ABSTRACT

Tuberculosis Cases and Patient Characteristics at Biduk-Biduk Community Health Center, Berau, 2025–October 2026

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Background : Tuberculosis (TB) remains a major public health concern requiring sustained case detection, diagnosis, treatment, and prevention. Local data on recorded cases and patient characteristics can inform program planning, although case counts alone cannot establish population risk or incidence trends.

Objective : This study aimed to describe recorded TB cases and patient characteristics in the Biduk-Biduk Community Health Center catchment area, Berau Regency, during 2025 and January–October 2026.

Research Methods/ Implementation Methods : This quantitative descriptive study used secondary data from the health center's TB program recap. The unit of analysis was an individual case record, comprising 25 records. Univariate analysis summarized reporting period, age, sex, marital status, and village of residence. Frequencies and percentages used 25 records as the denominator. Diagnostic confirmation, deduplication, and validation against the TB register or Sistem Informasi Tuberkulosis (SITB) were verified.

Results : Of 25 recorded cases, 12 occurred in 2025 and 13 during January–October 2026. Most patients were male (60%) and married (64%), while those aged ≤20 years accounted for 32%. Biduk-Biduk recorded the most cases (36%), followed by Teluk Sumbang (20%). These findings support targeted TB education, early detection, contact investigation, and equitable diagnostic access. However, the 2026 count should not be directly compared with the 2025 count to infer increased incidence because the reporting periods differ.

Conclusion/Lesson Learned : These findings provide preliminary information for local TB control planning. Population denominators, screening coverage, and treatment outcomes are needed to guide resource allocation, assess relative risk, and evaluate program effectiveness.

Keyword : Tuberculosis; Case Distribution; Patient Characteristics; Secondary Data; Biduk-Biduk Community Health Center

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