Dengue Epidemic Escalates: 2024 Surpasses 2023 with Record 12 million Cases

Results



Figure 1. Bar chart of global dengue cases and deaths by year (2000-2024)



Figure 2: Monthly Global dengue cases by hemisphere (0verall, northern, and southern) for

2024



Figure 3: Global map by cases and deaths of dengue in 2024 by country: (Per million

population)

Table 1: Comparing the cases and CFR of dengue in 2024 by continent or WHO regions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Continents** | **Cases** | **Deaths** | **Cases/M** | **Deaths/M** | **CFR** |
| Africa | 129664 | 132 | 52673.27 | 12.60 | 25.52 |
| Antarctica | 0 | 0 | 0 | 0 |  |
| Asia | 705528 | 931 | 18871.38 | 41.00 | 2.62 |
| Europe | 308 | 0 | 5.14 | 0 | 0 |
| North America | 972361 | 667 | 161305.51 | 52.76 | 1.78 |
| Oceania | 9269 | 0 | 19427.80 | 0 | 0 |
| South America | 11474844 | 6875 | 213265.45 | 108.20 | 4.02 |
| **Grand Total** | **13291974** | **8605** | **465548.5512** | **214.5653014** | **33.93082768** |

5) Model. Dengue deaths per million ~ Population + Diabetes + Obesity + Age &gt;65

years + Cardiac disease prevalence + Temp + Rainfall [only 2024 country wise

dengue data and co-variates]

1) Barchart Glabal case n death annually :2000-2024

2) time series trend.. Sen's s slop MK test

3) 2024 map by country.. Count.. Or per million case..

4) Model: Case/M ~ Pop + Obwsity+ diavetes+ cvd + age above 65 yrs..

5) barplot : month wise : Southern vs Nortern hemisphere..

6) only 12 minths data.. Aggegated by months..

References  
<https://academic.oup.com/ofid/article/11/7/ofae362/7700789> (AFR 2023)

<https://worldhealthorg.shinyapps.io/dengue_global/> (Dengue Global)