| Country    | Website                               | Date updated | Date accessed |
|------------|---------------------------------------|--------------|---------------|
| United States | https://data.cdc.gov/                 | Oct 10 2020  | Oct 14 2020   |
| Italy      | https://www.epicentro.iss.it/         | Oct 4 2020   | Oct 14 2020   |
| France     | https://dc-covid.site.ined.fr/        | Oct 8 2020   | Oct 14 2020   |
| Spain      | https://www.mscbs.gob.es/             | May 22 2020  | Oct 14 2020   |
| Germany    | https://www.rki.de/                   | Oct 13 2020  | Oct 14 2020   |
| Netherlands | https://www.rivm.nl/                  | Oct 13 2020  | Oct 14 2020   |

Supplementary Table 2. Raw data for COVID-19 deaths stratified by age and sex.

| Age group | Male | Female | Age group | Males | Females | Age group | Male | Female |
|-----------|------|--------|-----------|-------|---------|-----------|------|--------|
| 0-9       | 22   | 15     | 0-9       | 1     | 3       | 0-9       | 2    | 1      |
| 5-14      | 24   | 13     | 10-19     | 0     | 0       | 10-19     | 2    | 2      |
| 15-24     | 230  | 144    | 20-29     | 13    | 3       | 20-29     | 18   | 9      |
| 25-34     | 1047 | 541    | 30-39     | 46    | 24      | 30-39     | 61   | 42     |
| 35-44     | 2803 | 1316   | 40-49     | 229   | 89      | 40-49     | 178  | 94     |
| 45-54     | 7377 | 3458   | 50-59     | 959   | 302     | 50-59     | 667  | 324    |
| 55-64     | 16809| 9162   | 60-69     | 2742  | 864     | 60-69     | 1803 | 751    |
| 65-74     | 26924| 17002  | 70-79     | 6505  | 2892    | 70-79     | 3321 | 1506   |
| 75-84     | 29620| 24175  | 65-79     | 40-49 | 80        | 60-69     | 8047  | 6677   |
| 85+       | 24982| 37372  | 70-79     | 70-79 | 6505      | 70-79     | 3321 | 1506   |

| Age group | Male | Female | Age group | Males | Females | Age group | Male | Female |
|-----------|------|--------|-----------|-------|---------|-----------|------|--------|
| 0-9       | 0    | 0      | 0-9       | 0     | 1       | 0-9       | 0    | 0      |
| 10-19     | 3    | 2      | 10-19     | 1     | 0       | 10-19     | 1    | 0      |
| 20-29     | 15   | 9      | 20-29     | 8     | 3       | 20-29     | 3    | 0      |
| 30-39     | 42   | 21     | 30-39     | 18    | 8       | 30-39     | 8    | 4      |

| Age group | Male | Female | Age group | Males | Females | Age group | Male | Female |
|-----------|------|--------|-----------|-------|---------|-----------|------|--------|
| 40-49     | 140  | 77     | 40-49     | 60    | 24      | 40-49     | 22   | 16     |
| 50-59     | 467  | 192    | 50-59     | 265   | 96      | 50-59     | 109  | 50     |
| 60-69     | 1283 | 539    | 60-69     | 691   | 244     | 60-69     | 362  | 176    |
| 70-79     | 3326 | 1564   | 70-79     | 1467  | 708     | 70-79     | 1113 | 627    |
| 80-89     | 4655 | 3792   | 80-89     | 2226  | 2006    | 80-89     | 1581 | 1289   |
| 90+       | 1681 | 2723   | 90+       | 617   | 1185    | 90+       | 444  | 826    |