

SWEEP-TB — AI Chest X-Ray Screening Confronts Hidden Tuberculosis on Daru Island, Papua New Guinea

AI in the Public Sector · Good practice · Papua New Guinea

Quality score: 67/100

Evidence strength: Observational / pre–post

Summary

A truck-mounted digital X-ray unit using Delft Imaging's CAD4TB AI software screened 43% of Daru Island's population for tuberculosis, finding 69 confirmed cases — 853 per 100,000 screened — a rare population-wide, AI-assisted TB campaign run by a health authority.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	3/3
Transparency, fairness & accountability	2/3
Transferability / demonstrated replication	2/3
Scalability beyond pilot	1/3
Governance, capability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-14

[Western Provincial Health Authority & Papua New Guinea National TB Program, with the Burnet Institute, University of Papua New Guinea and PNG Institute of Medical Research](#) — accessed 2026-08-14

[BMC Public Health peer-reviewed study](#) — accessed 2026-08-14

[Burnet Institute project page](#) — accessed 2026-08-14

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