

# Global transport networks and infectious disease spread: A theoretical application of discrete choice model for decision making for trafficking for commercial sexual exploitation

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## Abstract

Transportation deals with the movement of people and goods, using various means of locomotion (walking, bicycles, buses, trams, trains, ferries, taxis, motor cars, trucks, ships, aircraft, pipelines) on transport networks (roads, rails, waterways, airways) which have terminals (parking areas, depots, stations, ports and airports) and transfer points (bus stops, stations, goods yards). Disease-causing organisms can now move faster, further and in greater numbers than it before. In recent years, human trafficking has been identified as a form of modern slavery, as a threat to human security, and as one of the greatest human rights challenges of our time. Human trafficking may be a humanitarian drawback of a worldwide scale, however quantitative analysis on the problem barely exists and investigating and controlling infectious diseases is a complex enterprise that has long been assisted by mathematical modeling. Furthermore, the prevalence of human trafficking is difficult to measure; however, the number of international organizations has estimated that traffickers exploit a majority of human trafficking victims without moving them from one country to another. From the on top of discussions, one will try an act of enlisting and transportation of persons inside or across borders. HIV/AIDS programs area unit advanced as a result of the illness is advanced.

study of Life satisfaction among younger and older HIV-infected populations.

## Speaker Publications:

1. Oluwoye, J. 2006 Application of statistical methodology and model deign to socio behavior of HIV transmission. Chapter 2, Biomathematics- Modeling Simulation, pp 37-58.
2. Oluwoye, J 2001 Spatial Interaction and Socio-Behavior of HIV Transmission. Part V, Applicable Mathematics-Its Perspectives and Challenges, pp. 399-407.
3. Oluwoye, J 2007 Land Transport and HIV Vulnerability: A Conceptual Framework of Vulnerability of Road Users, Road and Environment. Research Journal of Medical Sciences, vol 1: 1.pp 9-12.
4. Oluwoye, J. and Akinmoladun, O. 2007 A Mathematical Concept of Assessing the Social Class Basis of Transmission of HIV Segregation. Research Journal of Medical Sciences, vol 1: 3.pp 165-167.

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## Biography:

Jacob Oluwoye has been an active researcher in transportation, public health and the built environment field since the late 1990's and currently researching on a topic entitled Transport Networks and Infectious Disease Spread. He has his technical expertise and leadership experience on multidisciplinary study of HIV/AIDS and Aging with the goal of carry out comparative