

**Supplemental Table S1 (Supplement to Table 1) Participant characteristics and dropout analysis.**

Shown are, as indicated, median and IQR or percentage and number of individuals for the given characteristic for analyzable participants and drop-outs at BL, FU1, and FU2. P-values test for difference in the characteristics between analyzable participants and drop-outs.

| Variable                             | BL                                      | FU1<br>participant                      | FU1<br>dropout                        | FU1<br>p-value | FU2<br>participant                      | FU2<br>dropout                        | FU2<br>p-value |
|--------------------------------------|---|---|---------------------------------------|----------------|---|---------------------------------------|----------------|
| <b>Age</b>                           | 52.0                                    | 53.0                                    | 42.0                                  | <0.001         | 53.0                                    | 44.0                                  | <0.001         |
| median (min,<br>max, IQR)            | (14.0, 102.0,<br>35.0-64.0)<br>[n=4181] | (14.0, 102.0,<br>37.0-64.0)<br>[n=3513] | (14.0, 93.0,<br>29.0-58.0)<br>[n=668] |                | (14.0, 102.0,<br>37.0-64.0)<br>[n=3374] | (14.0, 91.0,<br>30.0-59.0)<br>[n=807] |                |
| <b>Age 14-20</b>                     | 5.4 (225)<br>% (n)<br>[n=4181]          | 5.0 (176)<br>[n=3513]                   | 7.3 (49)<br>[n=668]                   | 0.019          | 5.2 (177)<br>[n=3374]                   | 5.9 (48)<br>[n=807]                   | 0.48           |
| <b>Age 20-49</b>                     | 40.8 (1707)<br>% (n)<br>[n=4181]        | 38.3 (1345)<br>[n=3513]                 | 54.2 (362)<br>[n=668]                 | <0.001         | 38.1 (1284)<br>[n=3374]                 | 52.4 (423)<br>[n=807]                 | <0.001         |
| <b>Age 50-69</b>                     | 38.8 (1624)<br>% (n)<br>[n=4181]        | 41.2 (1449)<br>[n=3513]                 | 26.2 (175)<br>[n=668]                 | <0.001         | 41.2 (1389)<br>[n=3374]                 | 29.1 (235)<br>[n=807]                 | <0.001         |
| <b>Age 70+</b>                       | 14.9 (625)<br>% (n)<br>[n=4181]         | 15.5 (543)<br>[n=3513]                  | 12.3 (82)<br>[n=668]                  | 0.04           | 15.5 (524)<br>[n=3374]                  | 12.5 (101)<br>[n=807]                 | 0.035          |
| <b>Female</b>                        | 51.6 (2158)<br>% (n)<br>[n=4181]        | 53.0 (1861)<br>[n=3513]                 | 44.5 (297)<br>[n=668]                 | <0.001         | 53.7 (1813)<br>[n=3374]                 | 42.8 (345)<br>[n=807]                 | <0.001         |
| <b>BMI</b>                           | 26.6                                    | 26.6                                    | 26.8                                  | 0.396          | 26.6                                    | 26.3                                  | 0.556          |
| median (min,<br>max, IQR)            | (13.9, 62.1,<br>23.7-30.4)<br>[n=4134]  | (13.9, 62.1,<br>23.7-30.3)<br>[n=3474]  | (16.0, 56.5,<br>23.9-30.4)<br>[n=660] |                | (13.9, 62.1,<br>23.7-30.4)<br>[n=3339]  | (16.0, 56.5,<br>23.7-30.1)<br>[n=795] |                |
| <b>Disease</b>                       |   |   |                                       |                |   |                                       |                |
| <b>autoimmune</b>                    | 7.1 (289)<br>% (n)<br>[n=4081]          | 7.3 (250)<br>[n=3435]                   | 6.0 (39)<br>[n=646]                   | 0.296          | 7.4 (243)<br>[n=3300]                   | 5.9 (46)<br>[n=781]                   | 0.172          |
| <b>cancer</b>                        | 4.9 (202)<br>% (n)<br>[n=4081]          | 5.2 (178)<br>[n=3435]                   | 3.7 (24)<br>[n=646]                   | 0.139          | 5.0 (164)<br>[n=3300]                   | 4.9 (38)<br>[n=781]                   | 0.977          |
| <b>diabetes</b>                      | 7.6 (312)<br>% (n)<br>[n=4081]          | 7.5 (259)<br>[n=3435]                   | 8.2 (53)<br>[n=646]                   | 0.615          | 7.4 (245)<br>[n=3300]                   | 8.6 (67)<br>[n=781]                   | 0.309          |
| <b>cardiovascular</b>                | 9.9 (402)<br>% (n)<br>[n=4081]          | 9.6 (331)<br>[n=3435]                   | 11.0 (71)<br>[n=646]                  | 0.323          | 9.5 (314)<br>[n=3300]                   | 11.3 (88)<br>[n=781]                  | 0.158          |
| <b>none</b>                          | 75.8 (3093)<br>% (n)<br>[n=4081]        | 75.6 (2596)<br>[n=3435]                 | 76.9 (497)<br>[n=646]                 | 0.49           | 76.0 (2507)<br>[n=3300]                 | 75.0 (586)<br>[n=781]                 | 0.614          |
| <b>Education</b>                     |   |   |                                       |                |   |                                       |                |
| <b>years</b>                         | 11.0                                    | 11.0                                    | 11.0                                  | 0.406          | 11.0                                    | 11.0                                  | 0.365          |
| median (min,<br>max, IQR)            | (6.0, 22.0,<br>10.0-14.0)<br>[n=4085]   | (6.0, 22.0,<br>10.0-13.0)<br>[n=3433]   | (6.0, 21.0,<br>10.0-14.0)<br>[n=652]  |                | (6.0, 22.0,<br>10.0-14.0)<br>[n=3301]   | (6.0, 21.0,<br>10.0-14.0)<br>[n=784]  |                |
| <b>high</b>                          | 30.0 (1225)<br>% (n)<br>[n=4085]        | 29.5 (1013)<br>[n=3433]                 | 32.5 (212)<br>[n=652]                 | 0.136          | 29.8 (985)<br>[n=3301]                  | 30.6 (240)<br>[n=784]                 | 0.703          |
| <b>antibody status</b>               |   |   |                                       |                |   |                                       |                |
| <b>N-antibody<br/>positive at BL</b> | 8.9 (374)<br>% (n)<br>[n=4181]          | 10.0 (351)<br>[n=3513]                  | 3.4 (23)<br>[n=668]                   | <0.001         | 10.3 (349)<br>[n=3374]                  | 3.1 (25)<br>[n=807]                   | <0.001         |

**Supplemental Table S2 (Supplement to Table 2). Crude seroprevalence among analyzed participants and changes over time.** The number of total and newly seropositive and newly seronegative participants for N or S protein specific antibodies at baseline (June 2020), at FU1 (November 2020), and at FU2 (April 2021) also shown is the percentage of the according participants group.

| Time of analysis<br>participant age | Analyzable participants # | Participants# previously pos/neg | Newly N antibody positive % (#)1 | Newly N antibody negative % (#)1 | Seropositive as sum | Ever seropositive |
|-------------------------------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------|-------------------|
| <b>Baseline</b>                     | <b>4181</b>               | <b>0/4181</b>                    | <b>8.95 (374)</b>                | <b>(n/a)</b>                     |                     |                   |
| 14 to 19                            | 225                       | 0/225                            | 10.67 (24)                       | (n/a)                            |                     |                   |
| 20 to 29                            | 523                       | 0/523                            | 8.99 (47)                        |                                  |                     |                   |
| 30 to 39                            | 583                       | 0/583                            | 6.69 (39)                        |                                  |                     |                   |
| 40 to 49                            | 601                       | 0/601                            | 9.98 (60)                        |                                  |                     |                   |
| 50 to 59                            | 875                       | 0/875                            | 10.06 (88)                       |                                  |                     |                   |
| 60 to 69                            | 749                       | 0/749                            | 8.41 (63)                        |                                  |                     |                   |
| 70 to 79                            | 420                       | 0/420                            | 7.62 (32)                        |                                  |                     |                   |
| over 80                             | 205                       | 0/205                            | 10.24 (21)                       |                                  |                     |                   |
| <b>FU1<sup>1</sup></b>              | <b>3513</b>               | <b>351/3162</b>                  | <b>0.66 (21)</b>                 | <b>3.70 (13)</b>                 | <b>9.22</b>         | <b>9.55</b>       |
| 14 to 19                            | 176                       | 24/152                           | 1.32 (2)                         | 4.17 (1)                         | 11.40               | 11.84             |
| 20 to 29                            | 400                       | 42/358                           | 0.84 (3)                         | 2.38 (1)                         | 9.54                | 9.75              |
| 30 to 39                            | 447                       | 37/410                           | 0.00 (0)                         | 8.11 (3)                         | 6.15                | 6.69              |
| 40 to 49                            | 498                       | 56/442                           | 1.13 (5)                         | 5.36 (3)                         | 10.47               | 11                |
| 50 to 59                            | 766                       | 81/685                           | 0.73 (5)                         | 1.23 (1)                         | 10.59               | 10.71             |
| 60 to 69                            | 683                       | 61/622                           | 0.32 (2)                         | 3.28 (2)                         | 8.43                | 8.71              |
| 70 to 79                            | 373                       | 32/341                           | 0.59 (2)                         | 6.25 (2)                         | 7.68                | 8.16              |
| over 80                             | 170                       | 18/152                           | 1.32 (2)                         | 0.00 (0)                         | 11.42               | 11.42             |
| <b>FU2<sup>2</sup></b>              | <b>3177</b>               | <b>349/2828</b>                  | <b>5.80 (164)</b>                | <b>4.30 (15)</b>                 | <b>14.09</b>        | <b>14.80</b>      |
| 14 to 19                            | 164                       | 24/140                           | 13.57 (19)                       | 4.17 (1)                         | 22.95               | 23.81             |
| 20 to 29                            | 340                       | 41/299                           | 8.36 (25)                        | 4.88 (2)                         | 16.63               | 17.30             |
| 30 to 39                            | 390                       | 32/358                           | 6.15 (22)                        | 12.5 (4)                         | 11.15               | 12.42             |
| 40 to 49                            | 454                       | 57/397                           | 5.79 (23)                        | 8.77 (5)                         | 14.74               | 16.16             |
| 50 to 59                            | 700                       | 83/617                           | 7.46 (46)                        | 2.41 (2)                         | 17.00               | 17.37             |
| 60 to 69                            | 629                       | 60/569                           | 3.51 (20)                        | 1.67 (1)                         | 11.51               | 11.91             |
| 70 to 79                            | 348                       | 32/316                           | 2.53 (8)                         | 0.00 (0)                         | 10.02               | 10.49             |
| over 80                             | 142                       | 20/132                           | 0.76 (1)                         | 0.00 (0)                         | 12.1                | 12.1              |

**Suppl Table S3 (supplement to figure 2). Standardized (N-based) seroprevalence, surveillance detection ratio (SDR), and infection fatality ratios (IFR) overall and by age groups for Baseline (BL), Follow up 1 (BL to FU1) and Follow up 2 (FU1 to FU2).** Shown are the population at risk in the general Tirschenreuth population and the analyzed cohort as numbers and percentage of the overall group. Further shown are standardized and corrected seroprevalence (based on N-antibodies) (%), the surveillance detection ratio (SDR) and infection fatality ratio (%) in the overall county population, the indicated sexes and the indicated age groups. Further given are the 95% Wilson confidence intervals (95%-CI) or 95% Bayesian credibility intervals, respectively. The CI is marked as [reg.] for seroprevalence and SDR, when case prevalence based on registered infections exceeded standardized seroprevalence. In those cases SDR was set to 1.0 and registered case numbers were used for further calculations.

| Sub group          | Population at risk   |                   |                   | Population at risk |                  |                  | standardized new seropositive %; [95%-CI] |                        |                          | SDR ratio; [95% CI]      |                           |                        | IFR %; [95%-CI]              |                               |                             |
|--------------------|----------------------|-------------------|-------------------|--------------------|------------------|------------------|---|------------------------|--------------------------|--------------------------|---------------------------|------------------------|------------------------------|-------------------------------|-----------------------------|
|                    | Tirschenreuth #; [%] |                   |                   | Cohort #; [%]      |                  |                  |   |                        |                          |                          |                           |                        |                              |                               |                             |
|                    | BL                   | FU1               | FU2               | BL                 | FU1              | FU2              | BL  | FU1                    | FU2                      | BL                       | FU1                       | FU2                    | BL                           | FU1                           | FU2                         |
| <b>Overall</b>     | 64643;<br>[100]      | 58709;<br>[100]   | 58288;<br>[100]   | 4181;<br>[100]     | 3162;<br>[100]   | 2828;<br>[100]   | 9.18;<br>[8.34 - 10.09]                   | 0.87;<br>[reg.]        | 6.06;<br>[5.24 - 7.00]   | 5.35;<br>[4.78 - 5.99]   | 1.00;<br>[reg.]           | 1.14; [1.00 -<br>1.32] | 2.32;<br>[1.92 -<br>2.82]    | 1.95;<br>[0.96 -<br>3.97]     | 3.28;<br>[2.60 -<br>4.14]   |
| <b>m</b>           | 32239;<br>[49.87]    | 29318;<br>[49.94] | 29105;<br>[49.93] | 2023;<br>[48.39]   | 1488;<br>[47.06] | 1304;<br>[46.11] | 9.06;<br>[7.89 - 10.39]                   | 0.88;<br>[reg.]        | 5.94;<br>[4.78 - 7.35]   | 6.29;<br>[5.32 - 7.41]   | 1.00;<br>[reg.]           | 1.17; [1.00 -<br>1.46] | 2.64; [2.04 -<br>- 3.43]     | 1.95; [0.72 -<br>- 5.31]      | 3.18;<br>[2.27 -<br>4.47]   |
| <b>w</b>           | 32404;<br>[50.13]    | 29392;<br>[50.06] | 29183;<br>[50.07] | 2158;<br>[51.61]   | 1674;<br>[52.94] | 1524;<br>[53.89] | 9.30;<br>[8.14 - 10.59]                   | 0.87;<br>[reg.]        | 6.19;<br>[5.09 - 7.51]   | 4.68;<br>[4.02 - 5.44]   | 1.00;<br>[reg.]           | 1.11; [1.00 -<br>1.36] | 2.02; [1.53 -<br>- 2.68]     | 1.95; [0.74 -<br>- 5.26]      | 3.38; [2.46 -<br>- 4.65]    |
| <b>age group</b>   |                      |                   |                   |                    |                  |                  |   |                        |                          |                          |                           |                        |                              |                               |                             |
| <b>14 to 19</b>    | 3994;<br>[6.18]      | 3570;<br>[6.08]   | 3522;<br>[6.04]   | 225;<br>[5.38]     | 152;<br>[4.81]   | 140;<br>[4.95]   | 10.62;<br>[7.24 - 15.33]                  | 1.33;<br>[0.37 - 4.69] | 13.64;<br>[8.92 - 20.30] | 11.51;<br>[6.97 - 18.75] | 1.44;<br>[1.00 -<br>5.31] | 2.48; [1.59 -<br>3.77] | 0.00; [0.00 -<br>- 0.90]     | 0.00; [0.00 -<br>- 10.36]     | 0.00; [0.00 -<br>- 0.80]    |
| <b>20 to 29</b>    | 8146;<br>[12.60]     | 7416;<br>[12.63]  | 7354;<br>[12.62]  | 523;<br>[12.51]    | 358;<br>[11.32]  | 299;<br>[10.57]  | 8.96;<br>[6.80 - 11.72]                   | 1.28;<br>[reg.]        | 8.39;<br>[5.76 - 12.09]  | 7.39;<br>[5.27 - 10.30]  | 1.00;<br>[reg.]           | 1.44; [1.00 -<br>2.10] | 0.14; [0.03 -<br>- 0.78]     | 0.00; [0.00 -<br>- 4.49]      | 0.00; [0.00 -<br>- 0.62]    |
| <b>30 to 39</b>    | 8430;<br>[13.04]     | 7869;<br>[13.40]  | 7869;<br>[13.50]  | 583;<br>[13.94]    | 410;<br>[12.97]  | 358;<br>[12.66]  | 6.65;<br>[4.90 - 8.98]                    | 0.80;<br>[reg.]        | 6.16;<br>[4.11 - 9.15]   | 5.58;<br>[3.90 - 7.97]   | 1.00;<br>[reg.]           | 1.14; [1.00 -<br>1.70] | 0.00; [0.00 -<br>- 0.67]     | 0.00; [0.00 -<br>- 7.17]      | 0.00; [0.00 -<br>- 0.79]    |
| <b>40 to 49</b>    | 8782;<br>[13.59]     | 7909;<br>[13.47]  | 7819;<br>[13.41]  | 601;<br>[14.37]    | 442;<br>[13.98]  | 397;<br>[14.04]  | 9.94;<br>[7.80 - 12.59]                   | 1.14;<br>[0.49 - 2.63] | 6.65;<br>[reg.]          | 5.62;<br>[4.21 - 7.45]   | 1.29;<br>[1.00 -<br>3.06] | 1.00; [reg.]           | 0.00; [0.00 -<br>- 0.43]     | 0.00; [0.00 -<br>- 4.71]      | 0.19; [0.04 -<br>- 1.12]    |
| <b>50 to 59</b>    | 12813;<br>[19.82]    | 11524;<br>[19.63] | 11440;<br>[19.63] | 875;<br>[20.93]    | 685;<br>[21.66]  | 617;<br>[21.82]  | 10.06;<br>[8.24 - 12.23]                  | 0.89;<br>[reg.]        | 7.53;<br>[5.70 - 9.88]   | 6.02;<br>[4.74 - 7.61]   | 1.00;<br>[reg.]           | 1.36; [1.02 -<br>1.80] | 0.47; [0.21 -<br>- 1.04]     | 0.00; [0.00 -<br>- 4.08]      | 0.58; [0.25 -<br>- 1.42]    |
| <b>60 to 69</b>    | 10412;<br>[16.11]    | 9531;<br>[16.23]  | 9501;<br>[16.3]   | 749;<br>[17.91]    | 622;<br>[19.67]  | 569;<br>[20.12]  | 8.46;<br>[6.67 - 10.67]                   | 0.69;<br>[reg.]        | 3.86;<br>[4.73 - 8.39]   | 6.30;<br>[4.73 - 8.39]   | 1.00;<br>[reg.]           | 1.00; [reg.]           | 1.03; [0.53 -<br>- 2.04]     | 1.52; [0.28 -<br>- 10.61]     | 3.54; [1.81 -<br>- 6.95]    |
| <b>70 to 79</b>    | 6772;<br>[10.48]     | 6224;<br>[10.60]  | 6186;<br>[10.61]  | 420;<br>[10.05]    | 341;<br>[10.78]  | 316;<br>[11.17]  | 8.10;<br>[5.85 - 11.10]                   | 0.60;<br>[0.17 - 2.13] | 3.67;<br>[reg.]          | 3.78;<br>[2.62 - 5.39]   | 1.28;<br>[1.00 -<br>4.79] | 1.00; [reg.]           | 6.38; [4.04 -<br>- 10.16]    | 2.69; [0.40 -<br>- 22.63]     | 10.57; [5.37 -<br>- 20.96]  |
| <b>at least 80</b> | 5294;<br>[8.19]      | 4667;<br>[7.95]   | 4597;<br>[7.89]   | 205;<br>[4.90]     | 152;<br>[4.81]   | 132;<br>[4.67]   | 11.84;<br>[8.11 - 16.99]                  | 1.50;<br>[0.44 - 4.95] | 6.57;<br>[reg.]          | 2.84;<br>[1.90 - 4.20]   | 1.27;<br>[1.00 -<br>4.29] | 1.00; [reg.]           | 14.04;<br>[9.23 -<br>- 4.29] | 11.43;<br>[2.90 -<br>- 21.63] | 24.17; [12.55 -<br>- 47.61] |

**Suppl Table S4 (supplement to figure 2, part 2).**

**Numbers of registered SARS-CoV-2 infections and related death case in the county Tirschenreuths.**

Given are the general population of Tirschenreuth as of the census 2019 (14 years and older) as well as registered deaths and SARS-CoV-2 infections for BL, the period between BL and FU1 (FU1) and the period between FU1 and FU2 (FU2). Numbers are shown for the overall county population as well as the indicated age groups, sexes and municipalities.

|                          | Tirschenreuth<br>population # | Registered deaths # |     |     | Registered infections # |     |      |
|--------------------------|-------------------------------|---------------------|-----|-----|-------------------------|-----|------|
|                          |                               | BL                  | FU1 | FU2 | BL                      | FU1 | FU2  |
| <b>overall</b>           | 64643                         | 138                 | 10  | 116 | 1109                    | 513 | 3100 |
| <b>age group</b>         |                               |                     |     |     |                         |     |      |
| 14 to 19                 | 3994                          | 0                   | 0   | 0   | 37                      | 33  | 194  |
| 20 to 29                 | 8146                          | 1                   | 0   | 0   | 99                      | 95  | 428  |
| 30 to 39                 | 8430                          | 0                   | 0   | 0   | 101                     | 63  | 427  |
| 40 to 49                 | 8782                          | 0                   | 0   | 1   | 156                     | 70  | 520  |
| 50 to 59                 | 12813                         | 6                   | 0   | 5   | 214                     | 102 | 635  |
| 60 to 69                 | 10412                         | 9                   | 1   | 13  | 139                     | 66  | 367  |
| 70 to 79                 | 6772                          | 35                  | 1   | 24  | 145                     | 29  | 227  |
| over 80                  | 5294                          | 87                  | 8   | 73  | 218                     | 55  | 302  |
| <b>sex</b>               |                               |                     |     |     |                         |     |      |
| m                        | 32239                         | 77                  | 5   | 55  | 464                     | 257 | 1473 |
| w                        | 32404                         | 61                  | 5   | 61  | 645                     | 256 | 1627 |
| <b>municipality</b>      |                               |                     |     |     |                         |     |      |
| Bad Neualbenreuth        | 1186                          | 0                   | 0   | 5   | 10                      | 4   | 55   |
| Brand                    | 1025                          | 0                   | 0   | 1   | 5                       | 2   | 65   |
| Bärnau                   | 2795                          | 2                   | 0   | 4   | 45                      | 33  | 117  |
| Ebnath                   | 1710                          | 0                   | 0   | 0   | 3                       | 7   | 52   |
| Erbendorf                | 4476                          | 21                  | 0   | 6   | 93                      | 22  | 187  |
| Falkenberg               | 822                           | 0                   | 0   | 2   | 11                      | 3   | 38   |
| Friedenfels              | 1103                          | 1                   | 1   | 1   | 19                      | 2   | 53   |
| Fuchsmühl                | 1387                          | 8                   | 0   | 0   | 54                      | 5   | 59   |
| Immenreuth               | 1600                          | 0                   | 0   | 2   | 1                       | 17  | 132  |
| Kastl                    | 1208                          | 1                   | 0   | 0   | 5                       | 10  | 50   |
| Kemnath                  | 4773                          | 7                   | 0   | 4   | 30                      | 11  | 307  |
| Konnersreuth             | 1501                          | 9                   | 0   | 3   | 60                      | 14  | 58   |
| Krummennaab              | 1299                          | 2                   | 0   | 0   | 34                      | 8   | 36   |
| Kulmain                  | 1928                          | 0                   | 0   | 2   | 4                       | 19  | 93   |
| Leonberg                 | 870                           | 2                   | 0   | 2   | 12                      | 6   | 37   |
| Mitterteich              | 5899                          | 21                  | 0   | 17  | 172                     | 60  | 191  |
| Mähring                  | 1560                          | 4                   | 0   | 4   | 31                      | 17  | 64   |
| Neusorg                  | 1810                          | 2                   | 1   | 4   | 17                      | 16  | 77   |
| Pechbrunn                | 1173                          | 0                   | 0   | 1   | 20                      | 8   | 30   |
| Plößberg                 | 2835                          | 15                  | 0   | 1   | 85                      | 21  | 151  |
| Pullenreuth              | 1500                          | 1                   | 0   | 2   | 7                       | 7   | 78   |
| Reuth b.Erbendorf        | 994                           | 0                   | 1   | 2   | 16                      | 12  | 50   |
| Tirschenreuth            | 7807                          | 15                  | 5   | 30  | 145                     | 80  | 516  |
| Waldershof               | 3869                          | 12                  | 2   | 5   | 51                      | 42  | 176  |
| Waldsassen               | 5862                          | 8                   | 0   | 9   | 103                     | 65  | 293  |
| Wiesau                   | 3651                          | 7                   | 0   | 9   | 75                      | 22  | 135  |
| <b>Senior care homes</b> |                               |                     |     |     |                         |     |      |
| without senior care home | 20773                         | 13                  | 2   | 28  | 223                     | 155 | 950  |
| with senior care home    | 43870                         | 125                 | 8   | 88  | 885                     | 358 | 2150 |

**Supplemental Table S5 (Supplement to Supplemental Figure 2)**

**Standardized % “ever seropositives” for the indicated intervals and subgroups**

|                          | standardized ever seropositive %; [CI] |                      |                      |
|--------------------------|--|----------------------|----------------------|
|                          | until BL                               | until FU1            | until FU2            |
| <b>Overall</b>           | 9.18; [8.34-10.09]                     | 9.97; [9.03-11.01]   | 15.43; [14.25-16.69] |
| <b>m</b>                 | 9.06; [7.89-10.39]                     | 9.86; [8.51-11.39]   | 15.21; [13.51-17.08] |
| <b>w</b>                 | 9.30; [8.14-10.59]                     | 10.09; [8.80-11.54]  | 15.65; [14.05-17.40] |
| <b>Age group</b>         |  |                      |                      |
| 14 to 19                 | 10.62; [7.24-15.33]                    | 11.81; [7.84-17.41]  | 23.84; [18.16-30.63] |
| 20 to 29                 | 8.96; [6.80-11.72]                     | 10.13; [7.54-13.47]  | 17.67; [14.14-21.86] |
| 30 to 39                 | 6.65; [4.90-8.98]                      | 7.40; [5.32-10.21]   | 13.11; [10.22-16.67] |
| 40 to 49                 | 9.94; [7.80-12.59]                     | 10.97; [8.52-14.02]  | 16.89; [13.83-20.47] |
| 50 to 59                 | 10.06; [8.24-12.23]                    | 10.86; [8.85-13.26]  | 17.57; [14.99-20.48] |
| 60 to 69                 | 8.46; [6.67-10.67]                     | 9.09; [7.16-11.48]   | 12.60; [10.27-15.37] |
| 70 to 79                 | 8.10; [5.85-11.10]                     | 8.65; [6.20-11.94]   | 12.00; [9.04-15.76]  |
| at least 80              | 11.84; [8.11-16.99]                    | 13.17; [8.89-19.07]  | 18.87; [13.62-25.55] |
| <b>Municipality</b>      |  |                      |                      |
| Bad Neualbenreuth        | 7.65; [3.77-14.88]                     | 7.98; [3.73-16.29]   | 14.07; [8.09-23.34]  |
| Brand                    | 5.16; [1.78-14.02]                     | 5.35; [1.73-15.34]   | 14.00; [6.95-26.19]  |
| Bärnau                   | 9.51; [6.06-14.63]                     | 12.25; [8.02-18.28]  | 16.44; [11.35-23.22] |
| Ebnath                   | 6.25; [2.47-14.91]                     | 8.20; [3.38-18.58]   | 11.24; [5.24-22.48]  |
| Erbendorf                | 8.22; [5.47-12.19]                     | 8.72; [5.63-13.26]   | 13.08; [9.12-18.41]  |
| Falkenberg               | 2.73; [0.76-9.37]                      | 4.40; [1.46-12.50]   | 11.71; [5.83-22.12]  |
| Friedenfels              | 5.99; [2.62-13.13]                     | 6.17; [2.52-14.32]   | 10.97; [5.56-20.50]  |
| Fuchsmühl                | 14.61; [8.69-23.52]                    | 14.97; [8.52-24.96]  | 19.85; [12.01-31.01] |
| Immenreuth               | 1.00; [0.18-5.45]                      | 2.06; [0.52-7.85]    | 10.22; [5.27-18.91]  |
| Kastl                    | 2.52; [0.71-8.52]                      | 3.34; [1.02-10.39]   | 8.17; [3.69-17.12]   |
| Kemnath                  | 1.88; [0.83-4.17]                      | 2.11; [0.93-4.71]    | 10.90; [7.49-15.60]  |
| Konnersreuth             | 12.73; [7.72-20.28]                    | 13.66; [8.28-21.70]  | 18.24; [11.71-27.29] |
| Krummennaab              | 12.26; [6.86-20.96]                    | 13.76; [7.60-23.64]  | 16.77; [9.69-27.46]  |
| Kulmain                  | 5.22; [2.57-10.34]                     | 6.21; [2.94-12.62]   | 10.98; [6.24-18.61]  |
| Leonberg                 | 20.88; [12.95-31.87]                   | 21.57; [12.99-33.62] | 34.07; [22.96-47.27] |
| Mitterteich              | 19.03; [15.38-23.30]                   | 20.05; [16.01-24.80] | 25.07; [20.53-30.23] |
| Mähring                  | 18.32; [12.14-26.71]                   | 19.41; [12.74-28.44] | 23.46; [15.97-33.07] |
| Neusorg                  | 7.09; [3.81-12.81]                     | 8.16; [4.29-14.99]   | 12.42; [7.28-20.39]  |
| Pechbrunn                | 12.71; [6.87-22.33]                    | 15.98; [9.06-26.65]  | 21.89; [12.94-34.57] |
| Plößberg                 | 7.06; [4.27-11.46]                     | 7.80; [4.57-13.02]   | 13.13; [8.94-18.87]  |
| Pullenreuth              | 3.78; [1.50-9.21]                      | 4.25; [1.58-10.92]   | 9.43; [4.74-17.87]   |
| Reuth b.Erbendorf        | 22.62; [14.49-33.52]                   | 23.82; [15.06-35.55] | 32.83; [22.29-45.42] |
| Tirschenreuth            | 10.64; [8.32-13.51]                    | 11.86; [9.22-15.12]  | 18.47; [15.18-22.27] |
| Waldershof               | 3.80; [1.92-7.40]                      | 4.89; [2.54-9.21]    | 11.63; [7.57-17.46]  |
| Waldsassen               | 9.04; [6.47-12.48]                     | 10.14; [7.21-14.09]  | 15.91; [12.11-20.61] |
| Wiesau                   | 8.62; [5.64-12.97]                     | 9.79; [6.28-14.94]   | 16.14; [11.51-22.18] |
| <b>Senior care homes</b> |  |                      |                      |
| without senior care home | 8.71; [7.34-10.31]                     | 9.59; [8.04-11.41]   | 14.25; [12.32-16.42] |
| with senior care home    | 9.40; [8.37-10.54]                     | 10.22; [9.06-11.51]  | 16.05; [14.60-17.62] |

## Supplemental Table S6.

**Standardized (N-based) period seroprevalence by municipality at Baseline (BL), at FU1 (period between BL and FU1) and FU2 (period between FU1 and FU2).** Shown are the population at risk in the general Tirschenreuth population and the analyzed cohort as absolute numbers and percentages of the according group. Further shown is standardized and corrected seroprevalence (based on N-antibodies) (%) in the indicated municipalities with the 95% Wilson confidence intervals (95%-CI). The CI is marked as [registered] for seroprevalence, when case prevalence exceeded seoprevalence, as SDR was then set to 1.0 and registered cases were used for all calculations.

| Subgroup                 | Population at risk      |                  |                  | Population at risk |                 |                 | new seropositive %; [95%-CI] |                         |                          |
|--------------------------|-------------------------|------------------|------------------|--------------------|-----------------|-----------------|------------------------------|-------------------------|--------------------------|
|                          | Tirschenreuth<br>#; [%] |                  | Cohort<br>#; [%] |                    |                 |                 |                              |                         |                          |
| Municipality             | BL                      | FU1              | FU2              | BL                 | FU1             | FU2             | BL                           | FU1                     | FU2                      |
| <b>Bad Neualbenreuth</b> | 1186;<br>[1.83]         | 1095;<br>[1.87]  | 1095;<br>[1.88]  | 93;<br>[2.22]      | 69;<br>[2.18]   | 66;<br>[2.33]   | 7.65;<br>[3.77 - 14.88]      | 0.37;<br>[registered]   | 6.61;<br>[2.70 - 15.30]  |
| <b>Brand</b>             | 1025;<br>[1.59]         | 972;<br>[1.66]   | 972;<br>[1.67]   | 59;<br>[1.41]      | 47;<br>[1.49]   | 45;<br>[1.59]   | 5.16;<br>[1.78 - 14.02]      | 0.21;<br>[registered]   | 9.14;<br>[3.66 - 21.05]  |
| <b>Bärnau</b>            | 2795;<br>[4.32]         | 2529;<br>[4.31]  | 2453;<br>[4.21]  | 183;<br>[4.38]     | 141;<br>[4.46]  | 123;<br>[4.35]  | 9.51;<br>[6.06 - 14.63]      | 3.03;<br>[1.22 - 7.33]  | 4.77;<br>[registered]    |
| <b>Ebnath</b>            | 1710;<br>[2.65]         | 1603;<br>[2.73]  | 1570;<br>[2.69]  | 65;<br>[1.55]      | 51;<br>[1.61]   | 49;<br>[1.73]   | 6.25;<br>[2.47 - 14.91]      | 2.09;<br>[0.39 - 10.50] | 3.31;<br>[registered]    |
| <b>Erbendorf</b>         | 4476;<br>[6.92]         | 4108;<br>[7.00]  | 4108;<br>[7.05]  | 262;<br>[6.27]     | 195;<br>[6.17]  | 175;<br>[6.19]  | 8.22;<br>[5.47 - 12.19]      | 0.54;<br>[registered]   | 4.78;<br>[2.48 - 9.03]   |
| <b>Falkenberg</b>        | 822;<br>[1.27]          | 800;<br>[1.36]   | 786;<br>[1.35]   | 74;<br>[1.77]      | 62;<br>[1.96]   | 55;<br>[1.94]   | 2.73;<br>[0.76 - 9.37]       | 1.71;<br>[0.32 - 8.74]  | 7.64;<br>[3.08 - 17.74]  |
| <b>Friedenfels</b>       | 1103;<br>[1.71]         | 1037;<br>[1.77]  | 1036;<br>[1.78]  | 86;<br>[2.06]      | 67;<br>[2.12]   | 63;<br>[2.23]   | 5.99;<br>[2.62 - 13.13]      | 0.19;<br>[registered]   | 5.12;<br>[registered]    |
| <b>Fuchsmühl</b>         | 1387;<br>[2.15]         | 1184;<br>[2.02]  | 1184;<br>[2.03]  | 87;<br>[2.08]      | 62;<br>[1.96]   | 53;<br>[1.87]   | 14.61;<br>[8.69 - 23.52]     | 0.42;<br>[registered]   | 5.75;<br>[1.99 - 15.49]  |
| <b>Immenreuth</b>        | 1600;<br>[2.48]         | 1584;<br>[2.70]  | 1584;<br>[2.72]  | 100;<br>[2.39]     | 83;<br>[2.62]   | 75;<br>[2.65]   | 1.00;<br>[0.18 - 5.45]       | 1.07;<br>[registered]   | 8.33;<br>[registered]    |
| <b>Kastl</b>             | 1208;<br>[1.87]         | 1178;<br>[2.01]  | 1178;<br>[2.02]  | 83;<br>[1.99]      | 70;<br>[2.21]   | 61;<br>[2.16]   | 2.52;<br>[0.71 - 8.52]       | 0.85;<br>[registered]   | 4.99;<br>[1.72 - 13.59]  |
| <b>Kemnath</b>           | 4773;<br>[7.38]         | 4683;<br>[7.98]  | 4683;<br>[8.03]  | 291;<br>[6.96]     | 251;<br>[7.94]  | 217;<br>[7.67]  | 1.88;<br>[0.83 - 4.17]       | 0.23;<br>[registered]   | 8.99;<br>[5.86 - 13.54]  |
| <b>Konnersreuth</b>      | 1501;<br>[2.32]         | 1310;<br>[2.23]  | 1310;<br>[2.25]  | 109;<br>[2.61]     | 88;<br>[2.78]   | 80;<br>[2.83]   | 12.73;<br>[7.72 - 20.28]     | 1.07;<br>[registered]   | 5.30;<br>[2.14 - 12.57]  |
| <b>Krummennaab</b>       | 1299;<br>[2.01]         | 1140;<br>[1.94]  | 1120;<br>[1.92]  | 84;<br>[2.01]      | 62;<br>[1.96]   | 58;<br>[2.05]   | 12.26;<br>[6.86 - 20.96]     | 1.71;<br>[0.32 - 8.74]  | 3.49;<br>[0.97 - 11.79]  |
| <b>Kulmain</b>           | 1928;<br>[2.98]         | 1827;<br>[3.11]  | 1827;<br>[3.13]  | 136;<br>[3.25]     | 96;<br>[3.04]   | 82;<br>[2.9]    | 5.22;<br>[2.57 - 10.34]      | 1.04;<br>[registered]   | 5.09;<br>[registered]    |
| <b>Leonberg</b>          | 870;<br>[1.35]          | 688;<br>[1.17]   | 688;<br>[1.18]   | 69;<br>[1.65]      | 46;<br>[1.45]   | 39;<br>[1.38]   | 20.88;<br>[12.95 - 31.87]    | 0.87;<br>[registered]   | 15.95;<br>[7.62 - 30.38] |
| <b>Mitterteich</b>       | 5899;<br>[9.13]         | 4777;<br>[8.14]  | 4716;<br>[8.09]  | 376;<br>[8.99]     | 252;<br>[7.97]  | 223;<br>[7.89]  | 19.03;<br>[15.38 - 23.30]    | 1.26;<br>[0.44 - 3.54]  | 6.28;<br>[3.78 - 10.26]  |
| <b>Mähring</b>           | 1560;<br>[2.41]         | 1274;<br>[2.17]  | 1274;<br>[2.19]  | 107;<br>[2.56]     | 78;<br>[2.47]   | 72;<br>[2.55]   | 18.32;<br>[12.14 - 26.71]    | 1.33;<br>[registered]   | 5.02;<br>[registered]    |
| <b>Neusorg</b>           | 1810;<br>[2.8]          | 1682;<br>[2.86]  | 1662;<br>[2.85]  | 131;<br>[3.13]     | 96;<br>[3.04]   | 81;<br>[2.86]   | 7.09;<br>[3.81 - 12.81]      | 1.16;<br>[0.22 - 5.85]  | 4.63;<br>[registered]    |
| <b>Pechbrunn</b>         | 1173;<br>[1.81]         | 1024;<br>[1.74]  | 986;<br>[1.69]   | 72;<br>[1.72]      | 57;<br>[1.8]    | 44;<br>[1.56]   | 12.71;<br>[6.87 - 22.33]     | 3.75;<br>[1.07 - 12.26] | 7.03;<br>[2.46 - 18.50]  |
| <b>Plößberg</b>          | 2835;<br>[4.39]         | 2635;<br>[4.49]  | 2616;<br>[4.49]  | 202;<br>[4.83]     | 149;<br>[4.71]  | 138;<br>[4.88]  | 7.06;<br>[4.27 - 11.46]      | 0.80;<br>[registered]   | 5.77;<br>[registered]    |
| <b>Pullenreuth</b>       | 1500;<br>[2.32]         | 1443;<br>[2.46]  | 1443;<br>[2.48]  | 109;<br>[2.61]     | 80;<br>[2.53]   | 71;<br>[2.51]   | 3.78;<br>[1.50 - 9.21]       | 0.49;<br>[registered]   | 5.40;<br>[registered]    |
| <b>Reuth</b>             | 994;<br>[1.54]          | 769;<br>[1.31]   | 768;<br>[1.32]   | 72;<br>[1.72]      | 49;<br>[1.55]   | 44;<br>[1.56]   | 22.62;<br>[14.49 - 33.52]    | 1.56;<br>[registered]   | 11.82;<br>[5.24 - 24.53] |
| <b>Tirschenreuth</b>     | 7807;<br>[12.08]        | 6976;<br>[11.88] | 6881;<br>[11.81] | 545;<br>[13.04]    | 409;<br>[12.93] | 374;<br>[13.22] | 10.64;<br>[8.32 - 13.51]     | 1.36;<br>[0.61 - 3.02]  | 7.50;<br>[registered]    |

|                   |                 |                 |                 |                |                |                |                         |                        |                         |
|-------------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------------------|------------------------|-------------------------|
| <b>Waldershof</b> | 3869;<br>[5.99] | 3722;<br>[6.34] | 3720;<br>[6.38] | 203;<br>[4.86] | 165;<br>[5.22] | 146;<br>[5.16] | 3.80;<br>[1.92 - 7.40]  | 1.13;<br>[registered]  | 7.09;<br>[3.94 - 12.45] |
| <b>Waldsassen</b> | 5862;<br>[9.07] | 5332;<br>[9.08] | 5332;<br>[9.15] | 354;<br>[8.47] | 271;<br>[8.57] | 244;<br>[8.63] | 9.04;<br>[6.47 - 12.48] | 1.22;<br>[registered]  | 6.41;<br>[3.96 - 10.21] |
| <b>Wiesau</b>     | 3651;<br>[5.65] | 3336;<br>[5.68] | 3294;<br>[5.65] | 229;<br>[5.48] | 166;<br>[5.25] | 150;<br>[5.30] | 8.62;<br>[5.64 - 12.97] | 1.27;<br>[0.36 - 4.39] | 7.05;<br>[3.93 - 12.30] |

**Supplemental Table S7** Sensitivity analysis of our SDR estimates for Baseline (BL) Follow up 1 (FU1) and Follow up 2 (FU2), calculated with an assumed (lower bound) specificity of 99.5% for PCR testing and thus registered cases at health authorities. Missing a better estimate, the total number of tests in the county was derived from the fraction tested within our cohort and standardized to the whole population.

| SURVEILLANCE DETECTION RATIO-SENSITIVITY ANALYSIS |                           |                           |                           |
|---|---------------------------|---------------------------|---------------------------|
| SUBGROUP  | BL                        | FU1                       | FU2                       |
|   | sens,<br>[prev; % change] | sens,<br>[prev; % change] | sens,<br>[prev; % change] |
| <b>OVERALL</b>                                    | 5.51,<br>[5.35, 3.07]     | 0.99,<br>[0.82, 20.42]    | 1.19,<br>[1.14, 4.17]     |
| <b>M</b>  | 6.49,<br>[6.3, 3.11]      | 1.00,<br>[0.83, 20.66]    | 1.22,<br>[1.17, 4.17]     |
| <b>W</b>  | 4.81,<br>[4.67, 3.04]     | 0.98,<br>[0.81, 20.75]    | 1.16,<br>[1.11, 4.16]     |
| <b>14 TO 19</b>                                   | 11.79,<br>[11.47, 2.78]   | 1.76,<br>[1.44, 22.22]    | 2.58,<br>[2.48, 4.3]      |
| <b>20 TO 29</b>                                   | 7.6,<br>[7.37, 3.13]      | 0.79,<br>[0.65, 20.25]    | 1.5,<br>[1.44, 4.14]      |
| <b>30 TO 39</b>                                   | 5.72,<br>[5.55, 3.06]     | N/A,<br>[N/A, 0]          | 1.18,<br>[1.14, 4.15]     |
| <b>40 TO 49</b>                                   | 5.78,<br>[5.6, 3.31]      | 1.55,<br>[1.29, 20.69]    | 0.91,<br>[0.88, 4.21]     |
| <b>50 TO 59</b>                                   | 6.2,<br>[6.02, 2.88]      | 0.99,<br>[0.82, 20]       | 1.41,<br>[1.36, 4.1]      |
| <b>60 TO 69</b>                                   | 6.52,<br>[6.34, 2.96]     | 0.55,<br>[0.46, 20]       | 0.99,<br>[0.95, 4.26]     |
| <b>70 TO 79</b>                                   | 3.89,<br>[3.78, 2.84]     | 1.55,<br>[1.28, 20.83]    | 0.83,<br>[0.79, 4.13]     |
| <b>AT LEAST</b>                                   | 2.97,                     | 1.56,                     | 0.37,                     |
| <b>80</b>   | [2.88, 3.32]              | [1.27, 22.22]             | [0.35, 4.14]              |

**Supplemental Table S8 (Supplement to figure 3).**

**Standardized (N-based) Seroprevalence, SDR and IFR in municipalities with and w/o SCH at Baseline (BL), at FU1 (period between BL and FU1) and FU2 (period between FU1 and FU2).** Shown are the population at risk in the general Tirschenreuth population and the analyzed cohort as absolute numbers and percentages of the according group. Further shown is standardized and corrected seroprevalence (based on N-antibodies) (%) in the indicated municipalities with the 95% Wilson confidence intervals (95%-CI) as well as SDR and IFR with 95% Bayesian credibility intervals. The CI is marked as [reg.] for seroprevalence and SDR, when case prevalence exceeded seoprevalence, as SDR was then set to 1.0 and registered cases were used for all calculations.

| Subgroup                 | Population at risk |                |                | Population at risk |               |               | new seropositive |              |              | SDR            |              |              | IFR          |              |              |
|--------------------------|--------------------|----------------|----------------|--------------------|---------------|---------------|------------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|
|                          | Tirschenreuth      |                |                | Cohort             |               |               | % [95%-CI]       |              |              | #; [95%-CI]    |              |              | % [95%-CI]   |              |              |
|                          | BL                 | FU1            | FU2            | BL                 | FU1           | FU2           | BL               | FU1          | FU2          | BL             | FU1          | FU2          | BL           | FU1          | FU2          |
| without senior care home | 20773; [32.13]     | 18964; [32.30] | 18780; [32.22] | 1392; [33.29]      | 1058; [33.46] | 947; [33.49]  | 8.71; [7.34]     | 0.97; [0.53] | 5.15; [3.91] | 8.10; [6.53]   | 1.18; [1.00] | 1.02; [1.00] | 0.72; [0.41] | 1.09; [0.29] | 2.90; [1.84] |
|                          |                    |                |                |                    |               |               | —                | —            | —            | —              | —            | —            | —            | —            | —            |
|                          |                    |                |                |                    |               |               | 10.31] [10.31]   | 1.76] [1.76] | 6.74] [6.74] | 10.03] [10.03] | 2.19] [2.19] | 1.34] [1.34] | 1.27] [1.27] | 4.53] [4.53] | 4.59] [4.59] |
| with senior care home    | 43870; [67.87]     | 39746; [67.70] | 39508; [67.78] | 2789; [66.71]      | 2104; [66.54] | 1881; [66.51] | 9.40; [8.37]     | 0.90; [5.47] | 6.50; [4.08] | 4.66; [1.00]   | 1.00; [1.00] | 1.19; [2.46] | 3.03; [2.46] | 2.23; [1.00] | 3.43; [2.63] |
|                          |                    |                |                |                    |               |               | —                | [reg.]       | —            | —              | [reg.]       | —            | —            | —            | —            |
|                          |                    |                |                |                    |               |               | 10.54] [10.54]   |              | 7.70] [7.70] | 5.32] [5.32]   |              | 1.42] [1.42] | 3.74] [3.74] | 5.02] [5.02] | 4.49] [4.49] |

**Supplemental Table S9 (Supplement to figure 4)**

**Standardized (S-based) period seroprevalence at Baseline (BL), at FU1 (period between BL and FU1) and FU2 (period between FU1 and FU2).** Shown are the population at risk in the general Tirschenreuth population and the analyzed cohort as absolute numbers as well as absolute numbers off all S-antibody positive, S&N positive and only S positive participants. Further shown is standardized and corrected seroprevalence (based on S-antibodies) (%) in the indicated groups with the 95% Wilson confidence intervals (95%-CI).

| Subgroup                 | population<br>at risk  | S-antibody<br>positive       | Standardized<br>total S positive | Standardized<br>S&N positive | Standardized<br>only S positive |
|--------------------------|------------------------|------------------------------|----------------------------------|------------------------------|---------------------------------|
|                          | # County<br>[# Cohort] | # total<br>[# S&N, # only S] | % [CI]                           | % [CI]                       | % [CI]                          |
| <b>overall</b>           | 64379<br>[3371]        | 1503<br>[515, 988]           | 45.79<br>[44.11-47.47]           | 15.06<br>[13.89-16.31]       | 30.53<br>[29.00-32.10]          |
| <b>sex</b>               |                        |                              |                                  |                              |                                 |
| m                        | 32102<br>[1559]        | 674<br>[242, 432]            | 44.48<br>[42.03-46.96]           | 15.29<br>[13.59-17.16]       | 28.96<br>[26.76-31.26]          |
| w                        | 32277<br>[1812]        | 829<br>[273, 556]            | 47.08<br>[44.79-49.39]           | 14.83<br>[13.27-16.54]       | 32.09<br>[29.98-34.28]          |
| <b>age group</b>         |                        |                              |                                  |                              |                                 |
| 14 to 19                 | 3994<br>[177]          | 51<br>[44, 7]                | 28.77<br>[22.60-35.83]           | 24.50<br>[18.75-31.33]       | 3.80<br>[1.83-7.73]             |
| 20 to 29                 | 8145<br>[374]          | 129<br>[68, 61]              | 34.47<br>[29.84-39.43]           | 17.87<br>[14.32-22.07]       | 16.29<br>[12.90-20.38]          |
| 30 to 39                 | 8430<br>[420]          | 135<br>[53, 82]              | 32.11<br>[27.83-36.72]           | 12.34<br>[9.53-15.83]        | 19.54<br>[16.03-23.60]          |
| 40 to 49                 | 8781<br>[488]          | 210<br>[81, 129]             | 43.06<br>[38.74-47.49]           | 16.29<br>[13.28-19.83]       | 26.53<br>[22.81-30.62]          |
| 50 to 59                 | 12802<br>[737]         | 296<br>[132, 164]            | 40.18<br>[36.70-43.76]           | 17.60<br>[15.02-20.51]       | 22.30<br>[19.45-25.45]          |
| 60 to 69                 | 10389<br>[652]         | 263<br>[78, 185]             | 40.35<br>[36.65-44.16]           | 11.69<br>[9.44-14.38]        | 28.49<br>[25.16-32.08]          |
| 70 to 79                 | 6712<br>[360]          | 274<br>[39, 235]             | 76.32<br>[71.66-80.41]           | 10.57<br>[7.80-14.17]        | 65.82<br>[60.77-70.53]          |
| over 80                  | 5126<br>[163]          | 145<br>[20, 125]             | 89.23<br>[83.54-93.12]           | 11.99<br>[7.86-17.87]        | 77.35<br>[70.34-83.11]          |
| <b>senior care homes</b> |                        |                              |                                  |                              |                                 |
| without SCH              | 20730<br>[1114]        | 459<br>[155, 304]            | 42.25<br>[39.39-45.18]           | 13.49<br>[11.61-15.62]       | 28.58<br>[26.00-31.30]          |
| with SCH                 | 43649<br>[2257]        | 1044<br>[360, 684]           | 47.46<br>[45.41-49.53]           | 15.81<br>[14.36-17.37]       | 31.45<br>[29.57-33.40]          |