**Additional file 4: Table S3.** Percentage changes in deaths from six main causes by place of death, marital status and occupation class in Guangzhou, China from 21 January through 30 June 2020.

| Category          | Percentage change % (95% eCI) | All causes                  | Respiratory diseases | Cardiovascular diseases | Malignant neoplasms | Diabetes mellitus | External causes |
|-------------------|-------------------------------|-----------------------------|----------------------|------------------------|---------------------|------------------|-----------------|
| **Place of death**|                               |                             |                      |                        |                     |                  |                 |
| In hospitals      |                               | -10.2 (-12.3, -8.0)         | -38.1 (-43.8, -33.0) | -3.8 (-7.4, -0.5)      | -5.4 (-9.5, -1.8)  | 6.7 (-10.7, 18.5) | 0.0 (-10.7, 9.2) |
| Outside hospitals | -0.8 (-2.8, 1.3)              | -38.1 (-43.7, -33.0)        | 3.6 (0.4, 6.9)       | 7.6 (3.6, 11.2)        | 10.3 (-5.4, 21.7) | -2.3 (-12.8, 5.7) |                 |
| **Marital status**|                               |                             |                      |                        |                     |                  |                 |
| Unmarried         | -13.4 (-16.8, -10.1)          | -42.6 (-52.5, -34.0)        | 13.5 (7.1, 18.9)     | -1.3 (-8.9, 5.3)       | 16.5 (-13.8, 38.1) | -10.6 (-23.9, -1.4) |
| Married           | -6.0 (-8.1, -4.1)             | -37.2 (-42.7, -32.2)        | -1.7 (-5.1, 1.5)     | -0.2 (-4.0, 3.4)       | 6.4 (-8.2, 18.4)  | -3.4 (-13.0, 4.3)  |
| Divorced          | -3.3 (-7.5, 0.8)              | -42.2 (-55.1, -30.4)        | 4.2 (-3.2, 10.7)     | 10.8 (2.8, 17.7)       | 0.2 (-31.7, 21.3) | -15.9 (-34.0, -1.7) |
| Widowed           | -1.3 (-3.5, 0.9)              | -38.9 (-44.4, -33.8)        | 4.0 (0.3, 7.2)       | -0.1 (-4.7, 4.6)       | 15.5 (-0.4, 27.7) | 17.3 (6.3, 25.8)  |
| **Occupation class** |                               |                             |                      |                        |                     |                  |                 |
| Gold-collar       | -18.7 (-23.9, -14.0)          | -44.0 (-60.4, -29.7)        | -15.5 (-25.9, -7.1)  | -19.0 (-27.8, -11.1)   | -15.0 (-52.3, 10.2) | 14.1 (-10.0, 31.9) |
| White-collar      | -15.0 (-18.9, -11.1)          | -45.3 (-58.2, -33.5)        | -10.3 (-18.5, -3.0)  | -8.1 (-14.9, -1.9)     | 28.2 (-11.4, 52.8) | -8.0 (-27.1, 6.2)  |
| Pink-collar       | -12.1 (-16.3, -7.8)           | -38.5 (-55.3, -24.5)        | 3.8 (-4.5, 10.7)     | -12.2 (-19.2, -5.6)    | -2.3 (-34.5, 23.5) | -14.3 (-31.3, -0.2) |
| Blue-collar       | -3.6 (-5.7, -1.4)             | -37.2 (-43.5, -32.0)        | -3.1 (-6.5, -0.2)    | 3.8 (-0.8, 7.7)        | 2.6 (-13.9, 15.8) | 2.2 (-7.8, 10.7)  |
| Others            | -5.1 (-7.1, -3.2)             | -38.1 (-43.8, -33.3)        | 3.8 (0.7, 6.8)       | 0.3 (-3.8, 3.9)        | 13.3 (-3.2, 24.7) | -3.7 (-13.3, 4.6)  |

Abbreviation: 95% eCI, 95% empirical confidence interval.