

Table 31. Total business enterprise R&D personnel as a percentage of national total

Percentage

	2005	2014	2015	2016	2017	2018	2019
Australia	..	..	..	..	..	..	..
Austria	68.8 ^{d,e}	70.6 ^{d,e}	70.8 ^d	69.0 ^{d,e}	69.0 ^d	69.0 ^{d,p}	70.0 ^d
Belgium	59.1	58.2	57.4 ^b	58.9 ^e	60.6	60.4	61.7
Canada	65.0	61.1 ^b	63.4	61.3	60.9	61.0	..
Chile	..	32.0 ^d	28.8 ^d	29.8 ^d	27.2 ^d	25.2 ^{d,p}	..
Colombia	..	..	..	..	..	..	..
Czech Republic	48.7 ^b	54.7	54.7	56.6	57.3	56.5	56.5
Denmark	65.2	60.7	61.2	61.8	59.8	59.3	60.4 ^p
Estonia	32.0	31.1	30.1	32.1	34.5	34.8	41.3
Finland	55.9	56.8	59.1	58.3	57.4	57.4	57.7
France	55.8	58.5 ^b	58.7	59.2	60.1 ^p	61.0 ^p	61.9 ^e
Germany	64.1	61.4 ^e	63.2	62.8 ^e	63.6	63.7 ^e	64.7
Greece	34.7 ^d	17.9 ^d	16.4 ^d	21.8 ^d	27.3 ^d	27.2 ^d	26.6 ^d
Hungary	31.8	59.4	57.1	58.2	61.1	56.8 ^d	58.2 ^d
Iceland	47.4	..	54.5 ^d	..	56.7 ^d	..	..
Ireland	61.9	53.2 ^e	53.5 ^e	53.0 ^e	54.3 ^e	52.9 ^e	53.5
Israel ¹	..	..	..	..	..	..	..
Italy	40.4 ^d	51.8 ^d	52.8 ^d	56.7 ^{b,d}	60.4 ^d	63.3 ^d	63.2 ^d
Japan	68.0 ^d	68.2 ^d	67.7 ^d	67.2 ^d	67.7 ^d	68.2 ^{b,d}	68.3 ^d
Korea	71.2 ^d	72.9	73.2	73.5	75.5	76.5	77.1
Latvia	25.0 ^d	24.1 ^d	20.6 ^d	17.5 ^d	17.8 ^d	21.0 ^d	19.8 ^d
Lithuania	10.8	28.0	25.6	24.1	32.7	36.0	37.0
Luxembourg	83.4	58.5	58.3	59.9	58.6	56.4	58.6 ^{e,p}
Mexico	50.6	31.1	33.1	40.0	40.5 ^e	41.1 ^e	42.6 ^e
Netherlands	51.9	69.5	69.9	71.0	71.5	71.9	71.8
New Zealand	32.2	..	33.3	..	41.2	..	46.2
Norway	51.4	51.1	51.0	50.5	51.4	51.0	51.6
Poland	18.2	35.7	38.5	49.9 ^b	50.6 ^d	53.1 ^d	52.9 ^d
Portugal	23.8	37.0	38.1	38.4	40.0	40.7	43.6
Slovak Republic	24.5 ^d	23.5 ^d	25.0 ^d	26.1 ^d	29.7 ^d	32.2 ^d	33.6 ^d
Slovenia	48.3	65.2	64.8	66.4	67.7 ^d	66.8 ^d	66.7 ^d
Spain	43.1	43.8 ^d	43.5 ^d	43.8 ^d	44.3 ^d	46.3 ^d	46.0 ^d
Sweden	72.3 ^{b,e}	68.7 ^e	69.0 ^e	70.9 ^e	71.7 ^v	73.4 ^e	70.9 ^e
Switzerland	..	..	62.4	..	60.4	..	..
Turkey	30.4 ^e	53.7 ^e	54.5 ^e	53.0	57.3	60.6	62.9
United Kingdom	44.8 ^{b,e}	48.5 ^e	49.8	50.2 ^e	52.1 ^e	54.0 ^e	54.0 ^{p,s}
United States	..	..	..	..	..	..	..
EU27 (from 01/02/2020)	52.3 ^e	55.1 ^e	55.9 ^e	57.3 ^e	58.4 ^e	59.2 ^e	59.6 ^e
OECD-Total	..	..	..	..	..	..	..
Argentina	15.8	13.0	15.5 ^b	15.7	16.1	16.6	16.9
China	64.7 ^d	78.1	77.4	77.7	77.3	78.2	76.4
Romania	48.6	33.2	32.3	33.5	35.4	37.8	36.7
Russian Federation	57.0	51.0	51.1	50.1	50.0	47.4	51.8
Singapore	59.7	50.9	50.7	49.6	49.9	51.6	..
South Africa	42.5	33.6	30.3	29.5	29.3	..	..
Chinese Taipei	64.8	75.2	76.1	76.7	77.2	77.6	77.5

Note: Detailed metadata:<http://metalinks.oecd.org/msti/20210922/b090>

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1. Information on data for Israel:<http://dx.doi.org/10.1787/888932315602>

Source: OECD, Main Science and Technology Indicators database