عنوان مقاله:

Relationship between climatic parameters and pollutants with cardiovascular and respiratory diseases Kermanshah

محل انتشار:

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خلاصه مقاله:

Climate change has always been considered important factors in disease and Better and more accurate detection is to reduce mortality and hospital admission may be easier for a man opens the door of life, especially in the cities. In the present study, using statistical methods, regression, correlation and ANOVA models to study and evaluate the relationship between climatic elements such as temperature, pressure, relative humidity, wind speed and air pollutants such as nitrogen dioxide (NO_2), nitrogen oxides (NOX), carbon monoxide (CO), ozone (O_3), dust ($DUST$) with cardiovascular and respiratory diseases have been studied in Kermanshah. The number of people admitted to hospitals in the 5-year period (2012-2008) For cardiovascular and respiratory diseases, as well as statistics related to air pollution in the city of Kermanshah Kermanshah and Environment and Statistics relating to the elements of weather and climate of the city of Kermanshah been prepared for the period. The results of this study show The highest correlations between climatic factors and respiratory diseases during wet years. Average temperature is the most important climatic element Associated with respiratory disease and in all seasons, with each unit decrease in the number of respiratory diseases has increased. If that heart disease is most correlated with the temperature in the hot months of the year With each unit increase in temperature, the number of heart patients has increased. Between emissions of nitrogen oxides and dust with both cardiovascular and respiratory diseases, there is a significant positive relationship.

کلمات کلیدی:
air and water pollution, disease, regression, Kermanshah

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