

Table 10. Total R&D personnel in full-time equivalent per thousand total employment

Per thousand

	2005	2014	2015	2016	2017	2018	2019
Australia	..	..	..	..	..	..	..
Austria	12.3 ^{d,e}	16.5 ^{d,e}	16.7 ^d	17.3 ^{d,e}	17.2 ^d	18.0 ^{d,p}	18.5 ^{d,e,p}
Belgium	12.5	15.9	16.8 ^b	16.9 ^e	17.4	18.3 ^e	19.7 ^{e,p}
Canada	13.3	13.1 ^b	13.4	12.4	12.2 ^e	..	..
Chile	..	2.0 ^d	1.9 ^d	2.0 ^d	2.0 ^d	1.9 ^{d,p}	..
Colombia	..	..	..	..	..	..	..
Czech Republic	8.8 ^b	12.6	12.8	12.5	13.0	13.8	14.6 ^{e,p}
Denmark	15.6	20.9	21.3	21.9	21.6 ^p	21.8 ^p	20.2 ^{e,p}
Estonia	7.1	9.5	9.0	9.2	9.4	9.5	9.9 ^{e,p}
Finland	23.8	20.6	20.0	18.7	19.1	19.0	19.3 ^e
France	13.3	15.5 ^b	15.6	15.7	15.9 ^p	16.1 ^p	16.3 ^e
Germany	12.1	14.2	14.9	15.1	15.5	15.8	16.2 ^e
Greece	7.2 ^d	9.7 ^d	11.5 ^d	9.4 ^d	10.7 ^d	11.4 ^d	12.0 ^{d,p}
Hungary	5.6	8.8	8.5	8.0	8.9	11.7 ^d	12.1 ^e
Iceland	20.0	..	16.0	..	16.0 ^e	..	..
Ireland	8.5	17.3 ^e	17.3 ^e	16.8 ^e	17.1 ^e	16.5 ^e	16.5 ^e
Israel ¹	..	..	..	..	..	..	..
Italy	7.1 ^d	10.2 ^d	10.6 ^d	11.7 ^{b,d}	12.6 ^d	13.6 ^d	14.0 ^{d,e,p}
Japan	13.7 ^d	13.6 ^d	13.2 ^d	13.0 ^d	13.2 ^d	13.1 ^{b,d}	13.0 ^{d,e}
Korea	9.4 ^d	16.6	16.9	16.9	17.6	18.7	19.4 ^e
Latvia	5.7 ^d	6.5 ^d	6.3 ^d	5.8 ^d	6.1 ^d	6.4 ^d	6.6 ^{d,e,p}
Lithuania	8	9	8	8	9	9	9 ^{e,p}
Luxembourg	14.3	13.2	13.0	12.9	12.8	12.2	12.7 ^{e,p}
Mexico	2.6	1.4	1.5	1.7	1.7 ^e	1.6 ^e	1.7 ^e
Netherlands	11.2	15.6	15.8	16.2	16.4	16.7	16.7 ^{e,p}
New Zealand	9.2	..	14.1	..	14.2	..	..
Norway	12.9	15.0	15.7	16.2	16.8	16.7	17.2 ^e
Poland	5.5	6.6	6.8	6.9	8.8 ^d	9.9 ^d	10.0 ^{d,e}
Portugal	5.1	10.4	10.5	10.8	11.5	11.8	12.4 ^e
Slovak Republic	6.9 ^d	7.9 ^d	7.8 ^d	7.7 ^d	8.0 ^d	8.4 ^d	8.7 ^{d,e}
Slovenia	9.7	16.0	15.1	15.0	14.9	15.4	16.2 ^{d,e,p}
Spain	8.9	11.1 ^d	10.9 ^d	10.9 ^d	11.1 ^d	11.4 ^d	11.4 ^{d,e,p}
Sweden	17.8 ^{b,e}	17.6 ^e	17.4 ^e	18.5 ^e	17.8 ^{e,v}	18.1 ^e	17.8 ^e
Switzerland	..	..	16.6	..	16.3	..	..
Turkey	2.5 ^e	4.5 ^e	4.6 ^e	5.1	5.5 ^e	6.1 ^e	6.6 ^e
United Kingdom	11.3 ^{b,e}	12.9 ^e	13.2	13.1 ^e	13.8 ^e	14.3 ^e	14.8 ^{e,p}
United States	..	..	..	..	..	..	..
EU27 (from 01/02/2020)	9.8 ^e	12.2 ^e	12.5 ^e	12.7 ^e	13.2 ^e	13.7 ^e	14.0 ^e
OECD-Total	..	..	..	..	..	..	..
Argentina	2.9	4.4	4.4	4.5	4.4	..	..
China	1.8 ^d	4.8	4.9	5.0	5.2	5.6	..
Romania	3.6	3.6	3.7	3.8	3.8	3.7	3.7
Russian Federation	13.5	11.6	11.5	11.1	10.8	10.5	10.5
Singapore	12.3	11.7	12.4	12.3	12.1	12.1	..
South Africa	2.3	2.5	2.6	2.7	2.7	..	..
Chinese Taipei	15.0	21.7	21.9	22.2	22.5	22.9	23.6

Note: Detailed metadata:<http://metalinks.oecd.org/msti/20210316/5d8c>

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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