

OCCUPATIONAL EXPOSURE AS A FIREFIGHTER

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Table S1.2 Number of firefighters, by employment status, in 57 countries

| Country | Career firefighters | Volunteer and on-call firefighters | Total ^a | Female firefighters (%) |
|----------------------------------|---------------------|------------------------------------|--------------------|-------------------------|
| Albania | 724 | – | 724 | – |
| Armenia | 2 298 | – | 2 298 | 3 |
| Australia ^b | 15 027 | 144 159 | 161 618 | – |
| Austria | – | – | 341 325 | 7 |
| Barbados | 214 | – | 214 | – |
| Belarus | 9 276 | 6 660 | 15 936 | – |
| Belgium | 5 519 | 12 230 | 17 749 | – |
| Brunei Darussalam | 987 | 1 695 | 2 682 | – |
| Bulgaria | 6 476 | 3 138 | 9 614 | 3 |
| Canada | 26 000 | 126 650 | 152 650 | 4 ^c |
| China | 130 000 | 7 500 000 | 7 630 000 | – |
| Croatia | 3 425 | 54 289 | 58 714 | 12 |
| Cyprus | 618 | 116 | 734 | 9 |
| Czechia | 12 963 | 67 149 | 80 112 | 1 |
| Denmark | 1 368 | 416 | 5 784 | 4 |
| Estonia | 1 561 | 2 066 | 3 627 | 9 |
| Finland | 3 846 | 12 421 | 19 267 | 8 |
| France | 56 250 | 198 800 | 255 050 | 17 |
| Germany | 48 558 | 994 042 | 1 042 600 | 9 ^d |
| Georgia | 5 128 | – | 5 128 | – |
| Greece | 13 749 | 2 178 | 15 927 | 12 |
| Hungary | 10 913 | 19 965 | 30 878 | 2 ^c |
| Ireland | 2 012 | 76 | 4 088 | 0 |
| Iran (Islamic Republic of) | 9 285 | – | 9 285 | – |
| Israel | 2 000 | 2 200 | 4 200 | – |
| Italy | 28 870 | 20 060 | 48 930 | 3 |
| Japan | 165 438 | 831 982 | 997 420 | 3 |
| Jordan | 4 509 | 10 | 4 519 | – |
| Kazakhstan | 17 500 | 43 000 | 60 500 | – |
| Kuwait | 3 800 | – | 3 800 | – |
| Lao People's Democratic Republic | 244 | 0 | 244 | – |
| Latvia | 2 700 | 430 | 3 130 | 0 |
| Liechtenstein | 0 | 618 | 618 | 4 |
| Lithuania | 2 845 | 1 765 | 4 610 | 0 |
| Luxemburg | 506 | 4 750 | 5 256 | 16 |
| Malaysia | 8 928 | 11 338 | 20 266 | – |
| Mongolia | 3 152 | 74 | 3 226 | 0 |
| Netherlands (Kingdom of the) | 4 357 | 19 646 | 24 003 | 5 |
| New Zealand | 2 785 | 11 847 | 14 632 | 15 |
| Norway | 3 718 | 152 | 11 870 | 2 |
| Poland | 30 351 | 645 842 | 676 193 | 9 |
| Portugal | 4 100 | 45 000 | 49 100 | 13 ^e |
| Republic of Korea | 57 779 | 94 257 | 152 036 | 21 |
| Republic of Moldova | 1 381 | 90 | 1 471 | – |
| Romania | 26 456 | 100 835 | 127 291 | 6 |

Table S1.2 (continued)

| Country | Career firefighters | Volunteer and on-call firefighters | Total ^a | Female firefighters (%) |
|--------------------|---------------------|------------------------------------|--------------------|-------------------------|
| Russian Federation | 271 000 | 956 600 | 1 227 600 | 14 ^c |
| Serbia | 3 169 | – | 3 169 | 2 |
| Singapore | 2 742 | – | 2 742 | 17 |
| Slovakia | 3 740 | 69 700 | 73 440 | 17 |
| Slovenia | 950 | 167 454 | 168 404 | 33 |
| Sweden | 4 970 | 699 | 15 669 | 7 |
| Switzerland | 1 185 | 80 110 | 81 295 | 9 ^c |
| Taiwan, China | 8 180 | 26 500 | 34 680 | – |
| Ukraine | 53 286 | 142 598 | 195 884 | – |
| United Kingdom | 40 100 | 1 400 | 60 500 | 7 ^f |
| USA ^g | 358 000 | 722 800 | 1 080 800 | 8 (4 ^c) |
| Viet Nam | 9 825 | 920 729 | 930 554 | – |
| Total | 1 491 736 | 13 944 161 | 15 485 313 | 9 |

^a In addition to career, volunteer, and on-call firefighters, the total includes part-time firefighters.

^b [Australian Government Productivity Commission \(2022\)](#), data for 2020–2021.

^c Out of career firefighters.

^d Out of volunteer firefighters.

^e [Lam \(2009\)](#).

^f [UK Home Office \(2021a\)](#), data for England in 2020.

^g [Fahy et al. \(2021\)](#), data for 2019.

Adapted from the International Association of Fire and Rescue Services World Fire Statistics Report ([CTIF, 2021](#)). Data from 2010–2019 with the most recent numbers included.

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