Accepted Manuscript

Transmission Dynamics of Cholera: Mathematical Modelling and Control Strategies

Gui-Quan Sun, Jun-Hui Xie, Sheng-He Huang, Zhen Jin, Ming-Tao Li, Liqun Liu

 PII:
 S1007-5704(16)30346-X

 DOI:
 10.1016/j.cnsns.2016.10.007

 Reference:
 CNSNS 4000



To appear in: Communications in Nonlinear Science and Numerical Simulation

Received date:8 June 2016Revised date:28 September 2016Accepted date:8 October 2016

Please cite this article as: Gui-Quan Sun, Jun-Hui Xie, Sheng-He Huang, Zhen Jin, Ming-Tao Li, Liqun Liu, Transmission Dynamics of Cholera: Mathematical Modelling and Control Strategies, *Communications in Nonlinear Science and Numerical Simulation* (2016), doi: 10.1016/j.cnsns.2016.10.007

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We propose a model to describe the transmission of Cholera.
- Basic reproduction number of Cholera transmission model are obtained.
- Global dynamics are presented.
- Vaccination is more effective than disinfection in eradicating Cholera.

ACTIVITY

Download English Version:

https://daneshyari.com/en/article/5011645

Download Persian Version:

https://daneshyari.com/article/5011645

Daneshyari.com