The Prediction of Prevalence and Spread of HIV/AIDS using Artificial Neural Network – The Case of Rivers State in the Niger Delta, Nigeria

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Abstract

HIV/AIDS has gained popularity and sufficient research time in the last two centuries. Research has shown that it is most predominant in people between the ages of 15-50. A lot of government and nongovernment organizations have been actively involved in finding ways to help monitor and curb the spread of the disease. Hitherto, there is no clear relevant predictive service available to HIV/AIDS control and research agencies. In this paper, the artificial neural network (ANN) is used in the prediction of prevalence and spread of HIV/AIDS. Results from a detailed analysis of a sample data used prove the robustness of the method.

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**Index Terms**

Computer Science      Artificial Intelligence

**Keywords**

Hiv/aids Prediction  Artificial Neural Network