

Predictive Assessment of Transmission Conditions of Cholera in the Environment and Human Population using Earth Observations

University of Florida, USA University of Maryland, USA

WORLDWIDE BESTSELLER

Why Prediction?



Schematic representation of the disease control measures implemented at the beginning (Scenario A) and after the peak (Scenario B) of an outbreak, and potential cases averted.

Labl (4423)

Aden (3647)

Al Dhalo'e (10252)

00 180

360 Kilometers







Sample time series of average four week cholera cases and computed risk scores



Correlation coefficients between cholera cases and risk values for all governorates

Real time performance of cholera prediction model using data from Yemen (2017-2019)







Total number of cholera cases from 2017 to 2019 in Yemen.







Cholera in Aden. This figure has two x-axes, one for chlorophyll and the other from cholera cases

- Week 1: May 25-June 21
 Low
- Week 2: June 1- June 28
 Low
- Week 3: June 8- July 5
 Low
- Week 4: June 15- July 12 Low
- Week 5: June 22- July 19Low



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