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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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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 see that human trafficking involves the acting associate in nursing tried an act of enlisting and transportation of persons (both male and female) inside or across borders. HIV/AIDS programs area unit advanced as a result of the illness is advanced. It affects all aspects of human society from the cultural sphere to the spiritual, political and economic spheres. The infected and affected area unit are several in variety are numerous in nature and widespread throughout the planet. People confront risks in everyday life. All forms of social life have elements of risk. This paper is the first attempt to describe the theoretical applied discrete-choice modeling of prevalence and predictors of HIV risk behaviors among trafficking victims for Commercial Sexual Exploitation (CSE). The paper concludes that the theoretical application may help policymakers to better target anti-trafficking efforts.