**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