169.8</b>	..
<b>45-82 Business sector services</b>	..	..	..	<b>1 235.8</b>	<b>1 416.6</b>	<b>1 463.0</b>	<b>1 995.8</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	<b>80.1</b>	<b>71.2</b>	<b>47.3</b>	<b>42.0</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	<b>100.7</b>	<b>92.2</b>	<b>68.1</b>	<b>65.6</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	<b>6.1</b>	<b>9.1</b>	<b>10.8</b>	<b>10.3</b>	..
<b>58-63 Information and communication</b>	..	..	..	<b>706.5</b>	<b>829.4</b>	<b>921.5</b>	<b>1 475.1</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	15.3	13.5	9.1	11.8	..
58 Publishing activities	..	..	..	0.0	0.0	0.0	0.0	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	15.3	13.5	9.1	11.8	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	15.3	13.5	9.1	11.8	..
60 Programming and broadcasting activities	..	..	..	0.0	0.0	0.0	0.0	..
61 Telecommunications	..	..	..	295.7	413.5	518.0	1 037.6	..
62-63 IT and other information services	..	..	..	395.4	402.4	394.4	425.5	..
62 Computer programming, consultancy and related activities	..	..	..	370.3	379.2	368.5	401.7	..
63 Information service activities	..	..	..	25.1	23.2	25.9	23.8	..
<b>64-66 Financial and insurance activities</b>	..	..	..	<b>212.1</b>	<b>251.8</b>	<b>270.7</b>	<b>213.7</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	<b>130.4</b>	<b>162.8</b>	<b>144.7</b>	<b>189.1</b>	..
68 Real estate activities	..	..	..	0.4	2.8	0.8	0.1	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	124.9	157.5	140.7	186.2	..
72 Scientific research and development	..	..	..	0.0	0.0	0.0	0.0	..
77-82 Administrative and support service activities	..	..	..	5.2	2.4	3.2	2.7	..
84-99 Community, social and personal services	..	..	..	748.2	874.4	784.2	174.0	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	27.4	32.6	42.2	44.0	..
86-88 Human health and social work activities	..	..	..	59.2	79.6	82.0	113.0	..
90-93 Arts, entertainment and recreation	..	..	..	0.6	2.7	3.1	0.5	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	661.0	759.5	656.9	16.5	..

.. Not available

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# ITALY

## R&D expenditure in industry by product field, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	<b>10 995.5</b>	<b>10 839.1</b>	<b>11 156.9</b>	<b>11 263.8</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	<b>128.5</b>	<b>86.9</b>	<b>70.4</b>	<b>94.2</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	<b>222.2</b>	<b>186.4</b>	<b>44.4</b>	<b>37.4</b>	..
<b>10-33 MANUFACTURING</b>	..	..	..	<b>8 712.1</b>	<b>8 309.6</b>	<b>8 876.5</b>	<b>9 087.1</b>	..
10-12 Food products, beverages and tobacco	..	..	..	391.5	241.3	267.0	220.0	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	495.6	482.4	571.0	581.0	..
13 Textiles	..	..	..	178.7	189.8	231.1	212.8	..
14 Wearing apparel	..	..	..	241.6	205.2	224.1	233.2	..
15 Leather and related products, footwear	..	..	..	75.3	87.4	115.8	135.1	..
16-18 Wood and paper products and printing	..	..	..	156.0	141.9	134.1	135.3	..
16 Wood and wood products, except furniture	..	..	..	57.2	48.8	38.7	36.3	..
17 Paper and paper products	..	..	..	71.7	71.1	72.5	75.6	..
18 Printing and reproduction of recorded media	..	..	..	27.1	21.9	23.0	23.3	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	1 631.7	1 671.4	1 819.3	1 809.2	..
19 Coke and refined petroleum products	..	..	..	16.8	76.8	102.6	102.8	..
20-21 Chemical and pharmaceutical products	..	..	..	1 173.7	1 217.1	1 303.0	1 270.6	..
20 Chemicals and chemical products	..	..	..	336.1	371.7	401.1	346.6	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	837.5	845.4	901.9	924.0	..
22 Rubber and plastic products	..	..	..	305.3	262.1	294.9	331.4	..
23 Other non-metallic mineral products	..	..	..	136.0	115.4	118.9	104.5	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	610.0	569.1	490.6	491.0	..
24 Basic metals	..	..	..	209.8	204.9	216.2	221.4	..
25 Fabricated metal products, except machinery and equipment	..	..	..	400.2	364.2	274.4	269.6	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	5 282.9	5 086.6	5 471.4	5 732.9	..
26 Computer, electronic and optical products	..	..	..	1 522.5	1 525.8	1 602.8	1 603.5	..
27 Electrical equipment	..	..	..	245.1	287.3	338.4	384.3	..
28 Machinery and equipment n.e.c.	..	..	..	766.5	820.2	775.1	844.4	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	1 439.2	1 365.4	1 570.2	1 689.9	..
30 Other transport equipment	..	..	..	1 309.5	1 087.9	1 184.8	1 210.9	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	144.5	117.0	123.1	117.7	..
31 Furniture	..	..	..	38.7	33.1	35.4	36.9	..
32 Other manufacturing	..	..	..	63.3	67.0	72.2	71.9	..
33 Repair and installation of machinery and equipment	..	..	..	42.5	16.8	15.4	8.8	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	<b>198.1</b>	<b>268.4</b>	<b>259.7</b>	<b>259.4</b>	..
35-36 Electricity, gas and water	..	..	..	166.1	236.4	218.2	219.2	..
37-39 Sewerage, waste management and remediation activities	..	..	..	32.0	32.0	41.6	40.2	..
<b>41-43 CONSTRUCTION</b>	..	..	..	<b>42.9</b>	<b>104.6</b>	<b>56.8</b>	<b>51.0</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	<b>1 691.6</b>	<b>1 883.1</b>	<b>1 848.9</b>	<b>1 734.8</b>	..
<b>45-82 Business sector services</b>	..	..	..	<b>1 053.7</b>	<b>1 164.4</b>	<b>1 203.7</b>	<b>1 595.7</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	<b>68.3</b>	<b>58.5</b>	<b>38.9</b>	<b>33.6</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	<b>85.8</b>	<b>75.8</b>	<b>56.0</b>	<b>52.4</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	<b>5.2</b>	<b>7.5</b>	<b>8.9</b>	<b>8.2</b>	..
<b>58-63 Information and communication</b>	..	..	..	<b>602.3</b>	<b>681.7</b>	<b>758.2</b>	<b>1 179.4</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	13.1	11.1	7.5	9.5	..
58 Publishing activities	..	..	..	0.0	0.0	0.0	0.0	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	13.1	11.1	7.5	9.5	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	13.1	11.1	7.5	9.5	..
60 Programming and broadcasting activities	..	..	..	0.0	0.0	0.0	0.0	..
61 Telecommunications	..	..	..	252.2	339.8	426.2	829.6	..
62-63 IT and other information services	..	..	..	337.1	330.7	324.5	340.2	..
62 Computer programming, consultancy and related activities	..	..	..	315.7	311.7	303.2	321.2	..
63 Information service activities	..	..	..	21.4	19.1	21.3	19.0	..
<b>64-66 Financial and insurance activities</b>	..	..	..	<b>180.8</b>	<b>207.0</b>	<b>222.7</b>	<b>170.9</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	<b>111.2</b>	<b>133.8</b>	<b>119.1</b>	<b>151.2</b>	..
68 Real estate activities	..	..	..	0.3	2.3	0.6	0.1	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	106.5	129.5	115.8	148.9	..
72 Scientific research and development	..	..	..	0.0	0.0	0.0	0.0	..
77-82 Administrative and support service activities	..	..	..	4.4	2.0	2.6	2.2	..
84-99 Community, social and personal services	..	..	..	637.9	718.8	645.2	139.1	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	23.3	26.8	34.7	35.2	..
86-88 Human health and social work activities	..	..	..	50.5	65.4	67.5	90.3	..
90-93 Arts, entertainment and recreation	..	..	..	0.5	2.2	2.5	0.4	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	563.5	624.3	540.5	13.2	..

.. Not available

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# JAPAN

## R&D expenditure in industry by main activity of the enterprise, current prices ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>98 384.0</b>	<b>106 919.3</b>	<b>114 969.7</b>	<b>116 687.8</b>	<b>103 806.8</b>	<b>107 622.5</b>	<b>114 204.6</b>	<b>116 258.4</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>44.2</b>	<b>50.6</b>	<b>73.7</b>	<b>28.8</b>	<b>27.1</b>	<b>41.1</b>	<b>27.6</b>	<b>17.8</b>
<b>05-09 MINING AND QUARRYING</b>	<b>146.5</b>	<b>82.1</b>	<b>191.5</b>	<b>109.0</b>	<b>136.1</b>	<b>89.6</b>	<b>30.3</b>	<b>28.9</b>
<b>10-33 MANUFACTURING</b>	<b>86 858.2</b>	<b>94 104.2</b>	<b>101 246.5</b>	<b>101 699.3</b>	<b>90 421.7</b>	<b>93 784.0</b>	<b>100 352.8</b>	<b>102 250.8</b>
10-12 Food products, beverages and tobacco	2 343.3	2 620.1	2 326.1	2 285.0	2 096.6	2 128.3	2 085.7	2 105.4
13-15 Textiles, wearing apparel, leather and related products	372.4	445.7	1 106.4	1 233.9	1 044.0	1 125.8	1 266.2	1 299.9
13 Textiles	..	..	1 022.9	1 154.9	978.0	1 050.9	1 191.3	1 235.2
14 Wearing apparel	..	..	35.5	36.9	28.4	30.4	40.9	29.5
15 Leather and related products, footwear	..	..	48.1	42.0	37.6	44.4	34.0	35.3
16-18 Wood and paper products and printing	757.9	916.9	858.0	831.8	728.9	772.6	734.3	674.6
16 Wood and wood products, except furniture	63.4	83.7	102.7	85.5	67.0	81.9	86.0	100.9
17 Paper and paper products	386.4	402.5	380.5	374.3	335.9	377.7	319.8	239.6
18 Printing and reproduction of recorded media	308.1	430.7	374.8	372.0	326.0	313.0	328.5	334.1
19-23 Chemical, rubber, plastic, non-metallic mineral products	17 669.8	19 778.3	21 483.5	22 673.0	20 931.6	22 258.5	22 802.7	24 088.5
19 Coke and refined petroleum products	395.0	452.5	442.9	510.7	441.0	468.3	447.7	438.2
20-21 Chemical and pharmaceutical products	14 261.7	15 788.1	17 255.2	18 156.8	16 881.5	18 100.3	18 371.2	19 611.2
20 Chemicals and chemical products	6 174.2	6 373.4	6 833.2	7 068.8	6 541.8	6 665.9	6 925.1	7 134.4
21 Pharmaceuticals, medicinal, chemical and botanical products	8 087.5	9 414.7	10 422.0	11 088.0	10 339.7	11 434.4	11 446.1	12 476.8
22 Rubber and plastic products	2 225.6	2 429.4	2 547.0	2 539.5	2 378.7	2 422.1	2 594.7	2 628.3
23 Other non-metallic mineral products	787.5	1 108.3	1 238.3	1 466.0	1 230.3	1 267.8	1 389.0	1 410.8
24-25 Basic metals, metal products, except machinery and equipment	2 262.9	2 589.3	2 840.8	2 679.0	2 474.6	2 650.2	2 865.7	2 647.8
24 Basic metals	1 626.8	1 910.1	2 077.6	2 238.6	2 028.1	2 156.2	2 360.2	2 158.4
25 Fabricated metal products, except machinery and equipment	636.1	679.2	763.2	440.4	446.5	494.0	505.5	489.4
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	61 763.1	66 229.7	71 052.8	70 117.9	61 393.5	62 870.3	68 596.4	69 314.1
26 Computer, electronic and optical products	..	..	32 756.9	32 229.4	27 339.5	26 276.0	29 244.8	28 275.7
27 Electrical equipment	..	..	3 548.4	3 428.5	2 968.7	3 411.5	3 221.7	3 254.8
28 Machinery and equipment n.e.c.	8 307.3	9 223.9	9 725.4	9 766.2	9 462.0	9 540.6	10 211.0	10 373.8
29 Motor vehicles, trailers and semi-trailers	16 484.6	18 111.9	24 623.1	24 255.9	21 271.3	23 165.2	25 408.9	26 824.4
30 Other transport equipment	382.3	345.7	399.0	438.0	352.0	477.1	510.1	585.4
31-33 Furniture; repair, installation of machinery and equipment	1 688.8	1 524.2	1 578.8	1 878.6	1 752.4	1 978.4	2 002.0	2 120.5
31 Furniture	162.5	150.9	140.8	180.6	115.6	93.4	106.8	97.6
32 Other manufacturing	1 526.3	1 373.3	1 438.0	1 698.0	1 636.8	1 885.0	1 895.2	2 022.9
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>514.2</b>	<b>549.4</b>	<b>622.8</b>	<b>617.5</b>	<b>550.2</b>	<b>595.8</b>	<b>505.6</b>	<b>501.8</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>992.2</b>	<b>1 008.0</b>	<b>983.9</b>	<b>1 026.0</b>	<b>1 002.2</b>	<b>1 023.5</b>	<b>1 024.1</b>	<b>1 062.4</b>
<b>45-99 TOTAL SERVICES</b>	<b>9 828.6</b>	<b>11 124.9</b>	<b>11 851.3</b>	<b>13 207.1</b>	<b>11 669.6</b>	<b>12 088.4</b>	<b>12 264.2</b>	<b>12 396.7</b>
<b>45-82 Business sector services</b>	<b>9 828.6</b>	<b>11 124.9</b>	<b>11 851.3</b>	<b>13 207.1</b>	<b>11 669.6</b>	<b>12 088.4</b>	<b>12 264.2</b>	<b>12 396.7</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>326.2</b>	<b>192.7</b>	<b>269.1</b>	<b>361.3</b>	<b>385.3</b>	<b>360.7</b>	<b>313.1</b>	<b>461.4</b>
<b>49-53 Transportation and storage</b>	<b>178.8</b>	<b>198.1</b>	<b>278.0</b>	<b>337.4</b>	<b>327.1</b>	<b>306.5</b>	<b>326.9</b>	<b>424.2</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>4 153.3</b>	<b>4 142.8</b>	<b>4 096.8</b>	<b>5 096.9</b>	<b>4 600.6</b>	<b>4 840.2</b>	<b>5 237.9</b>	<b>5 160.8</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	126.4	110.2	103.0	8.7	9.5
58 Publishing activities	..	..	..	22.2	8.5	6.7	4.6	6.3
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	104.1	101.8	96.3	4.1	3.1
59 Motion picture, video and TV programme production; sound and music	..	..	..	4.2	2.0	0.4	0.7	0.6
60 Programming and broadcasting activities	..	..	..	99.9	99.7	95.8	3.5	2.5
61 Telecommunications	2 040.2	1 872.8	2 059.4	2 800.8	2 284.3	2 278.1	2 779.8	2 821.8
62-63 IT and other information services	..	..	..	2 169.8	2 206.0	2 459.2	2 449.5	2 329.5
62 Computer programming, consultancy and related activities	..	..	..	1 893.5	1 922.3	2 180.2	2 142.3	2 084.8
63 Information service activities	313.3	293.1	357.3	276.2	283.7	279.0	307.1	244.8
<b>64-66 Financial and insurance activities</b>	<b>10.3</b>	<b>11.3</b>	<b>14.6</b>	<b>21.0</b>	<b>19.6</b>	<b>22.8</b>	<b>30.5</b>	<b>17.5</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>5 160.1</b>	<b>6 580.0</b>	<b>7 192.8</b>	<b>7 390.5</b>	<b>6 337.2</b>	<b>6 558.2</b>	<b>6 355.8</b>	<b>6 332.9</b>
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	295.6	348.4	420.7	407.7	427.6	388.0	342.0	585.9
72 Scientific research and development	4 816.7	6 193.3	6 725.2	6 926.5	5 852.9	6 109.6	5 958.0	5 691.1
77-82 Administrative and support service activities	47.8	38.3	46.9	56.3	56.7	60.6	55.7	55.9
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	..	..	..	..	..	..	..	..

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# JAPAN

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>98 384.0</b>	<b>104 039.7</b>	<b>108 981.0</b>	<b>108 813.6</b>	<b>96 121.2</b>	<b>98 462.4</b>	<b>102 534.5</b>	<b>102 584.9</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>44.2</b>	<b>49.2</b>	<b>69.9</b>	<b>26.9</b>	<b>25.1</b>	<b>37.6</b>	<b>24.8</b>	<b>15.7</b>
<b>05-09 MINING AND QUARRYING</b>	<b>146.5</b>	<b>79.9</b>	<b>181.6</b>	<b>101.7</b>	<b>126.0</b>	<b>82.0</b>	<b>27.2</b>	<b>25.5</b>
<b>10-33 MANUFACTURING</b>	<b>86 858.2</b>	<b>91 569.7</b>	<b>95 972.6</b>	<b>94 836.6</b>	<b>83 727.0</b>	<b>85 801.8</b>	<b>90 098.1</b>	<b>90 224.8</b>
10-12 Food products, beverages and tobacco	2 343.3	2 549.6	2 205.0	2 130.8	1 941.4	1 947.2	1 872.5	1 857.8
13-15 Textiles, wearing apparel, leather and related products	372.4	433.6	1 048.8	1 150.6	966.7	1 030.0	1 136.8	1 147.1
13 Textiles	..	..	969.6	1 077.0	905.6	961.5	1 069.5	1 089.9
14 Wearing apparel	..	..	33.6	34.4	26.3	27.8	36.7	26.0
15 Leather and related products, footwear	..	..	45.6	39.2	34.8	40.7	30.5	31.1
16-18 Wood and paper products and printing	757.9	892.2	813.3	775.7	674.9	706.9	659.2	595.2
16 Wood and wood products, except furniture	63.4	81.5	97.4	79.7	62.0	74.9	77.2	89.0
17 Paper and paper products	386.4	391.6	360.6	349.1	311.0	345.6	287.1	211.4
18 Printing and reproduction of recorded media	308.1	419.1	355.3	346.9	301.9	286.4	295.0	294.8
19-23 Chemical, rubber, plastic, non-metallic mineral products	17 669.8	19 245.6	20 364.4	21 143.0	19 381.8	20 364.0	20 472.5	21 255.4
19 Coke and refined petroleum products	395.0	440.3	419.9	476.2	408.4	428.5	401.9	386.7
20-21 Chemical and pharmaceutical products	14 261.7	15 362.9	16 356.4	16 931.6	15 631.7	16 559.7	16 493.9	17 304.7
20 Chemicals and chemical products	6 174.2	6 201.8	6 477.3	6 591.8	6 057.5	6 098.6	6 217.5	6 295.3
21 Pharmaceuticals, medicinal, chemical and botanical products	8 087.5	9 161.1	9 879.1	10 339.8	9 574.2	10 461.2	10 276.5	11 009.4
22 Rubber and plastic products	2 225.6	2 364.0	2 414.3	2 368.1	2 202.6	2 215.9	2 329.6	2 319.2
23 Other non-metallic mineral products	787.5	1 078.5	1 173.8	1 367.1	1 139.2	1 159.9	1 247.1	1 244.8
24-25 Basic metals, metal products, except machinery and equipment	2 262.9	2 519.5	2 692.8	2 498.2	2 291.4	2 424.6	2 572.8	2 336.4
24 Basic metals	1 626.8	1 858.6	1 969.4	2 087.5	1 878.0	1 972.7	2 119.0	1 904.5
25 Fabricated metal products, except machinery and equipment	636.1	660.9	723.5	410.7	413.4	452.0	453.8	431.9
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	61 763.1	64 445.9	67 351.7	65 386.3	56 848.0	57 519.2	61 586.8	61 161.8
26 Computer, electronic and optical products	..	..	31 050.6	30 054.5	25 315.3	24 039.6	26 256.3	24 950.1
27 Electrical equipment	..	..	3 363.6	3 197.1	2 748.9	3 121.1	2 892.5	2 872.0
28 Machinery and equipment n.e.c.	8 307.3	8 975.5	9 218.8	9 107.1	8 761.4	8 728.6	9 167.6	9 153.7
29 Motor vehicles, trailers and semi-trailers	16 484.6	17 624.1	23 340.5	22 619.1	19 696.4	21 193.5	22 812.5	23 669.5
30 Other transport equipment	382.3	336.4	378.3	408.4	326.0	436.4	457.9	516.5
31-33 Furniture; repair, installation of machinery and equipment	1 688.8	1 483.2	1 496.6	1 751.8	1 622.7	1 810.0	1 797.4	1 871.1
31 Furniture	162.5	146.8	133.5	168.4	107.1	85.5	95.9	86.1
32 Other manufacturing	1 526.3	1 336.4	1 363.1	1 583.4	1 515.6	1 724.5	1 701.5	1 785.0
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>514.2</b>	<b>534.6</b>	<b>590.3</b>	<b>575.8</b>	<b>509.5</b>	<b>545.1</b>	<b>454.0</b>	<b>442.8</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>992.2</b>	<b>980.9</b>	<b>932.6</b>	<b>956.8</b>	<b>928.0</b>	<b>936.4</b>	<b>919.4</b>	<b>937.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>9 828.6</b>	<b>10 825.3</b>	<b>11 234.0</b>	<b>12 315.9</b>	<b>10 805.6</b>	<b>11 059.5</b>	<b>11 010.9</b>	<b>10 938.7</b>
<b>45-82 Business sector services</b>	<b>9 828.6</b>	<b>10 825.3</b>	<b>11 234.0</b>	<b>12 315.9</b>	<b>10 805.6</b>	<b>11 059.5</b>	<b>11 010.9</b>	<b>10 938.7</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>326.2</b>	<b>187.6</b>	<b>255.1</b>	<b>336.9</b>	<b>356.7</b>	<b>330.0</b>	<b>281.1</b>	<b>407.1</b>
<b>49-53 Transportation and storage</b>	<b>178.8</b>	<b>192.7</b>	<b>263.5</b>	<b>314.6</b>	<b>302.8</b>	<b>280.4</b>	<b>293.5</b>	<b>374.3</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>4 153.3</b>	<b>4 031.3</b>	<b>3 883.4</b>	<b>4 753.0</b>	<b>4 260.0</b>	<b>4 428.2</b>	<b>4 702.7</b>	<b>4 553.8</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	117.8	102.1	94.2	7.8	8.3
58 Publishing activities	..	..	..	20.7	7.8	6.1	4.1	5.6
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	97.1	94.2	88.1	3.7	2.8
59 Motion picture, video and TV programme production; sound and music	..	..	..	4.0	1.9	0.4	0.6	0.6
60 Programming and broadcasting activities	..	..	..	93.2	92.4	87.7	3.1	2.2
61 Telecommunications	2 040.2	1 822.3	1 952.1	2 611.8	2 115.2	2 084.2	2 495.7	2 489.9
62-63 IT and other information services	..	..	..	2 023.3	2 042.7	2 249.8	2 199.1	2 055.5
62 Computer programming, consultancy and related activities	..	..	..	1 765.8	1 780.0	1 994.6	1 923.4	1 839.6
63 Information service activities	313.3	285.2	338.7	257.6	262.7	255.2	275.8	216.0
<b>64-66 Financial and insurance activities</b>	<b>10.3</b>	<b>11.0</b>	<b>13.9</b>	<b>19.6</b>	<b>18.1</b>	<b>20.8</b>	<b>27.4</b>	<b>15.5</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>5 160.1</b>	<b>6 402.8</b>	<b>6 818.1</b>	<b>6 891.8</b>	<b>5 868.0</b>	<b>6 000.0</b>	<b>5 706.3</b>	<b>5 588.1</b>
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	295.6	339.0	398.8	380.2	396.0	355.0	307.1	517.0
72 Scientific research and development	4 816.7	6 026.5	6 374.8	6 459.1	5 419.6	5 589.6	5 349.2	5 021.8
77-82 Administrative and support service activities	47.8	37.3	44.5	52.5	52.5	55.4	50.0	49.3
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	..	..	..	..	..	..	..	..

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# KOREA

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>23 531.2</b>	<b>27 313.8</b>	<b>31 027.1</b>	<b>33 090.8</b>	<b>34 256.3</b>	<b>38 970.9</b>	<b>44 680.5</b>	<b>50 974.5</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>10.8</b>	<b>15.4</b>	<b>15.4</b>	<b>26.1</b>	<b>24.9</b>	<b>30.9</b>	<b>42.3</b>	<b>31.4</b>
<b>05-09 MINING AND QUARRYING</b>	<b>0.0</b>	<b>0.0</b>	<b>8.5</b>	<b>7.8</b>	<b>17.5</b>	<b>22.3</b>	<b>25.7</b>	<b>41.4</b>
<b>10-33 MANUFACTURING</b>	<b>20 854.4</b>	<b>24 578.4</b>	<b>27 738.1</b>	<b>29 270.6</b>	<b>29 596.4</b>	<b>34 140.5</b>	<b>39 112.9</b>	<b>44 768.2</b>
10-12 Food products, beverages and tobacco	321.6	384.6	430.4	445.1	451.5	360.7	472.0	555.4
13-15 Textiles, wearing apparel, leather and related products	114.6	99.9	190.4	194.2	199.2	198.3	334.1	379.1
13 Textiles	49.5	64.4	94.4	94.6	90.4	97.0	142.2	136.6
14 Wearing apparel	46.6	15.6	80.1	83.2	97.0	84.4	164.3	205.5
15 Leather and related products, footwear	18.6	19.9	16.0	16.4	11.8	16.9	27.6	36.9
16-18 Wood and paper products and printing	26.6	24.5	49.8	56.2	75.0	80.9	106.4	142.1
16 Wood and wood products, except furniture	3.6	5.0	7.4	7.4	8.1	7.8	18.8	15.3
17 Paper and paper products	19.2	16.3	18.5	22.6	36.8	42.4	55.6	88.9
18 Printing and reproduction of recorded media	3.9	3.2	24.0	26.2	30.1	30.7	31.9	38.0
19-23 Chemical, rubber, plastic, non-metallic mineral products	2 417.7	2 873.9	3 304.1	3 349.6	3 501.1	4 059.5	5 042.5	5 268.4
19 Coke and refined petroleum products	205.4	204.1	196.5	147.5	167.0	274.0	395.4	320.3
20-21 Chemical and pharmaceutical products	1 714.2	2 082.7	2 436.8	2 465.2	2 608.3	2 936.2	3 739.1	3 925.4
20 Chemicals and chemical products	1 270.2	1 491.1	1 660.9	1 657.7	1 769.4	2 059.5	2 729.0	2 693.5
21 Pharmaceuticals, medicinal, chemical and botanical products	444.0	591.6	775.9	807.5	838.9	876.6	1 010.1	1 231.9
22 Rubber and plastic products	339.9	409.9	486.4	554.0	437.3	602.1	631.0	639.5
23 Other non-metallic mineral products	158.3	177.2	184.4	182.9	288.5	247.2	277.1	383.2
24-25 Basic metals, metal products, except machinery and equipment	542.6	591.0	763.7	948.8	1 025.2	970.7	1 346.8	1 454.0
24 Basic metals	414.8	417.7	540.6	651.2	671.3	663.7	721.8	865.5
25 Fabricated metal products, except machinery and equipment	127.8	173.2	223.1	297.5	353.9	307.0	625.0	588.5
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	17 329.6	20 471.1	22 809.4	24 053.9	24 115.2	28 219.1	31 402.7	36 601.0
26 Computer, electronic and optical products	11 753.5	13 786.4	14 415.5	16 114.4	16 302.4	19 604.3	21 873.9	25 444.8
27 Electrical equipment	546.8	691.4	759.8	867.8	935.6	991.3	1 076.2	1 275.8
28 Machinery and equipment n.e.c.	993.3	1 271.4	1 953.2	1 996.0	1 949.1	2 181.9	2 413.7	3 210.5
29 Motor vehicles, trailers and semi-trailers	3 557.3	4 164.2	5 038.9	4 381.6	4 296.3	4 751.7	5 309.3	5 771.0
30 Other transport equipment	478.7	557.8	641.9	694.1	631.8	689.9	729.5	898.8
31-33 Furniture; repair, installation of machinery and equipment	101.6	133.4	190.3	222.9	229.2	251.3	408.6	368.2
31 Furniture	25.5	29.3	38.6	21.7	52.2	52.4	62.7	66.9
32 Other manufacturing	76.2	104.2	151.7	201.2	177.0	198.9	345.9	301.4
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>279.6</b>	<b>281.2</b>	<b>316.2</b>	<b>358.2</b>	<b>356.9</b>	<b>373.4</b>	<b>481.1</b>	<b>513.4</b>
35-36 Electricity, gas and water	278.4	279.0	314.0	329.3	331.8	349.3	444.1	480.4
37-39 Sewerage, waste management and remediation activities	1.2	2.2	2.3	28.9	25.0	24.1	37.0	33.0
<b>41-43 CONSTRUCTION</b>	<b>775.3</b>	<b>493.4</b>	<b>707.7</b>	<b>820.8</b>	<b>1 033.0</b>	<b>885.7</b>	<b>1 063.2</b>	<b>1 165.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>1 611.2</b>	<b>1 945.4</b>	<b>2 241.1</b>	<b>2 607.3</b>	<b>3 227.6</b>	<b>3 518.0</b>	<b>3 955.3</b>	<b>4 454.5</b>
<b>45-82 Business sector services</b>	<b>1 603.5</b>	<b>1 935.9</b>	<b>2 199.0</b>	<b>2 591.1</b>	<b>3 198.5</b>	<b>3 485.8</b>	<b>3 912.0</b>	<b>4 415.8</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>54.1</b>	<b>52.6</b>	<b>105.9</b>	<b>173.0</b>	<b>564.8</b>	<b>640.9</b>	<b>719.9</b>	<b>795.2</b>
<b>49-53 Transportation and storage</b>	<b>66.1</b>	<b>94.1</b>	<b>55.9</b>	<b>70.1</b>	<b>41.7</b>	<b>88.2</b>	<b>144.8</b>	<b>82.3</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.9</b>	<b>3.0</b>	<b>9.8</b>	<b>1.0</b>	<b>7.7</b>	<b>1.4</b>
<b>58-63 Information and communication</b>	<b>1 067.8</b>	<b>1 291.0</b>	<b>1 407.1</b>	<b>1 644.6</b>	<b>1 597.5</b>	<b>1 824.6</b>	<b>1 978.6</b>	<b>2 398.1</b>
58-60 Publishing, audiovisual and broadcasting activities	734.1	893.7	815.6	972.0	1 021.5	1 130.1	1 111.1	1 571.9
58 Publishing activities	715.1	864.4	790.6	945.5	991.2	1 094.2	1 079.0	1 540.0
59-60 Motion picture, video and TV programme production; broadcasting activities	19.0	29.3	25.0	26.5	30.3	35.9	32.0	31.9
59 Motion picture, video and TV programme production; sound and music	2.6	7.6	3.6	6.3	12.9	13.2	15.4	12.8
60 Programming and broadcasting activities	16.4	21.7	21.4	20.2	17.4	22.6	16.7	19.1
61 Telecommunications	222.1	277.1	423.5	482.2	341.8	412.2	402.6	455.8
62-63 IT and other information services	111.6	120.3	168.0	190.4	234.2	282.4	465.0	370.4
62 Computer programming, consultancy and related activities	..	..	..	97.3	116.1	169.5	319.3	248.7
63 Information service activities	..	..	..	93.1	118.0	112.9	145.7	121.7
<b>64-66 Financial and insurance activities</b>	<b>0.0</b>	<b>0.9</b>	<b>0.5</b>	<b>0.1</b>	<b>2.0</b>	<b>1.6</b>	<b>1.2</b>	<b>2.2</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>415.5</b>	<b>497.4</b>	<b>628.8</b>	<b>700.3</b>	<b>982.6</b>	<b>929.6</b>	<b>1 059.8</b>	<b>1 136.7</b>
68 Real estate activities	0.0	0.0	0.6	0.7	30.8	20.9	3.5	1.9
69-75x72 Professional, scientific and technical activities, except scientific R&D	332.0	386.8	496.2	517.1	701.5	633.6	679.3	775.0
72 Scientific research and development	67.4	91.7	98.9	147.3	182.9	202.2	305.3	277.0
77-82 Administrative and support service activities	16.1	18.9	33.1	35.2	67.4	72.9	71.7	82.7
84-99 Community, social and personal services	7.6	9.4	42.1	16.2	29.1	32.2	43.3	38.7
84-85 Public administration and defence; compulsory social security and education	0.0	1.1	6.7	9.9	15.0	15.3	19.2	14.8
86-88 Human health and social work activities	0.2	0.0	10.5	0.0	0.2	0.2	0.3	1.1
90-93 Arts, entertainment and recreation	3.0	3.2	9.6	3.4	4.1	4.1	3.2	3.2
94-99 Other services; household-employers; extraterritorial bodies	4.5	5.1	15.4	2.8	9.7	12.6	20.6	19.6

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# KOREA

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>23 531.2</b>	<b>26 817.8</b>	<b>29 676.2</b>	<b>31 416.9</b>	<b>32 905.7</b>	<b>36 986.7</b>	<b>42 401.6</b>	<b>47 543.4</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>10.8</b>	<b>15.2</b>	<b>14.8</b>	<b>24.8</b>	<b>23.9</b>	<b>29.3</b>	<b>40.2</b>	<b>29.3</b>
<b>05-09 MINING AND QUARRYING</b>	<b>0.0</b>	<b>0.0</b>	<b>8.1</b>	<b>7.4</b>	<b>16.8</b>	<b>21.2</b>	<b>24.3</b>	<b>38.6</b>
<b>10-33 MANUFACTURING</b>	<b>20 854.4</b>	<b>24 132.1</b>	<b>26 530.4</b>	<b>27 789.9</b>	<b>28 429.6</b>	<b>32 402.3</b>	<b>37 118.1</b>	<b>41 754.9</b>
10-12 Food products, beverages and tobacco	321.6	377.6	411.7	422.5	433.7	342.4	447.9	518.0
13-15 Textiles, wearing apparel, leather and related products	114.6	98.1	182.1	184.4	191.3	188.2	317.0	353.6
13 Textiles	49.5	63.3	90.3	89.8	86.9	92.1	134.9	127.4
14 Wearing apparel	46.6	15.3	76.6	79.0	93.2	80.1	155.9	191.7
15 Leather and related products, footwear	18.6	19.5	15.3	15.6	11.3	16.1	26.2	34.5
16-18 Wood and paper products and printing	26.6	24.1	47.7	53.4	72.0	76.7	100.9	132.6
16 Wood and wood products, except furniture	3.6	4.9	7.0	7.0	7.7	7.4	17.8	14.2
17 Paper and paper products	19.2	16.0	17.7	21.5	35.4	40.2	52.8	82.9
18 Printing and reproduction of recorded media	3.9	3.1	23.0	24.9	28.9	29.2	30.3	35.5
19-23 Chemical, rubber, plastic, non-metallic mineral products	2 417.7	2 821.7	3 160.2	3 180.1	3 363.1	3 852.8	4 785.3	4 913.8
19 Coke and refined petroleum products	205.4	200.4	187.9	140.0	160.4	260.1	375.2	298.8
20-21 Chemical and pharmaceutical products	1 714.2	2 044.9	2 330.7	2 340.5	2 505.4	2 786.7	3 548.4	3 661.2
20 Chemicals and chemical products	1 270.2	1 464.1	1 588.6	1 573.8	1 699.6	1 954.7	2 589.8	2 512.2
21 Pharmaceuticals, medicinal, chemical and botanical products	444.0	580.9	742.1	766.7	805.8	832.0	958.6	1 149.0
22 Rubber and plastic products	339.9	402.4	465.2	526.0	420.1	571.4	598.8	596.4
23 Other non-metallic mineral products	158.3	174.0	176.4	173.7	277.1	234.6	263.0	357.4
24-25 Basic metals, metal products, except machinery and equipment	542.6	580.2	730.5	900.8	984.8	921.3	1 278.1	1 356.1
24 Basic metals	414.8	410.2	517.1	618.3	644.8	629.9	685.0	807.2
25 Fabricated metal products, except machinery and equipment	127.8	170.1	213.4	282.5	340.0	291.4	593.1	548.9
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	17 329.6	20 099.4	21 816.2	22 837.1	23 164.4	26 782.3	29 801.0	34 137.4
26 Computer, electronic and optical products	11 753.5	13 536.1	13 787.8	15 299.2	15 659.7	18 606.1	20 758.3	23 732.2
27 Electrical equipment	546.8	678.8	726.7	823.9	898.7	940.8	1 021.3	1 189.9
28 Machinery and equipment n.e.c.	993.3	1 248.3	1 868.2	1 895.0	1 872.2	2 070.8	2 290.6	2 994.4
29 Motor vehicles, trailers and semi-trailers	3 557.3	4 088.6	4 819.5	4 159.9	4 127.0	4 509.8	5 038.6	5 382.6
30 Other transport equipment	478.7	547.7	614.0	659.0	606.9	654.8	692.3	838.3
31-33 Furniture; repair, installation of machinery and equipment	101.6	131.0	182.0	211.6	220.2	238.5	387.7	343.4
31 Furniture	25.5	28.7	36.9	20.6	50.2	49.8	59.5	62.4
32 Other manufacturing	76.2	102.3	145.1	191.0	170.0	188.8	328.2	281.1
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>279.6</b>	<b>276.1</b>	<b>302.4</b>	<b>340.1</b>	<b>342.8</b>	<b>354.4</b>	<b>456.5</b>	<b>478.8</b>
35-36 Electricity, gas and water	278.4	273.9	300.3	312.7	318.8	331.5	421.4	448.1
37-39 Sewerage, waste management and remediation activities	1.2	2.1	2.2	27.4	24.0	22.9	35.1	30.7
<b>41-43 CONSTRUCTION</b>	<b>775.3</b>	<b>484.4</b>	<b>676.9</b>	<b>779.3</b>	<b>992.3</b>	<b>840.6</b>	<b>1 008.9</b>	<b>1 087.1</b>
<b>45-99 TOTAL SERVICES</b>	<b>1 611.2</b>	<b>1 910.1</b>	<b>2 143.5</b>	<b>2 475.4</b>	<b>3 100.3</b>	<b>3 338.9</b>	<b>3 753.6</b>	<b>4 154.7</b>
<b>45-82 Business sector services</b>	<b>1 603.5</b>	<b>1 900.8</b>	<b>2 103.2</b>	<b>2 460.1</b>	<b>3 072.4</b>	<b>3 308.3</b>	<b>3 712.5</b>	<b>4 118.6</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>54.1</b>	<b>51.6</b>	<b>101.3</b>	<b>164.2</b>	<b>542.6</b>	<b>608.3</b>	<b>683.2</b>	<b>741.7</b>
<b>49-53 Transportation and storage</b>	<b>66.1</b>	<b>92.3</b>	<b>53.4</b>	<b>66.6</b>	<b>40.1</b>	<b>83.7</b>	<b>137.4</b>	<b>76.8</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.9</b>	<b>2.9</b>	<b>9.4</b>	<b>0.9</b>	<b>7.4</b>	<b>1.3</b>
<b>58-63 Information and communication</b>	<b>1 067.8</b>	<b>1 267.6</b>	<b>1 345.8</b>	<b>1 561.4</b>	<b>1 534.5</b>	<b>1 731.7</b>	<b>1 877.7</b>	<b>2 236.7</b>
58-60 Publishing, audiovisual and broadcasting activities	734.1	877.4	780.1	922.8	981.2	1 072.5	1 054.4	1 466.1
58 Publishing activities	715.1	848.7	756.2	897.6	952.1	1 038.5	1 024.0	1 436.4
59-60 Motion picture, video and TV programme production; broadcasting activities	19.0	28.8	23.9	25.2	29.1	34.0	30.4	29.7
59 Motion picture, video and TV programme production; sound and music	2.6	7.5	3.4	6.0	12.4	12.5	14.6	11.9
60 Programming and broadcasting activities	16.4	21.3	20.5	19.2	16.7	21.5	15.8	17.8
61 Telecommunications	222.1	272.0	405.0	457.9	328.3	391.2	382.0	425.1
62-63 IT and other information services	111.6	118.1	160.7	180.8	224.9	268.0	441.3	345.5
62 Computer programming, consultancy and related activities	..	..	..	92.3	111.5	160.8	303.0	232.0
63 Information service activities	..	..	..	88.4	113.4	107.2	138.3	113.5
<b>64-66 Financial and insurance activities</b>	<b>0.0</b>	<b>0.9</b>	<b>0.5</b>	<b>0.1</b>	<b>2.0</b>	<b>1.5</b>	<b>1.1</b>	<b>2.0</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>415.5</b>	<b>488.4</b>	<b>601.4</b>	<b>664.8</b>	<b>943.8</b>	<b>882.3</b>	<b>1 005.7</b>	<b>1 060.2</b>
68 Real estate activities	0.0	0.0	0.5	0.6	29.6	19.9	3.3	1.8
69-75x72 Professional, scientific and technical activities, except scientific R&D	332.0	379.8	474.6	490.9	673.8	601.3	644.7	722.9
72 Scientific research and development	67.4	90.1	94.6	139.8	175.7	191.9	289.7	258.4
77-82 Administrative and support service activities	16.1	18.5	31.7	33.4	64.8	69.2	68.0	77.1
84-99 Community, social and personal services	7.6	9.3	40.2	15.4	27.9	30.6	41.1	36.1
84-85 Public administration and defence; compulsory social security and education	0.0	1.1	6.4	9.4	14.4	14.5	18.2	13.8
86-88 Human health and social work activities	0.2	0.0	10.0	0.0	0.2	0.2	0.2	1.0
90-93 Arts, entertainment and recreation	3.0	3.2	9.2	3.3	3.9	3.9	3.1	3.0
94-99 Other services; household-employers; extraterritorial bodies	4.5	5.0	14.7	2.7	9.3	12.0	19.6	18.3

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# MEXICO

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>2 510.0</b>	<b>2 675.0</b>	<b>2 707.8</b>	<b>2 547.4</b>	<b>2 873.1</b>	<b>3 029.0</b>	<b>3 143.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>5.1</b>	<b>18.6</b>	<b>0.0</b>	<b>0.0</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>10.8</b>	<b>16.6</b>	<b>16.2</b>	<b>80.5</b>	<b>93.7</b>	<b>33.7</b>	<b>46.9</b>	..
<b>10-33 MANUFACTURING</b>	<b>2 029.3</b>	<b>1 797.6</b>	<b>1 876.2</b>	<b>1 964.5</b>	<b>2 126.2</b>	<b>1 620.1</b>	<b>1 843.9</b>	..
10-12 Food products, beverages and tobacco	389.5	283.8	296.1	182.5	256.0	138.5	159.5	..
13-15 Textiles, wearing apparel, leather and related products	127.7	138.2	127.7	32.5	110.0	38.3	38.4	..
13 Textiles	39.5	76.7	63.6	26.8	99.1	18.3	20.8	..
14 Wearing apparel	58.2	50.1	53.8	0.7	1.3	1.6	0.0	..
15 Leather and related products, footwear	30.0	11.4	10.2	5.0	9.6	18.3	17.6	..
16-18 Wood and paper products and printing	33.9	15.2	19.9	49.4	31.3	20.1	20.5	..
16 Wood and wood products, except furniture	6.5	1.7	0.9	3.5	2.7	4.5	4.5	..
17 Paper and paper products	4.9	6.6	9.5	45.7	27.1	15.0	15.9	..
18 Printing and reproduction of recorded media	22.5	6.9	9.5	0.3	1.5	0.6	0.2	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	780.9	494.6	564.2	570.1	497.6	632.1	733.0	..
19 Coke and refined petroleum products	5.8	62.6	62.5	9.3	9.3	9.4	12.5	..
20-21 Chemical and pharmaceutical products	454.5	314.5	372.4	470.5	419.4	570.4	665.1	..
20 Chemicals and chemical products	237.7	182.8	213.5	288.7	222.8	106.9	126.6	..
21 Pharmaceuticals, medicinal, chemical and botanical products	216.8	131.7	158.9	181.8	196.6	463.5	538.5	..
22 Rubber and plastic products	204.9	61.9	70.3	16.6	37.9	28.3	36.1	..
23 Other non-metallic mineral products	115.6	55.6	59.0	73.7	31.1	23.9	19.5	..
24-25 Basic metals, metal products, except machinery and equipment	204.8	350.4	371.3	359.2	288.3	249.3	256.8	..
24 Basic metals	38.1	163.2	177.4	194.5	155.5	66.7	97.3	..
25 Fabricated metal products, except machinery and equipment	166.7	187.1	193.9	164.7	132.8	182.5	159.4	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	483.7	507.2	488.6	762.9	937.4	541.2	634.1	..
26 Computer, electronic and optical products	73.0	60.8	65.8	54.6	61.6	24.2	27.6	..
27 Electrical equipment	81.3	114.3	86.8	181.1	218.0	175.2	197.1	..
28 Machinery and equipment n.e.c.	86.8	61.3	61.2	93.3	164.0	72.1	62.9	..
29 Motor vehicles, trailers and semi-trailers	237.6	266.1	269.5	421.7	473.3	252.9	321.3	..
30 Other transport equipment	5.0	4.7	5.4	12.2	20.5	16.9	25.3	..
31-33 Furniture; repair, installation of machinery and equipment	8.8	8.3	8.4	7.8	5.4	0.6	1.5	..
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	..	..	..	..	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>11.8</b>	<b>12.0</b>	<b>12.1</b>	<b>13.0</b>	<b>13.5</b>	<b>0.0</b>	<b>0.0</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>0.3</b>	<b>6.8</b>	<b>5.5</b>	<b>6.4</b>	<b>8.7</b>	<b>96.6</b>	<b>1.4</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>457.5</b>	<b>842.0</b>	<b>797.7</b>	<b>478.1</b>	<b>612.4</b>	<b>1 278.6</b>	<b>1 251.5</b>	..
<b>45-82 Business sector services</b>	<b>231.3</b>	<b>210.4</b>	<b>212.3</b>	<b>148.9</b>	<b>199.4</b>	<b>949.2</b>	<b>891.4</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>49-53 Transportation and storage</b>	<b>2.6</b>	<b>0.4</b>	<b>0.5</b>	<b>13.5</b>	<b>17.1</b>	<b>11.0</b>	<b>1.5</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>0.0</b>	<b>0.5</b>	<b>0.5</b>	..
<b>58-63 Information and communication</b>	<b>77.9</b>	<b>58.9</b>	<b>58.4</b>	<b>36.8</b>	<b>67.8</b>	<b>421.1</b>	<b>415.7</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	..	..	..	..	..	..	..	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	<b>89.6</b>	<b>112.7</b>	<b>111.6</b>	<b>34.9</b>	<b>51.2</b>	<b>126.3</b>	<b>133.9</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>61.2</b>	<b>38.4</b>	<b>41.8</b>	<b>63.1</b>	<b>63.3</b>	<b>390.3</b>	<b>339.8</b>	..
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	59.6	36.2	40.2	63.1	63.3	388.3	334.2	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
84-99 Community, social and personal services	226.3	631.6	585.4	329.2	413.0	329.4	360.1	..
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	..	..	..	..	..	..	..	..

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# MEXICO

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>2 510.0</b>	<b>2 520.0</b>	<b>2 484.9</b>	<b>2 226.5</b>	<b>2 404.1</b>	<b>2 504.2</b>	<b>2 459.2</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>4.4</b>	<b>15.6</b>	<b>0.0</b>	<b>0.0</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>10.8</b>	<b>15.6</b>	<b>14.9</b>	<b>70.3</b>	<b>78.4</b>	<b>27.9</b>	<b>36.7</b>	..
<b>10-33 MANUFACTURING</b>	<b>2 029.3</b>	<b>1 693.4</b>	<b>1 721.8</b>	<b>1 717.0</b>	<b>1 779.1</b>	<b>1 339.4</b>	<b>1 442.4</b>	..
10-12 Food products, beverages and tobacco	389.5	267.4	271.7	159.5	214.2	114.5	124.8	..
13-15 Textiles, wearing apparel, leather and related products	127.7	130.2	117.2	28.4	92.1	31.7	30.0	..
13 Textiles	39.5	72.2	58.4	23.4	83.0	15.2	16.3	..
14 Wearing apparel	58.2	47.2	49.4	0.6	1.1	1.4	0.0	..
15 Leather and related products, footwear	30.0	10.8	9.4	4.4	8.0	15.2	13.8	..
16-18 Wood and paper products and printing	33.9	14.3	18.3	43.2	26.2	16.6	16.1	..
16 Wood and wood products, except furniture	6.5	1.6	0.8	3.0	2.3	3.7	3.5	..
17 Paper and paper products	4.9	6.2	8.7	39.9	22.7	12.4	12.4	..
18 Printing and reproduction of recorded media	22.5	6.5	8.7	0.2	1.3	0.5	0.2	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	780.9	466.0	517.7	498.3	416.4	522.6	573.4	..
19 Coke and refined petroleum products	5.8	59.0	57.3	8.1	7.8	7.8	9.8	..
20-21 Chemical and pharmaceutical products	454.5	296.2	341.7	411.2	350.9	471.6	520.2	..
20 Chemicals and chemical products	237.7	172.2	195.9	252.3	186.4	88.4	99.0	..
21 Pharmaceuticals, medicinal, chemical and botanical products	216.8	124.0	145.8	158.9	164.5	383.2	421.3	..
22 Rubber and plastic products	204.9	58.3	64.6	14.5	31.7	23.4	28.2	..
23 Other non-metallic mineral products	115.6	52.4	54.1	64.4	26.0	19.8	15.2	..
24-25 Basic metals, metal products, except machinery and equipment	204.8	330.1	340.8	313.9	241.2	206.1	200.8	..
24 Basic metals	38.1	153.8	162.8	170.0	130.1	55.2	76.1	..
25 Fabricated metal products, except machinery and equipment	166.7	176.3	178.0	143.9	111.1	150.9	124.7	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	483.7	477.8	448.4	666.8	784.4	447.4	496.0	..
26 Computer, electronic and optical products	73.0	57.2	60.4	47.8	51.5	20.0	21.6	..
27 Electrical equipment	81.3	107.7	79.6	158.3	182.4	144.8	154.2	..
28 Machinery and equipment n.e.c.	86.8	57.7	56.2	81.5	137.2	59.6	49.2	..
29 Motor vehicles, trailers and semi-trailers	237.6	250.7	247.3	368.6	396.1	209.1	251.3	..
30 Other transport equipment	5.0	4.4	4.9	10.6	17.1	14.0	19.8	..
31-33 Furniture; repair, installation of machinery and equipment	8.8	7.8	7.7	6.9	4.5	0.5	1.2	..
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	..	..	..	..	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>11.8</b>	<b>11.3</b>	<b>11.1</b>	<b>11.3</b>	<b>11.3</b>	<b>0.0</b>	<b>0.0</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>0.3</b>	<b>6.5</b>	<b>5.1</b>	<b>5.6</b>	<b>7.3</b>	<b>79.9</b>	<b>1.1</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>457.5</b>	<b>793.2</b>	<b>732.0</b>	<b>417.8</b>	<b>512.5</b>	<b>1 057.1</b>	<b>979.0</b>	..
<b>45-82 Business sector services</b>	<b>231.3</b>	<b>198.2</b>	<b>194.9</b>	<b>130.1</b>	<b>166.9</b>	<b>784.8</b>	<b>697.3</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>49-53 Transportation and storage</b>	<b>2.6</b>	<b>0.4</b>	<b>0.5</b>	<b>11.8</b>	<b>14.3</b>	<b>9.1</b>	<b>1.2</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>0.0</b>	<b>0.4</b>	<b>0.4</b>	..
<b>58-63 Information and communication</b>	<b>77.9</b>	<b>55.5</b>	<b>53.6</b>	<b>32.1</b>	<b>56.7</b>	<b>348.2</b>	<b>325.2</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	..	..	..	..	..	..	..	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	<b>89.6</b>	<b>106.2</b>	<b>102.4</b>	<b>30.5</b>	<b>42.8</b>	<b>104.4</b>	<b>104.7</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>61.2</b>	<b>36.1</b>	<b>38.4</b>	<b>55.1</b>	<b>53.0</b>	<b>322.7</b>	<b>265.8</b>	..
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	59.6	34.1	36.9	55.1	53.0	321.0	261.5	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
84-99 Community, social and personal services	226.3	595.0	537.2	287.7	345.6	272.3	281.7	..
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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# NETHERLANDS

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	<b>6 248.2</b>	<b>5 845.7</b>	<b>6 143.4</b>	<b>8 206.9</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	<b>76.0</b>	<b>78.7</b>	<b>96.5</b>	<b>207.1</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	..	<b>11.2</b>	..
<b>10-33 MANUFACTURING</b>	..	..	..	<b>4 461.4</b>	<b>4 241.1</b>	<b>4 169.0</b>	<b>4 771.5</b>	..
10-12 Food products, beverages and tobacco	..	..	..	296.8	329.3	389.7	470.0	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	16.6	15.5	15.3	14.4	..
13 Textiles	..	..	..	14.2	13.1	13.0	13.2	..
14 Wearing apparel	..	..	..	0.0	0.0	0.0	0.5	..
15 Leather and related products, footwear	..	..	..	2.4	2.4	1.2	0.7	..
16-18 Wood and paper products and printing	..	..	..	34.4	35.8	24.7	29.0	..
16 Wood and wood products, except furniture	..	..	..	2.4	1.2	4.7	2.3	..
17 Paper and paper products	..	..	..	27.3	28.6	17.7	10.5	..
18 Printing and reproduction of recorded media	..	..	..	4.7	6.0	2.4	16.1	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	1 612.2	1 556.9	1 335.1	1 369.5	..
19 Coke and refined petroleum products	..	..	..	17.8	3.6	16.5	138.0	..
20-21 Chemical and pharmaceutical products	..	..	..	1 523.2	1 481.7	1 256.2	1 086.7	..
20 Chemicals and chemical products	..	..	..	992.5	995.0	806.5	666.2	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	530.7	486.7	449.7	420.5	..
22 Rubber and plastic products	..	..	..	47.5	48.9	43.6	114.9	..
23 Other non-metallic mineral products	..	..	..	23.7	22.7	18.8	29.9	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	157.5	146.9	164.8	188.6	..
24 Basic metals	..	..	..	78.0	71.7	84.8	95.6	..
25 Fabricated metal products, except machinery and equipment	..	..	..	79.5	75.2	80.1	93.0	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	2 070.5	1 867.0	2 180.4	2 540.9	..
26 Computer, electronic and optical products	..	..	..	509.3	474.8	660.5	692.8	..
27 Electrical equipment	..	..	..	682.6	664.5	503.9	578.4	..
28 Machinery and equipment n.e.c.	..	..	..	750.3	614.4	858.3	981.0	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	86.7	74.0	83.6	171.0	..
30 Other transport equipment	..	..	..	41.6	40.6	73.0	117.7	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	273.4	289.7	58.9	159.1	..
31 Furniture	..	..	..	13.1	11.9	11.8	104.8	..
32 Other manufacturing	..	..	..	239.8	258.9	24.7	26.4	..
33 Repair and installation of machinery and equipment	..	..	..	20.6	18.9	22.4	27.9	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	..	..	..	<b>50.6</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	27.7	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	22.9	..
<b>41-43 CONSTRUCTION</b>	..	..	..	<b>27.3</b>	<b>39.4</b>	<b>63.6</b>	<b>121.1</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	..	..	..	<b>3 045.4</b>	..
<b>45-82 Business sector services</b>	..	..	..	<b>1 549.3</b>	<b>1 356.4</b>	<b>1 746.0</b>	<b>3 031.5</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	<b>224.4</b>	<b>220.7</b>	<b>394.4</b>	<b>461.7</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	<b>23.7</b>	<b>46.5</b>	<b>20.0</b>	<b>159.2</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>19.3</b>	..
<b>58-63 Information and communication</b>	..	..	..	<b>372.8</b>	<b>417.5</b>	<b>677.0</b>	<b>934.0</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	29.7	26.2	7.1	28.6	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	19.0	19.1	61.2	75.5	..
62-63 IT and other information services	..	..	..	324.1	372.2	609.9	829.9	..
62 Computer programming, consultancy and related activities	..	..	..	322.9	372.2	585.1	757.1	..
63 Information service activities	..	..	..	1.2	0.0	24.7	72.8	..
<b>64-66 Financial and insurance activities</b>	..	..	..	<b>301.5</b>	<b>23.9</b>	<b>29.4</b>	<b>127.8</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	<b>626.8</b>	<b>647.8</b>	<b>624.0</b>	<b>1 329.4</b>	..
68 Real estate activities	..	..	..	22.6	0.0	0.0	8.2	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	229.1	176.6	273.1	744.2	..
72 Scientific research and development	..	..	..	364.5	445.0	332.0	460.3	..
77-82 Administrative and support service activities	..	..	..	10.7	26.2	18.8	116.7	..
84-99 Community, social and personal services	..	..	..	..	..	..	13.9	..
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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# NETHERLANDS

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	<b>5 548.0</b>	<b>5 160.3</b>	<b>5 450.3</b>	<b>7 049.6</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	<b>67.5</b>	<b>69.5</b>	<b>85.7</b>	<b>177.9</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	..	<b>9.6</b>	..
<b>10-33 MANUFACTURING</b>	..	..	..	<b>3 961.5</b>	<b>3 743.9</b>	<b>3 698.7</b>	<b>4 098.6</b>	..
10-12 Food products, beverages and tobacco	..	..	..	263.5	290.7	345.7	403.7	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	14.8	13.7	13.6	12.4	..
13 Textiles	..	..	..	12.6	11.6	11.5	11.3	..
14 Wearing apparel	..	..	..	0.0	0.0	0.0	0.5	..
15 Leather and related products, footwear	..	..	..	2.1	2.1	1.0	0.6	..
16-18 Wood and paper products and printing	..	..	..	30.6	31.6	21.9	24.9	..
16 Wood and wood products, except furniture	..	..	..	2.1	1.1	4.2	2.0	..
17 Paper and paper products	..	..	..	24.2	25.3	15.7	9.1	..
18 Printing and reproduction of recorded media	..	..	..	4.2	5.3	2.1	13.8	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	1 431.5	1 374.3	1 184.5	1 176.4	..
19 Coke and refined petroleum products	..	..	..	15.8	3.2	14.6	118.5	..
20-21 Chemical and pharmaceutical products	..	..	..	1 352.5	1 308.0	1 114.5	933.5	..
20 Chemicals and chemical products	..	..	..	881.3	878.3	715.5	572.3	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	471.2	429.7	399.0	361.2	..
22 Rubber and plastic products	..	..	..	42.2	43.2	38.6	98.7	..
23 Other non-metallic mineral products	..	..	..	21.1	20.0	16.7	25.7	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	139.9	129.7	146.2	162.0	..
24 Basic metals	..	..	..	69.2	63.3	75.2	82.1	..
25 Fabricated metal products, except machinery and equipment	..	..	..	70.6	66.3	71.0	79.9	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	1 838.4	1 648.1	1 934.5	2 182.6	..
26 Computer, electronic and optical products	..	..	..	452.2	419.1	586.0	595.1	..
27 Electrical equipment	..	..	..	606.1	586.6	447.1	496.8	..
28 Machinery and equipment n.e.c.	..	..	..	666.2	542.4	761.5	842.6	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	77.0	65.3	74.2	146.8	..
30 Other transport equipment	..	..	..	36.9	35.8	64.8	101.1	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	242.8	255.8	52.2	136.7	..
31 Furniture	..	..	..	11.6	10.5	10.4	90.0	..
32 Other manufacturing	..	..	..	212.9	228.5	21.9	22.7	..
33 Repair and installation of machinery and equipment	..	..	..	18.3	16.7	19.8	23.9	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	..	..	..	<b>43.5</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	23.8	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	19.7	..
<b>41-43 CONSTRUCTION</b>	..	..	..	<b>24.2</b>	<b>34.8</b>	<b>56.4</b>	<b>104.1</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	..	..	..	<b>2 615.9</b>	..
<b>45-82 Business sector services</b>	..	..	..	<b>1 375.7</b>	<b>1 197.4</b>	<b>1 549.0</b>	<b>2 604.0</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	<b>199.2</b>	<b>194.8</b>	<b>349.9</b>	<b>396.6</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	<b>21.1</b>	<b>41.1</b>	<b>17.8</b>	<b>136.8</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>16.6</b>	..
<b>58-63 Information and communication</b>	..	..	..	<b>331.0</b>	<b>368.6</b>	<b>600.6</b>	<b>802.3</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	26.4	23.2	6.3	24.6	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	16.9	16.9	54.3	64.8	..
62-63 IT and other information services	..	..	..	287.8	328.6	541.1	712.9	..
62 Computer programming, consultancy and related activities	..	..	..	286.7	328.6	519.1	650.4	..
63 Information service activities	..	..	..	1.1	0.0	21.9	62.5	..
<b>64-66 Financial and insurance activities</b>	..	..	..	<b>267.8</b>	<b>21.1</b>	<b>26.1</b>	<b>109.8</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	<b>556.6</b>	<b>571.8</b>	<b>553.6</b>	<b>1 141.9</b>	..
68 Real estate activities	..	..	..	20.0	0.0	0.0	7.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	203.5	155.9	242.3	639.3	..
72 Scientific research and development	..	..	..	323.6	392.8	294.6	395.4	..
77-82 Administrative and support service activities	..	..	..	9.5	23.2	16.7	100.2	..
84-99 Community, social and personal services	..	..	..	..	..	..	12.0	..
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	..	..	..	..	..	..	..	..

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# NEW ZEALAND

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>495.1</b>	<b>..</b>	<b>612.1</b>	<b>..</b>	<b>696.2</b>	<b>..</b>	<b>802.9</b>	<b>..</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>33.7</b>	<b>..</b>	<b>47.7</b>	<b>..</b>	<b>50.0</b>	<b>..</b>	<b>84.1</b>	<b>..</b>
<b>05-09 MINING AND QUARRYING</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>10-33 MANUFACTURING</b>	<b>259.2</b>	<b>..</b>	<b>293.1</b>	<b>..</b>	<b>314.5</b>	<b>..</b>	<b>360.7</b>	<b>..</b>
10-12 Food products, beverages and tobacco	61.2	..	67.6	..	55.5	..	76.7	..
13-15 Textiles, wearing apparel, leather and related products	16.9	..	4.6	..	5.5	..	4.7	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	..	..	..	..
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	54.2	..	68.3	..	51.4	..	51.1	..
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	..	..	..	..
20 Chemicals and chemical products	..	..	..	..	..	..	..	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	..	..	..	..
22 Rubber and plastic products	..	..	..	..	..	..	..	..
23 Other non-metallic mineral products	2.1	..	2.7	..	2.1	..	2.7	..
24-25 Basic metals, metal products, except machinery and equipment	10.6	..	12.6	..	22.6	..	20.9	..
24 Basic metals	..	..	..	..	..	..	..	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	..	..	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	98.0	..	116.7	..	148.7	..	177.7	..
26 Computer, electronic and optical products	..	..	..	..	..	..	..	..
27 Electrical equipment	..	..	..	..	..	..	..	..
28 Machinery and equipment n.e.c.	..	..	..	..	..	..	..	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	..	..	..
30 Other transport equipment	..	..	..	..	..	..	..	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	..	..	..	..
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	..	..	..	..	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>45-99 TOTAL SERVICES</b>	<b>202.0</b>	<b>..</b>	<b>271.2</b>	<b>..</b>	<b>331.7</b>	<b>..</b>	<b>358.0</b>	<b>..</b>
<b>45-82 Business sector services</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>35.6</b>	<b>..</b>	<b>40.5</b>	<b>..</b>	<b>38.4</b>	<b>..</b>	<b>59.9</b>	<b>..</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	68.3	..	108.1	..	137.0	..	148.7	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	36.7	..	38.5	..	34.9	..	34.3	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
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/anberd2014/20141023/213e>.

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# NEW ZEALAND

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>495.1</b>	<b>..</b>	<b>555.9</b>	<b>..</b>	<b>591.7</b>	<b>..</b>	<b>653.2</b>	<b>..</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>33.7</b>	<b>..</b>	<b>43.4</b>	<b>..</b>	<b>42.5</b>	<b>..</b>	<b>68.4</b>	<b>..</b>
<b>05-09 MINING AND QUARRYING</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>10-33 MANUFACTURING</b>	<b>259.2</b>	<b>..</b>	<b>266.2</b>	<b>..</b>	<b>267.3</b>	<b>..</b>	<b>293.5</b>	<b>..</b>
10-12 Food products, beverages and tobacco	61.2	..	61.4	..	47.2	..	62.4	..
13-15 Textiles, wearing apparel, leather and related products	16.9	..	4.2	..	4.7	..	3.8	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	..	..	..	..
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	54.2	..	62.0	..	43.7	..	41.6	..
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	..	..	..	..
20 Chemicals and chemical products	..	..	..	..	..	..	..	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	..	..	..	..
22 Rubber and plastic products	..	..	..	..	..	..	..	..
23 Other non-metallic mineral products	2.1	..	2.4	..	1.7	..	2.2	..
24-25 Basic metals, metal products, except machinery and equipment	10.6	..	11.4	..	19.2	..	17.0	..
24 Basic metals	..	..	..	..	..	..	..	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	..	..	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	98.0	..	106.0	..	126.4	..	144.5	..
26 Computer, electronic and optical products	..	..	..	..	..	..	..	..
27 Electrical equipment	..	..	..	..	..	..	..	..
28 Machinery and equipment n.e.c.	..	..	..	..	..	..	..	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	..	..	..
30 Other transport equipment	..	..	..	..	..	..	..	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	..	..	..	..
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	..	..	..	..	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>45-99 TOTAL SERVICES</b>	<b>202.0</b>	<b>..</b>	<b>246.3</b>	<b>..</b>	<b>281.9</b>	<b>..</b>	<b>291.3</b>	<b>..</b>
<b>45-82 Business sector services</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>35.6</b>	<b>..</b>	<b>36.7</b>	<b>..</b>	<b>32.6</b>	<b>..</b>	<b>48.7</b>	<b>..</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	68.3	..	98.2	..	116.5	..	121.0	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	36.7	..	34.9	..	29.7	..	27.9	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
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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# NORWAY

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>1 774.0</b>	<b>1 985.1</b>	<b>2 199.5</b>	<b>2 462.2</b>	<b>2 421.2</b>	<b>2 431.1</b>	<b>2 642.5</b>	<b>2 865.8</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>42.9</b>	<b>44.3</b>	<b>51.7</b>	<b>77.9</b>	<b>81.0</b>	<b>84.6</b>	<b>83.0</b>	<b>95.3</b>
<b>05-09 MINING AND QUARRYING</b>	<b>151.2</b>	<b>166.8</b>	<b>214.6</b>	<b>222.5</b>	<b>226.6</b>	<b>232.4</b>	<b>228.9</b>	<b>289.2</b>
<b>10-33 MANUFACTURING</b>	<b>791.9</b>	<b>889.9</b>	<b>957.7</b>	<b>1 030.4</b>	<b>978.3</b>	<b>877.0</b>	<b>979.6</b>	<b>1 031.9</b>
10-12 Food products, beverages and tobacco	82.7	84.9	88.6	104.0	106.2	91.4	91.8	98.8
13-15 Textiles, wearing apparel, leather and related products	9.7	10.1	8.4	9.6	11.6	9.0	13.7	10.1
13 Textiles	6.9	7.7	4.8	5.3	6.3	5.1	8.0	6.7
14 Wearing apparel	2.1	2.1	3.3	3.7	..	..	..	..
15 Leather and related products, footwear	0.8	0.4	0.3	0.6	..	..	..	..
16-18 Wood and paper products and printing	33.6	36.6	32.6	33.9	38.5	37.5	37.6	41.2
16 Wood and wood products, except furniture	11.9	12.1	11.5	9.6	13.1	16.0	10.0	19.9
17 Paper and paper products	19.4	21.0	18.1	19.2	20.5	17.8	24.8	17.8
18 Printing and reproduction of recorded media	2.3	3.5	3.1	5.1	5.0	3.7	2.8	3.5
19-23 Chemical, rubber, plastic, non-metallic mineral products	180.8	189.4	197.2	219.2	208.5	193.1	221.3	193.1
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	..	..	..	..
20 Chemicals and chemical products	..	..	..	..	..	..	..	..
21 Pharmaceuticals, medicinal, chemical and botanical products	55.1	67.0	58.4	58.1	52.9	56.1	81.9	46.7
22 Rubber and plastic products	13.4	12.3	11.1	12.1	9.2	13.0	11.5	16.1
23 Other non-metallic mineral products	13.5	14.0	13.3	12.0	11.0	12.0	15.2	14.7
24-25 Basic metals, metal products, except machinery and equipment	101.1	102.0	111.8	113.1	119.1	130.0	141.7	170.3
24 Basic metals	45.3	47.0	48.6	47.8	41.2	38.9	28.5	38.2
25 Fabricated metal products, except machinery and equipment	55.8	55.0	63.2	65.3	77.9	91.1	113.2	132.2
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	344.9	423.0	471.7	499.9	444.2	367.9	414.3	458.7
26 Computer, electronic and optical products	181.4	181.2	209.3	216.7	214.5	173.7	190.9	193.9
27 Electrical equipment	22.2	24.7	47.5	43.4	46.1	40.5	42.8	48.5
28 Machinery and equipment n.e.c.	52.2	85.8	104.2	121.9	90.5	86.0	103.7	118.5
29 Motor vehicles, trailers and semi-trailers	36.6	52.0	55.9	51.6	35.7	19.6	29.3	31.9
30 Other transport equipment	52.7	79.3	54.8	66.2	57.5	48.2	47.6	65.9
31-33 Furniture; repair, installation of machinery and equipment	39.0	43.9	47.2	50.8	50.1	48.0	59.4	59.6
31 Furniture	..	..	..	10.3	11.5	13.9	13.5	15.6
32 Other manufacturing	..	..	..	19.7	18.4	17.9	28.3	22.0
33 Repair and installation of machinery and equipment	..	..	..	20.9	20.2	16.2	17.5	22.0
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>26.7</b>	<b>25.8</b>	<b>28.2</b>	<b>37.3</b>	<b>45.5</b>	<b>50.5</b>	<b>52.4</b>	<b>57.7</b>
35-36 Electricity, gas and water	..	..	..	33.6	42.7	42.3	46.4	48.2
37-39 Sewerage, waste management and remediation activities	..	..	..	3.7	2.8	8.2	6.0	9.5
<b>41-43 CONSTRUCTION</b>	<b>52.8</b>	<b>63.4</b>	<b>47.2</b>	<b>65.3</b>	<b>59.8</b>	<b>74.3</b>	<b>64.5</b>	<b>84.8</b>
<b>45-99 TOTAL SERVICES</b>	<b>708.5</b>	<b>795.0</b>	<b>900.0</b>	<b>1 028.7</b>	<b>1 030.1</b>	<b>1 112.3</b>	<b>1 234.1</b>	<b>1 307.0</b>
<b>45-82 Business sector services</b>	<b>708.5</b>	<b>795.0</b>	<b>900.0</b>	<b>1 028.7</b>	<b>1 030.1</b>	<b>1 112.3</b>	<b>1 234.1</b>	<b>1 307.0</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>66.9</b>	<b>53.8</b>	<b>68.6</b>	<b>61.0</b>	<b>68.5</b>	<b>50.1</b>	<b>63.8</b>	<b>59.9</b>
<b>49-53 Transportation and storage</b>	<b>16.8</b>	<b>18.4</b>	<b>12.6</b>	<b>16.8</b>	<b>18.2</b>	<b>22.1</b>	<b>23.2</b>	<b>31.0</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>337.4</b>	<b>400.8</b>	<b>442.4</b>	<b>486.1</b>	<b>498.9</b>	<b>535.4</b>	<b>576.8</b>	<b>653.9</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	148.6	153.1	160.9	167.7	166.0
58 Publishing activities	..	..	..	148.3	150.8	159.8	166.4	164.3
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	0.3	2.2	1.1	1.2	1.7
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	1.0	..	..
60 Programming and broadcasting activities	..	..	..	..	..	0.1	..	..
61 Telecommunications	54.8	86.2	69.3	77.1	94.1	94.1	83.9	87.2
62-63 IT and other information services	174.3	200.5	236.7	260.4	251.8	280.4	325.2	400.7
62 Computer programming, consultancy and related activities	..	..	..	248.1	240.1	267.1	310.4	368.1
63 Information service activities	..	..	..	12.2	11.7	13.3	14.8	32.6
<b>64-66 Financial and insurance activities</b>	<b>94.1</b>	<b>113.7</b>	<b>110.1</b>	<b>120.2</b>	<b>114.8</b>	<b>115.5</b>	<b>150.1</b>	<b>145.5</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>193.3</b>	<b>208.4</b>	<b>266.3</b>	<b>344.6</b>	<b>329.7</b>	<b>389.3</b>	<b>420.2</b>	<b>416.6</b>
68 Real estate activities	..	..	..	0.0	0.0	0.0	0.0	0.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	287.6	271.1	322.8	343.9	331.0
72 Scientific research and development	32.6	31.7	38.7	42.5	36.8	50.5	47.8	68.2
77-82 Administrative and support service activities	..	..	..	14.5	21.8	16.0	28.5	17.4
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	..	..	..	..	..	..	..	..

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# NORWAY

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>1 774.0</b>	<b>1 869.9</b>	<b>2 011.6</b>	<b>2 139.0</b>	<b>2 085.8</b>	<b>2 036.2</b>	<b>2 141.3</b>	<b>2 212.9</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>42.9</b>	<b>41.7</b>	<b>47.3</b>	<b>67.7</b>	<b>69.8</b>	<b>70.8</b>	<b>67.2</b>	<b>73.6</b>
<b>05-09 MINING AND QUARRYING</b>	<b>151.2</b>	<b>157.1</b>	<b>196.3</b>	<b>193.3</b>	<b>195.2</b>	<b>194.7</b>	<b>185.5</b>	<b>223.3</b>
<b>10-33 MANUFACTURING</b>	<b>791.9</b>	<b>838.2</b>	<b>875.9</b>	<b>895.2</b>	<b>842.8</b>	<b>734.5</b>	<b>793.9</b>	<b>796.8</b>
10-12 Food products, beverages and tobacco	82.7	80.0	81.1	90.3	91.5	76.6	74.4	76.3
13-15 Textiles, wearing apparel, leather and related products	9.7	9.6	7.7	8.4	10.0	7.6	11.1	7.8
13 Textiles	6.9	7.2	4.4	4.6	5.4	4.2	6.5	5.2
14 Wearing apparel	2.1	2.0	3.0	3.3	..	..	..	..
15 Leather and related products, footwear	0.8	0.4	0.3	0.5	..	..	..	..
16-18 Wood and paper products and printing	33.6	34.5	29.9	29.4	33.2	31.4	30.5	31.8
16 Wood and wood products, except furniture	11.9	11.4	10.5	8.3	11.2	13.4	8.1	15.4
17 Paper and paper products	19.4	19.8	16.5	16.7	17.6	14.9	20.1	13.7
18 Printing and reproduction of recorded media	2.3	3.3	2.8	4.4	4.3	3.1	2.3	2.7
19-23 Chemical, rubber, plastic, non-metallic mineral products	180.8	178.4	180.4	190.4	179.7	161.7	179.3	149.1
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	..	..	..	..
20 Chemicals and chemical products	..	..	..	..	..	..	..	..
21 Pharmaceuticals, medicinal, chemical and botanical products	55.1	63.1	53.4	50.5	45.6	47.0	66.4	36.1
22 Rubber and plastic products	13.4	11.6	10.1	10.5	7.9	10.9	9.3	12.4
23 Other non-metallic mineral products	13.5	13.2	12.1	10.5	9.5	10.1	12.3	11.3
24-25 Basic metals, metal products, except machinery and equipment	101.1	96.1	102.3	98.3	102.6	108.9	114.8	131.5
24 Basic metals	45.3	44.3	44.5	41.6	35.5	32.5	23.1	29.5
25 Fabricated metal products, except machinery and equipment	55.8	51.8	57.8	56.7	67.1	76.3	91.7	102.1
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	344.9	398.4	431.4	434.3	382.7	308.2	335.7	354.2
26 Computer, electronic and optical products	181.4	170.7	191.5	188.3	184.8	145.5	154.7	149.8
27 Electrical equipment	22.2	23.2	43.4	37.7	39.7	33.9	34.7	37.5
28 Machinery and equipment n.e.c.	52.2	80.9	95.3	105.9	78.0	72.0	84.1	91.5
29 Motor vehicles, trailers and semi-trailers	36.6	48.9	51.2	44.9	30.7	16.4	23.7	24.6
30 Other transport equipment	52.7	74.7	50.1	57.5	49.5	40.3	38.6	50.9
31-33 Furniture; repair, installation of machinery and equipment	39.0	41.3	43.2	44.1	43.2	40.2	48.1	46.1
31 Furniture	..	..	..	8.9	9.9	11.6	11.0	12.1
32 Other manufacturing	..	..	..	17.1	15.9	15.0	23.0	17.0
33 Repair and installation of machinery and equipment	..	..	..	18.1	17.4	13.6	14.2	17.0
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>26.7</b>	<b>24.3</b>	<b>25.8</b>	<b>32.4</b>	<b>39.2</b>	<b>42.3</b>	<b>42.5</b>	<b>44.6</b>
35-36 Electricity, gas and water	..	..	..	29.2	36.8	35.4	37.6	37.2
37-39 Sewerage, waste management and remediation activities	..	..	..	3.2	2.4	6.8	4.9	7.3
<b>41-43 CONSTRUCTION</b>	<b>52.8</b>	<b>59.7</b>	<b>43.2</b>	<b>56.7</b>	<b>51.5</b>	<b>62.2</b>	<b>52.2</b>	<b>65.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>708.5</b>	<b>748.8</b>	<b>823.2</b>	<b>893.7</b>	<b>887.4</b>	<b>931.7</b>	<b>1 000.0</b>	<b>1 009.2</b>
<b>45-82 Business sector services</b>	<b>708.5</b>	<b>748.8</b>	<b>823.2</b>	<b>893.7</b>	<b>887.4</b>	<b>931.7</b>	<b>1 000.0</b>	<b>1 009.2</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>66.9</b>	<b>50.7</b>	<b>62.8</b>	<b>53.0</b>	<b>59.0</b>	<b>41.9</b>	<b>51.7</b>	<b>46.3</b>
<b>49-53 Transportation and storage</b>	<b>16.8</b>	<b>17.3</b>	<b>11.5</b>	<b>14.6</b>	<b>15.6</b>	<b>18.5</b>	<b>18.8</b>	<b>24.0</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>337.4</b>	<b>377.5</b>	<b>404.6</b>	<b>422.3</b>	<b>429.8</b>	<b>448.4</b>	<b>467.4</b>	<b>504.9</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	129.1	131.9	134.8	135.9	128.1
58 Publishing activities	..	..	..	128.9	129.9	133.8	134.8	126.9
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	0.2	1.9	0.9	1.0	1.3
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	0.9	..	..
60 Programming and broadcasting activities	..	..	..	..	..	0.1	..	..
61 Telecommunications	54.8	81.2	63.4	67.0	81.1	78.8	68.0	67.4
62-63 IT and other information services	174.3	188.9	216.5	226.2	216.9	234.8	263.5	309.4
62 Computer programming, consultancy and related activities	..	..	..	215.6	206.8	223.7	251.5	284.2
63 Information service activities	..	..	..	10.6	10.0	11.1	12.0	25.2
<b>64-66 Financial and insurance activities</b>	<b>94.1</b>	<b>107.1</b>	<b>100.7</b>	<b>104.4</b>	<b>98.9</b>	<b>96.7</b>	<b>121.6</b>	<b>112.3</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>193.3</b>	<b>196.3</b>	<b>243.5</b>	<b>299.4</b>	<b>284.0</b>	<b>326.0</b>	<b>340.5</b>	<b>321.7</b>
68 Real estate activities	..	..	..	0.0	0.0	0.0	0.0	0.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	249.8	233.5	270.3	278.7	255.6
72 Scientific research and development	32.6	29.9	35.4	36.9	31.7	42.3	38.7	52.7
77-82 Administrative and support service activities	..	..	..	12.6	18.8	13.4	23.1	13.4
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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POLAND

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>947.0</b>	<b>1 008.7</b>	<b>1 098.1</b>	<b>1 284.0</b>	<b>1 391.5</b>	<b>1 523.9</b>	<b>1 931.3</b>	<b>2 939.5</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>3.5</b>	<b>4.5</b>	<b>5.5</b>	<b>9.5</b>	<b>11.1</b>	<b>12.1</b>	<b>14.9</b>	<b>18.3</b>
<b>05-09 MINING AND QUARRYING</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.6</b>	<b>10.3</b>	<b>120.9</b>
<b>10-33 MANUFACTURING</b>	<b>469.0</b>	<b>462.8</b>	<b>551.7</b>	<b>613.0</b>	<b>807.9</b>	<b>775.7</b>	<b>949.3</b>	<b>1 413.1</b>
10-12 Food products, beverages and tobacco	17.0	24.9	51.5	49.0	95.0	58.0	34.9	33.0
13-15 Textiles, wearing apparel, leather and related products	4.2	9.2	12.8	12.8	6.4	8.0	9.0	12.5
13 Textiles	3.9	9.0	11.8	12.0	5.4	..	7.5	7.5
14 Wearing apparel	..	..	0.9	0.6	0.6	1.0	1.0	3.6
15 Leather and related products, footwear	..	..	0.1	0.2	0.4	0.8	0.5	1.3
16-18 Wood and paper products and printing	5.5	6.0	9.0	7.3	11.4	17.4	19.2	24.4
16 Wood and wood products, except furniture	..	..	2.0	3.3	3.7	4.2	6.2	8.6
17 Paper and paper products	..	..	..	..	..	..	8.2	3.2
18 Printing and reproduction of recorded media	..	..	..	..	..	..	4.8	12.6
19-23 Chemical, rubber, plastic, non-metallic mineral products	113.4	113.6	140.9	172.4	154.1	201.5	238.0	318.3
19 Coke and refined petroleum products	0.2	0.7	1.1	3.0	3.1	2.8	2.4	5.0
20-21 Chemical and pharmaceutical products	92.9	92.4	95.1	144.8	122.3	140.5	161.0	220.3
20 Chemicals and chemical products	22.0	26.1	27.7	44.4	36.6	55.2	69.2	77.8
21 Pharmaceuticals, medicinal, chemical and botanical products	70.9	66.4	67.4	100.4	85.7	85.3	91.7	142.5
22 Rubber and plastic products	10.1	13.6	35.4	16.6	10.3	33.5	56.4	61.5
23 Other non-metallic mineral products	10.1	6.9	9.3	8.1	18.4	24.7	18.2	31.5
24-25 Basic metals, metal products, except machinery and equipment	25.5	35.4	36.4	44.3	50.3	72.0	117.7	172.3
24 Basic metals	9.3	12.9	8.6	11.1	17.0	26.4	16.1	19.3
25 Fabricated metal products, except machinery and equipment	16.2	22.5	27.8	33.1	33.3	45.6	101.6	152.9
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	269.6	237.9	248.8	272.3	418.6	369.9	474.2	742.6
26 Computer, electronic and optical products	29.3	20.4	34.0	41.3	48.6	83.6	73.1	88.0
27 Electrical equipment	74.2	58.7	80.8	62.1	73.9	107.1	117.3	261.3
28 Machinery and equipment n.e.c.	31.6	32.4	47.2	60.9	68.1	67.6	94.4	158.8
29 Motor vehicles, trailers and semi-trailers	94.6	81.4	55.1	77.2	186.7	49.8	100.0	124.4
30 Other transport equipment	40.1	44.9	31.6	30.7	41.2	61.8	89.3	110.0
31-33 Furniture; repair, installation of machinery and equipment	33.9	35.7	52.3	54.8	72.1	48.8	56.4	110.1
31 Furniture	11.1	3.5	33.2	14.0	17.8	7.9	11.7	31.2
32 Other manufacturing	7.0	5.6	7.3	13.4	19.2	9.7	17.1	36.4
33 Repair and installation of machinery and equipment	15.8	26.6	11.9	27.4	35.1	31.2	27.7	42.5
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>12.9</b>	<b>20.6</b>	<b>2.0</b>	<b>1.8</b>	<b>20.0</b>	<b>4.5</b>	<b>12.0</b>	<b>39.6</b>
35-36 Electricity, gas and water	..	..	1.7	0.5	3.1	0.4	0.5	5.6
37-39 Sewerage, waste management and remediation activities	..	..	0.3	1.2	16.9	4.1	11.6	34.0
<b>41-43 CONSTRUCTION</b>	<b>0.5</b>	<b>0.9</b>	<b>5.8</b>	<b>3.8</b>	<b>7.5</b>	<b>10.3</b>	<b>30.9</b>	<b>30.0</b>
<b>45-99 TOTAL SERVICES</b>	<b>460.9</b>	<b>519.7</b>	<b>532.8</b>	<b>655.4</b>	<b>544.6</b>	<b>720.7</b>	<b>913.9</b>	<b>1 317.5</b>
<b>45-82 Business sector services</b>	<b>460.2</b>	<b>516.6</b>	<b>524.1</b>	<b>637.7</b>	<b>542.0</b>	<b>702.1</b>	<b>884.4</b>	<b>1 304.9</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>12.7</b>	<b>14.4</b>	<b>17.5</b>	<b>60.4</b>	<b>71.3</b>	<b>73.2</b>	<b>126.1</b>	<b>207.4</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>88.2</b>	<b>88.3</b>	<b>101.5</b>	<b>120.1</b>	<b>180.5</b>	<b>377.0</b>	<b>508.2</b>	<b>598.0</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	99.3	27.5
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	..	..	..	..	..	..	..	..
62 Computer programming, consultancy and related activities	20.8	24.4	24.3	..	72.5	177.3	229.0	365.4
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>19.7</b>	<b>20.0</b>	<b>20.7</b>	<b>8.4</b>	<b>5.9</b>	<b>18.1</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>345.1</b>	<b>398.8</b>	<b>383.9</b>	<b>431.1</b>	<b>267.6</b>	<b>242.7</b>	<b>230.4</b>	<b>477.6</b>
68 Real estate activities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6
69-75x72 Professional, scientific and technical activities, except scientific R&D	13.5	9.4	8.6	4.0	13.1	18.5	29.9	120.9
72 Scientific research and development	331.7	389.4	375.2	427.1	254.5	224.2	200.2	323.9
77-82 Administrative and support service activities	0.0	0.0	0.0	0.0	0.0	0.0	0.3	4.2
84-99 Community, social and personal services	0.7	3.1	8.8	17.7	2.6	18.5	29.5	12.6
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	..	0.7	0.7
86-88 Human health and social work activities	..	1.4	..	12.0	..	..	20.8	10.4
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	6.8	0.3
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	4.5	..	0.9	1.2	1.2

.. Not available

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POLAND

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>947.0</b>	<b>979.7</b>	<b>1 027.3</b>	<b>1 172.4</b>	<b>1 225.7</b>	<b>1 296.6</b>	<b>1 595.2</b>	<b>2 362.6</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>3.5</b>	<b>4.4</b>	<b>5.1</b>	<b>8.7</b>	<b>9.8</b>	<b>10.3</b>	<b>12.3</b>	<b>14.7</b>
<b>05-09 MINING AND QUARRYING</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>8.5</b>	<b>97.2</b>
<b>10-33 MANUFACTURING</b>	<b>469.0</b>	<b>449.4</b>	<b>516.1</b>	<b>559.8</b>	<b>711.6</b>	<b>660.0</b>	<b>784.1</b>	<b>1 135.8</b>
10-12 Food products, beverages and tobacco	17.0	24.2	48.2	44.7	83.7	49.4	28.9	26.5
13-15 Textiles, wearing apparel, leather and related products	4.2	9.0	12.0	11.7	5.6	6.8	7.4	10.0
13 Textiles	3.9	8.7	11.1	10.9	4.8	..	6.2	6.0
14 Wearing apparel	..	..	0.9	0.6	0.5	0.8	0.9	2.9
15 Leather and related products, footwear	..	..	0.1	0.2	0.3	0.7	0.4	1.1
16-18 Wood and paper products and printing	5.5	5.9	8.4	6.7	10.1	14.8	15.9	19.6
16 Wood and wood products, except furniture	..	..	1.9	3.0	3.3	3.6	5.2	6.9
17 Paper and paper products	..	..	..	..	..	..	6.7	2.6
18 Printing and reproduction of recorded media	..	..	..	..	..	..	4.0	10.1
19-23 Chemical, rubber, plastic, non-metallic mineral products	113.4	110.4	131.8	157.4	135.7	171.5	196.5	255.8
19 Coke and refined petroleum products	0.2	0.6	1.0	2.7	2.8	2.4	1.9	4.0
20-21 Chemical and pharmaceutical products	92.9	89.8	89.0	132.2	107.7	119.6	132.9	177.1
20 Chemicals and chemical products	22.0	25.3	25.9	40.5	32.2	47.0	57.2	62.5
21 Pharmaceuticals, medicinal, chemical and botanical products	70.9	64.5	63.0	91.7	75.5	72.6	75.8	114.5
22 Rubber and plastic products	10.1	13.2	33.1	15.1	9.1	28.5	46.6	49.4
23 Other non-metallic mineral products	10.1	6.7	8.7	7.4	16.2	21.0	15.0	25.3
24-25 Basic metals, metal products, except machinery and equipment	25.5	34.4	34.0	40.4	44.3	61.3	97.2	138.5
24 Basic metals	9.3	12.5	8.0	10.2	14.9	22.5	13.3	15.5
25 Fabricated metal products, except machinery and equipment	16.2	21.9	26.0	30.2	29.4	38.8	83.9	122.9
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	269.6	231.0	232.7	248.6	368.7	314.8	391.6	596.8
26 Computer, electronic and optical products	29.3	19.8	31.8	37.7	42.8	71.1	60.4	70.7
27 Electrical equipment	74.2	57.0	75.6	56.7	65.1	91.2	96.9	210.0
28 Machinery and equipment n.e.c.	31.6	31.4	44.2	55.6	60.0	57.6	78.0	127.7
29 Motor vehicles, trailers and semi-trailers	94.6	79.0	51.5	70.5	164.5	42.4	82.6	100.0
30 Other transport equipment	40.1	43.7	29.6	28.0	36.3	52.5	73.8	88.4
31-33 Furniture; repair, installation of machinery and equipment	33.9	34.7	49.0	50.1	63.5	41.5	46.6	88.5
31 Furniture	11.1	3.4	31.1	12.8	15.6	6.7	9.6	25.1
32 Other manufacturing	7.0	5.5	6.8	12.2	16.9	8.3	14.1	29.2
33 Repair and installation of machinery and equipment	15.8	25.8	11.1	25.0	30.9	26.5	22.9	34.1
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>12.9</b>	<b>20.0</b>	<b>1.9</b>	<b>1.6</b>	<b>17.6</b>	<b>3.8</b>	<b>9.9</b>	<b>31.8</b>
35-36 Electricity, gas and water	..	..	1.6	0.5	2.7	0.3	0.4	4.5
37-39 Sewerage, waste management and remediation activities	..	..	0.3	1.1	14.9	3.5	9.6	27.3
<b>41-43 CONSTRUCTION</b>	<b>0.5</b>	<b>0.8</b>	<b>5.4</b>	<b>3.4</b>	<b>6.6</b>	<b>8.8</b>	<b>25.5</b>	<b>24.2</b>
<b>45-99 TOTAL SERVICES</b>	<b>460.9</b>	<b>504.7</b>	<b>498.4</b>	<b>598.5</b>	<b>479.7</b>	<b>613.2</b>	<b>754.8</b>	<b>1 059.0</b>
<b>45-82 Business sector services</b>	<b>460.2</b>	<b>501.7</b>	<b>490.2</b>	<b>582.3</b>	<b>477.4</b>	<b>597.4</b>	<b>730.5</b>	<b>1 048.8</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>12.7</b>	<b>14.0</b>	<b>16.3</b>	<b>55.1</b>	<b>62.8</b>	<b>62.3</b>	<b>104.2</b>	<b>166.7</b>
<b>49-53 Transportation and storage</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>58-63 Information and communication</b>	<b>88.2</b>	<b>85.8</b>	<b>95.0</b>	<b>109.7</b>	<b>159.0</b>	<b>320.8</b>	<b>419.7</b>	<b>480.6</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	82.0	22.1
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	..	..	..	..	..	..	..	..
62 Computer programming, consultancy and related activities	20.8	23.7	22.7	..	63.9	150.9	189.2	293.7
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>18.5</b>	<b>18.2</b>	<b>18.3</b>	<b>7.1</b>	<b>4.8</b>	<b>14.6</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>345.1</b>	<b>387.3</b>	<b>359.1</b>	<b>393.7</b>	<b>235.7</b>	<b>206.5</b>	<b>190.3</b>	<b>383.9</b>
68 Real estate activities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	13.5	9.1	8.1	3.7	11.5	15.8	24.7	97.2
72 Scientific research and development	331.7	378.2	351.0	390.0	224.1	190.7	165.4	260.4
77-82 Administrative and support service activities	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.4
84-99 Community, social and personal services	0.7	3.0	8.2	16.2	2.3	15.8	24.4	10.1
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	..	0.6	0.5
86-88 Human health and social work activities	..	1.3	..	11.0	..	..	17.2	8.4
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	5.6	0.3
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	4.1	..	0.7	1.0	1.0

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# PORTUGAL

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>675.1</b>	<b>1 113.9</b>	<b>1 530.6</b>	<b>1 994.9</b>	<b>2 078.2</b>	<b>2 003.7</b>	<b>1 939.2</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.9</b>	<b>0.7</b>	<b>0.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.4</b>	<b>4.6</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>1.2</b>	<b>1.2</b>	<b>1.3</b>	<b>7.8</b>	<b>4.8</b>	<b>4.8</b>	<b>6.3</b>	..
<b>10-33 MANUFACTURING</b>	<b>345.4</b>	<b>452.2</b>	<b>550.8</b>	<b>703.0</b>	<b>673.3</b>	<b>652.6</b>	<b>687.9</b>	..
10-12 Food products, beverages and tobacco	22.7	50.1	75.4	83.4	73.5	74.3	65.9	..
13-15 Textiles, wearing apparel, leather and related products	19.9	23.9	27.7	28.2	31.0	32.6	33.2	..
13 Textiles	..	..	16.3	20.4	19.3	21.9	20.0	..
14 Wearing apparel	..	..	8.8	4.4	5.4	4.7	4.9	..
15 Leather and related products, footwear	..	..	2.6	3.4	6.3	6.0	8.2	..
16-18 Wood and paper products and printing	13.8	19.3	24.5	45.2	34.5	40.0	54.4	..
16 Wood and wood products, except furniture	6.0	12.0	17.6	16.1	13.6	10.8	15.2	..
17 Paper and paper products	4.2	5.2	6.0	11.6	4.7	12.6	21.0	..
18 Printing and reproduction of recorded media	3.5	2.1	0.8	17.5	16.2	16.6	18.3	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	119.4	152.4	182.9	227.2	232.4	249.6	257.8	..
19 Coke and refined petroleum products	..	..	8.9	10.3	16.0	11.7	8.6	..
20-21 Chemical and pharmaceutical products	77.9	97.6	114.8	158.0	138.2	170.9	168.2	..
20 Chemicals and chemical products	16.0	20.3	24.1	25.5	30.5	47.7	28.9	..
21 Pharmaceuticals, medicinal, chemical and botanical products	61.9	77.4	90.8	132.5	107.7	123.3	139.4	..
22 Rubber and plastic products	..	..	17.3	21.6	38.2	31.6	34.5	..
23 Other non-metallic mineral products	..	..	41.9	37.3	40.0	35.4	46.4	..
24-25 Basic metals, metal products, except machinery and equipment	9.4	27.9	45.0	71.0	64.6	62.0	60.9	..
24 Basic metals	2.3	6.4	10.2	21.8	18.8	19.3	19.1	..
25 Fabricated metal products, except machinery and equipment	7.1	21.5	34.7	49.1	45.9	42.7	41.8	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	156.8	164.4	171.7	221.6	205.3	175.0	199.5	..
26 Computer, electronic and optical products	118.2	76.2	43.8	45.9	33.2	30.7	42.2	..
27 Electrical equipment	7.8	20.9	31.3	38.3	42.8	54.0	70.2	..
28 Machinery and equipment n.e.c.	12.5	15.8	18.6	24.2	23.2	21.7	25.6	..
29 Motor vehicles, trailers and semi-trailers	16.6	46.9	71.2	106.1	99.6	63.8	55.0	..
30 Other transport equipment	1.6	4.5	6.8	7.0	6.6	4.8	6.5	..
31-33 Furniture; repair, installation of machinery and equipment	3.5	14.1	23.8	26.4	31.8	19.0	16.2	..
31 Furniture	..	..	6.2	7.7	7.4	8.1	6.4	..
32 Other manufacturing	..	..	3.5	4.0	6.3	4.6	4.9	..
33 Repair and installation of machinery and equipment	..	..	14.1	14.7	18.2	6.3	5.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>1.2</b>	<b>34.4</b>	<b>66.6</b>	<b>128.1</b>	<b>115.6</b>	<b>88.7</b>	<b>24.1</b>	..
35-36 Electricity, gas and water	..	..	60.0	119.3	108.8	83.3	17.7	..
37-39 Sewerage, waste management and remediation activities	..	..	6.6	8.9	6.8	5.4	6.5	..
<b>41-43 CONSTRUCTION</b>	<b>21.2</b>	<b>15.2</b>	<b>9.1</b>	<b>12.0</b>	<b>23.7</b>	<b>15.4</b>	<b>16.5</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>305.3</b>	<b>610.1</b>	<b>902.2</b>	<b>1 141.2</b>	<b>1 258.0</b>	<b>1 239.8</b>	<b>1 199.7</b>	..
<b>45-82 Business sector services</b>	<b>300.6</b>	<b>603.1</b>	<b>893.0</b>	<b>1 128.1</b>	<b>1 236.8</b>	<b>1 207.9</b>	<b>1 175.9</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>37.7</b>	<b>33.9</b>	<b>31.8</b>	<b>48.1</b>	<b>49.2</b>	<b>139.2</b>	<b>137.1</b>	..
<b>49-53 Transportation and storage</b>	<b>13.2</b>	<b>46.8</b>	<b>78.3</b>	<b>78.2</b>	<b>58.4</b>	<b>45.7</b>	<b>42.2</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	..
<b>58-63 Information and communication</b>	<b>72.7</b>	<b>211.5</b>	<b>342.1</b>	<b>451.5</b>	<b>590.7</b>	<b>523.2</b>	<b>528.6</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	24.8	29.5	36.8	37.3	29.2	..
58 Publishing activities	..	..	14.0	26.3	30.0	31.5	22.4	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	10.8	3.1	6.8	5.8	6.8	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	0.5	0.2	..
60 Programming and broadcasting activities	..	..	..	..	..	5.3	6.6	..
61 Telecommunications	23.6	102.7	181.2	230.1	345.1	289.3	336.7	..
62-63 IT and other information services	..	..	136.1	192.0	208.8	196.6	162.7	..
62 Computer programming, consultancy and related activities	..	..	132.2	185.2	203.1	191.4	157.5	..
63 Information service activities	..	..	3.9	6.8	5.8	5.1	5.2	..
<b>64-66 Financial and insurance activities</b>	<b>52.0</b>	<b>163.3</b>	<b>267.8</b>	<b>327.2</b>	<b>256.7</b>	<b>270.1</b>	<b>242.3</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>125.0</b>	<b>147.6</b>	<b>173.1</b>	<b>222.9</b>	<b>281.4</b>	<b>229.6</b>	<b>225.4</b>	..
68 Real estate activities	..	..	0.0	0.0	0.0	0.0	0.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	121.8	176.4	219.1	165.8	137.1	..
72 Scientific research and development	26.0	28.7	30.5	36.0	43.5	49.4	72.9	..
77-82 Administrative and support service activities	..	..	20.8	10.5	18.8	14.5	15.4	..
84-99 Community, social and personal services	4.7	7.0	9.2	13.2	21.2	31.9	23.8	..
84-85 Public administration and defence; compulsory social security and education	..	..	0.9	0.8	2.3	2.2	2.2	..
86-88 Human health and social work activities	..	..	2.4	2.7	3.9	4.9	7.2	..
90-93 Arts, entertainment and recreation	..	..	0.2	0.8	1.1	0.5	1.1	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	5.7	9.0	14.0	24.4	13.3	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# PORTUGAL

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>675.1</b>	<b>1 047.0</b>	<b>1 397.5</b>	<b>1 762.7</b>	<b>1 768.1</b>	<b>1 697.2</b>	<b>1 627.0</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.9</b>	<b>0.7</b>	<b>0.5</b>	<b>2.4</b>	<b>2.4</b>	<b>2.0</b>	<b>3.8</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>1.2</b>	<b>1.2</b>	<b>1.2</b>	<b>6.9</b>	<b>4.1</b>	<b>4.1</b>	<b>5.3</b>	..
<b>10-33 MANUFACTURING</b>	<b>345.4</b>	<b>425.0</b>	<b>502.9</b>	<b>621.2</b>	<b>572.8</b>	<b>552.7</b>	<b>577.2</b>	..
10-12 Food products, beverages and tobacco	22.7	47.1	68.8	73.7	62.6	63.0	55.3	..
13-15 Textiles, wearing apparel, leather and related products	19.9	22.5	25.3	25.0	26.4	27.6	27.8	..
13 Textiles	..	..	14.9	18.0	16.4	18.6	16.8	..
14 Wearing apparel	..	..	8.0	3.9	4.6	4.0	4.1	..
15 Leather and related products, footwear	..	..	2.3	3.0	5.4	5.0	6.9	..
16-18 Wood and paper products and printing	13.8	18.2	22.3	39.9	29.4	33.9	45.7	..
16 Wood and wood products, except furniture	6.0	11.3	16.1	14.3	11.6	9.1	12.7	..
17 Paper and paper products	4.2	4.9	5.5	10.2	4.0	10.7	17.6	..
18 Printing and reproduction of recorded media	3.5	2.0	0.8	15.4	13.8	14.1	15.3	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	119.4	143.2	167.0	200.7	197.7	211.4	216.3	..
19 Coke and refined petroleum products	..	..	8.1	9.1	13.6	9.9	7.2	..
20-21 Chemical and pharmaceutical products	77.9	91.8	104.8	139.6	117.6	144.8	141.1	..
20 Chemicals and chemical products	16.0	19.1	22.0	22.5	25.9	40.4	24.2	..
21 Pharmaceuticals, medicinal, chemical and botanical products	61.9	72.7	82.9	117.1	91.7	104.4	116.9	..
22 Rubber and plastic products	..	..	15.8	19.1	32.5	26.8	29.0	..
23 Other non-metallic mineral products	..	..	38.3	33.0	34.0	30.0	38.9	..
24-25 Basic metals, metal products, except machinery and equipment	9.4	26.2	41.0	62.7	55.0	52.5	51.1	..
24 Basic metals	2.3	6.0	9.3	19.3	16.0	16.4	16.0	..
25 Fabricated metal products, except machinery and equipment	7.1	20.2	31.7	43.4	39.0	36.1	35.1	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	156.8	154.5	156.7	195.8	174.7	148.3	167.4	..
26 Computer, electronic and optical products	118.2	71.6	40.0	40.6	28.2	26.0	35.4	..
27 Electrical equipment	7.8	19.6	28.6	33.9	36.4	45.7	58.9	..
28 Machinery and equipment n.e.c.	12.5	14.9	17.0	21.4	19.7	18.4	21.5	..
29 Motor vehicles, trailers and semi-trailers	16.6	44.1	65.0	93.8	84.7	54.1	46.1	..
30 Other transport equipment	1.6	4.2	6.2	6.2	5.6	4.1	5.4	..
31-33 Furniture; repair, installation of machinery and equipment	3.5	13.3	21.8	23.3	27.1	16.1	13.6	..
31 Furniture	..	..	5.7	6.8	6.3	6.8	5.3	..
32 Other manufacturing	..	..	3.2	3.6	5.3	3.9	4.1	..
33 Repair and installation of machinery and equipment	..	..	12.9	13.0	15.5	5.3	4.2	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>1.2</b>	<b>32.3</b>	<b>60.9</b>	<b>113.2</b>	<b>98.4</b>	<b>75.2</b>	<b>20.2</b>	..
35-36 Electricity, gas and water	..	..	54.8	105.4	92.5	70.6	14.8	..
37-39 Sewerage, waste management and remediation activities	..	..	6.0	7.8	5.8	4.6	5.4	..
<b>41-43 CONSTRUCTION</b>	<b>21.2</b>	<b>14.3</b>	<b>8.3</b>	<b>10.6</b>	<b>20.1</b>	<b>13.0</b>	<b>13.8</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>305.3</b>	<b>573.5</b>	<b>823.8</b>	<b>1 008.4</b>	<b>1 070.2</b>	<b>1 050.2</b>	<b>1 006.6</b>	..
<b>45-82 Business sector services</b>	<b>300.6</b>	<b>566.9</b>	<b>815.4</b>	<b>996.8</b>	<b>1 052.2</b>	<b>1 023.2</b>	<b>986.6</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>37.7</b>	<b>31.8</b>	<b>29.0</b>	<b>42.5</b>	<b>41.9</b>	<b>117.9</b>	<b>115.0</b>	..
<b>49-53 Transportation and storage</b>	<b>13.2</b>	<b>44.0</b>	<b>71.5</b>	<b>69.1</b>	<b>49.7</b>	<b>38.7</b>	<b>35.4</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	..
<b>58-63 Information and communication</b>	<b>72.7</b>	<b>198.8</b>	<b>312.4</b>	<b>399.0</b>	<b>502.6</b>	<b>443.2</b>	<b>443.5</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	22.7	26.0	31.3	31.6	24.5	..
58 Publishing activities	..	..	12.8	23.3	25.6	26.7	18.8	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	9.9	2.8	5.8	4.9	5.7	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	0.4	0.1	..
60 Programming and broadcasting activities	..	..	..	..	..	4.5	5.6	..
61 Telecommunications	23.6	96.5	165.4	203.3	293.6	245.1	282.5	..
62-63 IT and other information services	..	..	124.3	169.7	177.7	166.5	136.5	..
62 Computer programming, consultancy and related activities	..	..	120.8	163.7	172.8	162.2	132.1	..
63 Information service activities	..	..	3.5	6.0	4.9	4.3	4.4	..
<b>64-66 Financial and insurance activities</b>	<b>52.0</b>	<b>153.5</b>	<b>244.5</b>	<b>289.2</b>	<b>218.4</b>	<b>228.8</b>	<b>203.3</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>125.0</b>	<b>138.8</b>	<b>158.0</b>	<b>196.9</b>	<b>239.4</b>	<b>194.5</b>	<b>189.1</b>	..
68 Real estate activities	..	..	0.0	0.0	0.0	0.0	0.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	111.2	155.8	186.4	140.4	115.0	..
72 Scientific research and development	26.0	26.9	27.8	31.8	37.0	41.8	61.2	..
77-82 Administrative and support service activities	..	..	19.0	9.3	16.0	12.3	12.9	..
84-99 Community, social and personal services	4.7	6.6	8.4	11.6	18.1	27.0	20.0	..
84-85 Public administration and defence; compulsory social security and education	..	..	0.8	0.7	2.0	1.8	1.8	..
86-88 Human health and social work activities	..	..	2.2	2.3	3.3	4.1	6.1	..
90-93 Arts, entertainment and recreation	..	..	0.2	0.7	0.9	0.4	0.9	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	5.2	7.9	11.9	20.6	11.1	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

Information on data for Israel: <http://oe.cd/israel-disclaimer>.

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# PORTUGAL

## R&D expenditure in industry by product field, current prices

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	<b>1 994.9</b>	<b>2 078.2</b>	<b>2 003.7</b>	<b>1 939.2</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	<b>11.1</b>	<b>12.3</b>	<b>10.1</b>	<b>18.4</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	<b>21.5</b>	<b>32.0</b>	<b>18.8</b>	<b>23.6</b>	..
<b>10-33 MANUFACTURING</b>	..	..	..	<b>772.1</b>	<b>718.4</b>	<b>730.0</b>	<b>747.3</b>	..
10-12 Food products, beverages and tobacco	..	..	..	79.8	71.0	74.6	63.4	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	32.0	35.1	35.0	35.8	..
13 Textiles	..	..	..	22.4	20.2	22.7	20.5	..
14 Wearing apparel	..	..	..	4.7	7.9	6.3	6.9	..
15 Leather and related products, footwear	..	..	..	4.9	7.1	6.0	8.5	..
16-18 Wood and paper products and printing	..	..	..	27.8	22.8	28.1	37.0	..
16 Wood and wood products, except furniture	..	..	..	13.4	13.0	9.6	11.8	..
17 Paper and paper products	..	..	..	12.4	9.5	18.0	25.1	..
18 Printing and reproduction of recorded media	..	..	..	1.9	0.3	0.5	0.1	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	257.6	233.2	265.0	265.8	..
19 Coke and refined petroleum products	..	..	..	4.9	8.5	10.7	0.3	..
20-21 Chemical and pharmaceutical products	..	..	..	189.7	161.1	196.7	194.0	..
20 Chemicals and chemical products	..	..	..	34.4	40.1	53.6	36.4	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	155.4	121.0	143.2	157.6	..
22 Rubber and plastic products	..	..	..	24.1	31.1	21.4	26.0	..
23 Other non-metallic mineral products	..	..	..	38.8	32.6	36.2	45.4	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	58.5	58.0	54.3	54.4	..
24 Basic metals	..	..	..	23.0	19.2	20.0	21.4	..
25 Fabricated metal products, except machinery and equipment	..	..	..	35.5	38.8	34.3	33.1	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	284.4	279.9	249.3	263.6	..
26 Computer, electronic and optical products	..	..	..	66.5	54.8	53.6	62.1	..
27 Electrical equipment	..	..	..	59.3	45.9	67.6	60.9	..
28 Machinery and equipment n.e.c.	..	..	..	30.5	45.1	33.2	44.6	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	109.6	121.6	82.3	76.7	..
30 Other transport equipment	..	..	..	18.4	12.5	12.7	19.5	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	31.9	18.3	23.7	27.2	..
31 Furniture	..	..	..	3.9	6.7	7.9	5.8	..
32 Other manufacturing	..	..	..	10.2	9.6	12.1	16.5	..
33 Repair and installation of machinery and equipment	..	..	..	17.9	2.0	3.7	5.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	<b>129.3</b>	<b>133.8</b>	<b>96.7</b>	<b>31.7</b>	..
35-36 Electricity, gas and water	..	..	..	122.5	121.1	89.0	18.7	..
37-39 Sewerage, waste management and remediation activities	..	..	..	6.7	12.7	7.8	13.0	..
<b>41-43 CONSTRUCTION</b>	..	..	..	<b>18.1</b>	<b>40.0</b>	<b>15.7</b>	<b>13.6</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	<b>1 042.9</b>	<b>1 141.8</b>	<b>1 132.3</b>	<b>1 104.6</b>	..
<b>45-82 Business sector services</b>	..	..	..	<b>1 034.7</b>	<b>1 122.5</b>	<b>1 116.5</b>	<b>1 091.6</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	<b>37.1</b>	<b>52.7</b>	<b>61.4</b>	<b>57.1</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	<b>35.9</b>	<b>28.9</b>	<b>44.7</b>	<b>33.9</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.9</b>	..
<b>58-63 Information and communication</b>	..	..	..	<b>614.7</b>	<b>700.6</b>	<b>668.0</b>	<b>698.0</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	83.9	67.1	94.9	75.1	..
58 Publishing activities	..	..	..	..	63.4	92.5	70.0	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	3.7	2.4	5.1	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	2.1	..
60 Programming and broadcasting activities	..	..	..	..	..	..	3.0	..
61 Telecommunications	..	..	..	310.6	425.6	383.9	444.4	..
62-63 IT and other information services	..	..	..	220.2	207.9	189.1	178.5	..
62 Computer programming, consultancy and related activities	..	..	..	192.1	186.5	169.4	130.6	..
63 Information service activities	..	..	..	28.1	21.4	19.8	47.9	..
<b>64-66 Financial and insurance activities</b>	..	..	..	<b>249.0</b>	<b>206.2</b>	<b>177.6</b>	<b>145.7</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	<b>98.0</b>	<b>134.2</b>	<b>164.8</b>	<b>156.0</b>	..
68 Real estate activities	..	..	..	0.0	2.0	1.5	1.3	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	62.6	94.1	124.1	117.3	..
72 Scientific research and development	..	..	..	31.6	36.0	36.3	33.0	..
77-82 Administrative and support service activities	..	..	..	3.8	2.0	2.9	4.4	..
84-99 Community, social and personal services	..	..	..	8.2	19.3	15.8	13.0	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	2.8	0.1	0.3	0.6	..
86-88 Human health and social work activities	..	..	..	3.4	12.1	5.5	10.1	..
90-93 Arts, entertainment and recreation	..	..	..	0.5	0.4	0.5	0.6	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	1.5	6.8	9.5	1.7	..

.. Not available

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# PORTUGAL

## R&D expenditure in industry by product field, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	<b>1 762.7</b>	<b>1 768.1</b>	<b>1 697.2</b>	<b>1 627.0</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	<b>9.8</b>	<b>10.5</b>	<b>8.6</b>	<b>15.4</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	<b>19.0</b>	<b>27.2</b>	<b>16.0</b>	<b>19.8</b>	..
<b>10-33 MANUFACTURING</b>	..	..	..	<b>682.3</b>	<b>611.1</b>	<b>618.3</b>	<b>627.0</b>	..
10-12 Food products, beverages and tobacco	..	..	..	70.5	60.4	63.2	53.2	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	28.3	29.9	29.6	30.1	..
13 Textiles	..	..	..	19.8	17.2	19.2	17.2	..
14 Wearing apparel	..	..	..	4.2	6.7	5.3	5.8	..
15 Leather and related products, footwear	..	..	..	4.3	6.0	5.1	7.1	..
16-18 Wood and paper products and printing	..	..	..	24.5	19.4	23.8	31.1	..
16 Wood and wood products, except furniture	..	..	..	11.9	11.0	8.2	9.9	..
17 Paper and paper products	..	..	..	10.9	8.1	15.2	21.1	..
18 Printing and reproduction of recorded media	..	..	..	1.7	0.3	0.4	0.1	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	227.6	198.4	224.5	223.0	..
19 Coke and refined petroleum products	..	..	..	4.4	7.2	9.1	0.3	..
20-21 Chemical and pharmaceutical products	..	..	..	167.6	137.1	166.6	162.8	..
20 Chemicals and chemical products	..	..	..	30.4	34.1	45.4	30.6	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	137.3	103.0	121.3	132.2	..
22 Rubber and plastic products	..	..	..	21.3	26.4	18.1	21.8	..
23 Other non-metallic mineral products	..	..	..	34.3	27.7	30.6	38.1	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	51.7	49.4	46.0	45.7	..
24 Basic metals	..	..	..	20.3	16.4	16.9	17.9	..
25 Fabricated metal products, except machinery and equipment	..	..	..	31.4	33.0	29.0	27.7	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	251.3	238.1	211.2	221.2	..
26 Computer, electronic and optical products	..	..	..	58.8	46.6	45.4	52.1	..
27 Electrical equipment	..	..	..	52.4	39.0	57.2	51.1	..
28 Machinery and equipment n.e.c.	..	..	..	27.0	38.3	28.1	37.4	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	96.9	103.5	69.7	64.3	..
30 Other transport equipment	..	..	..	16.3	10.7	10.7	16.3	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	28.2	15.5	20.1	22.8	..
31 Furniture	..	..	..	3.4	5.7	6.7	4.8	..
32 Other manufacturing	..	..	..	9.0	8.2	10.3	13.8	..
33 Repair and installation of machinery and equipment	..	..	..	15.8	1.7	3.1	4.2	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	<b>114.2</b>	<b>113.8</b>	<b>81.9</b>	<b>26.6</b>	..
35-36 Electricity, gas and water	..	..	..	108.3	103.0	75.4	15.7	..
37-39 Sewerage, waste management and remediation activities	..	..	..	6.0	10.8	6.6	10.9	..
<b>41-43 CONSTRUCTION</b>	..	..	..	<b>16.0</b>	<b>34.0</b>	<b>13.3</b>	<b>11.4</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	<b>921.5</b>	<b>971.4</b>	<b>959.1</b>	<b>926.7</b>	..
<b>45-82 Business sector services</b>	..	..	..	<b>914.3</b>	<b>955.0</b>	<b>945.7</b>	<b>915.8</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	<b>32.8</b>	<b>44.9</b>	<b>52.0</b>	<b>47.9</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	<b>31.8</b>	<b>24.6</b>	<b>37.8</b>	<b>28.5</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.8</b>	..
<b>58-63 Information and communication</b>	..	..	..	<b>543.1</b>	<b>596.0</b>	<b>565.8</b>	<b>585.6</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	74.1	57.1	80.4	63.0	..
58 Publishing activities	..	..	..	..	54.0	78.4	58.8	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	3.1	2.1	4.3	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	1.8	..
60 Programming and broadcasting activities	..	..	..	..	..	..	2.5	..
61 Telecommunications	..	..	..	274.5	362.1	325.2	372.8	..
62-63 IT and other information services	..	..	..	194.6	176.8	160.2	149.7	..
62 Computer programming, consultancy and related activities	..	..	..	169.7	158.7	143.4	109.6	..
63 Information service activities	..	..	..	24.8	18.2	16.8	40.1	..
<b>64-66 Financial and insurance activities</b>	..	..	..	<b>220.0</b>	<b>175.4</b>	<b>150.4</b>	<b>122.2</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	<b>86.6</b>	<b>114.2</b>	<b>139.6</b>	<b>130.9</b>	..
68 Real estate activities	..	..	..	0.0	1.7	1.3	1.1	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	55.4	80.1	105.1	98.4	..
72 Scientific research and development	..	..	..	27.9	30.7	30.8	27.7	..
77-82 Administrative and support service activities	..	..	..	3.3	1.7	2.5	3.7	..
84-99 Community, social and personal services	..	..	..	7.2	16.4	13.4	10.9	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	2.5	0.0	0.2	0.5	..
86-88 Human health and social work activities	..	..	..	3.0	10.3	4.7	8.5	..
90-93 Arts, entertainment and recreation	..	..	..	0.5	0.3	0.4	0.5	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	1.3	5.8	8.1	1.4	..

.. Not available

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# SLOVAK REPUBLIC

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>219.4</b>	<b>207.8</b>	<b>204.7</b>	<b>254.8</b>	<b>244.2</b>	<b>343.5</b>	<b>342.5</b>	<b>475.6</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	2.7	2.8	2.5	2.3	2.9	1.9
<b>05-09 MINING AND QUARRYING</b>	..	..	0.0	0.0	0.0	0.0	0.0	0.0
<b>10-33 MANUFACTURING</b>	<b>94.0</b>	<b>98.0</b>	<b>100.5</b>	<b>159.4</b>	<b>164.4</b>	<b>237.6</b>	<b>209.1</b>	<b>255.5</b>
10-12 Food products, beverages and tobacco	..	1.2	1.5	1.8	1.8	3.3	2.3	2.3
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	..	..	..	2.5
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	..	..	..	..
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	35.8	32.2	44.4	43.1	46.7	45.7	46.7
19 Coke and refined petroleum products	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21 Chemical and pharmaceutical products	..	13.3	13.6	25.6	23.6	29.1	32.2	24.2
20 Chemicals and chemical products	..	3.4	4.5	6.2	6.3	7.1	7.0	5.7
21 Pharmaceuticals, medicinal, chemical and botanical products	..	9.9	9.0	19.4	17.3	21.9	25.2	18.4
22 Rubber and plastic products	..	19.2	13.6	15.6	18.1	15.9	11.4	20.1
23 Other non-metallic mineral products	..	3.3	5.1	3.2	1.5	1.7	2.1	2.4
24-25 Basic metals, metal products, except machinery and equipment	..	15.6	15.1	20.2	18.5	25.5	13.9	17.3
24 Basic metals	..	9.1	10.2	9.7	8.7	7.4	7.1	7.2
25 Fabricated metal products, except machinery and equipment	..	6.5	4.9	10.6	9.8	18.2	6.7	10.1
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	31.4	38.4	67.9	75.7	137.5	123.2	162.0
26 Computer, electronic and optical products	..	13.3	14.5	3.5	2.2	4.5	5.5	7.1
27 Electrical equipment	..	4.9	5.2	37.0	11.7	33.7	35.2	34.2
28 Machinery and equipment n.e.c.	..	10.6	15.3	15.1	11.2	20.4	25.5	29.8
29 Motor vehicles, trailers and semi-trailers	..	2.0	2.7	9.4	38.5	64.7	47.4	78.8
30 Other transport equipment	..	0.6	0.8	2.9	12.0	14.2	9.6	12.2
31-33 Furniture; repair, installation of machinery and equipment	..	14.0	13.3	25.1	25.2	20.0	24.0	24.8
31 Furniture	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Other manufacturing	..	3.1	3.3	3.7	3.2	3.1	7.6	8.6
33 Repair and installation of machinery and equipment	..	10.9	10.0	21.4	22.0	16.9	16.4	16.2
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	..	..	..	..	<b>0.4</b>	<b>1.2</b>	<b>1.1</b>	<b>2.3</b>
<b>45-99 TOTAL SERVICES</b>	<b>119.6</b>	<b>104.4</b>	<b>100.0</b>	<b>90.7</b>	<b>76.9</b>	<b>102.4</b>	<b>129.4</b>	<b>215.8</b>
<b>45-82 Business sector services</b>	..	<b>104.4</b>	<b>100.0</b>	<b>90.7</b>	<b>76.0</b>	<b>99.7</b>	<b>124.4</b>	<b>210.6</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.1</b>	<b>2.5</b>	<b>0.6</b>
<b>49-53 Transportation and storage</b>	..	..	..	..	..	..	..	..
<b>55-56 Accommodation and food service activities</b>	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>58-63 Information and communication</b>	..	<b>3.0</b>	<b>4.1</b>	<b>3.9</b>	<b>3.7</b>	<b>10.5</b>	<b>11.7</b>	<b>60.7</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	0.9	2.9	4.1	3.0	3.0	9.7	..	..
62 Computer programming, consultancy and related activities	..	2.0	3.0	3.0	3.0	9.0	9.6	58.7
63 Information service activities	..	..	..	0.0	0.0	0.7	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	..	..	<b>63.0</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	<b>99.2</b>	<b>93.3</b>	<b>83.1</b>	<b>68.8</b>	<b>85.2</b>	<b>72.3</b>	<b>79.8</b>
68 Real estate activities	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	8.0	13.8	7.7	4.2	12.7	17.3	23.6
72 Scientific research and development	103.3	90.4	78.5	73.6	62.1	69.2	50.9	52.9
77-82 Administrative and support service activities	..	0.8	1.1	1.8	2.5	3.2	4.2	3.3
84-99 Community, social and personal services	..	0.0	0.0	0.0	0.9	2.8	5.0	5.2
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	..	..	..
86-88 Human health and social work activities	..	..	..	..	..	..	..	1.6
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	..	..	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# SLOVAK REPUBLIC

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>219.4</b>	<b>197.8</b>	<b>189.8</b>	<b>224.0</b>	<b>207.7</b>	<b>291.2</b>	<b>284.7</b>	<b>390.7</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	2.5	2.5	2.1	2.0	2.4	1.5
<b>05-09 MINING AND QUARRYING</b>	..	..	0.0	0.0	0.0	0.0	0.0	0.0
<b>10-33 MANUFACTURING</b>	<b>94.0</b>	<b>93.3</b>	<b>93.1</b>	<b>140.1</b>	<b>139.8</b>	<b>201.4</b>	<b>173.8</b>	<b>209.9</b>
10-12 Food products, beverages and tobacco	..	1.1	1.4	1.6	1.6	2.8	1.9	1.9
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	..	..	..	2.0
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	..	..	..	..
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	34.0	29.8	39.0	36.7	39.6	38.0	38.4
19 Coke and refined petroleum products	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21 Chemical and pharmaceutical products	..	12.6	12.6	22.5	20.0	24.6	26.8	19.9
20 Chemicals and chemical products	..	3.2	4.2	5.4	5.3	6.0	5.8	4.7
21 Pharmaceuticals, medicinal, chemical and botanical products	..	9.4	8.4	17.0	14.7	18.6	20.9	15.1
22 Rubber and plastic products	..	18.3	12.6	13.7	15.4	13.5	9.5	16.5
23 Other non-metallic mineral products	..	3.1	4.7	2.8	1.2	1.4	1.8	2.0
24-25 Basic metals, metal products, except machinery and equipment	..	14.9	14.0	17.8	15.8	21.6	11.5	14.2
24 Basic metals	..	8.7	9.4	8.5	7.4	6.2	5.9	5.9
25 Fabricated metal products, except machinery and equipment	..	6.2	4.5	9.3	8.3	15.4	5.6	8.3
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	29.9	35.6	59.7	64.4	116.6	102.4	133.1
26 Computer, electronic and optical products	..	12.7	13.4	3.1	1.9	3.8	4.6	5.8
27 Electrical equipment	..	4.7	4.8	32.6	10.0	28.6	29.3	28.1
28 Machinery and equipment n.e.c.	..	10.1	14.1	13.3	9.5	17.3	21.2	24.5
29 Motor vehicles, trailers and semi-trailers	..	1.9	2.5	8.2	32.8	54.8	39.4	64.7
30 Other transport equipment	..	0.6	0.8	2.6	10.2	12.1	8.0	10.0
31-33 Furniture; repair, installation of machinery and equipment	..	13.3	12.3	22.1	21.5	16.9	20.0	20.4
31 Furniture	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Other manufacturing	..	2.9	3.1	3.3	2.8	2.6	6.3	7.0
33 Repair and installation of machinery and equipment	..	10.4	9.2	18.8	18.7	14.3	13.7	13.3
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	..	..	..	..	<b>0.4</b>	<b>1.0</b>	<b>0.9</b>	<b>1.9</b>
<b>45-99 TOTAL SERVICES</b>	<b>119.6</b>	<b>99.3</b>	<b>92.7</b>	<b>79.8</b>	<b>65.4</b>	<b>86.8</b>	<b>107.6</b>	<b>177.3</b>
<b>45-82 Business sector services</b>	..	<b>99.3</b>	<b>92.7</b>	<b>79.8</b>	<b>64.6</b>	<b>84.5</b>	<b>103.5</b>	<b>173.0</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.8</b>	<b>2.1</b>	<b>0.5</b>
<b>49-53 Transportation and storage</b>	..	..	..	..	..	..	..	..
<b>55-56 Accommodation and food service activities</b>	..	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>58-63 Information and communication</b>	..	<b>2.8</b>	<b>3.8</b>	<b>3.5</b>	<b>3.2</b>	<b>8.9</b>	<b>9.7</b>	<b>49.9</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	0.9	2.7	3.8	2.6	2.6	8.2	..	..
62 Computer programming, consultancy and related activities	..	1.9	2.7	2.6	2.6	7.6	8.0	48.2
63 Information service activities	..	..	..	0.0	0.0	0.6	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	..	..	<b>51.7</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	<b>94.4</b>	<b>86.5</b>	<b>73.0</b>	<b>58.5</b>	<b>72.2</b>	<b>60.1</b>	<b>65.6</b>
68 Real estate activities	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	7.6	12.8	6.8	3.6	10.8	14.4	19.4
72 Scientific research and development	103.3	86.0	72.8	64.7	52.8	58.7	42.3	43.5
77-82 Administrative and support service activities	..	0.8	1.0	1.5	2.2	2.7	3.5	2.7
84-99 Community, social and personal services	..	0.0	0.0	0.0	0.7	2.3	4.1	4.3
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	..	..	..
86-88 Human health and social work activities	..	..	..	..	..	..	..	1.3
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	..	..	..

.. Not available

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## SLOVENIA

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>397.1</b>	<b>479.9</b>	<b>475.4</b>	<b>627.8</b>	<b>661.0</b>	<b>788.7</b>	<b>1 056.0</b>	<b>1 166.2</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.4</b>	<b>0.4</b>	<b>0.8</b>	<b>1.0</b>
<b>05-09 MINING AND QUARRYING</b>	<b>6.9</b>	<b>7.0</b>	<b>3.6</b>	<b>5.5</b>	<b>8.5</b>	<b>8.3</b>	<b>9.6</b>	<b>7.8</b>
<b>10-33 MANUFACTURING</b>	<b>356.1</b>	<b>428.4</b>	<b>426.2</b>	<b>535.4</b>	<b>543.1</b>	<b>637.6</b>	<b>761.1</b>	<b>818.7</b>
10-12 Food products, beverages and tobacco	1.6	2.0	1.7	2.4	2.4	2.8	6.2	7.1
13-15 Textiles, wearing apparel, leather and related products	8.7	11.6	11.8	7.4	10.0	10.6	10.8	14.0
13 Textiles	6.3	6.3	8.6	5.6	6.5	8.4	8.8	10.2
14 Wearing apparel	0.9	3.7	1.4	0.7	0.7	0.3	0.4	2.3
15 Leather and related products, footwear	1.5	1.6	1.9	1.1	2.8	1.9	1.6	1.5
16-18 Wood and paper products and printing	0.2	0.5	0.5	5.6	9.0	9.6	7.0	17.5
16 Wood and wood products, except furniture	0.0	0.0	0.0	1.3	1.9	2.4	2.9	14.1
17 Paper and paper products	0.0	0.0	0.0	3.0	4.4	5.4	3.0	2.2
18 Printing and reproduction of recorded media	0.2	0.5	0.5	1.4	2.7	1.8	1.2	1.2
19-23 Chemical, rubber, plastic, non-metallic mineral products	153.6	207.4	209.0	257.6	252.5	306.8	321.9	338.4
19 Coke and refined petroleum products	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
20-21 Chemical and pharmaceutical products	140.2	194.2	196.7	240.3	235.2	286.7	300.8	312.2
20 Chemicals and chemical products	15.5	20.4	20.7	22.4	24.5	36.5	38.0	38.7
21 Pharmaceuticals, medicinal, chemical and botanical products	124.7	173.8	176.0	217.9	210.7	250.2	262.7	273.6
22 Rubber and plastic products	9.8	8.2	8.9	10.6	13.1	15.3	16.5	16.5
23 Other non-metallic mineral products	3.6	5.1	3.3	6.6	4.2	4.8	4.6	9.7
24-25 Basic metals, metal products, except machinery and equipment	23.6	31.0	25.7	31.9	34.8	47.8	58.9	74.9
24 Basic metals	3.5	4.9	4.3	11.4	10.9	13.7	15.0	10.5
25 Fabricated metal products, except machinery and equipment	20.1	26.1	21.4	20.6	24.0	34.0	43.9	64.4
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	158.7	162.3	162.5	214.7	221.5	243.7	332.5	340.1
26 Computer, electronic and optical products	82.3	72.7	70.4	76.3	69.1	68.8	77.1	80.8
27 Electrical equipment	29.3	33.9	36.7	51.1	67.0	76.5	112.3	105.6
28 Machinery and equipment n.e.c.	28.9	23.7	22.2	25.8	26.4	34.4	54.5	26.7
29 Motor vehicles, trailers and semi-trailers	18.1	31.5	29.3	57.0	52.8	53.6	78.9	124.1
30 Other transport equipment	0.0	0.4	3.8	4.5	6.3	10.4	9.7	3.1
31-33 Furniture; repair, installation of machinery and equipment	9.8	13.5	15.0	15.9	12.9	16.3	23.8	26.6
31 Furniture	..	..	..	1.1	1.9	4.1	4.5	6.0
32 Other manufacturing	..	..	..	4.4	5.9	6.9	12.1	17.4
33 Repair and installation of machinery and equipment	..	..	..	10.4	5.1	5.3	7.1	3.3
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>0.3</b>	<b>0.4</b>	<b>0.0</b>	<b>0.6</b>	<b>2.4</b>	<b>1.9</b>	<b>5.9</b>	<b>8.8</b>
35-36 Electricity, gas and water	..	..	..	0.6	2.2	1.9	4.7	6.7
37-39 Sewerage, waste management and remediation activities	..	..	..	0.1	0.1	0.1	1.1	2.1
<b>41-43 CONSTRUCTION</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.6</b>	<b>0.3</b>	<b>0.8</b>	<b>2.4</b>	<b>2.6</b>
<b>45-99 TOTAL SERVICES</b>	<b>33.7</b>	<b>44.0</b>	<b>45.4</b>	<b>85.7</b>	<b>106.5</b>	<b>139.6</b>	<b>276.2</b>	<b>327.4</b>
<b>45-82 Business sector services</b>	<b>30.1</b>	<b>42.1</b>	<b>45.3</b>	<b>85.0</b>	<b>105.7</b>	<b>138.2</b>	<b>270.4</b>	<b>320.1</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>3.5</b>	<b>2.7</b>	<b>1.4</b>	<b>3.1</b>	<b>10.6</b>	<b>9.2</b>	<b>9.9</b>	<b>9.7</b>
<b>49-53 Transportation and storage</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.1</b>	<b>2.1</b>	<b>2.4</b>	<b>3.3</b>	<b>1.3</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>58-63 Information and communication</b>	<b>3.2</b>	<b>10.2</b>	<b>13.1</b>	<b>29.6</b>	<b>36.6</b>	<b>43.4</b>	<b>77.6</b>	<b>79.2</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	4.0	2.7	1.7	6.2	21.8
58 Publishing activities	..	..	..	4.0	2.7	1.7	6.2	6.6
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	0.0	0.0	0.0	0.1	15.2
59 Motion picture, video and TV programme production; sound and music	..	..	..	0.0	0.0	0.0	0.1	0.0
60 Programming and broadcasting activities	..	..	..	0.0	0.0	0.0	0.0	15.2
61 Telecommunications	..	..	..	1.5	3.1	7.4	7.3	4.4
62-63 IT and other information services	2.6	8.6	11.1	24.1	30.8	34.2	64.0	53.0
62 Computer programming, consultancy and related activities	..	..	..	21.6	29.8	31.0	59.8	47.9
63 Information service activities	..	..	..	2.4	1.0	3.2	4.3	5.1
<b>64-66 Financial and insurance activities</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.9</b>	<b>1.0</b>	<b>2.3</b>	<b>19.8</b>	<b>11.9</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>22.9</b>	<b>28.6</b>	<b>30.3</b>	<b>51.3</b>	<b>55.2</b>	<b>80.9</b>	<b>159.7</b>	<b>217.9</b>
68 Real estate activities	..	..	..	0.0	0.0	0.0	0.0	0.1
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	35.1	40.2	41.8	70.0	70.1
72 Scientific research and development	0.9	0.0	10.1	14.1	13.0	38.4	89.7	147.6
77-82 Administrative and support service activities	..	..	..	2.0	2.1	0.7	0.1	0.1
84-99 Community, social and personal services	3.5	2.0	0.2	0.7	0.8	1.4	5.8	7.3
84-85 Public administration and defence; compulsory social security and education	..	..	..	0.1	0.1	0.5	1.2	1.8
86-88 Human health and social work activities	..	..	..	0.6	0.6	0.9	2.7	2.3
90-93 Arts, entertainment and recreation	..	..	..	0.0	0.0	0.0	0.1	0.2
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	0.0	0.0	0.0	1.8	2.9

.. Not available

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## SLOVENIA

## R&amp;D expenditure in industry by main activity of the enterprise, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>397.1</b>	<b>466.5</b>	<b>460.2</b>	<b>587.8</b>	<b>606.3</b>	<b>730.4</b>	<b>942.8</b>	<b>1 001.1</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.4</b>	<b>0.7</b>	<b>0.9</b>
<b>05-09 MINING AND QUARRYING</b>	<b>6.9</b>	<b>6.8</b>	<b>3.5</b>	<b>5.1</b>	<b>7.8</b>	<b>7.7</b>	<b>8.6</b>	<b>6.7</b>
<b>10-33 MANUFACTURING</b>	<b>356.1</b>	<b>416.5</b>	<b>412.6</b>	<b>501.2</b>	<b>498.1</b>	<b>590.5</b>	<b>679.5</b>	<b>702.8</b>
10-12 Food products, beverages and tobacco	1.6	2.0	1.6	2.2	2.2	2.6	5.6	6.1
13-15 Textiles, wearing apparel, leather and related products	8.7	11.3	11.5	6.9	9.1	9.8	9.6	12.0
13 Textiles	6.3	6.2	8.3	5.2	5.9	7.8	7.9	8.8
14 Wearing apparel	0.9	3.6	1.4	0.7	0.6	0.3	0.3	2.0
15 Leather and related products, footwear	1.5	1.5	1.8	1.1	2.6	1.8	1.4	1.2
16-18 Wood and paper products and printing	0.2	0.5	0.5	5.2	8.2	8.9	6.3	15.0
16 Wood and wood products, except furniture	0.0	0.0	0.0	1.2	1.7	2.2	2.6	12.1
17 Paper and paper products	0.0	0.0	0.0	2.8	4.0	5.0	2.7	1.9
18 Printing and reproduction of recorded media	0.2	0.5	0.5	1.3	2.4	1.7	1.0	1.0
19-23 Chemical, rubber, plastic, non-metallic mineral products	153.6	201.7	202.3	241.2	231.6	284.2	287.4	290.5
19 Coke and refined petroleum products	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
20-21 Chemical and pharmaceutical products	140.2	188.8	190.4	225.0	215.7	265.5	268.5	268.0
20 Chemicals and chemical products	15.5	19.8	20.1	21.0	22.5	33.8	34.0	33.2
21 Pharmaceuticals, medicinal, chemical and botanical products	124.7	169.0	170.3	204.0	193.2	231.7	234.6	234.9
22 Rubber and plastic products	9.8	8.0	8.6	10.0	12.0	14.2	14.7	14.2
23 Other non-metallic mineral products	3.6	4.9	3.2	6.2	3.9	4.5	4.2	8.3
24-25 Basic metals, metal products, except machinery and equipment	23.6	30.1	24.9	29.9	31.9	44.2	52.6	64.3
24 Basic metals	3.5	4.8	4.1	10.6	10.0	12.7	13.4	9.0
25 Fabricated metal products, except machinery and equipment	20.1	25.3	20.8	19.2	22.0	31.5	39.2	55.3
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	158.7	157.8	157.3	201.0	203.2	225.7	296.9	292.0
26 Computer, electronic and optical products	82.3	70.7	68.2	71.5	63.3	63.7	68.8	69.4
27 Electrical equipment	29.3	33.0	35.5	47.8	61.4	70.9	100.3	90.6
28 Machinery and equipment n.e.c.	28.9	23.0	21.5	24.1	24.2	31.8	48.7	22.9
29 Motor vehicles, trailers and semi-trailers	18.1	30.6	28.4	53.3	48.4	49.7	70.5	106.5
30 Other transport equipment	0.0	0.4	3.7	4.3	5.8	9.6	8.7	2.6
31-33 Furniture; repair, installation of machinery and equipment	9.8	13.1	14.5	14.9	11.8	15.1	21.2	22.9
31 Furniture	..	..	..	1.0	1.7	3.8	4.0	5.1
32 Other manufacturing	..	..	..	4.1	5.4	6.4	10.8	14.9
33 Repair and installation of machinery and equipment	..	..	..	9.7	4.7	4.9	6.4	2.9
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>0.3</b>	<b>0.4</b>	<b>0.0</b>	<b>0.6</b>	<b>2.2</b>	<b>1.8</b>	<b>5.3</b>	<b>7.5</b>
35-36 Electricity, gas and water	..	..	..	0.5	2.1	1.7	4.2	5.8
37-39 Sewerage, waste management and remediation activities	..	..	..	0.1	0.1	0.1	1.0	1.8
<b>41-43 CONSTRUCTION</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.6</b>	<b>0.3</b>	<b>0.7</b>	<b>2.1</b>	<b>2.2</b>
<b>45-99 TOTAL SERVICES</b>	<b>33.7</b>	<b>42.8</b>	<b>44.0</b>	<b>80.3</b>	<b>97.7</b>	<b>129.3</b>	<b>246.6</b>	<b>281.0</b>
<b>45-82 Business sector services</b>	<b>30.1</b>	<b>40.9</b>	<b>43.8</b>	<b>79.6</b>	<b>97.0</b>	<b>128.0</b>	<b>241.4</b>	<b>274.8</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>3.5</b>	<b>2.7</b>	<b>1.3</b>	<b>2.9</b>	<b>9.8</b>	<b>8.5</b>	<b>8.8</b>	<b>8.4</b>
<b>49-53 Transportation and storage</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.1</b>	<b>2.0</b>	<b>2.2</b>	<b>3.0</b>	<b>1.1</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>58-63 Information and communication</b>	<b>3.2</b>	<b>9.9</b>	<b>12.7</b>	<b>27.8</b>	<b>33.6</b>	<b>40.2</b>	<b>69.2</b>	<b>68.0</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	3.8	2.5	1.6	5.6	18.7
58 Publishing activities	..	..	..	3.8	2.5	1.6	5.5	5.6
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	0.0	0.0	0.0	0.1	13.1
59 Motion picture, video and TV programme production; sound and music	..	..	..	0.0	0.0	0.0	0.1	0.0
60 Programming and broadcasting activities	..	..	..	0.0	0.0	0.0	0.0	13.1
61 Telecommunications	..	..	..	1.4	2.9	6.9	6.5	3.8
62-63 IT and other information services	2.6	8.4	10.8	22.5	28.2	31.7	57.2	45.5
62 Computer programming, consultancy and related activities	..	..	..	20.3	27.3	28.7	53.4	41.1
63 Information service activities	..	..	..	2.3	0.9	3.0	3.8	4.4
<b>64-66 Financial and insurance activities</b>	<b>0.5</b>	<b>0.4</b>	<b>0.3</b>	<b>0.8</b>	<b>0.9</b>	<b>2.2</b>	<b>17.7</b>	<b>10.2</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>22.9</b>	<b>27.8</b>	<b>29.3</b>	<b>48.0</b>	<b>50.7</b>	<b>74.9</b>	<b>142.6</b>	<b>187.1</b>
68 Real estate activities	..	..	..	0.0	0.0	0.0	0.0	0.1
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	32.9	36.9	38.7	62.5	60.2
72 Scientific research and development	0.9	0.0	9.8	13.2	11.9	35.5	80.0	126.7
77-82 Administrative and support service activities	..	..	..	1.9	1.9	0.7	0.1	0.0
84-99 Community, social and personal services	3.5	1.9	0.1	0.7	0.7	1.3	5.2	6.3
84-85 Public administration and defence; compulsory social security and education	..	..	..	0.1	0.1	0.4	1.1	1.6
86-88 Human health and social work activities	..	..	..	0.5	0.6	0.8	2.4	2.0
90-93 Arts, entertainment and recreation	..	..	..	0.0	0.0	0.0	0.1	0.2
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	0.0	0.0	0.0	1.6	2.5

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.Information on data for Israel: <http://oe.cd/israel-disclaimer>.Disclaimer: <http://oe.cd/disclaimer>

# SPAIN

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>7 170.8</b>	<b>8 923.4</b>	<b>10 223.6</b>	<b>11 211.2</b>	<b>10 707.6</b>	<b>10 465.1</b>	<b>10 484.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>175.5</b>	<b>153.8</b>	<b>154.9</b>	<b>126.1</b>	<b>104.2</b>	<b>144.8</b>	<b>138.2</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>17.8</b>	<b>21.7</b>	<b>189.4</b>	<b>36.5</b>	<b>25.4</b>	<b>28.2</b>	<b>39.8</b>	..
<b>10-33 MANUFACTURING</b>	<b>4 581.7</b>	<b>5 414.1</b>	<b>5 671.8</b>	<b>5 806.4</b>	<b>5 725.8</b>	<b>5 681.3</b>	<b>5 840.1</b>	..
10-12 Food products, beverages and tobacco	240.4	287.2	335.6	350.9	331.1	306.4	316.0	..
13-15 Textiles, wearing apparel, leather and related products	126.3	166.6	172.3	171.7	142.8	136.8	133.4	..
13 Textiles	61.5	72.4	82.8	69.6	53.7	54.3	54.2	..
14 Wearing apparel	42.7	59.2	64.5	72.4	63.0	54.1	53.2	..
15 Leather and related products, footwear	22.0	34.9	24.9	29.7	26.1	28.4	26.0	..
16-18 Wood and paper products and printing	60.5	83.7	92.0	124.9	90.6	68.3	73.0	..
16 Wood and wood products, except furniture	13.3	20.9	19.4	33.4	22.3	26.1	23.8	..
17 Paper and paper products	33.2	35.8	34.8	45.4	44.7	24.9	35.7	..
18 Printing and reproduction of recorded media	13.9	27.0	37.7	46.1	23.6	17.2	13.5	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 439.2	1 736.9	1 855.0	1 932.9	1 864.1	1 782.4	1 803.8	..
19 Coke and refined petroleum products	75.1	77.1	104.2	87.2	73.7	85.0	98.7	..
20-21 Chemical and pharmaceutical products	1 115.8	1 337.4	1 416.1	1 502.7	1 460.2	1 387.0	1 409.1	..
20 Chemicals and chemical products	302.7	366.4	363.2	440.7	371.5	379.3	372.3	..
21 Pharmaceuticals, medicinal, chemical and botanical products	813.1	971.0	1 052.9	1 061.9	1 088.7	1 007.7	1 036.8	..
22 Rubber and plastic products	126.8	148.3	161.1	194.3	196.4	185.2	178.5	..
23 Other non-metallic mineral products	121.6	174.1	173.7	148.8	133.8	125.2	117.5	..
24-25 Basic metals, metal products, except machinery and equipment	245.3	344.6	348.8	404.0	348.7	351.6	386.0	..
24 Basic metals	89.8	136.7	139.4	146.1	116.2	126.2	156.2	..
25 Fabricated metal products, except machinery and equipment	155.5	207.9	209.4	257.8	232.6	225.4	229.8	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	2 326.8	2 666.3	2 719.8	2 636.9	2 777.2	2 904.8	2 993.5	..
26 Computer, electronic and optical products	340.0	397.4	533.7	396.6	348.7	340.6	307.0	..
27 Electrical equipment	276.0	337.5	300.7	361.9	344.8	345.1	351.3	..
28 Machinery and equipment n.e.c.	384.7	406.9	458.5	418.6	469.9	426.5	414.6	..
29 Motor vehicles, trailers and semi-trailers	710.6	746.3	829.0	786.2	884.4	914.8	850.3	..
30 Other transport equipment	615.5	778.2	598.0	673.7	729.3	877.7	1 070.3	..
31-33 Furniture; repair, installation of machinery and equipment	143.2	128.8	148.4	185.2	171.3	130.9	134.3	..
31 Furniture	..	..	..	36.0	36.6	28.9	28.1	..
32 Other manufacturing	..	..	..	108.8	99.7	81.5	87.5	..
33 Repair and installation of machinery and equipment	..	..	..	40.4	35.0	20.6	18.7	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>83.5</b>	<b>93.6</b>	<b>232.2</b>	<b>266.8</b>	<b>300.9</b>	<b>344.1</b>	<b>400.9</b>	..
35-36 Electricity, gas and water	..	..	..	220.0	247.9	298.8	358.2	..
37-39 Sewerage, waste management and remediation activities	..	..	..	46.9	53.0	45.3	42.7	..
<b>41-43 CONSTRUCTION</b>	<b>168.9</b>	<b>276.7</b>	<b>501.1</b>	<b>402.1</b>	<b>340.3</b>	<b>302.0</b>	<b>234.6</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>2 143.4</b>	<b>2 963.6</b>	<b>3 474.2</b>	<b>4 573.3</b>	<b>4 211.1</b>	<b>3 964.7</b>	<b>3 831.1</b>	..
<b>45-82 Business sector services</b>	<b>1 980.4</b>	<b>2 727.2</b>	<b>3 069.3</b>	<b>4 109.7</b>	<b>3 843.7</b>	<b>3 634.3</b>	<b>3 521.3</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>176.4</b>	<b>268.6</b>	<b>222.3</b>	<b>616.1</b>	<b>449.8</b>	<b>383.0</b>	<b>383.6</b>	..
<b>49-53 Transportation and storage</b>	<b>59.7</b>	<b>83.6</b>	<b>89.1</b>	<b>135.0</b>	<b>113.2</b>	<b>132.8</b>	<b>96.5</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>12.0</b>	<b>18.9</b>	<b>17.1</b>	<b>18.4</b>	<b>17.0</b>	<b>9.2</b>	<b>3.3</b>	..
<b>58-63 Information and communication</b>	<b>919.4</b>	<b>1 442.7</b>	<b>1 540.8</b>	<b>1 769.0</b>	<b>1 643.9</b>	<b>1 476.9</b>	<b>1 445.4</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	169.4	110.9	114.2	99.7	..
58 Publishing activities	..	..	..	106.8	63.5	66.9	55.9	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	62.6	47.4	47.3	43.8	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	41.9	21.1	23.2	18.4	..
60 Programming and broadcasting activities	..	..	..	20.6	26.3	24.1	25.4	..
61 Telecommunications	372.8	778.6	580.6	659.1	574.9	441.4	404.3	..
62-63 IT and other information services	..	..	..	940.5	958.0	921.3	941.5	..
62 Computer programming, consultancy and related activities	..	..	..	898.1	907.3	867.2	865.6	..
63 Information service activities	..	..	..	42.4	50.7	54.1	75.9	..
<b>64-66 Financial and insurance activities</b>	<b>195.0</b>	<b>201.5</b>	<b>175.8</b>	<b>188.1</b>	<b>260.8</b>	<b>274.5</b>	<b>216.9</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>618.0</b>	<b>711.9</b>	<b>1 024.3</b>	<b>1 383.1</b>	<b>1 359.0</b>	<b>1 357.8</b>	<b>1 375.6</b>	..
68 Real estate activities	..	..	..	10.1	12.9	11.5	9.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	985.1	922.7	926.8	1 095.8	..
72 Scientific research and development	0.0	98.8	66.4	321.0	355.3	360.6	216.6	..
77-82 Administrative and support service activities	..	..	..	66.9	68.0	58.9	54.2	..
84-99 Community, social and personal services	162.9	236.4	404.9	463.6	367.4	330.4	309.9	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	162.1	103.2	74.5	52.8	..
86-88 Human health and social work activities	..	..	..	245.4	221.8	218.0	216.3	..
90-93 Arts, entertainment and recreation	..	..	..	12.2	8.0	11.1	6.9	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	43.9	34.4	26.8	33.9	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# SPAIN

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>7 170.8</b>	<b>8 232.1</b>	<b>9 061.3</b>	<b>9 586.8</b>	<b>8 979.2</b>	<b>8 899.6</b>	<b>8 767.6</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>175.5</b>	<b>141.9</b>	<b>137.3</b>	<b>107.8</b>	<b>87.4</b>	<b>123.1</b>	<b>115.6</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>17.8</b>	<b>20.0</b>	<b>167.9</b>	<b>31.2</b>	<b>21.3</b>	<b>24.0</b>	<b>33.3</b>	..
<b>10-33 MANUFACTURING</b>	<b>4 581.7</b>	<b>4 994.6</b>	<b>5 027.0</b>	<b>4 965.1</b>	<b>4 801.5</b>	<b>4 831.4</b>	<b>4 883.6</b>	..
10-12 Food products, beverages and tobacco	240.4	265.0	297.4	300.1	277.7	260.6	264.3	..
13-15 Textiles, wearing apparel, leather and related products	126.3	153.7	152.7	146.8	119.7	116.3	111.5	..
13 Textiles	61.5	66.8	73.4	59.5	45.0	46.1	45.3	..
14 Wearing apparel	42.7	54.7	57.2	61.9	52.8	46.0	44.5	..
15 Leather and related products, footwear	22.0	32.2	22.1	25.4	21.9	24.2	21.7	..
16-18 Wood and paper products and printing	60.5	77.2	81.5	106.8	76.0	58.1	61.0	..
16 Wood and wood products, except furniture	13.3	19.3	17.2	28.6	18.7	22.2	19.9	..
17 Paper and paper products	33.2	33.0	30.9	38.9	37.5	21.2	29.8	..
18 Printing and reproduction of recorded media	13.9	24.9	33.4	39.4	19.8	14.7	11.3	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	1 439.2	1 602.3	1 644.1	1 652.8	1 563.2	1 515.8	1 508.4	..
19 Coke and refined petroleum products	75.1	71.1	92.4	74.5	61.8	72.2	82.5	..
20-21 Chemical and pharmaceutical products	1 115.8	1 233.8	1 255.1	1 284.9	1 224.5	1 179.5	1 178.3	..
20 Chemicals and chemical products	302.7	338.0	321.9	376.9	311.5	322.5	311.4	..
21 Pharmaceuticals, medicinal, chemical and botanical products	813.1	895.8	933.2	908.1	913.0	856.9	867.0	..
22 Rubber and plastic products	126.8	136.8	142.7	166.1	164.7	157.5	149.3	..
23 Other non-metallic mineral products	121.6	160.6	153.9	127.2	112.2	106.5	98.3	..
24-25 Basic metals, metal products, except machinery and equipment	245.3	317.9	309.1	345.4	292.4	299.0	322.8	..
24 Basic metals	89.8	126.1	123.5	124.9	97.4	107.3	130.6	..
25 Fabricated metal products, except machinery and equipment	155.5	191.8	185.6	220.5	195.0	191.7	192.2	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	2 326.8	2 459.8	2 410.6	2 254.8	2 328.9	2 470.3	2 503.2	..
26 Computer, electronic and optical products	340.0	366.6	473.0	339.1	292.4	289.7	256.7	..
27 Electrical equipment	276.0	311.3	266.5	309.5	289.2	293.5	293.8	..
28 Machinery and equipment n.e.c.	384.7	375.4	406.4	357.9	394.1	362.7	346.7	..
29 Motor vehicles, trailers and semi-trailers	710.6	688.5	734.7	672.3	741.7	778.0	711.0	..
30 Other transport equipment	615.5	717.9	530.0	576.0	611.5	746.4	895.0	..
31-33 Furniture; repair, installation of machinery and equipment	143.2	118.8	131.5	158.4	143.6	111.3	112.3	..
31 Furniture	..	..	..	30.8	30.7	24.6	23.5	..
32 Other manufacturing	..	..	..	93.0	83.6	69.3	73.1	..
33 Repair and installation of machinery and equipment	..	..	..	34.6	29.3	17.5	15.6	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>83.5</b>	<b>86.3</b>	<b>205.8</b>	<b>228.2</b>	<b>252.3</b>	<b>292.6</b>	<b>335.2</b>	..
35-36 Electricity, gas and water	..	..	..	188.1	207.9	254.1	299.6	..
37-39 Sewerage, waste management and remediation activities	..	..	..	40.1	44.4	38.5	35.7	..
<b>41-43 CONSTRUCTION</b>	<b>168.9</b>	<b>255.3</b>	<b>444.1</b>	<b>343.8</b>	<b>285.4</b>	<b>256.9</b>	<b>196.2</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>2 143.4</b>	<b>2 734.0</b>	<b>3 079.2</b>	<b>3 910.7</b>	<b>3 531.3</b>	<b>3 371.6</b>	<b>3 203.7</b>	..
<b>45-82 Business sector services</b>	<b>1 980.4</b>	<b>2 515.9</b>	<b>2 720.3</b>	<b>3 514.3</b>	<b>3 223.3</b>	<b>3 090.6</b>	<b>2 944.6</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>176.4</b>	<b>247.7</b>	<b>197.0</b>	<b>526.8</b>	<b>377.2</b>	<b>325.7</b>	<b>320.8</b>	..
<b>49-53 Transportation and storage</b>	<b>59.7</b>	<b>77.1</b>	<b>79.0</b>	<b>115.5</b>	<b>94.9</b>	<b>113.0</b>	<b>80.7</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>12.0</b>	<b>17.4</b>	<b>15.2</b>	<b>15.7</b>	<b>14.3</b>	<b>7.8</b>	<b>2.8</b>	..
<b>58-63 Information and communication</b>	<b>919.4</b>	<b>1 330.9</b>	<b>1 365.6</b>	<b>1 512.7</b>	<b>1 378.5</b>	<b>1 256.0</b>	<b>1 208.7</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	144.8	93.0	97.1	83.3	..
58 Publishing activities	..	..	..	91.3	53.3	56.9	46.7	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	53.5	39.7	40.2	36.6	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	35.9	17.7	19.7	15.4	..
60 Programming and broadcasting activities	..	..	..	17.6	22.0	20.5	21.2	..
61 Telecommunications	372.8	718.2	514.6	563.6	482.1	375.4	338.1	..
62-63 IT and other information services	..	..	..	804.2	803.4	783.5	787.3	..
62 Computer programming, consultancy and related activities	..	..	..	768.0	760.8	737.5	723.8	..
63 Information service activities	..	..	..	36.2	42.5	46.0	63.4	..
<b>64-66 Financial and insurance activities</b>	<b>195.0</b>	<b>185.9</b>	<b>155.8</b>	<b>160.9</b>	<b>218.7</b>	<b>233.4</b>	<b>181.4</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>618.0</b>	<b>656.8</b>	<b>907.8</b>	<b>1 182.7</b>	<b>1 139.6</b>	<b>1 154.7</b>	<b>1 150.3</b>	..
68 Real estate activities	..	..	..	8.6	10.8	9.8	7.6	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	842.4	773.8	788.2	916.3	..
72 Scientific research and development	0.0	91.2	58.8	274.5	298.0	306.6	181.1	..
77-82 Administrative and support service activities	..	..	..	57.2	57.0	50.1	45.3	..
84-99 Community, social and personal services	162.9	218.1	358.9	396.4	308.1	281.0	259.1	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	138.6	86.6	63.4	44.1	..
86-88 Human health and social work activities	..	..	..	209.8	186.0	185.4	180.9	..
90-93 Arts, entertainment and recreation	..	..	..	10.5	6.7	9.4	5.8	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	37.5	28.8	22.8	28.3	..

.. Not available

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# SWITZERLAND

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	7 735.7	..	..	..	9 212.8
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	..	..	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	..	..	..
<b>10-33 MANUFACTURING</b>	..	..	..	5 776.6	..	..	..	6 318.6
10-12 Food products, beverages and tobacco	..	..	..	80.1	..	..	..	43.8
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	..	..	..	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	..	..	..	..
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	3 356.4	..	..	..	3 094.7
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	..	..	..	..
20 Chemicals and chemical products	..	..	..	..	..	..	..	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	2 988.4	..	..	..	2 730.3
22 Rubber and plastic products	..	..	..	..	..	..	..	..
23 Other non-metallic mineral products	..	..	..	..	..	..	..	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	167.2	..	..	..	327.7
24 Basic metals	..	..	..	..	..	..	..	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	..	..	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	1 961.7	..	..	..	2 605.3
26 Computer, electronic and optical products	..	..	..	1 115.2	..	..	..	1 484.8
27 Electrical equipment	..	..	..	..	..	..	..	..
28 Machinery and equipment n.e.c.	..	..	..	..	..	..	..	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	..	..	..
30 Other transport equipment	..	..	..	..	..	..	..	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	..	..	..	..
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	..	..	..	..	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	..	..	..	..	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	..	..	..	..	..	..	..	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	1 959.1	..	..	..	2 894.2
<b>45-82 Business sector services</b>	..	..	..	..	..	..	..	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	..	..	..	..
<b>49-53 Transportation and storage</b>	..	..	..	..	..	..	..	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	..	..	..
<b>58-63 Information and communication</b>	..	..	..	..	..	..	..	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	..	..	..	..	..	..	..	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	..	..	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	..	..	..	..
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	..	..	..	696.1	..	..	..	2 648.4
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
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	..	..	..	..	..	..	..	..

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# SWITZERLAND

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	..	<b>6 383.8</b>	..	..	..	<b>6 805.8</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	..	..	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	..	..	..
<b>10-33 MANUFACTURING</b>	..	..	..	<b>4 767.1</b>	..	..	..	<b>4 667.7</b>
10-12 Food products, beverages and tobacco	..	..	..	66.1	..	..	..	32.4
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	..	..	..	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	..	..	..	..	..
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	2 769.9	..	..	..	2 286.2
19 Coke and refined petroleum products	..	..	..	..	..	..	..	..
20-21 Chemical and pharmaceutical products	..	..	..	..	..	..	..	..
20 Chemicals and chemical products	..	..	..	..	..	..	..	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	2 466.1	..	..	..	2 017.0
22 Rubber and plastic products	..	..	..	..	..	..	..	..
23 Other non-metallic mineral products	..	..	..	..	..	..	..	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	138.0	..	..	..	242.1
24 Basic metals	..	..	..	..	..	..	..	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	..	..	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	1 618.9	..	..	..	1 924.6
26 Computer, electronic and optical products	..	..	..	920.3	..	..	..	1 096.9
27 Electrical equipment	..	..	..	..	..	..	..	..
28 Machinery and equipment n.e.c.	..	..	..	..	..	..	..	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	..	..	..
30 Other transport equipment	..	..	..	..	..	..	..	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	..	..	..	..
31 Furniture	..	..	..	..	..	..	..	..
32 Other manufacturing	..	..	..	..	..	..	..	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	..	..	..	..	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	..	..	..	..	..	..	..	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	<b>1 616.7</b>	..	..	..	<b>2 138.0</b>
<b>45-82 Business sector services</b>	..	..	..	..	..	..	..	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	..	..	..	..
<b>49-53 Transportation and storage</b>	..	..	..	..	..	..	..	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	..	..	..
<b>58-63 Information and communication</b>	..	..	..	..	..	..	..	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	..
62-63 IT and other information services	..	..	..	..	..	..	..	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	..	..	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	..	..	..	..
68 Real estate activities	..	..	..	..	..	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	..	..	..	574.4	..	..	..	1 956.5
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
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	..	..	..	..	..	..	..	..

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# TURKEY

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>1 562.2</b>	<b>1 924.6</b>	<b>2 906.0</b>	<b>3 425.1</b>	<b>3 560.5</b>	<b>4 192.2</b>	<b>4 881.1</b>	<b>5 708.0</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>3.0</b>	<b>2.4</b>	<b>5.0</b>	<b>6.9</b>	<b>8.4</b>	<b>9.7</b>	<b>13.0</b>	<b>12.2</b>
<b>05-09 MINING AND QUARRYING</b>	<b>8.5</b>	<b>10.5</b>	<b>9.5</b>	<b>10.1</b>	<b>12.9</b>	<b>14.1</b>	<b>19.4</b>	<b>16.9</b>
<b>10-33 MANUFACTURING</b>	<b>1 194.7</b>	<b>1 455.3</b>	<b>2 080.2</b>	<b>2 320.5</b>	<b>2 217.2</b>	<b>2 164.1</b>	<b>2 603.5</b>	<b>3 027.0</b>
10-12 Food products, beverages and tobacco	39.1	77.7	59.9	75.7	82.8	64.7	76.7	79.9
13-15 Textiles, wearing apparel, leather and related products	42.8	41.9	52.8	62.3	69.8	68.5	97.2	105.5
13 Textiles	42.8	41.9	43.8	50.7	54.6	54.4	81.2	87.6
14 Wearing apparel	0.0	0.0	6.1	7.7	13.8	12.4	13.5	15.1
15 Leather and related products, footwear	0.0	0.0	3.0	3.9	1.5	1.8	2.5	2.8
16-18 Wood and paper products and printing	4.3	3.7	5.9	7.3	11.7	9.3	11.1	12.3
16 Wood and wood products, except furniture	0.0	0.0	1.4	1.7	3.2	1.5	3.5	3.2
17 Paper and paper products	4.3	3.7	0.5	0.6	4.7	4.6	4.4	5.6
18 Printing and reproduction of recorded media	0.0	0.0	4.0	5.0	3.8	3.1	3.2	3.5
19-23 Chemical, rubber, plastic, non-metallic mineral products	185.0	201.8	275.8	288.7	332.5	374.5	538.7	594.1
19 Coke and refined petroleum products	0.0	0.0	0.0	0.6	9.1	12.3	16.1	19.0
20-21 Chemical and pharmaceutical products	106.7	115.8	181.2	185.2	204.6	237.9	379.5	401.2
20 Chemicals and chemical products	..	..	..	..	103.6	140.0	182.7	215.7
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	101.0	98.0	196.8	185.5
22 Rubber and plastic products	42.4	37.4	46.5	54.3	62.6	68.2	78.4	97.0
23 Other non-metallic mineral products	35.9	48.6	48.0	48.5	56.1	56.1	64.7	76.8
24-25 Basic metals, metal products, except machinery and equipment	29.4	41.5	50.8	48.7	82.4	204.5	202.3	243.4
24 Basic metals	12.4	21.4	19.9	15.9	22.1	29.5	53.9	58.7
25 Fabricated metal products, except machinery and equipment	17.0	20.0	30.9	32.8	60.3	175.0	148.5	184.8
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	879.9	1 065.8	1 587.8	1 782.8	1 572.7	1 397.9	1 619.6	1 922.0
26 Computer, electronic and optical products	280.6	300.1	418.0	475.3	493.8	130.2	150.5	194.2
27 Electrical equipment	110.8	101.4	128.6	166.6	224.1	230.9	315.9	324.9
28 Machinery and equipment n.e.c.	72.3	79.3	98.7	151.9	160.1	182.3	237.3	292.1
29 Motor vehicles, trailers and semi-trailers	361.5	512.5	804.3	807.6	492.5	622.5	662.5	764.2
30 Other transport equipment	54.8	72.6	138.1	181.4	202.2	232.0	253.4	346.6
31-33 Furniture; repair, installation of machinery and equipment	14.2	22.9	47.1	54.9	65.3	44.7	57.8	69.8
31 Furniture	..	..	..	..	14.0	14.2	15.6	13.4
32 Other manufacturing	..	..	..	..	18.4	18.0	26.2	36.4
33 Repair and installation of machinery and equipment	..	..	..	..	32.9	12.5	16.0	19.9
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>5.9</b>	<b>15.3</b>	<b>10.6</b>	<b>12.2</b>	<b>17.9</b>	<b>11.4</b>	<b>17.1</b>	<b>29.7</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	12.5	24.7
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	4.6	5.1
<b>41-43 CONSTRUCTION</b>	<b>5.1</b>	<b>4.2</b>	<b>7.3</b>	<b>8.5</b>	<b>14.2</b>	<b>21.9</b>	<b>29.6</b>	<b>41.1</b>
<b>45-99 TOTAL SERVICES</b>	<b>344.9</b>	<b>436.8</b>	<b>793.3</b>	<b>1 066.8</b>	<b>1 289.9</b>	<b>1 971.0</b>	<b>2 198.4</b>	<b>2 581.1</b>
<b>45-82 Business sector services</b>	<b>343.4</b>	<b>429.5</b>	<b>769.6</b>	<b>1 042.7</b>	<b>1 261.2</b>	<b>1 959.2</b>	<b>2 183.7</b>	<b>2 559.4</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>21.3</b>	<b>25.5</b>	<b>51.7</b>	<b>59.2</b>	<b>152.2</b>	<b>114.7</b>	<b>179.6</b>	<b>151.8</b>
<b>49-53 Transportation and storage</b>	<b>1.2</b>	<b>1.9</b>	<b>2.9</b>	<b>4.2</b>	<b>4.8</b>	<b>10.4</b>	<b>10.1</b>	<b>17.4</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.5</b>
<b>58-63 Information and communication</b>	<b>252.1</b>	<b>378.2</b>	<b>468.8</b>	<b>627.7</b>	<b>737.1</b>	<b>1 179.1</b>	<b>1 152.1</b>	<b>1 432.3</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	101.4	185.3	66.7	22.5
58 Publishing activities	..	..	..	..	..	..	..	20.8
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	1.6
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	23.7	37.3	52.1	73.5	79.3	273.4	211.4	306.4
62-63 IT and other information services	..	..	..	..	556.4	720.4	874.0	1 103.4
62 Computer programming, consultancy and related activities	..	..	..	..	547.2	711.0	863.2	1 087.1
63 Information service activities	..	..	..	..	9.2	9.4	10.8	16.2
<b>64-66 Financial and insurance activities</b>	<b>55.0</b>	<b>11.4</b>	<b>169.7</b>	<b>205.9</b>	<b>151.9</b>	<b>65.0</b>	<b>94.8</b>	<b>92.8</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>13.8</b>	<b>12.6</b>	<b>76.6</b>	<b>145.7</b>	<b>214.6</b>	<b>590.0</b>	<b>747.1</b>	<b>864.7</b>
68 Real estate activities	..	..	..	..	0.0	0.0	0.0	0.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	60.4	16.9	27.8	31.3
72 Scientific research and development	0.0	0.0	59.8	111.1	151.0	570.6	717.1	830.8
77-82 Administrative and support service activities	..	..	..	..	3.1	2.5	2.1	2.6
84-99 Community, social and personal services	1.5	7.3	23.7	24.1	28.7	11.8	14.7	21.6
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	23.9	5.4	8.3	14.8
86-88 Human health and social work activities	..	..	..	..	2.1	3.8	3.3	3.7
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	..	..	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# TURKEY

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>1 562.2</b>	<b>1 793.9</b>	<b>2 605.6</b>	<b>2 821.8</b>	<b>2 844.1</b>	<b>3 280.0</b>	<b>3 690.8</b>	<b>4 227.0</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>3.0</b>	<b>2.3</b>	<b>4.5</b>	<b>5.7</b>	<b>6.7</b>	<b>7.6</b>	<b>9.8</b>	<b>9.1</b>
<b>05-09 MINING AND QUARRYING</b>	<b>8.5</b>	<b>9.8</b>	<b>8.6</b>	<b>8.3</b>	<b>10.3</b>	<b>11.0</b>	<b>14.7</b>	<b>12.5</b>
<b>10-33 MANUFACTURING</b>	<b>1 194.7</b>	<b>1 356.5</b>	<b>1 865.2</b>	<b>1 911.8</b>	<b>1 771.0</b>	<b>1 693.2</b>	<b>1 968.6</b>	<b>2 241.6</b>
10-12 Food products, beverages and tobacco	39.1	72.4	53.7	62.4	66.2	50.6	58.0	59.1
13-15 Textiles, wearing apparel, leather and related products	42.8	39.1	47.4	51.4	55.8	53.6	73.5	78.1
13 Textiles	42.8	39.1	39.3	41.8	43.6	42.6	61.4	64.8
14 Wearing apparel	0.0	0.0	5.4	6.3	11.0	9.7	10.2	11.2
15 Leather and related products, footwear	0.0	0.0	2.7	3.2	1.2	1.4	1.9	2.1
16-18 Wood and paper products and printing	4.3	3.4	5.3	6.0	9.4	7.2	8.4	9.1
16 Wood and wood products, except furniture	0.0	0.0	1.3	1.4	2.6	1.2	2.6	2.4
17 Paper and paper products	4.3	3.4	0.4	0.5	3.7	3.6	3.3	4.2
18 Printing and reproduction of recorded media	0.0	0.0	3.6	4.1	3.0	2.4	2.4	2.6
19-23 Chemical, rubber, plastic, non-metallic mineral products	185.0	188.1	247.3	237.8	265.6	293.0	407.3	439.9
19 Coke and refined petroleum products	0.0	0.0	0.0	0.5	7.3	9.6	12.2	14.1
20-21 Chemical and pharmaceutical products	106.7	107.9	162.5	152.6	163.4	186.2	286.9	297.1
20 Chemicals and chemical products	..	..	..	..	82.8	109.5	138.1	159.7
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	80.7	76.6	148.8	137.4
22 Rubber and plastic products	42.4	34.9	41.7	44.7	50.0	53.3	59.3	71.9
23 Other non-metallic mineral products	35.9	45.3	43.1	40.0	44.8	43.9	49.0	56.9
24-25 Basic metals, metal products, except machinery and equipment	29.4	38.7	45.6	40.1	65.8	160.0	153.0	180.3
24 Basic metals	12.4	20.0	17.8	13.1	17.7	23.1	40.7	43.4
25 Fabricated metal products, except machinery and equipment	17.0	18.7	27.7	27.0	48.2	136.9	112.3	136.8
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	879.9	993.4	1 423.6	1 468.8	1 256.2	1 093.8	1 224.6	1 423.3
26 Computer, electronic and optical products	280.6	279.7	374.8	391.6	394.4	101.8	113.8	143.8
27 Electrical equipment	110.8	94.5	115.3	137.2	179.0	180.7	238.9	240.6
28 Machinery and equipment n.e.c.	72.3	73.9	88.5	125.2	127.9	142.7	179.5	216.3
29 Motor vehicles, trailers and semi-trailers	361.5	477.7	721.2	665.4	393.4	487.1	500.9	565.9
30 Other transport equipment	54.8	67.7	123.9	149.5	161.5	181.5	191.6	256.7
31-33 Furniture; repair, installation of machinery and equipment	14.2	21.4	42.2	45.2	52.1	34.9	43.7	51.7
31 Furniture	..	..	..	..	11.2	11.1	11.8	9.9
32 Other manufacturing	..	..	..	..	14.7	14.1	19.8	27.0
33 Repair and installation of machinery and equipment	..	..	..	..	26.3	9.8	12.1	14.8
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>5.9</b>	<b>14.3</b>	<b>9.5</b>	<b>10.1</b>	<b>14.3</b>	<b>9.0</b>	<b>13.0</b>	<b>22.0</b>
35-36 Electricity, gas and water	..	..	..	..	..	..	9.5	18.3
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	3.5	3.8
<b>41-43 CONSTRUCTION</b>	<b>5.1</b>	<b>3.9</b>	<b>6.6</b>	<b>7.0</b>	<b>11.3</b>	<b>17.1</b>	<b>22.4</b>	<b>30.4</b>
<b>45-99 TOTAL SERVICES</b>	<b>344.9</b>	<b>407.2</b>	<b>711.3</b>	<b>878.9</b>	<b>1 030.4</b>	<b>1 542.1</b>	<b>1 662.3</b>	<b>1 911.4</b>
<b>45-82 Business sector services</b>	<b>343.4</b>	<b>400.4</b>	<b>690.0</b>	<b>859.1</b>	<b>1 007.5</b>	<b>1 532.8</b>	<b>1 651.2</b>	<b>1 895.4</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>21.3</b>	<b>23.8</b>	<b>46.4</b>	<b>48.7</b>	<b>121.6</b>	<b>89.7</b>	<b>135.8</b>	<b>112.4</b>
<b>49-53 Transportation and storage</b>	<b>1.2</b>	<b>1.8</b>	<b>2.6</b>	<b>3.5</b>	<b>3.8</b>	<b>8.1</b>	<b>7.7</b>	<b>12.9</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>
<b>58-63 Information and communication</b>	<b>252.1</b>	<b>352.5</b>	<b>420.3</b>	<b>517.1</b>	<b>588.8</b>	<b>922.6</b>	<b>871.1</b>	<b>1 060.7</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	81.0	145.0	50.4	16.6
58 Publishing activities	..	..	..	..	..	..	..	15.4
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	1.2
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	23.7	34.8	46.7	60.5	63.3	213.9	159.8	226.9
62-63 IT and other information services	..	..	..	..	444.5	563.6	660.9	817.1
62 Computer programming, consultancy and related activities	..	..	..	..	437.1	556.3	652.7	805.1
63 Information service activities	..	..	..	..	7.4	7.3	8.2	12.0
<b>64-66 Financial and insurance activities</b>	<b>55.0</b>	<b>10.6</b>	<b>152.1</b>	<b>169.6</b>	<b>121.4</b>	<b>50.8</b>	<b>71.7</b>	<b>68.7</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>13.8</b>	<b>11.8</b>	<b>68.7</b>	<b>120.1</b>	<b>171.4</b>	<b>461.6</b>	<b>564.9</b>	<b>640.3</b>
68 Real estate activities	..	..	..	..	0.0	0.0	0.0	0.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	48.3	13.2	21.0	23.2
72 Scientific research and development	0.0	0.0	53.6	91.6	120.6	446.4	542.2	615.3
77-82 Administrative and support service activities	..	..	..	..	2.5	2.0	1.6	1.9
84-99 Community, social and personal services	1.5	6.8	21.3	19.8	22.9	9.3	11.1	16.0
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	19.1	4.2	6.3	11.0
86-88 Human health and social work activities	..	..	..	..	1.7	3.0	2.5	2.8
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	..	..	..

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# UNITED KINGDOM

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	<b>24 199.5</b>	<b>24 423.8</b>	<b>23 910.7</b>	<b>23 248.1</b>	<b>24 934.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	<b>41.3</b>	<b>31.5</b>	<b>12.1</b>	<b>19.7</b>	<b>17.8</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	<b>102.0</b>	<b>112.0</b>	<b>136.8</b>	<b>197.5</b>	<b>247.8</b>	..
<b>10-33 MANUFACTURING</b>	..	..	<b>10 295.4</b>	<b>9 523.3</b>	<b>9 204.8</b>	<b>8 636.8</b>	<b>9 200.9</b>	..
10-12 Food products, beverages and tobacco	..	..	..	..	398.1	335.4	397.6	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	15.9	15.6	36.4	..
13 Textiles	..	..	..	..	12.1	13.5	32.8	..
14 Wearing apparel	..	..	..	..	2.1	1.2	1.7	..
15 Leather and related products, footwear	..	..	..	..	1.7	1.0	1.9	..
16-18 Wood and paper products and printing	..	..	..	..	25.9	26.2	21.6	..
16 Wood and wood products, except furniture	..	..	..	..	4.3	5.2	2.0	..
17 Paper and paper products	..	..	..	..	11.3	13.0	12.6	..
18 Printing and reproduction of recorded media	..	..	..	..	10.3	8.0	7.0	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	..	1 357.4	1 301.2	1 365.8	..
19 Coke and refined petroleum products	..	..	..	..	133.8	18.8	27.1	..
20-21 Chemical and pharmaceutical products	..	..	..	..	1 046.2	1 126.1	1 164.1	..
20 Chemicals and chemical products	..	..	..	..	417.3	464.0	406.9	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	628.8	662.1	757.1	..
22 Rubber and plastic products	..	..	..	..	113.7	96.5	116.5	..
23 Other non-metallic mineral products	..	..	..	..	63.8	59.8	58.2	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	..	1 028.9	931.4	914.1	..
24 Basic metals	..	..	..	..	71.2	71.5	124.9	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	957.7	859.9	789.2	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	..	5 909.1	5 535.9	6 116.6	..
26 Computer, electronic and optical products	..	..	..	..	1 489.8	1 196.3	1 400.1	..
27 Electrical equipment	..	..	..	..	210.0	236.3	218.1	..
28 Machinery and equipment n.e.c.	..	..	..	..	962.8	899.4	907.5	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	1 476.7	1 529.0	1 855.6	..
30 Other transport equipment	..	..	..	..	1 768.2	1 675.1	1 735.0	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	469.5	491.1	348.8	..
31 Furniture	..	..	..	..	41.8	47.3	71.6	..
32 Other manufacturing	..	..	..	..	131.6	207.6	167.9	..
33 Repair and installation of machinery and equipment	..	..	..	..	296.1	236.1	109.3	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	<b>49.5</b>	<b>38.3</b>	<b>47.6</b>	<b>43.3</b>	<b>47.1</b>	..
35-36 Electricity, gas and water	..	..	..	..	35.0	32.7	37.5	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	12.5	10.6	9.6	..
<b>41-43 CONSTRUCTION</b>	..	..	<b>31.4</b>	<b>42.9</b>	<b>83.1</b>	<b>55.0</b>	<b>53.7</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	<b>13 679.8</b>	<b>14 675.9</b>	<b>14 426.3</b>	<b>14 296.1</b>	<b>15 367.6</b>	..
<b>45-82 Business sector services</b>	..	..	..	..	<b>14 185.1</b>	<b>13 987.6</b>	<b>15 020.8</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	<b>898.3</b>	<b>1 090.1</b>	<b>1 097.0</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	..	<b>44.4</b>	<b>41.5</b>	<b>42.4</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	<b>13.0</b>	<b>27.1</b>	<b>36.4</b>	..
<b>58-63 Information and communication</b>	..	..	..	..	<b>3 481.9</b>	<b>3 023.3</b>	<b>3 354.9</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	121.4	103.5	121.8	..
58 Publishing activities	..	..	..	..	77.4	64.4	87.9	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	43.9	38.9	33.8	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	31.7	34.3	25.1	..
60 Programming and broadcasting activities	..	..	..	..	12.2	4.6	8.7	..
61 Telecommunications	..	..	..	..	1 549.8	1 194.4	1 029.6	..
62-63 IT and other information services	..	..	..	..	1 810.7	1 725.4	2 203.5	..
62 Computer programming, consultancy and related activities	..	..	..	..	1 686.0	1 660.6	2 140.2	..
63 Information service activities	..	..	..	..	124.7	64.8	63.3	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	<b>580.3</b>	<b>504.1</b>	<b>434.9</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	<b>9 167.1</b>	<b>9 301.3</b>	<b>10 055.3</b>	..
68 Real estate activities	..	..	..	..	16.4	14.5	14.2	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	1 200.0	1 229.4	1 392.7	..
72 Scientific research and development	..	..	6 797.4	7 639.2	7 822.7	7 860.2	8 369.7	..
77-82 Administrative and support service activities	..	..	..	..	128.1	197.2	278.7	..
84-99 Community, social and personal services	..	..	..	..	241.2	308.5	346.8	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	24.8	12.6	11.2	..
86-88 Human health and social work activities	..	..	..	..	4.6	36.5	25.1	..
90-93 Arts, entertainment and recreation	..	..	..	..	188.7	219.5	275.2	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	23.1	39.9	35.4	..

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# UNITED KINGDOM

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	..	..	<b>23 348.0</b>	<b>23 010.8</b>	<b>22 124.2</b>	<b>22 067.0</b>	<b>23 368.3</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	<b>39.9</b>	<b>29.7</b>	<b>11.2</b>	<b>18.7</b>	<b>16.6</b>	..
<b>05-09 MINING AND QUARRYING</b>	..	..	<b>98.4</b>	<b>105.5</b>	<b>126.6</b>	<b>187.5</b>	<b>232.2</b>	..
<b>10-33 MANUFACTURING</b>	..	..	<b>9 933.1</b>	<b>8 972.4</b>	<b>8 517.1</b>	<b>8 198.0</b>	<b>8 622.9</b>	..
10-12 Food products, beverages and tobacco	..	..	..	..	368.3	318.4	372.6	..
13-15 Textiles, wearing apparel, leather and related products	..	..	..	..	14.7	14.8	34.1	..
13 Textiles	..	..	..	..	11.2	12.8	30.7	..
14 Wearing apparel	..	..	..	..	2.0	1.1	1.6	..
15 Leather and related products, footwear	..	..	..	..	1.6	1.0	1.7	..
16-18 Wood and paper products and printing	..	..	..	..	23.9	24.9	20.3	..
16 Wood and wood products, except furniture	..	..	..	..	4.0	4.9	1.9	..
17 Paper and paper products	..	..	..	..	10.5	12.4	11.8	..
18 Printing and reproduction of recorded media	..	..	..	..	9.5	7.6	6.6	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	..	1 256.0	1 235.1	1 280.0	..
19 Coke and refined petroleum products	..	..	..	..	123.8	17.9	25.4	..
20-21 Chemical and pharmaceutical products	..	..	..	..	968.0	1 068.9	1 090.9	..
20 Chemicals and chemical products	..	..	..	..	386.2	440.5	381.4	..
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	..	581.9	628.5	709.6	..
22 Rubber and plastic products	..	..	..	..	105.2	91.6	109.1	..
23 Other non-metallic mineral products	..	..	..	..	59.0	56.7	54.5	..
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	..	952.0	884.1	856.7	..
24 Basic metals	..	..	..	..	65.8	67.8	117.1	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	886.2	816.2	739.6	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	..	5 467.6	5 254.6	5 732.3	..
26 Computer, electronic and optical products	..	..	..	..	1 378.5	1 135.5	1 312.2	..
27 Electrical equipment	..	..	..	..	194.3	224.3	204.4	..
28 Machinery and equipment n.e.c.	..	..	..	..	890.8	853.7	850.5	..
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	1 366.3	1 451.3	1 739.0	..
30 Other transport equipment	..	..	..	..	1 636.1	1 590.0	1 626.0	..
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	..	434.4	466.1	326.9	..
31 Furniture	..	..	..	..	38.7	44.9	67.1	..
32 Other manufacturing	..	..	..	..	121.8	197.1	157.3	..
33 Repair and installation of machinery and equipment	..	..	..	..	274.0	224.1	102.4	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	<b>47.8</b>	<b>36.0</b>	<b>44.0</b>	<b>41.1</b>	<b>44.2</b>	..
35-36 Electricity, gas and water	..	..	..	..	32.4	31.0	35.2	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	11.6	10.0	9.0	..
<b>41-43 CONSTRUCTION</b>	..	..	<b>30.3</b>	<b>40.4</b>	<b>76.9</b>	<b>52.2</b>	<b>50.3</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	<b>13 198.4</b>	<b>13 826.9</b>	<b>13 348.4</b>	<b>13 569.8</b>	<b>14 402.2</b>	..
<b>45-82 Business sector services</b>	..	..	..	..	<b>13 125.3</b>	<b>13 277.0</b>	<b>14 077.2</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	<b>831.2</b>	<b>1 034.7</b>	<b>1 028.1</b>	..
<b>49-53 Transportation and storage</b>	..	..	..	..	<b>41.1</b>	<b>39.4</b>	<b>39.7</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	<b>12.0</b>	<b>25.7</b>	<b>34.1</b>	..
<b>58-63 Information and communication</b>	..	..	..	..	<b>3 221.8</b>	<b>2 869.7</b>	<b>3 144.1</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	112.3	98.2	114.1	..
58 Publishing activities	..	..	..	..	71.7	61.1	82.4	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	40.6	36.9	31.7	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	29.3	32.5	23.5	..
60 Programming and broadcasting activities	..	..	..	..	11.3	4.4	8.2	..
61 Telecommunications	..	..	..	..	1 434.0	1 133.7	964.9	..
62-63 IT and other information services	..	..	..	..	1 675.5	1 637.8	2 065.1	..
62 Computer programming, consultancy and related activities	..	..	..	..	1 560.1	1 576.3	2 005.8	..
63 Information service activities	..	..	..	..	115.4	61.5	59.3	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	<b>537.0</b>	<b>478.5</b>	<b>407.5</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	<b>8 482.2</b>	<b>8 828.8</b>	<b>9 423.6</b>	..
68 Real estate activities	..	..	..	..	15.2	13.7	13.3	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	1 110.3	1 167.0	1 305.2	..
72 Scientific research and development	..	..	6 558.2	7 197.2	7 238.2	7 460.9	7 843.9	..
77-82 Administrative and support service activities	..	..	..	..	118.5	187.2	261.2	..
84-99 Community, social and personal services	..	..	..	..	223.2	292.8	325.0	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	22.9	11.9	10.5	..
86-88 Human health and social work activities	..	..	..	..	4.2	34.6	23.5	..
90-93 Arts, entertainment and recreation	..	..	..	..	174.6	208.3	257.9	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	21.4	37.9	33.2	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# UNITED KINGDOM

## R&D expenditure in industry by product field, current prices

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>20 921.3</b>	<b>22 851.0</b>	<b>24 199.5</b>	<b>24 423.8</b>	<b>23 910.7</b>	<b>23 248.1</b>	<b>24 934.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>178.0</b>	<b>140.2</b>	<b>146.5</b>	<b>146.1</b>	<b>170.9</b>	<b>147.7</b>	<b>190.4</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>67.6</b>	<b>68.4</b>	<b>139.0</b>	<b>137.9</b>	<b>170.4</b>	<b>164.5</b>	<b>278.4</b>	..
<b>10-33 MANUFACTURING</b>	<b>16 301.9</b>	<b>17 242.8</b>	<b>17 930.3</b>	<b>18 028.1</b>	<b>17 667.1</b>	<b>16 838.9</b>	<b>17 979.2</b>	..
10-12 Food products, beverages and tobacco	433.4	501.7	507.1	469.3	450.0	442.0	501.5	..
13-15 Textiles, wearing apparel, leather and related products	28.5	26.7	29.7	23.5	16.0	15.6	18.8	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	81.7	87.5	82.7	75.5	39.8	40.1	30.7	..
16 Wood and wood products, except furniture	..	..	..	..	6.6	8.0	2.8	..
17 Paper and paper products	..	..	..	..	17.4	19.9	17.9	..
18 Printing and reproduction of recorded media	..	..	..	..	15.8	12.2	9.9	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	6 863.5	8 080.3	7 658.2	8 138.4	8 324.5	7 959.5	8 260.7	..
19 Coke and refined petroleum products	..	..	..	..	..	106.2	103.4	..
20-21 Chemical and pharmaceutical products	6 299.7	7 386.3	7 142.6	7 604.0	7 727.3	7 657.8	7 933.5	..
20 Chemicals and chemical products	987.6	1 077.9	1 035.9	964.7	943.8	952.6	986.7	..
21 Pharmaceuticals, medicinal, chemical and botanical products	5 312.1	6 308.4	6 106.7	6 639.3	6 783.5	6 705.1	6 946.8	..
22 Rubber and plastic products	86.9	143.3	122.9	117.4	88.9	114.3	138.4	..
23 Other non-metallic mineral products	..	..	..	..	..	81.2	85.4	..
24-25 Basic metals, metal products, except machinery and equipment	182.7	178.1	212.6	200.9	213.7	299.5	342.6	..
24 Basic metals	..	..	..	..	..	165.1	172.9	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	134.4	169.7	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	8 670.1	8 330.7	9 397.9	9 069.1	8 473.5	7 888.9	8 614.6	..
26 Computer, electronic and optical products	2 076.3	1 962.5	1 983.7	2 056.6	1 915.2	1 757.0	1 840.6	..
27 Electrical equipment	627.0	688.6	840.1	874.4	901.1	740.5	728.6	..
28 Machinery and equipment n.e.c.	1 174.2	1 288.1	1 670.6	1 281.7	1 363.2	1 208.0	1 389.5	..
29 Motor vehicles, trailers and semi-trailers	1 169.8	1 204.9	1 444.5	1 933.5	1 742.0	1 816.2	2 184.5	..
30 Other transport equipment	3 622.8	3 186.5	3 459.0	2 922.8	2 552.0	2 367.2	2 471.4	..
31-33 Furniture; repair, installation of machinery and equipment	42.1	37.8	42.1	51.4	149.6	193.3	210.4	..
31 Furniture	..	..	..	..	13.3	18.6	43.2	..
32 Other manufacturing	..	..	..	..	41.9	81.7	101.3	..
33 Repair and installation of machinery and equipment	..	..	..	..	94.4	93.0	65.9	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>24.8</b>	<b>35.1</b>	<b>58.4</b>	<b>54.0</b>	<b>123.4</b>	<b>103.9</b>	<b>96.3</b>	..
35-36 Electricity, gas and water	..	..	..	..	115.2	92.2	81.2	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	8.2	11.7	15.0	..
<b>41-43 CONSTRUCTION</b>	<b>58.6</b>	<b>58.0</b>	<b>21.1</b>	<b>22.1</b>	<b>26.9</b>	<b>10.6</b>	<b>31.7</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>4 290.5</b>	<b>5 306.5</b>	<b>5 904.2</b>	<b>6 035.6</b>	<b>5 751.9</b>	<b>5 982.6</b>	<b>6 358.8</b>	..
<b>45-82 Business sector services</b>	<b>4 238.5</b>	<b>5 217.2</b>	<b>5 822.0</b>	<b>5 988.2</b>	<b>5 634.3</b>	<b>5 863.3</b>	<b>6 263.5</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>94.8</b>	<b>87.9</b>	<b>57.7</b>	<b>115.1</b>	<b>116.7</b>	<b>253.2</b>	<b>338.3</b>	..
<b>49-53 Transportation and storage</b>	<b>10.0</b>	<b>22.6</b>	<b>32.0</b>	<b>18.5</b>	<b>37.4</b>	<b>25.2</b>	<b>26.2</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	..	..	..
<b>58-63 Information and communication</b>	..	..	..	..	..	<b>3 939.1</b>	<b>4 150.1</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	50.4	38.1	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	1 448.8	1 879.8	2 338.6	2 168.5	1 668.2	1 501.8	1 506.0	..
62-63 IT and other information services	1 682.4	2 172.9	2 325.4	2 299.0	2 225.5	2 387.0	2 606.0	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	<b>217.9</b>	<b>193.4</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	..	<b>1 428.0</b>	<b>1 555.5</b>	..
68 Real estate activities	..	..	..	..	..	14.5	14.2	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	314.4	223.3	258.4	618.7	672.2	816.9	976.7	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
84-99 Community, social and personal services	52.0	89.3	82.2	47.4	117.7	119.2	95.3	..
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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# UNITED KINGDOM

## R&D expenditure in industry by product field, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>20 921.3</b>	<b>21 861.0</b>	<b>23 348.0</b>	<b>23 010.8</b>	<b>22 124.2</b>	<b>22 067.0</b>	<b>23 368.3</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>178.0</b>	<b>134.2</b>	<b>141.3</b>	<b>137.6</b>	<b>158.1</b>	<b>140.2</b>	<b>178.4</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>67.6</b>	<b>65.4</b>	<b>134.1</b>	<b>130.0</b>	<b>157.6</b>	<b>156.2</b>	<b>261.0</b>	..
<b>10-33 MANUFACTURING</b>	<b>16 301.9</b>	<b>16 495.8</b>	<b>17 299.4</b>	<b>16 985.1</b>	<b>16 347.1</b>	<b>15 983.4</b>	<b>16 849.8</b>	..
10-12 Food products, beverages and tobacco	433.4	480.0	489.2	442.1	416.3	419.6	470.0	..
13-15 Textiles, wearing apparel, leather and related products	28.5	25.5	28.7	22.2	14.8	14.8	17.6	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	81.7	83.7	79.8	71.2	36.8	38.0	28.7	..
16 Wood and wood products, except furniture	..	..	..	..	6.1	7.6	2.7	..
17 Paper and paper products	..	..	..	..	16.1	18.9	16.7	..
18 Printing and reproduction of recorded media	..	..	..	..	14.6	11.6	9.3	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	6 863.5	7 730.3	7 388.8	7 667.5	7 702.6	7 555.1	7 741.7	..
19 Coke and refined petroleum products	..	..	..	..	..	100.8	96.9	..
20-21 Chemical and pharmaceutical products	6 299.7	7 066.3	6 891.3	7 164.1	7 149.9	7 268.7	7 435.1	..
20 Chemicals and chemical products	987.6	1 031.2	999.4	908.8	873.3	904.2	924.8	..
21 Pharmaceuticals, medicinal, chemical and botanical products	5 312.1	6 035.1	5 891.8	6 255.2	6 276.6	6 364.5	6 510.4	..
22 Rubber and plastic products	86.9	137.1	118.5	110.6	82.3	108.5	129.7	..
23 Other non-metallic mineral products	..	..	..	..	..	77.0	80.0	..
24-25 Basic metals, metal products, except machinery and equipment	182.7	170.4	205.1	189.3	197.7	284.3	321.1	..
24 Basic metals	..	..	..	..	..	156.7	162.0	..
25 Fabricated metal products, except machinery and equipment	..	..	..	..	..	127.6	159.1	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	8 670.1	7 969.8	9 067.2	8 544.4	7 840.4	7 488.1	8 073.4	..
26 Computer, electronic and optical products	2 076.3	1 877.5	1 913.9	1 937.6	1 772.1	1 667.7	1 725.0	..
27 Electrical equipment	627.0	658.8	810.6	823.9	833.8	702.9	682.9	..
28 Machinery and equipment n.e.c.	1 174.2	1 232.3	1 611.8	1 207.6	1 261.4	1 146.7	1 302.2	..
29 Motor vehicles, trailers and semi-trailers	1 169.8	1 152.7	1 393.6	1 821.7	1 611.9	1 723.9	2 047.3	..
30 Other transport equipment	3 622.8	3 048.5	3 337.3	2 753.7	2 361.4	2 246.9	2 316.1	..
31-33 Furniture; repair, installation of machinery and equipment	42.1	36.1	40.6	48.4	138.4	183.5	197.2	..
31 Furniture	..	..	..	..	12.3	17.7	40.5	..
32 Other manufacturing	..	..	..	..	38.8	77.6	94.9	..
33 Repair and installation of machinery and equipment	..	..	..	..	87.3	88.2	61.8	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>24.8</b>	<b>33.6</b>	<b>56.3</b>	<b>50.9</b>	<b>114.2</b>	<b>98.6</b>	<b>90.2</b>	..
35-36 Electricity, gas and water	..	..	..	..	106.6	87.5	76.1	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	7.6	11.1	14.1	..
<b>41-43 CONSTRUCTION</b>	<b>58.6</b>	<b>55.5</b>	<b>20.4</b>	<b>20.8</b>	<b>24.9</b>	<b>10.0</b>	<b>29.7</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>4 290.5</b>	<b>5 076.6</b>	<b>5 696.5</b>	<b>5 686.4</b>	<b>5 322.2</b>	<b>5 678.6</b>	<b>5 959.3</b>	..
<b>45-82 Business sector services</b>	<b>4 238.5</b>	<b>4 991.2</b>	<b>5 617.2</b>	<b>5 641.8</b>	<b>5 213.3</b>	<b>5 565.4</b>	<b>5 870.1</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>94.8</b>	<b>84.0</b>	<b>55.7</b>	<b>108.5</b>	<b>108.0</b>	<b>240.3</b>	<b>317.1</b>	..
<b>49-53 Transportation and storage</b>	<b>10.0</b>	<b>21.6</b>	<b>30.9</b>	<b>17.5</b>	<b>34.6</b>	<b>23.9</b>	<b>24.6</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	..	..	..
<b>58-63 Information and communication</b>	..	..	..	..	..	<b>3 739.0</b>	<b>3 889.4</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	47.8	35.7	..
58 Publishing activities	..	..	..	..	..	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	1 448.8	1 798.3	2 256.3	2 043.0	1 543.5	1 425.5	1 411.4	..
62-63 IT and other information services	1 682.4	2 078.7	2 243.6	2 166.0	2 059.2	2 265.7	2 442.3	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	..	..	..
63 Information service activities	..	..	..	..	..	..	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	..	<b>206.8</b>	<b>181.2</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	..	<b>1 355.4</b>	<b>1 457.8</b>	..
68 Real estate activities	..	..	..	..	..	13.7	13.3	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	314.4	213.6	249.3	582.9	622.0	775.4	915.4	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
84-99 Community, social and personal services	52.0	85.4	79.3	44.6	108.9	113.2	89.3	..
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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# UNITED STATES

## R&D expenditure in industry by main activity of the enterprise, current prices ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>226 159.0</b>	<b>247 669.0</b>	<b>269 267.0</b>	<b>290 680.0</b>	<b>282 393.0</b>	<b>278 977.0</b>	<b>294 093.0</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	..	..	..
<b>05-09 MINING AND QUARRYING</b>	<b>669.0</b>	<b>1 123.0</b>	<b>1 445.0</b>	<b>1 502.0</b>	<b>2 706.7</b>	<b>2 542.0</b>	<b>2 733.0</b>	..
<b>10-33 MANUFACTURING</b>	<b>158 190.0</b>	<b>171 814.0</b>	<b>187 477.0</b>	<b>203 755.0</b>	<b>195 144.0</b>	<b>196 711.0</b>	<b>201 361.0</b>	..
10-12 Food products, beverages and tobacco	3 255.0	3 267.0	2 943.0	2 880.0	4 669.0	4 544.7	5 085.9	..
13-15 Textiles, wearing apparel, leather and related products	816.0	594.0	806.0	815.0	428.0	489.0	634.0	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	2 671.3	2 988.0	2 800.1	1 789.0	1 956.0	1 752.0	1 732.0	..
16 Wood and wood products, except furniture	220.3	195.0	204.1	273.0	512.0	247.0	211.0	..
17 Paper and paper products	..	..	..	1 167.0	1 249.0	1 274.0	1 346.0	..
18 Printing and reproduction of recorded media	..	..	..	349.0	195.0	231.0	175.0	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	47 096.0	51 020.0	60 513.5	62 981.0	57 502.0	62 589.0	60 267.2	..
19 Coke and refined petroleum products	1 447.0	1 432.0	1 719.2	1 358.0	606.0	1 154.0	1 484.2	..
20-21 Chemical and pharmaceutical products	42 995.0	46 329.0	55 572.1	58 250.0	53 328.0	58 038.0	55 324.0	..
20 Chemicals and chemical products	8 156.0	7 428.0	7 840.1	10 119.0	8 392.0	8 623.0	9 375.0	..
21 Pharmaceuticals, medicinal, chemical and botanical products	34 839.0	38 901.0	47 732.0	48 131.0	44 936.0	49 415.0	45 949.0	..
22 Rubber and plastic products	1 760.0	2 245.0	2 097.2	1 817.0	2 468.0	2 121.0	2 280.0	..
23 Other non-metallic mineral products	894.0	1 014.0	1 125.0	1 556.0	1 100.0	1 276.0	1 179.0	..
24-25 Basic metals, metal products, except machinery and equipment	2 006.0	2 150.0	2 605.0	3 114.0	2 877.0	2 356.0	2 508.0	..
24 Basic metals	631.0	651.0	896.0	695.0	837.0	653.0	655.0	..
25 Fabricated metal products, except machinery and equipment	1 375.0	1 499.0	1 709.0	2 419.0	2 040.0	1 703.0	1 853.0	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	96 800.7	106 273.5	110 818.4	124 264.0	117 244.0	116 063.0	121 888.0	..
26 Computer, electronic and optical products	49 725.0	56 773.0	58 599.0	60 464.0	56 435.0	59 875.0	62 704.0	..
27 Electrical equipment	2 424.0	2 281.0	2 708.0	3 143.0	3 334.0	3 320.0	3 595.0	..
28 Machinery and equipment n.e.c.	8 531.0	9 848.0	9 865.0	10 104.0	9 138.0	9 955.0	14 709.0	..
29 Motor vehicles, trailers and semi-trailers	16 093.8	16 633.1	16 102.8	13 140.0	11 364.0	10 109.1	11 694.8	..
30 Other transport equipment	20 026.9	20 738.4	23 543.5	37 413.0	36 973.0	32 803.9	29 185.2	..
31-33 Furniture; repair, installation of machinery and equipment	5 543.0	5 521.5	6 992.0	7 914.0	10 466.0	8 917.3	9 245.9	..
31 Furniture	400.0	371.5	582.0	477.0	396.0	373.0	319.0	..
32 Other manufacturing	5 143.0	5 150.0	6 410.0	7 437.0	10 070.0	8 544.3	8 926.9	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>210.0</b>	<b>248.0</b>	<b>235.0</b>	<b>226.0</b>	<b>246.0</b>	<b>425.0</b>	<b>386.0</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>1 261.5</b>	<b>1 379.0</b>	<b>386.0</b>	<b>1 346.7</b>	<b>115.0</b>	<b>1 079.0</b>	<b>667.5</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>65 828.5</b>	<b>73 105.0</b>	<b>79 724.0</b>	<b>83 850.3</b>	<b>84 181.3</b>	<b>78 220.0</b>	<b>88 945.5</b>	..
<b>45-82 Business sector services</b>	<b>62 703.5</b>	<b>70 632.0</b>	<b>76 589.0</b>	<b>80 243.0</b>	<b>82 998.3</b>	<b>75 089.9</b>	<b>86 634.0</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>3 504.5</b>	<b>3 454.0</b>	<b>4 824.0</b>	<b>3 115.0</b>	<b>1 893.3</b>	<b>2 013.9</b>	<b>2 617.0</b>	..
<b>49-53 Transportation and storage</b>	<b>312.0</b>	<b>277.0</b>	<b>166.0</b>	<b>135.0</b>	<b>178.0</b>	<b>96.0</b>	<b>81.0</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	..	..	..
<b>58-63 Information and communication</b>	<b>37 428.0</b>	<b>41 724.0</b>	<b>43 452.0</b>	<b>49 841.0</b>	<b>46 366.0</b>	<b>47 902.0</b>	<b>55 124.0</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	17 747.0	19 987.0	20 900.0	28 426.0	27 077.0	26 982.0	28 435.0	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	2 539.0	2 137.0	3 264.0	1 684.0	1 496.0	1 868.0	2 157.0	..
62-63 IT and other information services	16 929.0	18 870.0	18 696.0	18 713.0	15 295.0	13 588.0	17 544.0	..
62 Computer programming, consultancy and related activities	13 592.0	14 841.0	14 407.0	12 146.0	12 560.0	11 050.0	13 259.0	..
63 Information service activities	3 337.0	4 029.0	4 289.0	6 567.0	2 735.0	2 538.0	4 285.0	..
<b>64-66 Financial and insurance activities</b>	<b>2 459.6</b>	<b>1 598.3</b>	<b>1 640.6</b>	<b>1 091.0</b>	<b>1 911.0</b>	<b>2 109.0</b>	<b>3 457.0</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>18 999.4</b>	<b>23 578.7</b>	<b>26 506.4</b>	<b>26 061.0</b>	<b>32 650.0</b>	<b>22 969.0</b>	<b>25 355.0</b>	..
68 Real estate activities	102.5	66.6	68.4	45.5	47.5	59.1	71.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	6 130.0	8 683.0	9 277.0	7 895.0	15 116.0	7 822.0	9 659.0	..
72 Scientific research and development	12 299.0	14 525.0	16 849.0	17 913.0	17 270.0	14 818.0	15 301.0	..
77-82 Administrative and support service activities	467.9	304.0	312.1	207.5	216.5	269.9	324.0	..
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	989.0	992.0	1 280.0	1 313.0	537.0	1 232.0	741.0	..
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	..	..	..

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# UNITED STATES

## R&D expenditure in industry by main activity of the enterprise, constant prices ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>226 159.0</b>	<b>240 282.4</b>	<b>254 482.6</b>	<b>269 456.1</b>	<b>259 774.7</b>	<b>253 563.0</b>	<b>262 153.5</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	..	..	..
<b>05-09 MINING AND QUARRYING</b>	<b>669.0</b>	<b>1 089.5</b>	<b>1 365.7</b>	<b>1 392.3</b>	<b>2 489.9</b>	<b>2 310.4</b>	<b>2 436.2</b>	..
<b>10-33 MANUFACTURING</b>	<b>158 190.0</b>	<b>166 689.7</b>	<b>177 183.4</b>	<b>188 877.9</b>	<b>179 513.9</b>	<b>178 791.2</b>	<b>179 492.5</b>	..
10-12 Food products, beverages and tobacco	3 255.0	3 169.6	2 781.4	2 669.7	4 295.0	4 130.7	4 533.5	..
13-15 Textiles, wearing apparel, leather and related products	816.0	576.3	761.7	755.5	393.7	444.5	565.1	..
13 Textiles	..	..	..	..	..	..	..	..
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	2 671.3	2 898.9	2 646.4	1 658.4	1 799.3	1 592.4	1 543.9	..
16 Wood and wood products, except furniture	220.3	189.2	192.9	253.1	471.0	224.5	188.1	..
17 Paper and paper products	..	..	..	1 081.8	1 149.0	1 157.9	1 199.8	..
18 Printing and reproduction of recorded media	..	..	..	323.5	179.4	210.0	156.0	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	47 096.0	49 498.4	57 191.0	58 382.5	52 896.4	56 887.3	53 722.0	..
19 Coke and refined petroleum products	1 447.0	1 389.3	1 624.8	1 258.8	557.5	1 048.9	1 323.0	..
20-21 Chemical and pharmaceutical products	42 995.0	44 947.3	52 520.8	53 996.9	49 056.7	52 750.9	49 315.6	..
20 Chemicals and chemical products	8 156.0	7 206.5	7 409.6	9 380.2	7 719.8	7 837.5	8 356.8	..
21 Pharmaceuticals, medicinal, chemical and botanical products	34 839.0	37 740.8	45 111.2	44 616.7	41 336.9	44 913.4	40 958.8	..
22 Rubber and plastic products	1 760.0	2 178.0	1 982.1	1 684.3	2 270.3	1 927.8	2 032.4	..
23 Other non-metallic mineral products	894.0	983.8	1 063.2	1 442.4	1 011.9	1 159.8	1 051.0	..
24-25 Basic metals, metal products, except machinery and equipment	2 006.0	2 085.9	2 462.0	2 886.6	2 646.6	2 141.4	2 235.6	..
24 Basic metals	631.0	631.6	846.8	644.3	770.0	593.5	583.9	..
25 Fabricated metal products, except machinery and equipment	1 375.0	1 454.3	1 615.2	2 242.4	1 876.6	1 547.9	1 651.8	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	96 800.7	103 104.0	104 733.8	115 190.9	107 853.3	105 490.0	108 650.6	..
26 Computer, electronic and optical products	49 725.0	55 079.8	55 381.6	56 049.2	51 914.8	54 420.6	55 894.1	..
27 Electrical equipment	2 424.0	2 213.0	2 559.3	2 913.5	3 067.0	3 017.6	3 204.6	..
28 Machinery and equipment n.e.c.	8 531.0	9 554.3	9 323.4	9 366.3	8 406.1	9 048.1	13 111.6	..
29 Motor vehicles, trailers and semi-trailers	16 093.8	16 137.0	15 218.7	12 180.6	10 453.8	9 188.2	10 424.7	..
30 Other transport equipment	20 026.9	20 119.9	22 250.9	34 681.3	34 011.6	29 815.6	26 015.6	..
31-33 Furniture; repair, installation of machinery and equipment	5 543.0	5 356.8	6 608.1	7 336.2	9 627.7	8 105.0	8 241.8	..
31 Furniture	400.0	360.4	550.0	442.2	364.3	339.0	284.4	..
32 Other manufacturing	5 143.0	4 996.4	6 058.1	6 894.0	9 263.4	7 765.9	7 957.4	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	..	..	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>210.0</b>	<b>240.6</b>	<b>222.1</b>	<b>209.5</b>	<b>226.3</b>	<b>386.3</b>	<b>344.1</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	<b>1 261.5</b>	<b>1 337.9</b>	<b>364.8</b>	<b>1 248.3</b>	<b>105.8</b>	<b>980.7</b>	<b>595.0</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>65 828.5</b>	<b>70 924.7</b>	<b>75 346.7</b>	<b>77 728.0</b>	<b>77 438.8</b>	<b>71 094.4</b>	<b>79 285.7</b>	..
<b>45-82 Business sector services</b>	<b>62 703.5</b>	<b>68 525.4</b>	<b>72 383.8</b>	<b>74 384.1</b>	<b>76 350.5</b>	<b>68 249.5</b>	<b>77 225.3</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>3 504.5</b>	<b>3 351.0</b>	<b>4 559.1</b>	<b>2 887.6</b>	<b>1 741.6</b>	<b>1 830.5</b>	<b>2 332.8</b>	..
<b>49-53 Transportation and storage</b>	<b>312.0</b>	<b>268.7</b>	<b>156.9</b>	<b>125.1</b>	<b>163.7</b>	<b>87.3</b>	<b>72.2</b>	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	..	..	..	..
<b>58-63 Information and communication</b>	<b>37 428.0</b>	<b>40 479.6</b>	<b>41 066.2</b>	<b>46 201.9</b>	<b>42 652.3</b>	<b>43 538.3</b>	<b>49 137.4</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	..	..	..
58 Publishing activities	17 747.0	19 390.9	19 752.5	26 350.5	24 908.3	24 524.0	25 346.9	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	2 539.0	2 073.3	3 084.8	1 561.0	1 376.2	1 697.8	1 922.7	..
62-63 IT and other information services	16 929.0	18 307.2	17 669.5	17 346.7	14 069.9	12 350.2	15 638.7	..
62 Computer programming, consultancy and related activities	13 592.0	14 398.4	13 616.0	11 259.2	11 554.0	10 043.4	11 819.0	..
63 Information service activities	3 337.0	3 908.8	4 053.5	6 087.5	2 515.9	2 306.8	3 819.6	..
<b>64-66 Financial and insurance activities</b>	<b>2 459.6</b>	<b>1 550.7</b>	<b>1 550.5</b>	<b>1 011.3</b>	<b>1 757.9</b>	<b>1 916.9</b>	<b>3 081.6</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>18 999.4</b>	<b>22 875.4</b>	<b>25 051.1</b>	<b>24 158.2</b>	<b>30 034.9</b>	<b>20 876.6</b>	<b>22 601.4</b>	..
68 Real estate activities	102.5	64.6	64.6	42.2	43.7	53.7	63.3	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	6 130.0	8 424.0	8 767.6	7 318.5	13 905.3	7 109.4	8 610.0	..
72 Scientific research and development	12 299.0	14 091.8	15 923.9	16 605.1	15 886.8	13 468.1	13 639.3	..
77-82 Administrative and support service activities	467.9	295.0	294.9	192.4	199.2	245.3	288.8	..
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	989.0	962.4	1 209.7	1 217.1	494.0	1 119.8	660.5	..
90-93 Arts, entertainment and recreation	..	..	..	..	..	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	..	..	..

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# CHINA

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>48 550.2</b>	<b>61 580.1</b>	<b>73 990.7</b>	<b>88 460.7</b>	<b>112 784.1</b>	<b>130 332.6</b>	<b>157 328.0</b>	<b>185 365.8</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	194.9	302.4	353.6	405.2	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	2 880.3	4 520.2	5 437.9	6 040.9	6 619.6
<b>10-33 MANUFACTURING</b>	..	..	..	76 627.6	94 803.8	111 876.3	136 188.8	161 810.7
10-12 Food products, beverages and tobacco	..	..	..	2 907.4	4 004.5	4 751.7	5 738.8	7 621.2
13-15 Textiles, wearing apparel, leather and related products	..	..	..	2 119.1	2 864.8	3 284.7	4 314.2	5 225.1
13 Textiles	..	..	..	1 596.0	2 154.9	2 508.2	3 252.7	3 262.6
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	1 140.3	1 543.2	1 673.8	2 137.1	2 815.4
16 Wood and wood products, except furniture	..	..	..	212.1	274.8	278.2	346.0	442.6
17 Paper and paper products	..	..	..	739.7	977.2	1 026.9	1 336.4	1 791.8
18 Printing and reproduction of recorded media	..	..	..	188.5	291.3	368.7	454.6	581.0
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	13 690.8	17 012.8	20 704.9	25 776.5	31 163.2
19 Coke and refined petroleum products	..	..	..	788.4	984.6	1 161.9	1 495.6	1 929.7
20-21 Chemical and pharmaceutical products	..	..	..	9 467.5	11 590.1	13 817.7	17 693.4	21 281.2
20 Chemicals and chemical products	..	..	..	6 777.1	8 018.6	9 630.8	12 642.0	14 584.8
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	2 690.4	3 571.5	4 186.9	5 051.4	6 696.4
22 Rubber and plastic products	..	..	..	1 847.9	2 273.4	2 966.4	3 246.5	4 086.0
23 Other non-metallic mineral products	..	..	..	1 586.9	2 164.7	2 758.9	3 341.1	3 866.3
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	12 036.9	13 079.8	15 988.8	19 467.9	25 680.1
24 Basic metals	..	..	..	10 578.5	11 331.5	13 775.2	16 806.7	21 249.5
25 Fabricated metal products, except machinery and equipment	..	..	..	1 458.4	1 748.3	2 213.6	2 661.3	4 430.5
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	44 186.1	55 441.1	64 619.9	77 560.3	87 585.9
26 Computer, electronic and optical products	..	..	..	15 074.8	17 936.7	20 944.8	25 393.1	28 090.5
27 Electrical equipment	..	..	..	8 366.3	10 627.2	12 670.8	14 921.6	16 644.0
28 Machinery and equipment n.e.c.	..	..	..	10 486.7	13 863.9	15 322.6	18 468.3	21 262.3
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	..	..	13 487.5
30 Other transport equipment	..	..	..	..	..	..	..	8 101.6
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	546.9	857.5	852.6	1 193.9	1 719.7
31 Furniture	..	..	..	119.5	183.9	133.7	216.0	343.4
32 Other manufacturing	..	..	..	427.4	658.8	678.8	907.8	1 261.4
33 Repair and installation of machinery and equipment	..	..	..	0.0	14.8	41.1	70.0	114.9
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	<b>870.0</b>	<b>914.7</b>	<b>976.8</b>	<b>1 118.2</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	..	..	..	<b>2 309.0</b>	<b>3 583.7</b>	<b>3 514.9</b>	<b>3 474.4</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	<b>5 579.1</b>	<b>8 659.3</b>	<b>8 172.9</b>	<b>10 100.7</b>	..
<b>45-82 Business sector services</b>	..	..	..	..	<b>8 644.6</b>	..	..	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	<b>0.0</b>	..	..	..
<b>49-53 Transportation and storage</b>	..	..	..	..	<b>281.5</b>	..	..	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	<b>0.0</b>	..	..	..
<b>58-63 Information and communication</b>	..	..	..	..	<b>4 161.2</b>	..	..	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	2.3	..	..	..
58 Publishing activities	..	..	..	..	1.8	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	0.5	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	1 029.3	..	..	..
62-63 IT and other information services	..	..	..	..	3 129.6	..	..	..
62 Computer programming, consultancy and related activities	..	..	..	..	2 066.1	..	..	..
63 Information service activities	..	..	..	..	1 063.5	..	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	<b>28.3</b>	..	..	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	<b>4 173.6</b>	..	..	..
68 Real estate activities	..	..	..	..	0.0	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	..	..	..	..	1 943.5	..	..	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
84-99 Community, social and personal services	..	..	..	..	14.6	..	..	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	0.0	..	..	..
86-88 Human health and social work activities	..	..	..	..	14.4	..	..	..
90-93 Arts, entertainment and recreation	..	..	..	..	0.2	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	0.0	..	..	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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# CHINA

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>48 550.2</b>	<b>59 643.2</b>	<b>69 621.4</b>	<b>81 461.9</b>	<b>102 969.4</b>	<b>117 851.4</b>	<b>138 704.7</b>	<b>162 290.2</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	179.4	276.1	319.8	357.2	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	2 652.4	4 126.8	4 917.2	5 325.8	5 795.6
<b>10-33 MANUFACTURING</b>	..	..	..	70 565.0	86 553.8	101 162.6	120 067.8	141 667.3
10-12 Food products, beverages and tobacco	..	..	..	2 677.3	3 656.1	4 296.6	5 059.5	6 672.5
13-15 Textiles, wearing apparel, leather and related products	..	..	..	1 951.4	2 615.5	2 970.2	3 803.6	4 574.7
13 Textiles	..	..	..	1 469.7	1 967.3	2 268.0	2 867.6	2 856.4
14 Wearing apparel	..	..	..	..	..	..	..	..
15 Leather and related products, footwear	..	..	..	..	..	..	..	..
16-18 Wood and paper products and printing	..	..	..	1 050.1	1 408.9	1 513.5	1 884.1	2 464.9
16 Wood and wood products, except furniture	..	..	..	195.3	250.9	251.5	305.1	387.5
17 Paper and paper products	..	..	..	681.2	892.1	928.6	1 178.2	1 568.7
18 Printing and reproduction of recorded media	..	..	..	173.6	265.9	333.4	400.8	508.7
19-23 Chemical, rubber, plastic, non-metallic mineral products	..	..	..	12 607.6	15 532.3	18 722.1	22 725.3	27 283.8
19 Coke and refined petroleum products	..	..	..	726.0	898.9	1 050.6	1 318.6	1 689.4
20-21 Chemical and pharmaceutical products	..	..	..	8 718.5	10 581.5	12 494.4	15 599.0	18 632.0
20 Chemicals and chemical products	..	..	..	6 240.9	7 320.8	8 708.5	11 145.5	12 769.2
21 Pharmaceuticals, medicinal, chemical and botanical products	..	..	..	2 477.5	3 260.7	3 785.9	4 453.5	5 862.8
22 Rubber and plastic products	..	..	..	1 701.7	2 075.6	2 682.3	2 862.2	3 577.4
23 Other non-metallic mineral products	..	..	..	1 461.4	1 976.3	2 494.7	2 945.6	3 385.0
24-25 Basic metals, metal products, except machinery and equipment	..	..	..	11 084.6	11 941.6	14 457.6	17 163.5	22 483.2
24 Basic metals	..	..	..	9 741.6	10 345.4	12 456.0	14 817.2	18 604.2
25 Fabricated metal products, except machinery and equipment	..	..	..	1 343.0	1 596.1	2 001.6	2 346.2	3 879.0
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	..	..	..	40 690.2	50 616.5	58 431.7	68 379.3	76 682.5
26 Computer, electronic and optical products	..	..	..	13 882.1	16 375.8	18 939.0	22 387.2	24 593.6
27 Electrical equipment	..	..	..	7 704.4	9 702.4	11 457.4	13 155.3	14 572.1
28 Machinery and equipment n.e.c.	..	..	..	9 657.0	12 657.4	13 855.2	16 282.1	18 615.4
29 Motor vehicles, trailers and semi-trailers	..	..	..	..	..	..	..	11 808.5
30 Other transport equipment	..	..	..	..	..	..	..	7 093.0
31-33 Furniture; repair, installation of machinery and equipment	..	..	..	503.7	782.9	770.9	1 052.6	1 505.6
31 Furniture	..	..	..	110.1	167.9	120.9	190.5	300.7
32 Other manufacturing	..	..	..	393.6	601.5	612.9	800.4	1 104.4
33 Repair and installation of machinery and equipment	..	..	..	0.0	13.5	37.1	61.7	100.6
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	..	..	..	<b>801.1</b>	<b>835.1</b>	<b>883.3</b>	<b>985.8</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	..	..	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	..	..	..
<b>41-43 CONSTRUCTION</b>	..	..	..	<b>2 126.3</b>	<b>3 271.9</b>	<b>3 178.3</b>	<b>3 063.1</b>	..
<b>45-99 TOTAL SERVICES</b>	..	..	..	<b>5 137.7</b>	<b>7 905.7</b>	<b>7 390.3</b>	<b>8 905.0</b>	..
<b>45-82 Business sector services</b>	..	..	..	..	<b>7 892.4</b>	..	..	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	..	..	..	..	<b>0.0</b>	..	..	..
<b>49-53 Transportation and storage</b>	..	..	..	..	<b>257.0</b>	..	..	..
<b>55-56 Accommodation and food service activities</b>	..	..	..	..	<b>0.0</b>	..	..	..
<b>58-63 Information and communication</b>	..	..	..	..	<b>3 799.0</b>	..	..	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	2.1	..	..	..
58 Publishing activities	..	..	..	..	1.7	..	..	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	0.4	..	..	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	939.7	..	..	..
62-63 IT and other information services	..	..	..	..	2 857.2	..	..	..
62 Computer programming, consultancy and related activities	..	..	..	..	1 886.3	..	..	..
63 Information service activities	..	..	..	..	970.9	..	..	..
<b>64-66 Financial and insurance activities</b>	..	..	..	..	<b>25.8</b>	..	..	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	..	..	..	..	<b>3 810.4</b>	..	..	..
68 Real estate activities	..	..	..	..	0.0	..	..	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	..	..	..
72 Scientific research and development	..	..	..	..	1 774.3	..	..	..
77-82 Administrative and support service activities	..	..	..	..	..	..	..	..
84-99 Community, social and personal services	..	..	..	..	13.3	..	..	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	0.0	..	..	..
86-88 Human health and social work activities	..	..	..	..	13.2	..	..	..
90-93 Arts, entertainment and recreation	..	..	..	..	0.2	..	..	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	0.0	..	..	..

.. Not available

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# ROMANIA

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>413.6</b>	<b>529.0</b>	<b>599.3</b>	<b>559.2</b>	<b>594.4</b>	<b>560.7</b>	<b>593.5</b>	<b>671.2</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>60.3</b>	<b>80.1</b>	<b>66.7</b>	<b>78.3</b>	<b>56.1</b>	<b>82.3</b>	<b>3.2</b>	<b>5.7</b>
<b>05-09 MINING AND QUARRYING</b>	<b>13.3</b>	<b>19.8</b>	<b>21.6</b>	<b>12.9</b>	<b>11.9</b>	<b>0.8</b>	<b>0.0</b>	<b>0.1</b>
<b>10-33 MANUFACTURING</b>	<b>250.2</b>	<b>272.3</b>	<b>305.5</b>	<b>244.4</b>	<b>269.1</b>	<b>227.1</b>	<b>308.2</b>	<b>281.2</b>
10-12 Food products, beverages and tobacco	5.1	4.6	5.5	5.8	3.6	1.4	3.9	10.1
13-15 Textiles, wearing apparel, leather and related products	3.1	1.8	3.6	4.3	1.2	2.1	0.8	5.3
13 Textiles	..	..	..	3.4	0.3	0.5	0.1	0.6
14 Wearing apparel	..	..	..	0.4	0.5	0.1	0.2	0.6
15 Leather and related products, footwear	..	..	..	0.6	0.4	1.4	0.5	4.1
16-18 Wood and paper products and printing	0.9	1.1	1.0	0.5	0.1	0.1	0.0	0.0
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	72.2	74.5	87.5	50.9	49.9	48.3	90.2	33.1
19 Coke and refined petroleum products	29.7	28.8	41.1	3.1	1.2	0.8	0.0	0.0
20-21 Chemical and pharmaceutical products	31.7	35.4	43.0	44.9	45.3	44.4	78.9	28.4
20 Chemicals and chemical products	12.8	15.5	7.9	39.1	39.3	36.9	56.1	3.3
21 Pharmaceuticals, medicinal, chemical and botanical products	18.9	19.9	35.0	5.7	6.0	7.5	22.8	25.2
22 Rubber and plastic products	6.0	5.1	2.2	1.3	2.3	1.7	11.1	3.0
23 Other non-metallic mineral products	4.8	5.2	1.2	1.6	1.1	1.4	0.2	1.7
24-25 Basic metals, metal products, except machinery and equipment	20.7	37.1	23.5	17.3	12.9	10.1	14.7	8.0
24 Basic metals	16.2	19.6	18.3	10.4	6.2	5.3	10.5	3.8
25 Fabricated metal products, except machinery and equipment	4.5	17.4	5.2	6.8	6.7	4.8	4.2	4.2
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	147.1	152.1	184.1	152.8	185.2	152.1	197.3	217.6
26 Computer, electronic and optical products	8.2	10.7	11.0	19.6	13.9	12.9	12.6	57.0
27 Electrical equipment	30.8	33.1	34.1	18.6	15.8	15.9	42.2	17.5
28 Machinery and equipment n.e.c.	64.5	44.4	48.3	24.0	17.3	16.2	6.3	19.3
29 Motor vehicles, trailers and semi-trailers	33.9	51.5	77.2	64.5	114.4	89.1	129.9	116.5
30 Other transport equipment	9.8	12.4	13.6	26.1	23.7	17.9	6.4	7.3
31-33 Furniture; repair, installation of machinery and equipment	1.1	1.2	0.4	12.7	16.3	13.0	1.3	7.1
31 Furniture	..	..	..	0.6	0.2	0.2	0.1	0.1
32 Other manufacturing	..	..	..	5.8	9.8	9.9	0.0	2.2
33 Repair and installation of machinery and equipment	..	..	..	6.3	6.2	3.0	1.1	4.8
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>32.6</b>	<b>29.3</b>	<b>43.8</b>	<b>54.4</b>	<b>43.5</b>	<b>63.9</b>	<b>0.6</b>	<b>3.2</b>
35-36 Electricity, gas and water	..	..	..	54.3	43.4	63.6	0.2	2.6
37-39 Sewerage, waste management and remediation activities	..	..	..	0.1	0.1	0.3	0.4	0.6
<b>41-43 CONSTRUCTION</b>	<b>10.8</b>	<b>19.1</b>	<b>6.6</b>	<b>15.8</b>	<b>12.4</b>	<b>7.5</b>	<b>6.0</b>	<b>0.4</b>
<b>45-99 TOTAL SERVICES</b>	<b>46.4</b>	<b>108.3</b>	<b>155.2</b>	<b>153.4</b>	<b>201.4</b>	<b>179.1</b>	<b>275.6</b>	<b>380.6</b>
<b>45-82 Business sector services</b>	<b>37.3</b>	<b>102.5</b>	<b>147.1</b>	<b>152.2</b>	<b>200.8</b>	<b>177.8</b>	<b>275.5</b>	<b>377.9</b>
45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs	..	..	..	..	6.2	..	13.5	27.8
49-53 Transportation and storage	..	..	..	..	..	..	3.8	..
55-56 Accommodation and food service activities	..	..	..	..	..	..	..	1.7
<b>58-63 Information and communication</b>	<b>3.1</b>	<b>37.3</b>	<b>53.8</b>	<b>17.2</b>	<b>85.5</b>	<b>68.3</b>	<b>104.6</b>	<b>119.4</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	8.7	43.8	45.6	51.1	2.0
58 Publishing activities	..	..	..	..	..	..	..	1.9
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	0.1
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	12.3
62-63 IT and other information services	..	..	..	..	..	..	..	105.1
62 Computer programming, consultancy and related activities	..	..	..	..	40.3	22.6	52.0	71.8
63 Information service activities	..	..	..	..	..	..	..	33.3
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>31.1</b>	<b>60.5</b>	<b>89.3</b>	<b>134.4</b>	<b>109.2</b>	<b>108.8</b>	<b>152.3</b>	<b>229.1</b>
68 Real estate activities	..	..	..	0.0	0.0	0.0	0.0	2.5
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	15.1	8.1	17.3	27.1	44.2
72 Scientific research and development	27.6	55.3	83.3	105.7	99.9	83.9	124.8	179.8
77-82 Administrative and support service activities	..	..	..	13.7	1.2	7.6	0.3	2.5
84-99 Community, social and personal services	9.0	5.8	8.0	1.2	0.6	1.3	0.1	2.7
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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# ROMANIA

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>413.6</b>	<b>482.5</b>	<b>507.4</b>	<b>433.8</b>	<b>441.4</b>	<b>407.7</b>	<b>425.6</b>	<b>452.5</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>60.3</b>	<b>73.1</b>	<b>56.5</b>	<b>60.8</b>	<b>41.6</b>	<b>59.9</b>	<b>2.3</b>	<b>3.8</b>
<b>05-09 MINING AND QUARRYING</b>	<b>13.3</b>	<b>18.1</b>	<b>18.3</b>	<b>10.0</b>	<b>8.9</b>	<b>0.6</b>	<b>0.0</b>	<b>0.1</b>
<b>10-33 MANUFACTURING</b>	<b>250.2</b>	<b>248.4</b>	<b>258.7</b>	<b>189.5</b>	<b>199.8</b>	<b>165.1</b>	<b>221.0</b>	<b>189.6</b>
10-12 Food products, beverages and tobacco	5.1	4.2	4.6	4.5	2.7	1.0	2.8	6.8
13-15 Textiles, wearing apparel, leather and related products	3.1	1.6	3.0	3.4	0.9	1.5	0.6	3.6
13 Textiles	..	..	..	2.6	0.2	0.4	0.1	0.4
14 Wearing apparel	..	..	..	0.3	0.3	0.1	0.1	0.4
15 Leather and related products, footwear	..	..	..	0.4	0.3	1.0	0.4	2.7
16-18 Wood and paper products and printing	0.9	1.0	0.8	0.4	0.1	0.1	0.0	0.0
16 Wood and wood products, except furniture	..	..	..	..	..	..	..	..
17 Paper and paper products	..	..	..	..	..	..	..	..
18 Printing and reproduction of recorded media	..	..	..	..	..	..	..	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	72.2	67.9	74.1	39.5	37.1	35.1	64.7	22.3
19 Coke and refined petroleum products	29.7	26.2	34.8	2.4	0.9	0.6	0.0	0.0
20-21 Chemical and pharmaceutical products	31.7	32.3	36.4	34.8	33.7	32.3	56.6	19.2
20 Chemicals and chemical products	12.8	14.1	6.7	30.4	29.2	26.8	40.3	2.2
21 Pharmaceuticals, medicinal, chemical and botanical products	18.9	18.2	29.7	4.5	4.4	5.5	16.3	17.0
22 Rubber and plastic products	6.0	4.7	1.9	1.0	1.7	1.3	8.0	2.0
23 Other non-metallic mineral products	4.8	4.7	1.0	1.2	0.8	1.0	0.1	1.1
24-25 Basic metals, metal products, except machinery and equipment	20.7	33.8	19.9	13.4	9.6	7.3	10.5	5.4
24 Basic metals	16.2	17.9	15.5	8.1	4.6	3.9	7.5	2.5
25 Fabricated metal products, except machinery and equipment	4.5	15.9	4.4	5.3	5.0	3.5	3.0	2.9
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	147.1	138.7	155.9	118.6	137.5	110.6	141.5	146.7
26 Computer, electronic and optical products	8.2	9.7	9.3	15.2	10.4	9.4	9.0	38.4
27 Electrical equipment	30.8	30.2	28.9	14.5	11.7	11.6	30.3	11.8
28 Machinery and equipment n.e.c.	64.5	40.5	40.9	18.7	12.8	11.8	4.5	13.0
29 Motor vehicles, trailers and semi-trailers	33.9	47.0	65.4	50.0	85.0	64.8	93.2	78.6
30 Other transport equipment	9.8	11.3	11.5	20.2	17.6	13.1	4.6	4.9
31-33 Furniture; repair, installation of machinery and equipment	1.1	1.1	0.3	9.9	12.1	9.5	0.9	4.8
31 Furniture	..	..	..	0.5	0.1	0.1	0.1	0.1
32 Other manufacturing	..	..	..	4.5	7.3	7.2	0.0	1.5
33 Repair and installation of machinery and equipment	..	..	..	4.9	4.6	2.1	0.8	3.2
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>32.6</b>	<b>26.7</b>	<b>37.1</b>	<b>42.2</b>	<b>32.3</b>	<b>46.5</b>	<b>0.4</b>	<b>2.1</b>
35-36 Electricity, gas and water	..	..	..	42.1	32.2	46.3	0.1	1.7
37-39 Sewerage, waste management and remediation activities	..	..	..	0.1	0.1	0.2	0.3	0.4
<b>41-43 CONSTRUCTION</b>	<b>10.8</b>	<b>17.4</b>	<b>5.6</b>	<b>12.3</b>	<b>9.2</b>	<b>5.4</b>	<b>4.3</b>	<b>0.3</b>
<b>45-99 TOTAL SERVICES</b>	<b>46.4</b>	<b>98.8</b>	<b>131.4</b>	<b>119.0</b>	<b>149.5</b>	<b>130.2</b>	<b>197.6</b>	<b>256.6</b>
<b>45-82 Business sector services</b>	<b>37.3</b>	<b>93.5</b>	<b>124.6</b>	<b>118.1</b>	<b>149.1</b>	<b>129.3</b>	<b>197.5</b>	<b>254.8</b>
45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs	..	..	..	..	4.6	..	9.7	18.7
49-53 Transportation and storage	..	..	..	..	..	..	2.7	..
55-56 Accommodation and food service activities	..	..	..	..	..	..	..	1.1
<b>58-63 Information and communication</b>	<b>3.1</b>	<b>34.0</b>	<b>45.6</b>	<b>13.3</b>	<b>63.5</b>	<b>49.6</b>	<b>75.0</b>	<b>80.5</b>
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	6.8	32.5	33.2	36.7	1.4
58 Publishing activities	..	..	..	..	..	..	..	1.3
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	..	..	0.1
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	..	..	..
60 Programming and broadcasting activities	..	..	..	..	..	..	..	..
61 Telecommunications	..	..	..	..	..	..	..	8.3
62-63 IT and other information services	..	..	..	..	..	..	..	70.9
62 Computer programming, consultancy and related activities	..	..	..	..	29.9	16.4	37.3	48.4
63 Information service activities	..	..	..	..	..	..	..	22.5
<b>64-66 Financial and insurance activities</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>31.1</b>	<b>55.2</b>	<b>75.6</b>	<b>104.3</b>	<b>81.1</b>	<b>79.1</b>	<b>109.2</b>	<b>154.4</b>
68 Real estate activities	..	..	..	0.0	0.0	0.0	0.0	1.7
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	11.7	6.0	12.6	19.5	29.8
72 Scientific research and development	27.6	50.5	70.5	82.0	74.2	61.0	89.5	121.2
77-82 Administrative and support service activities	..	..	..	10.6	0.9	5.6	0.2	1.7
84-99 Community, social and personal services	9.0	5.3	6.8	0.9	0.4	0.9	0.1	1.8
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/anberd2014/20141023/213e>.

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# SINGAPORE

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>2 809.4</b>	<b>3 083.3</b>	<b>3 832.6</b>	<b>4 776.1</b>	<b>3 410.7</b>	<b>3 651.8</b>	<b>4 341.7</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>10-33 MANUFACTURING</b>	<b>1 830.2</b>	<b>2 072.5</b>	<b>2 702.9</b>	<b>3 497.7</b>	<b>2 108.9</b>	<b>2 226.3</b>	<b>2 062.4</b>	..
10-12 Food products, beverages and tobacco	14.6	12.5	13.8	21.9	18.7	17.3	16.3	..
13-15 Textiles, wearing apparel, leather and related products	0.0	0.0	0.0	0.2	0.9	0.9	0.8	..
13 Textiles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..
14 Wearing apparel	0.0	0.0	0.0	0.0	0.7	0.7	0.6	..
15 Leather and related products, footwear	0.0	0.0	0.0	0.2	0.2	0.2	0.3	..
16-18 Wood and paper products and printing	2.9	1.1	3.0	2.2	4.5	3.5	2.9	..
16 Wood and wood products, except furniture	0.1	0.0	0.2	0.0	0.0	0.1	0.0	..
17 Paper and paper products	1.3	0.4	1.1	1.0	2.7	2.8	2.3	..
18 Printing and reproduction of recorded media	1.5	0.8	1.7	1.2	1.7	0.7	0.7	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	197.6	308.6	197.5	121.7	147.9	190.6	207.9	..
19 Coke and refined petroleum products	1.2	1.3	1.1	1.1	1.4	0.7	1.0	..
20-21 Chemical and pharmaceutical products	109.0	298.7	181.2	95.5	127.7	174.8	191.7	..
20 Chemicals and chemical products	48.6	61.4	65.0	66.0	56.0	74.3	81.6	..
21 Pharmaceuticals, medicinal, chemical and botanical products	60.4	237.3	116.2	29.5	71.7	100.5	110.1	..
22 Rubber and plastic products	4.8	4.0	8.6	20.4	6.4	3.5	11.9	..
23 Other non-metallic mineral products	82.5	4.6	6.6	4.7	12.4	11.6	3.2	..
24-25 Basic metals, metal products, except machinery and equipment	36.4	181.6	172.8	152.4	121.1	162.4	19.3	..
24 Basic metals	8.8	2.4	7.5	10.8	3.0	3.8	1.3	..
25 Fabricated metal products, except machinery and equipment	27.6	179.2	165.3	141.7	118.1	158.6	18.0	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 571.5	1 562.0	2 307.7	3 187.7	1 792.6	1 819.6	1 750.3	..
26 Computer, electronic and optical products	1 141.9	1 328.9	2 067.1	2 922.2	1 499.4	1 502.6	1 374.3	..
27 Electrical equipment	30.2	31.4	27.8	18.3	61.3	24.8	20.6	..
28 Machinery and equipment n.e.c.	336.9	103.2	114.3	114.4	98.1	151.5	175.0	..
29 Motor vehicles, trailers and semi-trailers	33.1	64.8	63.1	78.4	81.8	36.7	41.5	..
30 Other transport equipment	29.5	33.7	35.5	54.4	51.9	103.9	138.8	..
31-33 Furniture; repair, installation of machinery and equipment	7.2	6.7	8.1	11.6	23.2	31.9	64.8	..
31 Furniture	..	..	..	..	..	10.5	14.3	..
32 Other manufacturing	..	..	..	..	..	21.4	50.5	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	0.0	0.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>0.3</b>	<b>1.3</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>13.1</b>	<b>11.6</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	0.2	0.1	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	12.9	11.5	..
<b>41-43 CONSTRUCTION</b>	<b>1.8</b>	<b>1.5</b>	<b>1.6</b>	<b>3.3</b>	<b>1.8</b>	<b>1.0</b>	<b>2.1</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>976.9</b>	<b>1 007.7</b>	<b>1 127.8</b>	<b>1 274.3</b>	<b>1 299.9</b>	<b>1 411.4</b>	<b>2 265.5</b>	..
<b>45-82 Business sector services</b>	<b>930.2</b>	<b>978.9</b>	<b>1 090.4</b>	<b>1 211.7</b>	<b>1 222.9</b>	<b>1 402.7</b>	<b>2 257.2</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>257.9</b>	<b>235.9</b>	<b>262.5</b>	<b>322.2</b>	<b>312.5</b>	<b>366.1</b>	<b>480.7</b>	..
<b>49-53 Transportation and storage</b>	<b>3.8</b>	<b>2.1</b>	<b>17.5</b>	<b>20.7</b>	<b>22.9</b>	<b>46.8</b>	<b>38.9</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>1.4</b>	<b>0.3</b>	<b>0.9</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	<b>123.9</b>	<b>125.0</b>	<b>126.5</b>	<b>119.2</b>	<b>118.0</b>	<b>130.0</b>	<b>134.3</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	21.9	32.9	..
58 Publishing activities	..	..	..	..	..	20.5	31.4	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	1.4	1.5	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	1.4	1.5	..
60 Programming and broadcasting activities	..	..	..	..	..	0.0	0.0	..
61 Telecommunications	8.0	10.2	14.7	13.1	7.1	3.2	4.8	..
62-63 IT and other information services	..	..	..	..	..	104.8	96.6	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	102.9	94.4	..
63 Information service activities	..	..	..	..	..	1.9	2.3	..
<b>64-66 Financial and insurance activities</b>	<b>91.1</b>	<b>90.0</b>	<b>90.3</b>	<b>101.0</b>	<b>85.4</b>	<b>83.3</b>	<b>88.0</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>452.1</b>	<b>525.7</b>	<b>592.7</b>	<b>647.8</b>	<b>684.0</b>	<b>776.6</b>	<b>1 515.3</b>	..
68 Real estate activities	..	..	..	..	..	0.0	0.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	130.6	267.2	..
72 Scientific research and development	306.1	382.7	438.5	452.1	499.2	636.9	677.2	..
77-82 Administrative and support service activities	..	..	..	..	..	9.1	570.9	..
84-99 Community, social and personal services	46.7	28.8	37.4	62.5	77.1	8.7	8.3	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	2.7	3.6	..
86-88 Human health and social work activities	..	..	..	..	..	5.1	3.8	..
90-93 Arts, entertainment and recreation	..	..	..	..	..	0.0	0.0	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	0.9	0.9	..

.. Not available

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd2014/20141023/213e>.

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## SINGAPORE

## R&amp;D expenditure in industry by main activity of the enterprise, constant prices

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>2 809.4</b>	<b>2 990.7</b>	<b>3 619.7</b>	<b>4 426.3</b>	<b>3 136.4</b>	<b>3 317.2</b>	<b>3 867.4</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>10-33 MANUFACTURING</b>	<b>1 830.2</b>	<b>2 010.3</b>	<b>2 552.8</b>	<b>3 241.6</b>	<b>1 939.3</b>	<b>2 022.4</b>	<b>1 837.1</b>	..
10-12 Food products, beverages and tobacco	14.6	12.1	13.1	20.3	17.2	15.7	14.5	..
13-15 Textiles, wearing apparel, leather and related products	0.0	0.0	0.0	0.2	0.8	0.8	0.8	..
13 Textiles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..
14 Wearing apparel	0.0	0.0	0.0	0.0	0.6	0.6	0.5	..
15 Leather and related products, footwear	0.0	0.0	0.0	0.2	0.2	0.2	0.3	..
16-18 Wood and paper products and printing	2.9	1.1	2.8	2.1	4.1	3.2	2.6	..
16 Wood and wood products, except furniture	0.1	0.0	0.2	0.0	0.0	0.1	0.0	..
17 Paper and paper products	1.3	0.4	1.0	0.9	2.5	2.5	2.0	..
18 Printing and reproduction of recorded media	1.5	0.7	1.6	1.1	1.6	0.6	0.6	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	197.6	299.3	186.6	112.8	136.0	173.2	185.2	..
19 Coke and refined petroleum products	1.2	1.3	1.0	1.1	1.3	0.6	0.9	..
20-21 Chemicals and pharmaceutical products	109.0	289.7	171.1	88.5	117.4	158.8	170.8	..
20 Chemicals and chemical products	48.6	59.6	61.4	61.1	51.5	67.4	72.7	..
21 Pharmaceuticals, medicinal, chemical and botanical products	60.4	230.1	109.8	27.3	65.9	91.3	98.1	..
22 Rubber and plastic products	4.8	3.9	8.1	18.9	5.9	3.2	10.6	..
23 Other non-metallic mineral products	82.5	4.5	6.2	4.3	11.4	10.6	2.8	..
24-25 Basic metals, metal products, except machinery and equipment	36.4	176.2	163.2	141.3	111.4	147.6	17.2	..
24 Basic metals	8.8	2.4	7.1	10.0	2.8	3.5	1.2	..
25 Fabricated metal products, except machinery and equipment	27.6	173.8	156.1	131.3	108.6	144.1	16.0	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	1 571.5	1 515.0	2 179.6	2 954.2	1 648.5	1 652.9	1 559.1	..
26 Computer, electronic and optical products	1 141.9	1 289.0	1 952.3	2 708.2	1 378.8	1 364.9	1 224.2	..
27 Electrical equipment	30.2	30.5	26.2	16.9	56.4	22.6	18.4	..
28 Machinery and equipment n.e.c.	336.9	100.1	107.9	106.1	90.2	137.6	155.9	..
29 Motor vehicles, trailers and semi-trailers	33.1	62.8	59.6	72.7	75.2	33.4	36.9	..
30 Other transport equipment	29.5	32.7	33.5	50.4	47.7	94.4	123.7	..
31-33 Furniture; repair, installation of machinery and equipment	7.2	6.5	7.6	10.7	21.3	29.0	57.7	..
31 Furniture	..	..	..	..	..	9.6	12.7	..
32 Other manufacturing	..	..	..	..	..	19.4	45.0	..
33 Repair and installation of machinery and equipment	..	..	..	..	..	0.0	0.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>0.3</b>	<b>1.2</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>11.9</b>	<b>10.4</b>	..
35-36 Electricity, gas and water	..	..	..	..	..	0.2	0.1	..
37-39 Sewerage, waste management and remediation activities	..	..	..	..	..	11.7	10.3	..
<b>41-43 CONSTRUCTION</b>	<b>1.8</b>	<b>1.5</b>	<b>1.5</b>	<b>3.1</b>	<b>1.7</b>	<b>0.9</b>	<b>1.8</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>976.9</b>	<b>977.5</b>	<b>1 065.2</b>	<b>1 180.9</b>	<b>1 195.4</b>	<b>1 282.1</b>	<b>2 018.0</b>	..
<b>45-82 Business sector services</b>	<b>930.2</b>	<b>949.5</b>	<b>1 029.9</b>	<b>1 123.0</b>	<b>1 124.5</b>	<b>1 274.2</b>	<b>2 010.7</b>	..
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>257.9</b>	<b>228.8</b>	<b>247.9</b>	<b>298.6</b>	<b>287.4</b>	<b>332.5</b>	<b>428.2</b>	..
<b>49-53 Transportation and storage</b>	<b>3.8</b>	<b>2.0</b>	<b>16.6</b>	<b>19.2</b>	<b>21.1</b>	<b>42.5</b>	<b>34.7</b>	..
<b>55-56 Accommodation and food service activities</b>	<b>1.4</b>	<b>0.3</b>	<b>0.9</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	..
<b>58-63 Information and communication</b>	<b>123.9</b>	<b>121.3</b>	<b>119.5</b>	<b>110.4</b>	<b>108.5</b>	<b>118.1</b>	<b>119.7</b>	..
58-60 Publishing, audiovisual and broadcasting activities	..	..	..	..	..	19.9	29.3	..
58 Publishing activities	..	..	..	..	..	18.6	28.0	..
59-60 Motion picture, video and TV programme production; broadcasting activities	..	..	..	..	..	1.2	1.3	..
59 Motion picture, video and TV programme production; sound and music	..	..	..	..	..	1.2	1.3	..
60 Programming and broadcasting activities	..	..	..	..	..	0.0	0.0	..
61 Telecommunications	8.0	9.9	13.9	12.1	6.5	3.0	4.3	..
62-63 IT and other information services	..	..	..	..	..	95.2	86.1	..
62 Computer programming, consultancy and related activities	..	..	..	..	..	93.5	84.1	..
63 Information service activities	..	..	..	..	..	1.7	2.0	..
<b>64-66 Financial and insurance activities</b>	<b>91.1</b>	<b>87.3</b>	<b>85.3</b>	<b>93.6</b>	<b>78.6</b>	<b>75.7</b>	<b>78.4</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>452.1</b>	<b>509.9</b>	<b>559.8</b>	<b>600.3</b>	<b>629.0</b>	<b>705.5</b>	<b>1 349.8</b>	..
68 Real estate activities	..	..	..	..	..	0.0	0.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	..	..	..	..	..	118.7	238.0	..
72 Scientific research and development	306.1	371.2	414.1	419.0	459.1	578.5	603.2	..
77-82 Administrative and support service activities	..	..	..	..	..	8.3	508.6	..
84-99 Community, social and personal services	46.7	28.0	35.3	58.0	70.9	7.9	7.4	..
84-85 Public administration and defence; compulsory social security and education	..	..	..	..	..	2.5	3.2	..
86-88 Human health and social work activities	..	..	..	..	..	4.6	3.3	..
90-93 Arts, entertainment and recreation	..	..	..	..	..	0.0	0.0	..
94-99 Other services; household-employers; extraterritorial bodies	..	..	..	..	..	0.8	0.8	..

.. Not available

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# CHINESE TAIPEI

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

ISIC Rev. 4

Million USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>9 739.9</b>	<b>11 165.8</b>	<b>12 737.0</b>	<b>14 505.5</b>	<b>15 040.6</b>	<b>17 044.5</b>	<b>19 054.6</b>	<b>20 373.6</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	..	..	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	..	..	..
<b>10-33 MANUFACTURING</b>	<b>8 985.1</b>	<b>10 277.2</b>	<b>11 836.2</b>	<b>13 453.9</b>	<b>13 896.3</b>	<b>15 756.1</b>	<b>17 699.7</b>	<b>18 776.2</b>
10-12 Food products, beverages and tobacco	75.8	84.7	96.9	111.2	103.8	119.3	135.6	158.2
13-15 Textiles, wearing apparel, leather and related products	141.6	188.5	219.9	223.7	228.1	211.5	236.5	252.1
13 Textiles	66.1	79.6	97.1	118.5	115.7	113.3	121.4	119.4
14 Wearing apparel	7.0	10.4	12.7	12.6	12.1	11.0	12.1	10.8
15 Leather and related products, footwear	68.5	98.5	110.1	92.7	100.3	87.1	102.9	121.9
16-18 Wood and paper products and printing	21.8	26.7	24.1	36.4	38.7	39.5	37.3	39.8
16 Wood and wood products, except furniture	0.1	0.0	0.1	0.0	0.0	0.3	1.0	0.8
17 Paper and paper products	11.0	14.9	12.6	19.4	16.2	17.0	16.0	16.9
18 Printing and reproduction of recorded media	10.8	11.9	11.5	17.0	22.5	22.2	20.3	22.1
19-23 Chemical, rubber, plastic, non-metallic mineral products	650.5	708.3	805.7	928.7	936.3	1 095.5	1 240.1	1 335.4
19 Coke and refined petroleum products	56.2	70.7	68.2	63.8	66.7	72.3	77.1	92.9
20-21 Chemical and pharmaceutical products	450.0	490.1	555.3	670.2	689.4	804.6	930.4	987.7
20 Chemicals and chemical products	337.7	364.8	414.1	474.9	477.8	556.2	616.7	655.3
21 Pharmaceuticals, medicinal, chemical and botanical products	112.2	125.3	141.2	195.3	211.6	248.5	313.7	332.5
22 Rubber and plastic products	116.7	117.7	140.9	154.8	158.6	188.2	190.7	214.3
23 Other non-metallic mineral products	27.7	29.8	41.3	39.9	21.5	30.3	41.9	40.6
24-25 Basic metals, metal products, except machinery and equipment	148.6	187.3	229.2	263.7	271.4	297.2	310.9	308.9
24 Basic metals	93.4	121.2	138.9	150.3	151.0	171.5	162.8	159.8
25 Fabricated metal products, except machinery and equipment	55.1	66.1	90.2	113.3	120.4	125.7	148.1	149.2
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	7 845.3	8 960.4	10 337.8	11 721.6	12 179.6	13 820.1	15 580.0	16 502.1
26 Computer, electronic and optical products	6 872.3	7 752.4	9 018.8	10 289.4	10 798.1	12 221.7	13 875.4	14 817.8
27 Electrical equipment	268.1	340.5	402.3	471.1	501.8	580.6	585.5	600.5
28 Machinery and equipment n.e.c.	231.2	341.8	398.3	445.6	376.6	450.7	550.2	494.7
29 Motor vehicles, trailers and semi-trailers	317.9	332.9	333.9	290.3	253.4	298.2	315.4	325.9
30 Other transport equipment	155.6	192.8	184.5	225.2	249.9	269.0	253.5	263.3
31-33 Furniture; repair, installation of machinery and equipment	101.5	121.2	122.6	168.6	138.3	173.0	159.3	179.6
31 Furniture	6.7	8.3	10.3	10.4	11.8	9.9	8.1	10.2
32 Other manufacturing	94.8	112.9	112.4	158.1	126.6	163.2	151.2	169.4
33 Repair and installation of machinery and equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>55.3</b>	<b>49.6</b>	<b>50.5</b>	<b>39.3</b>	<b>36.6</b>	<b>44.5</b>	<b>42.4</b>	<b>46.2</b>
35-36 Electricity, gas and water	55.3	48.8	48.4	38.9	35.6	43.1	40.9	45.1
37-39 Sewerage, waste management and remediation activities	0.0	0.8	2.1	0.4	1.0	1.3	1.5	1.1
<b>41-43 CONSTRUCTION</b>	<b>2.2</b>	<b>5.8</b>	<b>8.2</b>	<b>11.4</b>	<b>10.2</b>	<b>9.9</b>	<b>9.6</b>	<b>11.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>697.3</b>	<b>833.2</b>	<b>842.1</b>	<b>1 000.9</b>	<b>1 097.6</b>	<b>1 234.0</b>	<b>1 302.9</b>	<b>1 539.6</b>
<b>45-82 Business sector services</b>	<b>593.3</b>	<b>711.7</b>	<b>702.6</b>	<b>850.2</b>	<b>928.9</b>	<b>1 047.2</b>	<b>1 131.3</b>	<b>1 348.3</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>14.0</b>	<b>18.2</b>	<b>30.1</b>	<b>38.3</b>	<b>52.3</b>	<b>52.0</b>	<b>49.1</b>	<b>72.2</b>
<b>49-53 Transportation and storage</b>	<b>13.5</b>	<b>16.0</b>	<b>21.2</b>	<b>11.0</b>	<b>9.4</b>	<b>12.5</b>	<b>11.6</b>	<b>12.0</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>1.3</b>	<b>3.7</b>	<b>2.5</b>	<b>0.2</b>	<b>0.7</b>	<b>0.3</b>
<b>58-63 Information and communication</b>	<b>440.5</b>	<b>516.8</b>	<b>508.2</b>	<b>617.6</b>	<b>645.6</b>	<b>728.1</b>	<b>772.5</b>	<b>750.9</b>
58-60 Publishing, audiovisual and broadcasting activities	3.4	6.5	12.9	14.9	9.8	10.2	12.8	17.6
58 Publishing activities	0.0	0.9	2.7	9.3	8.5	8.0	10.8	14.7
59-60 Motion picture, video and TV programme production; broadcasting activities	3.4	5.7	10.2	5.5	1.3	2.1	1.9	2.9
59 Motion picture, video and TV programme production; sound and music	0.0	4.4	4.9	1.5	0.5	1.1	0.2	0.4
60 Programming and broadcasting activities	3.4	1.3	5.3	4.0	0.8	1.1	1.8	2.5
61 Telecommunications	164.8	162.3	163.4	186.1	191.7	233.4	247.0	249.2
62-63 IT and other information services	272.3	348.0	331.9	416.6	444.2	484.5	512.8	484.1
62 Computer programming, consultancy and related activities	272.3	290.9	268.1	345.2	376.3	439.1	451.1	449.0
63 Information service activities	..	57.0	63.8	71.4	67.9	45.3	61.7	35.2
<b>64-66 Financial and insurance activities</b>	<b>55.2</b>	<b>70.3</b>	<b>59.4</b>	<b>73.1</b>	<b>90.2</b>	<b>103.6</b>	<b>119.0</b>	<b>143.0</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>70.0</b>	<b>90.4</b>	<b>82.4</b>	<b>106.5</b>	<b>129.0</b>	<b>150.9</b>	<b>178.3</b>	<b>370.0</b>
68 Real estate activities	0.0	0.3	0.2	0.3	0.3	0.0	0.8	1.2
69-75x72 Professional, scientific and technical activities, except scientific R&D	34.1	46.6	37.6	48.3	50.7	74.6	94.3	282.9
72 Scientific research and development	32.9	40.3	39.7	52.3	72.4	70.0	77.1	78.7
77-82 Administrative and support service activities	3.0	3.3	4.9	5.6	5.6	6.3	6.1	7.2
84-99 Community, social and personal services	104.0	121.5	139.5	150.7	168.6	186.8	171.6	191.3
84-85 Public administration and defence; compulsory social security and education	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
86-88 Human health and social work activities	101.1	118.3	137.1	146.0	165.3	183.1	169.1	189.4
90-93 Arts, entertainment and recreation	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0
94-99 Other services; household-employers; extraterritorial bodies	2.9	3.2	2.2	4.6	3.3	3.6	2.5	1.8

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# CHINESE TAIPEI

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

ISIC Rev. 4

2005 USD PPP

	2005	2006	2007	2008	2009	2010	2011	2012
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>9 739.9</b>	<b>10 832.7</b>	<b>12 037.6</b>	<b>13 445.8</b>	<b>13 835.5</b>	<b>15 491.7</b>	<b>16 984.6</b>	<b>17 849.2</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	..	..	..	..	..	..	..	..
<b>05-09 MINING AND QUARRYING</b>	..	..	..	..	..	..	..	..
<b>10-33 MANUFACTURING</b>	<b>8 985.1</b>	<b>9 970.5</b>	<b>11 186.3</b>	<b>12 471.0</b>	<b>12 782.8</b>	<b>14 320.7</b>	<b>15 776.9</b>	<b>16 449.8</b>
10-12 Food products, beverages and tobacco	75.8	82.2	91.6	103.1	95.5	108.4	120.9	138.6
13-15 Textiles, wearing apparel, leather and related products	141.6	182.9	207.8	207.4	209.8	192.2	210.8	220.8
13 Textiles	66.1	77.2	91.8	109.8	106.4	103.0	108.2	104.6
14 Wearing apparel	7.0	10.1	12.0	11.7	11.1	10.0	10.8	9.4
15 Leather and related products, footwear	68.5	95.6	104.0	85.9	92.3	79.2	91.7	106.8
16-18 Wood and paper products and printing	21.8	25.9	22.8	33.8	35.6	35.9	33.2	34.9
16 Wood and wood products, except furniture	0.1	0.0	0.1	0.0	0.0	0.3	0.9	0.7
17 Paper and paper products	11.0	14.4	11.9	18.0	14.9	15.4	14.2	14.8
18 Printing and reproduction of recorded media	10.8	11.5	10.8	15.8	20.7	20.2	18.1	19.3
19-23 Chemical, rubber, plastic, non-metallic mineral products	650.5	687.2	761.4	860.8	861.3	995.7	1 105.4	1 170.0
19 Coke and refined petroleum products	56.2	68.6	64.5	59.2	61.4	65.7	68.7	81.4
20-21 Chemical and pharmaceutical products	450.0	475.5	524.8	621.2	634.1	731.3	829.3	865.3
20 Chemicals and chemical products	337.7	353.9	391.4	440.2	439.5	505.5	549.7	574.1
21 Pharmaceuticals, medicinal, chemical and botanical products	112.2	121.5	133.4	181.0	194.6	225.8	279.7	291.3
22 Rubber and plastic products	116.7	114.2	133.1	143.5	145.9	171.1	169.9	187.7
23 Other non-metallic mineral products	27.7	28.9	39.0	37.0	19.8	27.5	37.4	35.5
24-25 Basic metals, metal products, except machinery and equipment	148.6	181.7	216.6	244.4	249.7	270.1	277.2	270.7
24 Basic metals	93.4	117.6	131.3	139.4	138.9	155.9	145.2	140.0
25 Fabricated metal products, except machinery and equipment	55.1	64.1	85.3	105.1	110.8	114.2	132.0	130.7
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	7 845.3	8 693.0	9 770.2	10 865.3	11 203.8	12 561.1	13 887.4	14 457.5
26 Computer, electronic and optical products	6 872.3	7 521.1	8 523.6	9 537.7	9 932.9	11 108.3	12 368.1	12 981.8
27 Electrical equipment	268.1	330.3	380.2	436.7	461.6	527.7	521.9	526.1
28 Machinery and equipment n.e.c.	231.2	331.6	376.4	413.1	346.4	409.6	490.4	433.4
29 Motor vehicles, trailers and semi-trailers	317.9	323.0	315.6	269.1	233.1	271.0	281.1	285.5
30 Other transport equipment	155.6	187.1	174.4	208.7	229.8	244.5	226.0	230.7
31-33 Furniture; repair, installation of machinery and equipment	101.5	117.6	115.9	156.3	127.3	157.3	142.0	157.3
31 Furniture	6.7	8.0	9.7	9.7	10.8	9.0	7.2	8.9
32 Other manufacturing	94.8	109.5	106.2	146.6	116.4	148.3	134.8	148.4
33 Repair and installation of machinery and equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>55.3</b>	<b>48.1</b>	<b>47.7</b>	<b>36.4</b>	<b>33.6</b>	<b>40.4</b>	<b>37.8</b>	<b>40.5</b>
35-36 Electricity, gas and water	55.3	47.4	45.7	36.1	32.8	39.2	36.4	39.5
37-39 Sewerage, waste management and remediation activities	0.0	0.8	2.0	0.3	0.9	1.2	1.3	1.0
<b>41-43 CONSTRUCTION</b>	<b>2.2</b>	<b>5.7</b>	<b>7.7</b>	<b>10.5</b>	<b>9.4</b>	<b>9.0</b>	<b>8.6</b>	<b>10.1</b>
<b>45-99 TOTAL SERVICES</b>	<b>697.3</b>	<b>808.3</b>	<b>795.9</b>	<b>927.8</b>	<b>1 009.6</b>	<b>1 121.6</b>	<b>1 161.4</b>	<b>1 348.8</b>
<b>45-82 Business sector services</b>	<b>593.3</b>	<b>690.4</b>	<b>664.0</b>	<b>788.1</b>	<b>854.5</b>	<b>951.8</b>	<b>1 008.4</b>	<b>1 181.2</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>14.0</b>	<b>17.6</b>	<b>28.5</b>	<b>35.5</b>	<b>48.1</b>	<b>47.3</b>	<b>43.8</b>	<b>63.2</b>
<b>49-53 Transportation and storage</b>	<b>13.5</b>	<b>15.5</b>	<b>20.1</b>	<b>10.2</b>	<b>8.7</b>	<b>11.3</b>	<b>10.3</b>	<b>10.5</b>
<b>55-56 Accommodation and food service activities</b>	<b>0.0</b>	<b>0.0</b>	<b>1.2</b>	<b>3.4</b>	<b>2.3</b>	<b>0.1</b>	<b>0.6</b>	<b>0.3</b>
<b>58-63 Information and communication</b>	<b>440.5</b>	<b>501.3</b>	<b>480.3</b>	<b>572.5</b>	<b>593.9</b>	<b>661.7</b>	<b>688.6</b>	<b>657.8</b>
58-60 Publishing, audiovisual and broadcasting activities	3.4	6.3	12.2	13.8	9.0	9.2	11.4	15.4
58 Publishing activities	0.0	0.8	2.5	8.7	7.8	7.3	9.7	12.9
59-60 Motion picture, video and TV programme production; broadcasting activities	3.4	5.5	9.6	5.1	1.2	1.9	1.7	2.5
59 Motion picture, video and TV programme production; sound and music	0.0	4.2	4.6	1.4	0.4	1.0	0.1	0.4
60 Programming and broadcasting activities	3.4	1.3	5.0	3.7	0.7	1.0	1.6	2.2
61 Telecommunications	164.8	157.4	154.4	172.5	176.3	212.1	220.1	218.3
62-63 IT and other information services	272.3	337.6	313.7	386.1	408.6	440.4	457.1	424.1
62 Computer programming, consultancy and related activities	272.3	282.3	253.3	320.0	346.2	399.1	402.1	393.3
63 Information service activities	..	55.3	60.3	66.2	62.4	41.2	55.0	30.8
<b>64-66 Financial and insurance activities</b>	<b>55.2</b>	<b>68.2</b>	<b>56.1</b>	<b>67.8</b>	<b>82.9</b>	<b>94.2</b>	<b>106.1</b>	<b>125.3</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>70.0</b>	<b>87.7</b>	<b>77.9</b>	<b>98.7</b>	<b>118.7</b>	<b>137.1</b>	<b>158.9</b>	<b>324.1</b>
68 Real estate activities	0.0	0.2	0.2	0.3	0.3	0.0	0.7	1.0
69-75x72 Professional, scientific and technical activities, except scientific R&D	34.1	45.2	35.5	44.8	46.7	67.8	84.0	247.9
72 Scientific research and development	32.9	39.1	37.6	48.5	66.6	63.7	68.7	68.9
77-82 Administrative and support service activities	3.0	3.2	4.6	5.2	5.2	5.7	5.5	6.3
84-99 Community, social and personal services	104.0	117.9	131.9	139.7	155.1	169.8	153.0	167.6
84-85 Public administration and defence; compulsory social security and education	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
86-88 Human health and social work activities	101.1	114.8	129.6	135.4	152.1	166.4	150.7	166.0
90-93 Arts, entertainment and recreation	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0
94-99 Other services; household-employers; extraterritorial bodies	2.9	3.1	2.1	4.3	3.0	3.3	2.2	1.6

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