STATISTICAL ANALYSIS OF IN AND OUT PATIENTS

(A CASE STUDY OF OLABISI ONABANJO UNIVERSITY TEACHING HOSPITAL SAGAMU)

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ABSTRACT

The rate at which people attend hospital is low compared to expectation. As a result of this, the statistical analysis of In and Out-patients were carried out. The aim of this project is to compare the attendance of both the adult and paediatrics, and to test whether death rates are independent of sex, at the Olabisi Onabajo University Teaching Hospital, Sagamu from the year 2001 – 2010 and analyse the data collected, in order to forecast what the attendance will be in the nearest future. In this project, the analysis of the number of patients was analysed using Regression analysis and Chi-square distribution. Results from the Regression analysis shows that there will annual decrease in the number of In-patients while the number of Out-patients will continue to increase. This may be as a result of lack of facilities and poor staff strength. The chi-square test shows that death is not independent on sex.