**Supplementary Table 1: Correlations involving possible confounding or interacting variables**

**Table 1a: Correlations between the incidence of mood disorders and possible confounders**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Distance from the equator** | **Human Development Index** | **Gini coefficient** | **Urbanization  (% living in cities)** |
| **MDD, incidence**  1990  2019 | .16 (.025)\*  .07 (.313) | -.17 (.053)  -.24 (.008)\* | .08 (.333)  .19 (.015)\* | .04 (.614)  .02 (.795) |
| **BD, incidence**  1990  2019 | .14 (.043)\* .15 (.032)\* | .43 (<.001)\*\*  .34 (<.001)\*\* | .12 (.110)  .18 (.022)\* | .43 (<.001)\*\*  .38 (<.001)\*\* |

**Table 1b: Correlations between the incidence of infectious diseases and possible confounders**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Distance from the equator** | **Human Development Index** | **Gini coefficient** | **Urbanization  (% living in cities)** |
| **Upper respiratory infections**  1990  2019 | .21 (.003)\*  .25 (.001)\* | .76 (<.001)\*\*  .67 (<.001)\*\* | -.21 (.006)\*  -.11 (.173) | .59 (<.001)\*\*  .55 (<.001)\*\* |
| **Lower respiratory infections**  1990  2019 | -.51 (<.001)\*\*  -.55 (<.001)\*\* | -.83 (<.001)\*\*  -.81 (<.001)\*\* | .44 (<.001)\*\*  .42 (<.001)\*\* | -.65 (<.001)\*\*  -.56 (<.001)\*\* |
| **Enteric infections**  1990  2019 | -.28 (<.001)\*\*  -.36 (<.001)\*\* | -.75 (<.001)\*\*  -.74 (<.001)\*\* | .25 (<.001)\*\*  .18 (.018)\* | -.59 (<.001)\*\*  -.51 (<.001)\*\* |
| **Nematode infections**  1990  2019 | -.62 (<.001)\*\*  -.58 (<.001)\*\* | -.75 (<.001)\*\*  -.84 (<.001)\*\* | .55 (<.001)\*\*  .46 (<.001)\*\* | -.71 (<.001)\*\*  -.61 (<.001)\*\* |
| **Tropical infections**  1990  2019 | -.69 (<.001)\*\*  -.70 (<.001)\*\* | -.85 (<.001)\*\*  -.83 (<.001)\*\* | .54 (<.001)\*\*  .50 (<.001)\*\* | -.68 (<.001)\*\*  -.54 (<.001)\*\* |
| **Other infectious diseases**  1990  2019 | -.56 (<.001)\*\*  -.57 (<.001)\*\* | -.92 (<.001)\*\*  -.89 (<.001)\*\* | .44 (<.001)\*\*  .36 (<.001)\*\* | -.73 (<.001)\*\*  -.64 (<.001)\*\* |

**Note:** All correlations are given as Spearman’s ρ (*p-*value). All variables in the first columns refer to incidence estimates.

**Abbreviations:** MDD, major depressive disorder; BD, bipolar disorder.

**\*** Significant at *p* < .05.

\*\* Significant at *p* < .05 after Bonferroni correction for multiple comparisons.