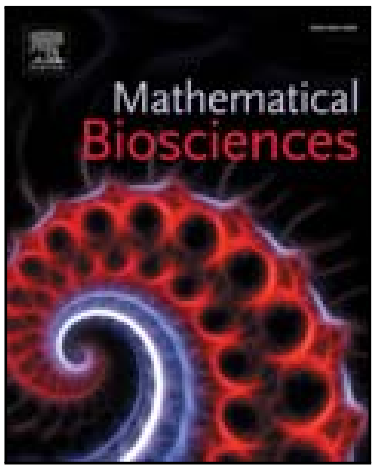
Accepted Manuscript



Global stability for a $2n+1$ dimensional HIV/AIDS epidemic model with treatments

Olusegun Michael Otunuga

PII: S0025-5564(17)30639-9
DOI: 10.1016/j.mbs.2018.03.013
Reference: MBS 8046

To appear in: *Mathematical Biosciences*

Received date: 29 November 2017
Revised date: 6 February 2018
Accepted date: 13 March 2018

Please cite this article as: Olusegun Michael Otunuga, Global stability for a $2n+1$ dimensional HIV/AIDS epidemic model with treatments, *Mathematical Biosciences* (2018), doi: 10.1016/j.mbs.2018.03.013

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.

ACCEPTED MANUSCRIPT

Highlights

- Global stability for a 2n+1 dimensional HIV/AIDS deterministic and stochastic epidemic model with treatments
- Existence and stability of infection-free and endemic equilibrium points
- Numerical simulations showing global stability of infection-free and endemic equilibrium points

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/8877051

Download Persian Version:

https://daneshyari.com/article/8877051

Daneshyari.com