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**GEOGRAPHIC INFORMATION SYSTEMS (GIS) ANALYSIS
OF UNDER FIVE MORTALITY
IN ALEXANDRIA**

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ABSTRACT

The aim of this study is to analyze under five mortality in Alexandria using GIS. A retrospective study is conducted to collect recorded data about under-5 deaths and live births from 1996 to 2001 from Health Information Center and CAPMAS in Alexandria. Data used include sociodemographic and environmental conditions in Alexandria sub-districts, digitized maps of Alexandria districts and sub-districts (scale 1:50,000). The spatial analysis of the geographical database revealed that there is regional variations of U5MR. GIS overlay analysis indicates that there is no association between low sociodemographic and environmental indicators and deaths caused by perinatal conditions and congenital malformations. The cause of death