

# **Spatial Analysis of Brucellosis in the South of the Ardabil Province Case Study: Khalkhal&Kosar**

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The medical geography as a novel and interdisciplinary science discusses the effects of various environmental factors on human health. The study of the dispersion and distribution of diseases on the Earth, together with their geographical causes and the study of the environment in relation to human health. One of the most important aspects of it is to show the dispersion of diseases and mortality as a map. The study area in this study is Golkhal and Kosar (kiwi) in southern Ardebil province. The data used in this study included patients with brucellosis during the six-year period (2011-2011). The number of people with the disease is 45 people in 23 locations, which according to the date of the onset of the day received the health centers of the area and transferred to the Excel environment for the establishment of a database and statistical analysis, and then for the analysis of the space and the relationship of the disease or environmental factors, information related to The ArcGIS application environment has been migrated. The results of data analysis indicate that the highest incidence of the disease in the warm period, especially in the months of May to July, has been observed in terms of elevation and spatial distribution, mainly at an altitude of 1200 to 1600.

**Keywords :** Key words: Spatial analysis, Disease, Brucellosis, Ardabil province, City of Golkhal, City of Iran

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