ENVIRONMENTAL POLLUTION AND HEALTH EFFECTS

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Abstract: In recent years, studies in environmental pollution in many urban areas and associated health effects are of great interest. We investigate these aspects to address the increased mortality and other serious other health effects of the cardiovascular diseases and lower respiratory diseases effected by water and air pollution. The water samples were collected in and around the Jackson area during the summer 2009. We performed pH and incubation analyses for water samples. Air pollution of particulate matter PM 2.5 data were obtained from Environmental Protection Agency (EPA) and Mississippi Department of Environmental Quality (MDEQ) and the data for cardiovascular heart diseases and lower respiratory diseases were obtained from the Mississippi Department of Health for the period 1998-2007. These data were compared and correlated with the effects of health. The results show that mostly Hinds County has large health effects in and around Jackson Area. One will then search for the deeper relationship of lower respiratory diseases and cardiovascular diseases with the environmental pollution. With this research, one will try to excrete solutions from an experimental project to a healthier human immunity system. The results will reveal essential facts that will help aide our society in developing a safer, cleaner environment.

Keywords: Health effects, environmental pollution, statistical methods

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