Supplementary Table 9: Relative difference between observed and forecast ASDR, SD, and CV

| Country | Year | Sex | Median relative difference in ASDR (95% CI) | Median relative difference in SD (95% CI) | Median relative difference in CV (95% CI) |
| --- | --- | --- | --- | --- | --- |
| CZE | 2015 | Men | 0.6 (-3.8, 5.1) | -1.5 (-7.4, 4.5) | -2.2 (-8.4, 3.8) |
| CZE | 2016 | Men | -2.7 (-6.9, 4.3) | 0.0 (-7.4, 6.8) | 2.2 (-5.0, 9.0) |
| CZE | 2017 | Men | 0.3 (-3.4, 4.4) | 6.2 (-1.3, 13.2) | 5.7 (-1.7, 12.6) |
| CZE | 2018 | Men | 0.6 (-5.7, 3.5) | -2.6 (-11.3, 5.9) | -2.6 (-11.0, 6.0) |
| CZE | 2019 | Men | -0.1 (-3.6, 4.4) | -3.8 (-14.0, 5.1) | -3.6 (-13.8, 5.1) |
| CZE | 2020 | Men | 14.5 (10.0, 20.7) | 24.5 (17.9, 30.4) | 11.6 (3.4, 18.3) |
| CZE | 2021 | Men | 22.8 (15.9, 30.2) | 39.1 (32.6, 45.3) | 20.7 (12.1, 28.4) |
| CZE | 2022 | Men | 7.8 (3.8, 13.6) | -5.4 (-16.6, 4.5) | -15.0 (-26.7, -4.4) |
| CZE | 2015 | Women | 1.6 (-1.0, 5.4) | -0.7 (-5.6, 5.1) | -2.6 (-7.3, 3.2) |
| CZE | 2016 | Women | -3.6 (-8.7, -1.4) | -10.0 (-17.2, -3.8) | -5.9 (-12.3, -0.3) |
| CZE | 2017 | Women | -0.1 (-3.2, 3.8) | 1.9 (-4.5, 6.7) | 1.6 (-4.6, 6.4) |
| CZE | 2018 | Women | 0.8 (-2.1, 6.2) | 8.5 (2.5, 14.8) | 7.4 (1.6, 13.5) |
| CZE | 2019 | Women | -0.4 (-3.2, 6.6) | -10.8 (-19.1, -2.6) | -10.5 (-18.9, -2.3) |
| CZE | 2020 | Women | 12.9 (7.5, 18.5) | 19.4 (14.1, 26.3) | 7.5 (1.9, 15.5) |
| CZE | 2021 | Women | 18.6 (12.2, 22.6) | 26.4 (20.5, 34.1) | 9.7 (2.6, 19.0) |
| CZE | 2022 | Women | 9.2 (3.5, 14.1) | 3.9 (-5.5, 11.5) | -6.3 (-15.8, 2.8) |
| EST | 2015 | Men | -4.1 (-8.2, 1.7) | -21.0 (-38.0, -2.6) | -17.0 (-32.4, 0.4) |
| EST | 2016 | Men | -1.1 (-8.3, 8.5) | 18.7 (5.7, 31.4) | 18.6 (6.3, 30.8) |
| EST | 2017 | Men | 0.4 (-12.3, 4.0) | -58.7 (-85.6, -34.2) | -56.2 (-81.8, -32.3) |
| EST | 2018 | Men | 2.2 (-2.7, 5.3) | -27.8 (-49.4, -3.9) | -30.3 (-51.5, -6.6) |
| EST | 2019 | Men | -0.2 (-4.1, 3.6) | -12.9 (-33.7, 7.3) | -12.7 (-33.1, 7.6) |
| EST | 2020 | Men | 3.1 (-2.2, 7.6) | -28.2 (-53.3, -2.4) | -32.3 (-57.9, -5.4) |
| EST | 2021 | Men | 20.1 (15.3, 25.0) | 13.1 (-5.6, 31.0) | -8.2 (-30.5, 13.5) |
| EST | 2022 | Men | 15.3 (10.5, 21.3) | -4.1 (-30.2, 18.0) | -23.4 (-52.3, 3.1) |
| EST | 2015 | Women | -0.6 (-3.1, 4.0) | 10.6 (-1.3, 24.3) | 10.7 (-0.9, 24.0) |
| EST | 2016 | Women | 0.7 (-3.6, 4.4) | 7.0 (-8.2, 21.7) | 6.4 (-8.3, 20.3) |
| EST | 2017 | Women | -0.4 (-4.6, 3.5) | 0.4 (-20.1, 16.2) | 0.9 (-19.4, 16.7) |
| EST | 2018 | Women | 3.0 (-1.1, 7.4) | 2.8 (-14.6, 20.6) | 0.1 (-18.3, 18.6) |
| EST | 2019 | Women | 1.0 (-3.0, 6.4) | -5.0 (-26.3, 15.5) | -6.6 (-28.0, 13.5) |
| EST | 2020 | Women | 3.4 (-1.5, 8.3) | 11.1 (-9.9, 28.6) | 7.4 (-13.6, 25.5) |
| EST | 2021 | Women | 19.4 (13.5, 25.6) | 33.7 (17.0, 48.1) | 17.6 (-2.5, 35.1) |
| EST | 2022 | Women | 14.5 (8.7, 18.4) | 16.0 (-6.1, 36.9) | 1.6 (-23.7, 25.2) |
| EST - LAU | 2015 | Men | -5.5 (-18.4, 2.9) | 7.7 (-6.1, 17.6) | 13.6 (2.2, 22.3) |
| EST - LAU | 2016 | Men | -2.8 (-24.9, 15.0) | 36.5 (26.9, 42.5) | 38.8 (29.9, 44.6) |
| EST - LAU | 2017 | Men | -1.8 (-24.2, 9.0) | -27.0 (-44.1, -14.7) | -20.8 (-35.9, -8.8) |
| EST - LAU | 2018 | Men | 0.4 (-8.4, 8.9) | -5.5 (-22.4, 7.8) | -3.6 (-19.3, 9.0) |
| EST - LAU | 2019 | Men | -2.7 (-28.1, 9.8) | 5.1 (-7.4, 15.9) | 8.7 (-3.3, 19.0) |
| EST - LAU | 2020 | Men | 1.5 (-18.9, 13.8) | -10.7 (-28.5, 4.4) | -9.6 (-26.4, 4.7) |
| EST - LAU | 2021 | Men | 16.7 (-4.5, 26.1) | 23.6 (12.0, 33.6) | 8.3 (-3.6, 19.9) |
| EST - LAU | 2022 | Men | 13.7 (-3.1, 21.2) | 6.2 (-7.5, 18.8) | -6.4 (-20.3, 7.5) |
| EST - LAU | 2015 | Women | -2.3 (-34.9, 8.6) | -9.7 (-34.1, 8.3) | -5.2 (-27.9, 11.9) |
| EST - LAU | 2016 | Women | -1.1 (-33.0, 19.2) | -20.8 (-49.1, 2.0) | -16.5 (-44.0, 5.4) |
| EST - LAU | 2017 | Women | -4.1 (-29.2, 8.0) | -30.8 (-65.6, -7.0) | -24.9 (-56.8, -3.4) |
| EST - LAU | 2018 | Women | 0.1 (-23.4, 10.1) | -33.5 (-68.5, -9.1) | -30.9 (-65.1, -8.3) |
| EST - LAU | 2019 | Women | -1.0 (-21.9, 9.0) | -48.1 (-93.5, -18.4) | -43.7 (-85.1, -15.8) |
| EST - LAU | 2020 | Women | -1.3 (-53.0, 9.3) | -33.1 (-71.4, -6.4) | -30.8 (-67.9, -5.4) |
| EST - LAU | 2021 | Women | 18.1 (-12.7, 28.0) | -0.9 (-31.4, 20.9) | -18.2 (-54.1, 5.2) |
| EST - LAU | 2022 | Women | 11.3 (-26.6, 19.1) | -35.6 (-75.0, -3.4) | -49.1 (-91.1, -15.7) |
| POL | 2015 | Men | -0.2 (-6.3, 4.7) | 3.8 (1.9, 6.0) | 3.8 (1.9, 6.0) |
| POL | 2016 | Men | -2.4 (-7.4, 2.5) | 1.6 (-0.6, 4.1) | 3.9 (1.6, 6.3) |
| POL | 2017 | Men | 0.4 (-5.0, 4.9) | 8.1 (5.4, 10.8) | 7.8 (5.2, 10.4) |
| POL | 2018 | Men | 2.7 (-2.2, 7.1) | 8.2 (6.1, 11.2) | 5.6 (3.5, 8.6) |
| POL | 2019 | Men | 0.8 (-3.1, 5.7) | -1.8 (-5.6, 1.7) | -2.7 (-6.6, 0.7) |
| POL | 2020 | Men | 18.8 (11.7, 25.4) | 9.1 (5.5, 13.1) | -12.3 (-16.3, -7.2) |
| POL | 2021 | Men | 25.1 (18.1, 31.9) | 19.5 (15.9, 22.9) | -7.6 (-12.4, -3.2) |
| POL | 2022 | Men | 12.3 (5.2, 19.6) | -6.7 (-11.6, -1.0) | -21.8 (-27.1, -15.3) |
| POL | 2015 | Women | 0.1 (-4.8, 5.0) | 5.4 (2.9, 7.6) | 5.2 (2.8, 7.3) |
| POL | 2016 | Women | -3.7 (-8.1, 1.5) | -5.8 (-9.2, -2.7) | -2.1 (-5.4, 1.0) |
| POL | 2017 | Women | 0.2 (-4.4, 4.2) | -2.8 (-5.6, -0.0) | -2.9 (-5.7, -0.1) |
| POL | 2018 | Women | 2.4 (-1.6, 7.6) | 12.0 (8.8, 14.7) | 9.5 (6.4, 12.3) |
| POL | 2019 | Women | 0.8 (-3.0, 5.3) | 5.3 (1.5, 8.7) | 4.5 (0.6, 7.8) |
| POL | 2020 | Women | 14.8 (8.0, 21.4) | 7.9 (3.1, 11.4) | -8.4 (-13.5, -4.3) |
| POL | 2021 | Women | 23.1 (15.8, 32.4) | 16.0 (10.6, 19.3) | -10.0 (-16.9, -5.4) |
| POL | 2022 | Women | 12.2 (4.3, 19.8) | 8.7 (3.1, 13.2) | -3.7 (-10.3, 1.2) |
| ROU | 2015 | Men | 1.1 (-4.3, 5.6) | -8.4 (-12.4, -3.7) | -9.4 (-13.6, -4.7) |
| ROU | 2016 | Men | -1.0 (-5.3, 4.4) | -4.6 (-8.7, -0.6) | -3.5 (-7.9, 0.2) |
| ROU | 2017 | Men | 0.5 (-4.6, 5.3) | 0.0 (-5.2, 4.1) | -0.4 (-5.8, 3.6) |
| ROU | 2018 | Men | 0.9 (-4.2, 8.1) | 6.9 (2.9, 10.6) | 5.8 (1.6, 9.5) |
| ROU | 2019 | Men | 0.0 (-4.5, 4.9) | 1.5 (-2.9, 6.5) | 1.2 (-3.1, 6.8) |
| ROU | 2020 | Men | 15.7 (7.3, 23.9) | 2.5 (-1.9, 7.0) | -15.9 (-21.2, -10.2) |
| ROU | 2021 | Men | 23.9 (15.3, 29.8) | 21.8 (17.7, 25.3) | -3.0 (-8.4, 2.3) |
| ROU | 2022 | Men | 7.7 (-4.1, 15.6) | 8.6 (3.3, 13.3) | 0.7 (-4.5, 6.2) |
| ROU | 2015 | Women | 1.4 (-5.9, 5.8) | 2.6 (-1.5, 6.0) | 1.3 (-2.6, 4.9) |
| ROU | 2016 | Women | -1.8 (-6.1, 3.5) | 1.7 (-2.6, 5.8) | 3.5 (-0.9, 7.4) |
| ROU | 2017 | Women | 0.4 (-5.0, 5.7) | 0.2 (-4.1, 4.3) | -0.1 (-4.3, 4.1) |
| ROU | 2018 | Women | 0.7 (-5.6, 5.8) | 4.2 (-0.3, 9.1) | 3.6 (-0.6, 8.6) |
| ROU | 2019 | Women | -0.7 (-6.0, 5.3) | -0.5 (-7.0, 5.1) | 0.3 (-6.4, 5.5) |
| ROU | 2020 | Women | 12.1 (3.8, 16.8) | 10.0 (5.9, 14.9) | -2.1 (-6.2, 3.5) |
| ROU | 2021 | Women | 23.6 (17.3, 30.6) | 18.9 (13.2, 23.5) | -6.4 (-14.1, -0.2) |
| ROU | 2022 | Women | 6.6 (-4.8, 12.8) | 4.4 (-1.9, 10.3) | -1.6 (-8.9, 4.0) |