

Table 56. Government Total R&D personnel in full-time equivalent

FTE

	2005	2013	2014	2015	2016	2017	2018
Australia	..	..	14 715	..	14 773	..	..
Austria	2 318 ^{d,e}	2 538 ^d	2 641 ^{d,e}	2 674 ^d	5 208 ^{d,e}	5 266 ^d	5 595 ^{d,p}
Belgium	3 589	5 931	6 381	6 470 ^b	6 653	6 946	7 866 ^e
Canada	17 860	18 110	18 050	15 410	14 300	15 120	..
Chile	..	1 382 ^{b,d}	1 372 ^d	1 495 ^d	2 223 ^d	2 295 ^d	2 316 ^{d,p}
Colombia	..	..	..	..	..	..	..
Czech Republic	11 054 ^b	12 275	12 380	12 953	13 099	13 689	14 163
Denmark	3 240	1 544	1 686	1 792	1 720	2 256 ^p	2 304 ^p
Estonia	696	851	800	782	841	847	680
Finland	7 422	6 319	5 880	4 519	4 039	4 240	4 217
France	49 645 ^d	49 982	49 375	49 413	49 409	49 195 ^p	48 980 ^e
Germany	76 254 ^d	98 161 ^d	101 005 ^d	101 717 ^d	103 206 ^d	106 025 ^d	109 487 ^d
Greece	4 345 ^d	11 436 ^d	11 125 ^d	13 628 ^d	11 750 ^d	12 074 ^d	13 350 ^d
Hungary	7 652	7 765	7 215	8 111	7 456	7 271	10 633 ^d
Iceland	849	266 ^b	..	275	185	277	..
Ireland	1 132	818	826	951	993	1 051	1 196
Israel ¹	..	..	..	..	..	..	..
Italy	32 684 ^d	39 023 ^d	38 506 ^d	38 669 ^d	38 490 ^d	38 756 ^d	39 442 ^d
Japan	62 975 ^d	61 486 ^d	61 585 ^d	60 299 ^d	61 615 ^d	62 046 ^d	62 470 ^d
Korea	16 847 ^d	34 367	35 574	38 174	38 119	37 578	38 738
Latvia	1 256 ^d	1 178 ^d	1 180 ^d	1 184 ^d	1 077 ^d	974 ^d	1 032 ^d
Lithuania	3 113.0	2 227.0	2 224.0	2 156.0	2 398.5	2 407.5	2 332.9
Luxembourg	560 ^d	1 195 ^d	1 187 ^d	1 136 ^d	1 072 ^d	1 129 ^d	1 138 ^{d,p}
Mexico	14 837 ^e	16 944	13 158	12 959	13 183	..	..
Netherlands	12 706 ^d	13 485 ^d	14 121 ^d	14 348 ^d	13 982 ^d	14 242 ^d	9 402 ^{b,p}
New Zealand	3 100	3 300	..	3 500	..	3 400	..
Norway	5 147	6 780	6 690	6 820	6 810	6 793	6 598
Poland	17 877	21 884	22 614	22 073	3 733 ^b	4 596 ^d	4 377 ^d
Portugal	4 533	1 983	2 037	2 066	2 098	2 212	2 283
Slovak Republic	3 717 ^d	3 545 ^d	4 147 ^d	4 335 ^d	4 414 ^d	4 213 ^d	4 060 ^d
Slovenia	2 517	2 596	2 490	2 437	2 501	2 323	2 497
Spain	32 077	39 349 ^d	38 764 ^d	39 678 ^d	39 972 ^d	40 283 ^d	40 332 ^d
Sweden	3 444 ^{b,e}	3 217 ^e	3 404 ^e	4 234 ^{b,e}	4 269 ^e	4 894	4 918 ^e
Switzerland	..	..	897 ^d	909 ^d	..	875 ^d	..
Turkey	8 825	12 004	12 230	12 328	11 799 ^d	11 345 ^d	11 379 ^d
United Kingdom	20 415	16 592	16 250	14 615	14 531	14 698	14 631
United States	..	..	..	..	..	..	..
EU28 (OECD estimates)	321 394 ^e	363 164 ^e	364 447 ^e	367 856 ^e	350 831 ^e	357 178 ^e	362 442 ^e
OECD-Total	..	..	..	..	..	..	..
Argentina	21 688	35 850	37 757	39 271	40 248	38 245	..
China	254 506 ^d	467 313	479 435	493 200	505 927	531 629	545 771
Romania	10 055	12 336	11 866	12 080	12 663	12 500	11 986
Russian Federation	296 428	282 051	283 161	283 968	287 129	283 620	289 612
Singapore	2 173	3 145	3 497	3 879	4 075	4 009	4 073
South Africa	5 586	7 410	6 362	6 417	6 453	..	..
Chinese Taipei	25 673	24 240	24 322	24 408	25 031	25 460	26 411

Note: Detailed metadata:<http://metalinks.oecd.org/msti/20200805/3885>

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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