

CANCER MORTALITY IN BARCARENA: COMPARATIVE ANALYSIS BETWEEN 2010 AND 2022

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Introduction: Barcarena, located in the state of Pará, faces growing concerns regarding the impact of neoplasms on its population. Despite alarming perceptions of increasing cancer-related deaths, it is essential to conduct an analysis adjusted for population variations. This study uses data from DATASUS (2010–2022) to evaluate cancer mortality rates in Barcarena, comparing them to the state average and offering a more accurate perspective on the issue. **Objectives:** The main objectives of this study are to analyze cancer mortality rates in the municipality of Barcarena between 2010 and 2022 using official public health data, and to compare these rates with the state average of Pará, considering adjustments for population size and data categorized by place of hospitalization and residence. **Methods:** Secondary data were extracted from the DATASUS system via TABNET, covering the period from 2010 to 2022. Cancer mortality rates were calculated based on the number of deaths recorded by place of hospitalization and place of residence, adjusted for the local population, and expressed as deaths per 100,000 inhabitants. These data were compared to the state averages for Pará, enabling a comparative analysis across different regions. **Results:** Between 2010 and 2022, the cancer mortality rate in Barcarena by place of hospitalization was 0.51, ranking 69th out of 77 municipalities with available data. This rate is significantly lower than the state average of 8.64. By place of residence, Barcarena recorded a rate of 7.56, slightly below the state average. Although there is a stigma in the municipality regarding cancer incidence due to its industrial nature, the adjusted rates indicate that Barcarena's mortality is below the state average. **Conclusion:** Cancer mortality rates in Barcarena are lower than the state average, both by place of hospitalization and residence, suggesting that despite population growth and reports of increasing deaths, the local situation is less severe than initially perceived. These findings are essential to guide public health policies aimed at cancer prevention and control in the municipality and surrounding region.

Keywords: Cancer mortality; neoplasms; public health; epidemiology; health policy.