**Tables**

**Table 1: Comparing the dengue cases, deaths, and case fatality ratio (CFR) of dengue in 2024 by continent. Data were collected from WHO’s global dengue surveillance system. (**[**https://worldhealthorg.shinyapps.io/dengue\_global/**](https://worldhealthorg.shinyapps.io/dengue_global/) **)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Continents** | **Cases** | **Deaths** | **Cases/M** | **Deaths/M** | **CFR (%)** |
| Africa | 168,851 | 152 | 85,882.02 | 15.96 | 0.09 |
| Antarctica | 0 | 0 | -- | -- | -- |
| Asia | 884,639 | 1,008 | 23,010.63 | 15.78 | 0.11 |
| Europe | 308 | 0 | 5.12 | 0.00 | 0.00 |
| North America | 1,142,666 | 934 | 203,129.99 | 60.93 | 0.08 |
| Oceania | 9,640 | 0 | 19,863.24 | 0.00 | 0.00 |
| South America | 11,892,175 | 7,310 | 238,479.58 | 118.00 | 0.06 |
| **Total/ average** | **14,098,279** | **9,404** | **5,432.10** | **4.79** | **0.07** |

Cases/M: cases per million people; Deaths/M: deaths per million people; CFR: case fatality ratio.

a The total number of cases and deaths is presented, with the case fatality rate (CFR) calculated as total deaths divided by total cases, expressed as a percentage. The averages are provided for Cases/M and Deaths/M.

**Table 2: Country-level factors associated with dengue cases, deaths, and case–fatality rate, with national-level explanatory variables using a multiple linear regression model between 1 January 2024 and 31 December 2024. Data were collected from the WHO’s global dengue surveillance system (**[**https://worldhealthorg.shinyapps.io/dengue\_global/**](https://worldhealthorg.shinyapps.io/dengue_global/) **)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Country-level factors | Cases/M |  | Deaths/M | | CFR (%) | |
|  | IRR (95% CI) | *p*-value | IRR (95% CI) | *p*-value | IRR (95% CI) | *p*-value |
| Aged 65 and above (%) | 1.04 (1.04 - 1.05) | *<0.001* | 1.04 (1.01 - 1.06) | *0.003* | 1.02 (0.89 – 1.17) | *0.755* |
| Urban population (%) | 1.02 (1.01 - 1.02) | *<0.001* | 1.01 (1.01 - 1.02) | *0.038* | 1.01 (0.95 – 1.05) | *0.939* |
| Population density | 1.01 (1.01 - 1.02) | *<0.001* | 1.01 (1.01 - 1.02) | *0.048* | 1.01 (0.99 - 1.01) | *0.891* |
| Obesity (%) |  |  | 1.03 (1.01 - 1.06) | *0.003* |  |  |
| Average annual temperature | 1.20 (1.19 - 1.20) | *<0.001* | 1.19 (1.15 - 1.24) | *<0.001* | 1.11 (0.95 - 1.51) | *0.320* |
| Total Rainfall | 1.01 (1.01 - 1.02) | *<0.001* | 1.01 (1.01 - 1.02) | *<0.001* | 1.01 (0.99 - 1.01) | *0.481* |
| Air Quality Index | 1.01 (1.01 - 1.02) | *<0.001* | 1.01 (0.99 - 1.01) | *0.134* | 1.01 (0.98 – 1.03) | *0.669* |
| Hemisphere (Southern) | 2.64 (2.54 – 2.74) | *<0.001* | 4.91 (3.48 – 6.91) | *<0.001* | 0.33 (0.21 – 1.38) | *0.442* |

CI: confidence interval; IRR: incidence risk ratio; Cases/M: cases per million people; Deaths/M: deaths per million people.

Obesity (%) was removed due to multicollinearity.