

## Analysis of the spatial distribution of AIDS cases in the state of Rio Grande do Sul, from 2004 to 2013

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**Abstract:** The Acquired Immune Deficiency Syndrome (AIDS) emerged at the end of the 20th century. The first foci of dissemination were detected in 1982 in the USA, Haiti and Central Africa. Brazil records an average of 38 hundred new cases of AIDS per year. It is a country with one of the largest series of antiretroviral treatments (ART), with about 50% of people living with HIV, while the global average is 41%. An analysis of the dispersion of disease risk done analytically through incidence rates. These kind maps are valuable tools for choosing sources of contamination and high-risk areas. It is hoped that this identification identification is one of the financial resource management and the human resources needed for epidemiological health and health state.

**Keywords:** STD; incidence; spatial dispersion; cluster analysis.

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