SPATIAL PATTERN OF COVID 19 FIRST, SECOND AND THIRD WAVES: STUDY BASED ON SRI LANKA

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Abstract

Coronaviruses are a large family of enveloped viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome and Severe Acute Respiratory Syndrome. Coronavirus disease (COVID-19) is a new strain that was discovered in 2019 and has not been previously identified in humans. The World Health Organization recently declared COVID-19 as a global pandemic. Sri Lanka got the first confirmed case of corona virus on January 27 2020, who was 44-year-old Chinese women from Hubei province in China. She had arrived as a tourist with another group of travelers and had been screened at the Bandaranayaka International Airport after having a high fever. On 10th March, 2020 the first Sri Lankan local national tested positive for covid-19. A 52-year-old tour guide working with a group of Italians had tested positive. After that the virus was spread to all the districts of the country. Until now Sri Lanka is facing the pandemic situation because of Covid 19. While these incidents were happening, the government formed a presidential task force in relation with fighting the covid-19 virus which seek cooperation of all sections of the society. According to this objective of this research is to identify the spatial distribution of first, second and third wave of corona virus in srilanka.as well as identify the provincial distribution through GIS Technology and analyze the age distribution. Methodology was used both qualitative and quantitative method which is obtained from secondary data sources. Research findings discuss about spatial distribution of covid 19 disease in various aspects. Research conclusion says Sri Lanka was experienced several effects through corona virus and to mitigate the pandemic situation that the prevention methods should implemented.

Keywords: Covid-19, GIS Technologies, Epidemiology, Spatial Pattern, Delta

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