

Sociodemographic and geospatial analysis of animal bite cases attending ARV clinic of tertiary care centre of Nagpur- A cross-sectional study: Reg No: 260

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ABSTRACT

Introduction: Rabies being highly fatal disease can be prevented by timely and prompt post- exposure prophylaxis. Still many people are delaying in taking PEP due to many reasons. Understanding the sociodemographic of people delaying it and spatial analysis of bite cases can lead to targeted intervention in One health approach. **Method:** A hospital- based cross- sectional study among all animal bite patients attending anti- rabies clinic of tertiary care- centre by universal sampling technique from the period of November- December 2024. **Results:** Among all cases included, 61.8% were males, 85.2% had category III bite indicating severe and prompt PEP administration. 78% cases were from urban residence within the district and within 10 km of area. Nearly equal number of cases caused by both pet (46%) and stray (47%) animal. QGIS analysis shows 3 hotspots and the clinic caters to a wide geographical area. **Conclusion:** Salient findings were majority of dog bite both pet and stray being equally distributed, category III cases among adult males within the district. Spatial analysis shows unique hotspots for targeted interventions, strengthen surveillance and reporting.

Keywords

KEYWORDS

Animal bite cases, ARV clinic, Geospatial analysis