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Research Summary

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Category (clinical/public health):	Both
Data focus:	SHEFA

Title Admission Trends from Port Vila Central Hospital Emergency Department for 2020: A retrospective data analysis

Abstract

Introduction: Information regarded admissions from the Emergency Department at Vila Central Hospital is important to help build the Emergency Department and the Hospitals' capacity, address appropriate staffing levels and inform managers on ongoing training needs and resources:

Methods: We utilised retrospective data from triage data to analysis trends in admissions including admitting speciality, patient demographics including age, gender and admitting diagnosis. The data also provided information on monthly and seasonal trends in admissions. Study populations included all patients admitted from the Emergency Department to the Medical, Surgical, Paediatric, Obstetric and Gynaecology and Mind Care wards from January 2020 until December 2020. Statistical analysis was performed using STAT version 10.

Primary outcomes examined included age, gender and admitting diagnosis, admitting ward and month of admission.

Results

Our retrospective analysis of admitting data found an increase in admissions from January to December, with a predictive trend for increasing admissions for the following years. The main admitting ward was Medical, followed by Surgical. Males were more likely to be admitted and August was the busiest month for admissions. Paediatric admissions, however, were more prevalent in May.

Discussion: This is the first-time data has been obtained on patient demographics and admissions from Vila Central Hospital Emergency Department. This has allowed us to forecast future trends in admissions and patient demographics which will enable us to allocate appropriate staffing, training and provides a starting point for ongoing data collection regarding emergency Department presentations and admissions