Table S2 Proportion of population and the corresponding percentage of confirmed cases within each decile group ranked by the social and structural determinants across CMA.

| Census Metropolitan Area | Decile groups | After-tax household income |  | \% without diploma/certificate |  | \% visible minority |  | \% recent immigration |  | \% not living in high-density housing |  | \% essential worker |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** |
| British Columbia |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vancouver | 1 | 10.0\% | 6.1\% | 9.9\% | 21.3\% | 10.0\% | 15.5\% | 10.0\% | 13.4\% | 1.8\% | 1.0\% | 10.0\% | 23.7\% |
|  | 2 | 20.0\% | 13.0\% | 20.0\% | 37.3\% | 20.0\% | 29.6\% | 20.0\% | 25.7\% | 19.7\% | 13.0\% | 20.0\% | 38.8\% |
|  | 3 | 30.0\% | 20.9\% | 30.0\% | 49.5\% | 30.0\% | 41.8\% | 29.9\% | 37.0\% | 29.9\% | 21.1\% | 30.0\% | 49.3\% |
|  | 4 | 40.0\% | 29.9\% | 40.0\% | 58.7\% | 39.9\% | 53.1\% | 40.0\% | 47.6\% | 39.9\% | 29.0\% | 39.3\% | 58.3\% |
|  | 5 | 50.0\% | 39.6\% | 49.9\% | 66.6\% | 50.0\% | 63.4\% | 50.0\% | 57.9\% | 49.3\% | 37.1\% | 50.0\% | 66.5\% |
|  | 6 | 60.0\% | 51.0\% | 60.0\% | 73.8\% | 60.0\% | 71.6\% | 60.0\% | 68.6\% | 59.8\% | 47.0\% | 59.9\% | 73.6\% |
|  | 7 | 70.0\% | 63.3\% | 69.6\% | 80.5\% | 70.0\% | 80.0\% | 70.0\% | 77.1\% | 69.9\% | 57.3\% | 70.0\% | 80.4\% |
|  | 8 | 80.0\% | 76.4\% | 79.7\% | 87.0\% | 80.0\% | 87.3\% | 79.9\% | 85.4\% | 79.9\% | 68.1\% | 80.0\% | 87.2\% |
|  | 9 | 90.0\% | 89.0\% | 89.9\% | 94.2\% | 90.0\% | 93.8\% | 88.6\% | 92.0\% | 89.9\% | 81.1\% | 89.8\% | 93.8\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| Kelowna | 1 | 9.8\% | 10.5\% | 9.9\% | 12.3\% | 9.9\% | 14.4\% | 9.4\% | 11.0\% | 2.7\% | 2.2\% | 9.6\% | 10.7\% |
|  | 2 | 19.8\% | 22.0\% | 19.9\% | 21.6\% | 19.1\% | 25.1\% | 19.6\% | 21.8\% | 19.2\% | 16.8\% | 19.9\% | 20.1\% |
|  | 3 | 29.8\% | 32.5\% | 29.1\% | 30.8\% | 30.0\% | 37.4\% | 30.0\% | 31.7\% | 29.7\% | 26.9\% | 29.8\% | 30.5\% |
|  | 4 | 39.8\% | 41.5\% | 40.0\% | 39.7\% | 39.7\% | 45.7\% | 39.1\% | 40.5\% | 39.1\% | 37.0\% | 39.9\% | 39.8\% |
|  | 5 | 49.8\% | 51.4\% | 49.5\% | 48.6\% | 49.5\% | 55.7\% | 49.2\% | 49.4\% | 49.4\% | 46.7\% | 49.8\% | 47.6\% |
|  | 6 | 59.6\% | 58.6\% | 59.8\% | 58.9\% | 59.8\% | 65.8\% | 59.7\% | 58.9\% | 59.9\% | 58.0\% | 59.7\% | 58.6\% |
|  | 7 | 69.9\% | 67.7\% | 69.2\% | 66.6\% | 69.5\% | 74.1\% | 64.9\% | 64.7\% | 69.2\% | 66.4\% | 68.0\% | 66.6\% |
|  | 8 | 79.3\% | 76.3\% | 79.7\% | 78.0\% | 79.0\% | 83.6\% | 100.0\% | 100.0\% | 79.9\% | 76.8\% | 79.7\% | 80.7\% |
|  | 9 | 89.8\% | 88.6\% | 89.7\% | 88.9\% | 89.9\% | 92.4\% |  |  | 89.8\% | 88.5\% | 89.9\% | 88.9\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| Abbotsford-Mission | 1 | 10.0\% | 6.4\% | 9.6\% | 17.3\% | 10.0\% | 21.1\% | 9.8\% | 21.2\% | 3.1\% | 2.9\% | 9.9\% | 18.4\% |
|  | 2 | 19.9\% | 12.0\% | 19.7\% | 35.1\% | 19.9\% | 38.6\% | 19.7\% | 34.5\% | 19.3\% | 13.5\% | 19.9\% | 32.5\% |
|  | 3 | 30.0\% | 20.3\% | 30.0\% | 46.6\% | 29.5\% | 50.9\% | 29.8\% | 44.8\% | 29.5\% | 20.1\% | 29.7\% | 46.2\% |
|  | 4 | 39.7\% | 28.9\% | 39.8\% | 56.0\% | 40.0\% | 61.7\% | 40.0\% | 56.2\% | 39.6\% | 26.9\% | 39.9\% | 56.8\% |
|  | 5 | 49.9\% | 38.6\% | 49.6\% | 65.4\% | 49.8\% | 69.9\% | 49.5\% | 64.0\% | 49.1\% | 34.8\% | 49.4\% | 64.4\% |
|  | 6 | 59.7\% | 51.4\% | 59.7\% | 74.2\% | 59.4\% | 76.3\% | 59.8\% | 73.4\% | 59.9\% | 43.2\% | 59.6\% | 72.5\% |
|  | 7 | 69.7\% | 66.6\% | 70.0\% | 80.8\% | 70.0\% | 83.0\% | 69.4\% | 81.1\% | 68.4\% | 54.7\% | 69.9\% | 80.9\% |
|  | 8 | 79.8\% | 81.5\% | 79.9\% | 88.1\% | 79.8\% | 88.1\% | 73.6\% | 83.3\% | 79.7\% | 66.3\% | 79.9\% | 87.4\% |
|  | 9 | 89.8\% | 90.8\% | 89.3\% | 94.1\% | 89.9\% | 93.8\% | 100.0\% | 100.0\% | 89.9\% | 79.8\% | 89.9\% | 93.8\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

Appendix 3, as submitted by the authors. Appendix to: Xia Y, Ma H, Moloney G, et al. Geographic concentration of SARS-CoV-2 cases by social determinants of health in metropolitan areas in Canada: a cross-sectional study. CMAJ 2022. doi: 10.1503/cmaj.211249. Copyright © 2022 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

## Table S2 (Cont.)

| Census Metropolitan Area | Decile groups | After-tax household income |  | \% without diploma/certificate |  | \% visible minority |  | \% recent immigration |  | \% not living in high-density housing |  | \% essential worker |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** |
| Manitoba |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Winnipeg | 1 | 9.9\% | 7.4\% | 10.0\% | 15.6\% | 9.9\% | 9.8\% | 9.9\% | 12.4\% | 2.4\% | 2.1\% | 10.0\% | 14.3\% |
|  | 2 | 19.8\% | 14.4\% | 20.0\% | 28.1\% | 19.9\% | 23.8\% | 19.9\% | 23.4\% | 19.9\% | 16.2\% | 19.7\% | 27.0\% |
|  | 3 | 30.0\% | 22.8\% | 29.9\% | 38.6\% | 29.7\% | 35.0\% | 30.0\% | 35.0\% | 29.6\% | 24.0\% | 30.0\% | 39.0\% |
|  | 4 | 40.0\% | 29.9\% | 39.9\% | 48.5\% | 39.9\% | 45.2\% | 39.9\% | 45.7\% | 39.9\% | 31.6\% | 40.0\% | 48.9\% |
|  | 5 | 50.0\% | 39.2\% | 49.9\% | 57.9\% | 50.0\% | 55.8\% | 49.9\% | 56.4\% | 49.9\% | 40.9\% | 49.1\% | 57.8\% |
|  | 6 | 59.9\% | 49.7\% | 59.8\% | 67.0\% | 59.9\% | 66.8\% | 59.6\% | 65.1\% | 60.0\% | 51.1\% | 60.0\% | 67.8\% |
|  | 7 | 70.0\% | 60.6\% | 69.6\% | 75.7\% | 69.9\% | 76.4\% | 69.9\% | 75.2\% | 69.5\% | 59.8\% | 70.0\% | 75.1\% |
|  | 8 | 79.7\% | 72.8\% | 80.0\% | 82.7\% | 80.0\% | 85.5\% | 77.9\% | 80.9\% | 79.9\% | 72.0\% | 80.0\% | 83.4\% |
|  | 9 | 89.8\% | 84.6\% | 90.0\% | 90.9\% | 90.0\% | 93.5\% | 100.0\% | 100.0\% | 89.6\% | 85.2\% | 89.9\% | 91.0\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

Table S2 (Cont.)

| Census Metropolitan Area | Decile groups | After-tax household income |  | \% without diploma/certificate |  | \% visible minority |  | \% recent immigration |  | \% not living in high-density housing |  | \% essential worker |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** |
| Ontario |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Toronto | 1 | 10.0\% | 4.9\% | 9.8\% | 15.4\% | 10.0\% | 16.6\% | 9.9\% | 13.4\% | 1.6\% | 1.0\% | 10.0\% | 18.1\% |
|  | 2 | 20.0\% | 11.0\% | 19.9\% | 30.2\% | 20.0\% | 30.9\% | 20.0\% | 25.6\% | 19.7\% | 11.7\% | 20.0\% | 33.1\% |
|  | 3 | 30.0\% | 18.5\% | 29.9\% | 43.0\% | 30.0\% | 43.6\% | 29.8\% | 37.7\% | 29.9\% | 19.0\% | 29.9\% | 46.7\% |
|  | 4 | 40.0\% | 27.2\% | 39.7\% | 54.6\% | 40.0\% | 54.5\% | 40.0\% | 48.4\% | 39.9\% | 26.8\% | 39.9\% | 58.4\% |
|  | 5 | 50.0\% | 37.4\% | 50.0\% | 65.5\% | 50.0\% | 64.6\% | 49.8\% | 58.9\% | 50.0\% | 36.2\% | 50.0\% | 67.9\% |
|  | 6 | 60.0\% | 49.4\% | 59.9\% | 74.6\% | 59.9\% | 73.2\% | 60.0\% | 69.2\% | 59.9\% | 46.3\% | 60.0\% | 76.7\% |
|  | 7 | 70.0\% | 61.2\% | 69.9\% | 82.1\% | 70.0\% | 81.8\% | 69.9\% | 78.3\% | 70.0\% | 57.5\% | 70.0\% | 84.2\% |
|  | 8 | 80.0\% | 72.8\% | 79.8\% | 88.4\% | 80.0\% | 88.6\% | 80.0\% | 86.4\% | 79.9\% | 69.9\% | 79.9\% | 90.1\% |
|  | 9 | 90.0\% | 85.1\% | 89.9\% | 95.0\% | 90.0\% | 94.8\% | 85.8\% | 90.5\% | 90.0\% | 83.9\% | 90.0\% | 95.4\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| Ottawa - Gatineau (Ontario part) | 1 | 9.9\% | 5.7\% | 10.0\% | 17.6\% | 10.0\% | 20.2\% | 9.9\% | 19.2\% | 2.9\% | 1.8\% | 10.0\% | 19.1\% |
|  | 2 | 19.9\% | 12.1\% | 20.0\% | 31.3\% | 20.0\% | 33.0\% | 20.0\% | 30.7\% | 29.6\% | 19.2\% | 20.0\% | 30.5\% |
|  | 3 | 30.0\% | 19.3\% | 29.9\% | 42.2\% | 29.9\% | 44.7\% | 29.8\% | 43.1\% | 39.6\% | 27.8\% | 30.0\% | 39.7\% |
|  | 4 | 40.0\% | 27.7\% | 39.4\% | 50.3\% | 40.0\% | 55.0\% | 40.0\% | 53.0\% | 49.6\% | 36.1\% | 39.7\% | 50.3\% |
|  | 5 | 50.0\% | 37.8\% | 49.8\% | 61.6\% | 50.0\% | 65.0\% | 49.9\% | 63.9\% | 59.9\% | 45.4\% | 50.0\% | 60.6\% |
|  | 6 | 59.9\% | 48.0\% | 59.9\% | 70.0\% | 59.8\% | 73.5\% | 60.0\% | 71.3\% | 70.0\% | 55.7\% | 60.0\% | 69.4\% |
|  | 7 | 70.0\% | 56.7\% | 68.7\% | 76.7\% | 69.9\% | 81.8\% | 66.2\% | 76.1\% | 80.0\% | 67.4\% | 70.0\% | 78.1\% |
|  | 8 | 79.9\% | 67.7\% | 80.0\% | 85.8\% | 80.0\% | 88.5\% | 100.0\% | 100.0\% | 89.9\% | 79.2\% | 79.9\% | 86.8\% |
|  | 9 | 90.0\% | 80.9\% | 84.1\% | 89.1\% | 90.0\% | 94.0\% |  |  | 100.0\% | 100.0\% | 90.0\% |  |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  | 100.0\% | 100.0\% |
| Hamilton | 1 | 9.9\% | 6.9\% | 10.0\% | 11.5\% | 10.0\% | 16.3\% | 9.9\% | 12.5\% | 2.5\% | 2.1\% | 9.9\% | 13.0\% |
|  | 2 | 20.0\% | 15.1\% | 19.8\% | 23.3\% | 19.9\% | 28.7\% | 20.0\% | 24.3\% | 29.6\% | 25.3\% | 20.0\% | 22.7\% |
|  | 3 | 29.9\% | 23.9\% | 30.0\% | 35.0\% | 30.0\% | 39.2\% | 29.9\% | 34.9\% | 39.4\% | 33.3\% | 30.0\% | 34.2\% |
|  | 4 | 40.0\% | 31.7\% | 39.9\% | 44.1\% | 40.0\% | 48.9\% | 39.8\% | 46.7\% | 49.4\% | 43.0\% | 39.9\% | 45.0\% |
|  | 5 | 49.9\% | 44.4\% | 49.7\% | 56.5\% | 49.9\% | 56.8\% | 49.9\% | 56.1\% | 59.4\% | 53.8\% | 50.0\% | 57.0\% |
|  | 6 | 60.0\% | 54.4\% | 59.8\% | 65.7\% | 60.0\% | 68.0\% | 58.7\% | 63.2\% | 69.3\% | 65.0\% | 59.9\% | 65.5\% |
|  | 7 | 70.0\% | 65.3\% | 69.8\% | 74.5\% | 69.9\% | 78.0\% | 100.0\% | 100.0\% | 79.9\% | 75.7\% | 69.9\% | 75.5\% |
|  | 8 | 80.0\% | 75.8\% | 79.8\% | 83.2\% | 80.0\% | 85.2\% |  |  | 89.5\% | 85.3\% | 80.0\% | 84.1\% |
|  | 9 | 89.9\% | 87.9\% | 89.9\% | 91.2\% | 90.0\% | 92.0\% |  |  | 100.0\% | 100.0\% | 90.0\% | 91.4\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  | 100.0\% | 100.0\% |

Appendix 3, as submitted by the authors. Appendix to: Xia Y , Ma H, Moloney G , et al. Geographic concentration of SARS-CoV-2 cases by social determinants of health in metropolitan areas in Canada: a cross-sectional study. CMAJ 2022. doi: 10.1503/cmaj.211249. Copyright © 2022 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

Table S2 (Cont.)

| Census Metropolitan Area | Decile groups | After-tax household income |  | \% without diploma/certificate |  | \% visible minority |  | \% recent immigration |  | \% not living in high-density housing |  | \% essential worker |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** |
| Kitchener - Cambridge - Waterloo | 1 | 10.0\% | 7.4\% | 9.9\% | 15.2\% | 10.0\% | 15.2\% | 9.9\% | 12.6\% | 3.1\% | 1.8\% | 9.9\% | 14.7\% |
|  | 2 | 20.0\% | 15.8\% | 19.7\% | 25.7\% | 19.6\% | 26.5\% | 19.9\% | 23.8\% | 20.0\% | 15.4\% | 19.9\% | 26.8\% |
|  | 3 | 30.0\% | 22.8\% | 29.7\% | 37.4\% | 30.0\% | 37.8\% | 29.8\% | 36.6\% | 29.9\% | 23.5\% | 29.9\% | 38.0\% |
|  | 4 | 40.0\% | 31.5\% | 39.9\% | 48.6\% | 40.0\% | 47.2\% | 39.8\% | 46.8\% | 39.8\% | 32.4\% | 40.0\% | 48.5\% |
|  | 5 | 49.2\% | 41.0\% | 49.9\% | 57.8\% | 50.0\% | 57.5\% | 49.8\% | 56.8\% | 49.9\% | 42.8\% | 49.5\% | 57.8\% |
|  | 6 | 59.9\% | 51.0\% | 59.8\% | 66.3\% | 59.9\% | 66.7\% | 59.8\% | 65.8\% | 59.4\% | 50.6\% | 59.9\% | 67.8\% |
|  | 7 | 70.0\% | 61.6\% | 69.9\% | 75.4\% | 70.0\% | 75.1\% | 65.0\% | 69.2\% | 69.9\% | 62.1\% | 70.0\% | 77.8\% |
|  | 8 | 79.9\% | 71.4\% | 79.4\% | 83.7\% | 80.0\% | 81.7\% | 100.0\% | 100.0\% | 80.0\% | 72.4\% | 79.8\% | 84.2\% |
|  | 9 | 89.9\% | 83.6\% | 89.8\% | 92.7\% | 90.0\% | 89.1\% |  |  | 89.8\% | 82.1\% | 90.0\% | 92.5\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| St. Catharines - Niagara | 1 | 10.0\% | 14.3\% | 10.0\% | 9.2\% | 9.7\% | 12.5\% | 9.9\% | 12.0\% | 4.2\% | 3.0\% | 9.9\% | 10.9\% |
|  | 2 | 19.9\% | 21.9\% | 19.8\% | 20.5\% | 19.8\% | 25.6\% | 19.6\% | 23.8\% | 29.9\% | 28.3\% | 20.0\% | 21.9\% |
|  | 3 | 29.8\% | 29.1\% | 29.5\% | 30.9\% | 30.0\% | 36.9\% | 30.0\% | 36.7\% | 39.3\% | 36.3\% | 29.9\% | 32.2\% |
|  | 4 | 39.9\% | 37.4\% | 39.9\% | 41.1\% | 39.7\% | 46.6\% | 39.7\% | 47.7\% | 49.5\% | 43.9\% | 40.0\% | 40.1\% |
|  | 5 | 50.0\% | 49.5\% | 49.9\% | 50.2\% | 49.9\% | 56.4\% | 42.8\% | 49.9\% | 59.8\% | 55.3\% | 49.9\% | 50.9\% |
|  | 6 | 59.9\% | 59.4\% | 59.8\% | 57.8\% | 60.0\% | 66.7\% | 100.0\% | 100.0\% | 69.7\% | 66.3\% | 59.9\% | 60.6\% |
|  | 7 | 70.0\% | 69.1\% | 70.0\% | 68.6\% | 69.9\% | 73.2\% |  |  | 79.5\% | 76.0\% | 69.9\% | 69.8\% |
|  | 8 | 79.9\% | 77.9\% | 79.7\% | 77.1\% | 79.7\% | 81.3\% |  |  | 89.9\% | 87.0\% | 79.9\% | 77.8\% |
|  | 9 | 89.9\% | 88.1\% | 89.9\% | 90.8\% | 88.8\% | 91.2\% |  |  | 100.0\% | 100.0\% | 89.7\% | 87.3\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  | 100.0\% | 100.0\% |
| Windsor | 1 | 9.8\% | 6.8\% | 10.0\% | 13.4\% | 10.0\% | 13.8\% | 9.9\% | 13.4\% | 2.1\% | 1.4\% | 10.0\% | 11.1\% |
|  | 2 | 19.8\% | 14.5\% | 19.3\% | 25.7\% | 19.9\% | 26.3\% | 19.8\% | 25.3\% | 29.8\% | 25.9\% | 19.9\% | 23.7\% |
|  | 3 | 29.7\% | 21.6\% | 29.8\% | 36.2\% | 29.9\% | 38.1\% | 29.8\% | 35.6\% | 38.9\% | 33.6\% | 30.0\% | 33.5\% |
|  | 4 | 39.7\% | 34.0\% | 39.7\% | 46.4\% | 39.9\% | 48.8\% | 39.9\% | 45.9\% | 49.8\% | 42.5\% | 39.4\% | 43.1\% |
|  | 5 | 49.7\% | 44.9\% | 50.0\% | 55.2\% | 49.6\% | 57.2\% | 50.0\% | 54.4\% | 59.8\% | 53.0\% | 49.7\% | 51.5\% |
|  | 6 | 59.9\% | 57.8\% | 59.9\% | 63.6\% | 60.0\% | 66.5\% | 59.5\% | 64.8\% | 69.9\% | 62.3\% | 60.0\% | 63.9\% |
|  | 7 | 69.9\% | 64.9\% | 69.8\% | 72.1\% | 69.6\% | 73.6\% | 100.0\% | 100.0\% | 79.9\% | 73.1\% | 69.9\% | 72.4\% |
|  | 8 | 80.0\% | 73.8\% | 79.8\% | 79.8\% | 79.8\% | 80.2\% |  |  | 89.9\% | 86.6\% | 79.9\% | 83.4\% |
|  | 9 | 89.9\% | 84.0\% | 89.8\% | 91.8\% | 89.6\% | 86.4\% |  |  | 100.0\% | 100.0\% | 89.9\% | 91.0\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  | 100.0\% | 100.0\% |

Appendix 3, as submitted by the authors. Appendix to: Xia Y, Ma H, Moloney G, et al. Geographic concentration of SARS-CoV-2 cases by social determinants of health in metropolitan areas in Canada: a cross-sectional study. CMAJ 2022. doi: 10.1503/cmaj.211249. Copyright © 2022 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

Table S2 (Cont.)

| Census Metropolitan Area | Decile groups | After-tax household income |  | \% without diploma/certificate |  | \% visible minority |  | \% recent immigration |  | \% not living in high-density housing |  | \% essential worker |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** |
| Québec |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Montreal | 1 | 9.9\% | 6.8\% | 10.0\% | 12.8\% | 10.0\% | 15.5\% | 10.0\% | 14.9\% | 2.6\% | 2.0\% | 10.0\% | 11.8\% |
|  | 2 | 20.0\% | 15.3\% | 20.0\% | 24.5\% | 20.0\% | 29.2\% | 20.0\% | 26.6\% | 20.0\% | 15.1\% | 20.0\% | 23.4\% |
|  | 3 | 30.0\% | 23.9\% | 29.7\% | 35.0\% | 30.0\% | 41.2\% | 29.9\% | 37.7\% | 29.9\% | 22.8\% | 29.8\% | 34.5\% |
|  | 4 | 40.0\% | 32.5\% | 40.0\% | 45.8\% | 40.0\% | 52.0\% | 40.0\% | 47.9\% | 39.5\% | 31.1\% | 38.5\% | 43.7\% |
|  | 5 | 50.0\% | 42.0\% | 49.8\% | 55.8\% | 50.0\% | 62.1\% | 50.0\% | 57.9\% | 49.6\% | 39.5\% | 50.0\% | 55.7\% |
|  | 6 | 60.0\% | 51.8\% | 60.0\% | 66.0\% | 60.0\% | 70.9\% | 60.0\% | 67.0\% | 60.0\% | 49.2\% | 59.9\% | 65.5\% |
|  | 7 | 70.0\% | 62.4\% | 70.0\% | 75.1\% | 69.9\% | 78.9\% | 70.0\% | 75.6\% | 69.9\% | 59.1\% | 70.0\% | 75.5\% |
|  | 8 | 80.0\% | 74.4\% | 79.9\% | 84.3\% | 80.0\% | 86.4\% | 70.6\% | 75.9\% | 80.0\% | 70.9\% | 79.9\% | 83.9\% |
|  | 9 | 90.0\% | 86.7\% | 90.0\% | 92.5\% | 90.0\% | 93.4\% | 100.0\% | 100.0\% | 89.7\% | 84.0\% | 89.9\% | 92.2\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| Quebec City | 1 | 10.0\% | 7.6\% | 10.0\% | 13.5\% | 9.9\% | 13.1\% | 9.9\% | 12.2\% | 6.3\% | 6.0\% | 10.0\% | 12.3\% |
|  | 2 | 19.9\% | 15.8\% | 19.9\% | 24.4\% | 20.0\% | 24.3\% | 20.0\% | 24.3\% | 39.7\% | 36.6\% | 19.9\% | 22.7\% |
|  | 3 | 30.0\% | 24.7\% | 29.5\% | 34.4\% | 30.0\% | 35.2\% | 29.6\% | 34.0\% | 49.9\% | 45.0\% | 30.0\% | 35.7\% |
|  | 4 | 40.0\% | 33.7\% | 39.9\% | 44.5\% | 40.0\% | 45.3\% | 39.9\% | 43.6\% | 59.9\% | 55.3\% | 40.0\% | 45.7\% |
|  | 5 | 50.0\% | 42.9\% | 49.8\% | 54.5\% | 49.8\% | $54.2 \%$ | $47.2 \%$ | $49.1 \%$ | 70.0\% | 66.7\% | 49.9\% | 54.6\% |
|  | 6 | $60.0 \%$ | $52.3 \%$ | $59.6 \%$ | $64.2 \%$ | 59.9\% | $63.1 \%$ | 100.0\% | $100.0 \%$ | 80.0\% | 76.0\% | 59.9\% | 66.4\% |
|  | 7 | 70.0\% | 62.1\% | 70.0\% | 74.5\% | 70.0\% | 70.9\% |  |  | 89.7\% | 87.1\% | 69.9\% | 75.0\% |
|  | 8 | 80.0\% | 73.7\% | 79.7\% | 82.8\% | 79.9\% | 79.5\% |  |  | 100.0\% | 100.0\% | 79.9\% | 83.8\% |
|  | 9 | 90.0\% | 86.5\% | 88.3\% | 89.5\% | 80.5\% | 79.8\% |  |  |  |  | 90.0\% | 92.2\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  | 100.0\% | 100.0\% |
| Ottawa - Gatineau (Quebec part) | 1 | 9.9\% | 7.9\% | 10.0\% | 13.0\% | 9.9\% | 13.8\% | 10.0\% | 16.2\% | 2.4\% | 2.7\% | 9.9\% | 9.3\% |
|  | 2 | 19.9\% | 15.3\% | 19.9\% | 22.1\% | 20.0\% | 27.1\% | 19.8\% | 26.5\% | 29.7\% | 29.5\% | 19.9\% | 18.3\% |
|  | 3 | 29.6\% | 25.1\% | 29.8\% | 30.8\% | 30.0\% | 35.7\% | 29.8\% | 36.7\% | 39.5\% | 37.7\% | 27.9\% | 26.9\% |
|  | 4 | 39.7\% | 34.5\% | 40.0\% | 40.8\% | 40.0\% | 47.4\% | 39.8\% | 46.1\% | 49.4\% | 46.8\% | 39.9\% | 37.8\% |
|  | 5 | 49.9\% | 44.7\% | 49.8\% | 51.0\% | 50.0\% | 56.5\% | 49.7\% | 57.3\% | 59.5\% | 57.5\% | 49.8\% | 46.6\% |
|  | 6 | 59.8\% | 53.7\% | 59.8\% | 61.7\% | 59.9\% | 67.1\% | 54.2\% | 61.0\% | 69.6\% | 66.6\% | 60.0\% | 60.4\% |
|  | 7 | 69.9\% | 64.8\% | 69.8\% | 72.0\% | 69.9\% | 75.8\% | 100.0\% | 100.0\% | 79.8\% | 77.9\% | 69.7\% | 70.8\% |
|  | 8 | 80.0\% | 73.7\% | 79.8\% | 82.6\% | 79.9\% | 85.6\% |  |  | 90.0\% | 88.7\% | 79.7\% | 81.3\% |
|  | 9 | 90.0\% | 87.1\% | 90.0\% | 91.9\% | 89.8\% | 92.0\% |  |  | 100.0\% | 100.0\% | 89.9\% | 91.2\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  | 100.0\% | 100.0\% |

Appendix 3, as submitted by the authors. Appendix to: Xia Y, Ma H, Moloney G, et al. Geographic concentration of SARS-CoV-2 cases by social determinants of health in metropolitan areas in Canada: a cross-sectional study. CMAJ 2022. doi: 10.1503/cmaj.211249. Copyright © 2022 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

Table S2 (Cont.)

| Census Metropolitan Area | Decile groups | After-tax household income |  | \% without diploma/certificate |  | \% visible minority |  | \% recent immigration |  | \% not living in high-density housing |  | \% essential worker |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** | Pop* | Case** |
| Sherbrooke | 1 | 9.8\% | 5.1\% | 9.9\% | 12.4\% | 9.7\% | 14.7\% | 9.9\% | 14.4\% | 3.1\% | 3.5\% | 9.3\% | 9.3\% |
|  | 2 | 19.2\% | 16.3\% | 19.9\% | 23.7\% | 19.7\% | 29.5\% | 19.9\% | 29.3\% | 39.8\% | 35.9\% | 19.8\% | 22.7\% |
|  | 3 | 29.9\% | 24.9\% | 29.9\% | 35.2\% | 29.6\% | 38.4\% | 29.6\% | 36.5\% | 50.0\% | 44.4\% | 29.6\% | 31.6\% |
|  | 4 | 39.9\% | 31.5\% | 39.9\% | 46.0\% | 38.9\% | 48.1\% | 39.6\% | 47.1\% | 59.2\% | 53.5\% | 39.6\% | 43.7\% |
|  | 5 | 49.9\% | 40.0\% | 49.6\% | 55.7\% | 49.8\% | 59.0\% | 43.6\% | 50.2\% | 69.7\% | 63.8\% | 49.8\% | 55.2\% |
|  | 6 | 59.8\% | 51.2\% | 59.8\% | 65.2\% | 60.0\% | 68.2\% | 100.0\% | 100.0\% | 79.7\% | 75.5\% | 60.0\% | 65.8\% |
|  | 7 | 69.8\% | 60.6\% | 69.6\% | 73.3\% | 69.7\% | 74.6\% |  |  | 90.0\% | 86.3\% | 69.6\% | 74.4\% |
|  | 8 | 80.0\% | 71.4\% | 79.7\% | 81.4\% | 78.9\% | 79.9\% |  |  | 100.0\% | 100.0\% | 79.0\% | 82.9\% |
|  | 9 | 90.0\% | 84.6\% | 88.9\% | 89.9\% | 100.0\% | 100.0\% |  |  |  |  | 89.8\% | 92.5\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  |  |  | 100.0\% | 100.0\% |
| Saguenay | 1 | 9.6\% | 9.0\% | 10.0\% | 8.4\% | 9.9\% | 9.4\% | 9.6\% | 9.2\% | 6.1\% | 3.4\% | 9.9\% | 8.1\% |
|  | 2 | 19.9\% | 19.0\% | 19.8\% | 21.6\% | 19.9\% | 21.4\% | 14.1\% | 13.6\% | 60.0\% | 63.0\% | 19.7\% | 22.1\% |
|  | 3 | 29.3\% | 28.0\% | 30.0\% | 35.5\% | 29.9\% | 34.9\% | 100.0\% | 100.0\% | 69.6\% | 72.3\% | 30.0\% | 29.5\% |
|  | 4 | 40.0\% | 39.5\% | 39.1\% | 43.5\% | 39.8\% | 42.7\% |  |  | 79.7\% | 81.0\% | 39.9\% | 38.9\% |
|  | 5 | 49.9\% | 51.2\% | 49.2\% | 53.9\% | 42.9\% | 45.1\% |  |  | 89.9\% | 90.4\% | 49.9\% | 47.8\% |
|  | 6 | 59.8\% | 58.4\% | 59.8\% | 63.2\% | 100.0\% | 100.0\% |  |  | 100.0\% | 100.0\% | 60.0\% | 57.6\% |
|  | 7 | 69.8\% | 65.5\% | 69.8\% | 72.3\% |  |  |  |  |  |  | 69.3\% | 67.1\% |
|  | 8 | 79.9\% | 74.4\% | 79.5\% | 81.1\% |  |  |  |  |  |  | 79.8\% | 81.3\% |
|  | 9 | 89.7\% | 82.4\% | 89.8\% | 90.5\% |  |  |  |  |  |  | 89.8\% | 89.6\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  |  |  | 100.0\% | 100.0\% |
| Trois-Rivières | 1 | 9.9\% | 10.7\% | 9.9\% | 11.3\% | 9.3\% | 13.1\% | 9.8\% | 11.5\% | 6.6\% | 5.4\% | 9.8\% | 8.4\% |
|  | 2 | 19.8\% | 20.4\% | 19.8\% | 22.8\% | 19.7\% | 22.9\% | 19.4\% | 23.3\% | 48.9\% | 45.5\% | 19.7\% | 18.9\% |
|  | 3 | 29.7\% | 29.0\% | 30.0\% | 31.9\% | 30.0\% | 33.3\% | 28.5\% | 32.4\% | 59.5\% | 56.2\% | 29.9\% | 30.6\% |
|  | 4 | 40.0\% | 38.1\% | 39.6\% | 40.6\% | 39.6\% | 45.0\% | 30.1\% | 33.6\% | 70.0\% | 68.4\% | 40.0\% | 38.7\% |
|  | 5 | 49.9\% | 46.4\% | 49.0\% | 48.7\% | 48.6\% | 54.0\% | 100.0\% | 100.0\% | 79.9\% | 78.9\% | 49.4\% | 50.0\% |
|  | 6 | 59.8\% | 58.9\% | 59.2\% | 60.1\% | 59.9\% | 63.1\% |  |  | 89.9\% | 89.6\% | 59.3\% | 59.3\% |
|  | 7 | 69.8\% | 67.4\% | 69.5\% | 71.4\% | 61.4\% | 64.7\% |  |  | 100.0\% | 100.0\% | 69.4\% | 67.7\% |
|  | 8 | 79.7\% | 77.1\% | 79.7\% | 79.9\% | 100.0\% | 100.0\% |  |  |  |  | 79.8\% | 78.0\% |
|  | 9 | 89.8\% | 87.4\% | 89.8\% | 88.9\% |  |  |  |  |  |  | 89.5\% | 87.0\% |
|  | 10 | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  |  |  | 100.0\% | 100.0\% |

* Pop = cumulative proportion of population
** Case = cumulative proportion of cases

Appendix 3, as submitted by the authors. Appendix to: Xia Y, Ma H, Moloney G, et al. Geographic concentration of SARS-CoV-2 cases by social determinants of health in metropolitan areas in Canada: a cross-sectional study. CMAJ 2022. doi: 10.1503/cmaj.211249. Copyright © 2022 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

