Using Statistical Methods to Detect Variables Leading to Cancer
(A Case Study of River Nile State)

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Abstract:

The study problem is represented in the knowledge of variables leading to cancer, which is considered as an incurable disease that has recently spread since the beginning of 21th century. The study aims to find out the state's position on cancer, as well as the causes of this disease, it also attempts to find out the relationship between cancer and some other variables. Cancer data was obtained from the Center for Oncology and Cancer Research in Shendi (during 2016). The paper adopts the descriptive analytical method and using the frequency tables and Chi Square test. The study found that there is a significant relationship between the incidence of cancer and each of the type, date of disease and age, while no significant relationship were found between residence and cancer. The study recommends the need to abstain from smoking, alcohol and drugs in general, also to maintain personal hygiene and eating healthy foods, and to make periodic examinations for the early disease detection.

Keywords: Leukaemia, colon cancer, lung cancer, pharyngeal cancer, laryngeal cancer.