

TABLE SA6-1

OECD classification of industries by R&D intensity

(List of industries)

R&D Intensity Category	Manufacturing			Services		
	Industry code	Name	R&D intensity (%)	Industry code	Name	R&D intensity (%)
High R&D intensity	303	Air and spacecraft and related machinery	31.69	72	Scientific research and development	30.39
	21	Pharmaceuticals	27.98	582	Software publishing	28.94
	26	Computer, electronic, and optical products	24.05			
Medium-high R&D intensity	252	Weapons and ammunition	18.87	62-63	IT and other information services	5.92
	29	Motor vehicles, trailers, and semi-trailers	15.36			
	325	Medical and dental instruments	9.29			
	28	Machinery and equipment nec	7.89			
	20	Chemicals and chemical products	6.52			
	27	Electrical equipment	6.22			
	30X	Railroad, military vehicles and transport nec (ISIC 302, 304, and 309)	5.72			
Medium R&D intensity	22	Rubber and plastic products	3.58			
	301	Building of ships and boats	2.99			
	32X	Other manufacturing except medical and dental instruments	2.85			
	23	Other non-metallic mineral products	2.24			
	24	Basic metals	2.07			
	33	Repair and installation of machinery and equipment	1.93			
Medium-low R&D intensity	13	Textiles	1.73	69-75X	Professional, scientific and technical activities except scientific R&D services (ISIC 69-75 less 72)	1.76
	15	Leather and related products	1.65	61	Telecommunications	1.45
	17	Paper and paper products	1.58	05-09	Mining and quarrying	0.8
	10-12	Food products, beverages and tobacco	1.44	581	Publishing of books and periodicals	0.57
	14	Wearing apparel	1.40			
	25X	Fabricated metal products except weapons and ammunition (ISIC 25 less 252)	1.19			
	19	Coke and refined petroleum products	1.17			
	31	Furniture	1.17			
	16	Wood and products of wood and cork	0.70			
	18	Printing and reproductions of recorded media	0.67			
Low R&D intensity				64-66	Financial and insurance activities	0.38
				35-39	Electricity, gas, and water supply, waste management, and remediation	0.35
				59-60	Audiovisual and broadcasting activities	0.32
				45-47	Wholesale and retail trade	0.28
				01-03	Agriculture, forestry and fishing	0.27
				41-43	Construction	0.21
				77-82	Administrative and support services	0.18

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				90-99	Arts, entertainment, repair of household goods, and other services	0.11
				49-53	Transportation and storage	0.08
				55-56	Accommodation and food service activities	0.02
				68	Real estate activities	0.01

nec = not elsewhere classified.

OECD = Organisation for Economic Co-operation and Development.

Note(s):

R&D intensity are global R&D expenditures as a share of global value added output of industry. The global R&D and value added excludes several economies, including China, India, and Mexico due to incomplete missing industry and R&D data. Industries classified according to International Standard Industry Classification, Revision 4.

Source(s):

Galindo-Rueda F, Verger F. 2016. OECD Taxonomy of Economic Activities Based on R&D Intensity. OECD Science, Technology and Industry Working Papers, 2016/04, OECD Publishing, Paris.