# SPATIAL DISTRIBUTION OF ANIMAL RABIES IN THE STATE OF CEARÁ, BRAZIL, 2003 - 2023

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#### INTRODUCTION

Rabies is a neglected zoonosis and a public health issue in Ceará.

#### **OBJECTIVE**

To describe the spatial distribution of animal rabies in the state of Ceará from 2003 to 2023.

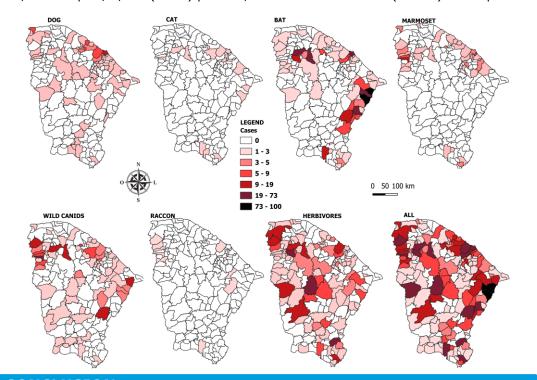
## **METHODS**

Ceará, in Northeast Brazil, is subdivided into 184 municipalities, with Fortaleza as the capital. Data from the Health Department and the Agricultural Defense Agency of Ceará were used. Positive laboratory-diagnosed those immunofluorescence and biological testing. Maps were created by animal species and municipality of occurrence using QGIS software.



### **RESULTS**

-19,249 samples, 1,377 (7.3%) positive, distributed across 143 (77.7%) municipalities.



## CONCLUSION

Animal rabies is heterogeneously distributed in Ceará. The capital and metropolitan area concentrate cases in domestic animals, while cases in wild animals, particularly non-hematophagous bats—the main virus reservoir—are found in the eastern, northwestern, Fortaleza, and metropolitan regions, representing a warning sign. Special attention should be given to "silent municipalities" bordering those with viral isolation, indicating a likely failure in epidemiological surveillance.

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