

## Epidemiological Characteristics of Primary Tumors of the Central Nervous System According to Anatomical Location and Type of Lesion in a Level IV Hospital in Colombia in the Period between 2008-2019

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### ABSTRACT

**Introduction:** According to figures from GLOBOCAN 2020, tumors of the central nervous system have an incidence of 1.6% with a mortality of 2.5%. For Colombia, 1,901 new cases were registered, with an incidence of 1.7% and 1,650 deaths, with a mortality of 3%.

**Aim:** To describe the epidemiological characteristics of patients diagnosed with primary tumors of the central nervous system at a central military hospital in the period between 2008-2019.

**Materials and Methods:** A cross-sectional descriptive study was proposed, collecting data from the period between 2008 and 2019. 177 cases met these criteria, of which the sociodemographic variables were estimated, and the survival for these was determined through the Kaplan-Meier analysis of the tumors.

**Results:** The average 5-year survival for men is 22% and for women 27%. 18.6% of the 177 patients diagnosed with primary brain tumors in the study died after histopathological diagnosis, of which 60.6% were men and 39.4% women.

**Conclusions:** The highlighted sociodemographic aspects represent a contribution to the generation of - new evidence for primary tumors of the central nervous system in our country.

**Keywords:** GLOBOCAN 2020, Kaplan-Meier analysis, Sociodemographic variables

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