

VectorCam — Uganda's AI smartphone tool for malaria vector surveillance

AI in the Public Sector · Good practice · Uganda

Quality score: 53/100

Evidence strength: Moderate

Summary

Developed by Makerere University and Johns Hopkins with Uganda's Ministry of Health, VectorCam uses AI computer vision to identify mosquito species at 90% accuracy via smartphone, enabling real-time malaria vector surveillance across 22 districts in resource-limited settings.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-06-25

[Makerere University School of Public Health / Johns Hopkins Bloomberg School of Public Health / Uganda Ministry of Health](#) — accessed 2026-06-25

[JHU CGDHI: VectorCam Innovation Lauded by Bill Gates](#) — accessed 2026-06-25

[Makerere University: VectorCam Scale-Up Across Uganda](#) — accessed 2026-06-25

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