**Table 4 - Excess deaths by sex: Observed*versus*expected 2020 deaths\*§**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **Time unit a** | **Time frame: Week #1 - Week #** | **E deaths (95% CI)**  | **O deaths (2020)**   | **Ratio O / E deaths**   | **Excess deaths** **(95% CI)** **b/c**  | **COVID-19 deaths**   |
|  |  |  |  |  | **MALES** |  |  |
| **Australia**  | National Week  | 26  | 35,833 (35,325; 36,344)  | 34,709  | 0.97  | -1,124 (-1,635; -616) c  |   |
| **Austria**  | ISO  | 35  | 27,082 (26,507; 27,662)  | 27,560  | 1.02  | 478 (-102;1,053)  |   |
| **Brazil**  | Epi  | 35  | 511,928 (507,710; 516,158)  | 591,948  | 1.16  | 80,020 (75,790; 84,238)b  | 70,135†  |
| **Cyprus**  | ISO  | 35  | 2,238 (2,134; 2,344)  | 2,235  | 1.00  | -3 (-109; 101)  | 14††  |
| **Denmark**  | Epi  | 35  | 19,092 (18,748; 19,438)  | 18,458  | 0.97  | -634 (-980; -290)c  |   |
| **England & Wales**  | National Week  | 35  | 182,453 (178,534; 186,401)  | 210,180  | 1.15  | 27,727 (23,779; 31,646)b  | 28,466††  |
| **Estonia**  | ISO  | 26  | 3,707 (3,573; 3,839)  | 3687  | 1.00  | -18 (-152; 114)  | 30††  |
| **France**  | ISO  | 35  | 210,169 (207,011; 213,343)  | 218,467  | 1.04  | 8,298 (5,124; 11,456)b  | 11,795††  |
| **Georgia**  | ISO  | 35  | 15,890 (15,476; 16,308)  | 15,468  | 0.97  | -422 (-840; -8)c  | 8††  |
| **Ireland**  | ISO  | 26  | 8,347 (8,140; 8,557)  | 8,328  | 1.00  | -19 (-229; 188)  | 724††  |
| **Israel**  | Epi  | 35  | 15,930 (15,616; 16,246)  | 16,332  | 1.03  | 402 (86; 716) b  | 486†  |
| **Italy**  | Epi  | 26  | 160,293 (156,716; 163,897)  | 167,581  | 1.05  | 7,288 (3,684; 10,865)b  |   |
| **Norway**  | ISO  | 35  | 13,405 (13,137; 13,674)  | 13,338  | 1.00  | -67 (-336; 201)  |   |
| **Scotland d**  | ISO  | 35  | 19,411 (18,956; 19,870)  | 21,686  | 1.12  | 2,275 (1,816; 2,730)b  | 2,098††  |
| **Slovenia**  | ISO  | 35  | 7,138 (6,913; 7,366)  | 6,983  | 0.98  | -155 (-383; 70)  | 50†  |
| **Ukraine**  | ISO  | 35  | 188,961 (166,282; 212,586)  | 215,579  | 1.14  | 26,618 (2,993; 49,297)b  | 2,209††  |
| **USA**  | Epi  | 35  | 1,111,443 (1,102,159; 1,120,753)  | 1,154,095  | 1.04  | 42,653 (33,343; 51,936)b  | 101,081†  |
|  |  |  |  |  | **FEMALES** |  |  |
| **Australia**  | National Week  | 26  | 35,241 (34,683; 35,802)  | 34,276  | 0.97  | -965 (-1,526; -407)c  |   |
| **Austria**  | ISO  | 35  | 28,646 (27,957; 29,339)  | 28,685  | 1.00  | 39 (-654; 728)  |   |
| **Brazil**  | Epi  | 35  | 416,071 (412,427; 419,726)  | 456,580  | 1.10  | 40,509 (36,854; 44,153)b  | 50,661†  |
| **Cyprus**  | ISO  | 35  | 2,021 (1,915; 2,130)  | 2,032  | 1.01  | 11 (-98; 117)  | 6††  |
| **Denmark**  | Epi  | 35  | 18,379 (18,050; 18,711)  | 17,673  | 0.96  | -706 (-1,038; -377)c  |   |
| **England & Wales**  | National Week  | 35  | 180,815 (176,217; 185,452)  | 206,908  | 1.14  | 26,093 (21,456; 30,691)b  | 23,274††  |
| **Estonia**  | ISO  | 26  | 4250 (4106; 4395)  | 4131  | 0.97  | -119 (-264; 25)  | 33††  |
| **France**  | ISO  | 35  | 211,921 (207,998; 215,868)  | 217,320  | 1.03  | 5,399 (1,452; 9,322)b  | 8,229††  |
| **Georgia**  | ISO  | 35  | 15,107 (14,630; 15,588)  | 14,690  | 0.97  | -417 (-898; 60)  | 10††  |
| **Ireland**  | ISO  | 26  | 7,629 (7,395; 7,866)  | 8,052  | 1.06  | 423 (186; 657)b  | 747††  |
| **Israel**  | Epi  | 35  | 15,647 (15,316; 15,980)  | 15,754  | 1.01  | 107 (-226; 438)  | 426†  |
| **Italy**  | Epi  | 26  | 174,840 (169,978; 179,747)  | 178,655  | 1.02  | 3,815 (-1,092; 8,677)  |   |
| **Norway**  | ISO  | 35  | 14,018 (13,712; 14,327)  | 13,738  | 0.98  | -280 (-589; 26)  |   |
| **Scotland d**  | ISO  | 35  | 20,102 (19,526; 20,684)  | 21,737  | 1.08  | 1,635 (1,053; 2,211)b  | 2,131††  |
| **Slovenia**  | ISO  | 35  | 7,274 (7,047; 7,503)  | 7,189  | 0.99  | -85 (-314; 142)  | 78†  |
| **Ukraine**  | ISO  | 35  | 182,010 (159,894; 205,061)  | 162,727  | 0.89  | -19,283 (-42,334; 2,833)  | 1,113††  |
| **USA**  | Epi  | 35  | 845,188 (838,507; 851,887)  | 1,033,798  | 1.22  | 188,609 (181,910; 195,291)b  | 85,673†  |

Abbreviations: E: Expected; O: Observed

\*Empty cells indicate that data is not available for the specific country

§ Northern Ireland and Spain not included because of sex-specific data not available

a ISO week: Monday – Sunday; Epi week: Sunday – Saturday; National week:  Australia uses 7 days starting from 1st of January; England, Wales, and Northern Ireland use Saturday – Friday

bStatistically significant increase in 2020 observed deaths, compared to expected

c Statistically significant decrease in 2020 observed deaths, compared to expected

d For Scotland, baseline comparison was the average of years 2015-2018, as 2019 data was not available

†COVID-19 was a cause of death (COD) or a contributing factor to death

††COVID-19 was a COD