Spatial Analysis of Leukemia in Khartoum

Itidal Hassan *  Elham Ahmed *

Badr-Eldin Taha Osman**

btosman@hotmail.com

*  Student-GIS M Sc. Program 2013-2014
**  Associate Professor- Instructor-GIS M Sc. Program 2013-2014
Dept. of GIS and Cartography, Faculty of Geographical and Environmental Sciences- University of Khartoum-POB 321 Khartoum-Sudan,

Abstract:
This study discusses the cancer (leukemia) in Khartoum state, It showed the distribution of the disease according to reports issued by the Ministry of Health Khartoum-Radiation & Isotopes Center Khartoum (RICK) .The study focused on the relation between the proximity of high-power lines, fuel stations and diseases of leukemia in and Khartoum state. The methodology used GIS to create and shows Map of the areas at risk of leukemia. The results show that Leukemia concentrated in Khartoum middle more than other.The study showed that the personal information of cancer patients were poor, and that patients were in desperate need of medical service.

Key words: GIS, Leukemia, Spatial analysis, Khartoum.