

UKHSA's Machine-Learning Pilot for Real-Time Winter Health-Care Demand Forecasting

AI in the Public Sector · Good practice · United Kingdom

Quality score: 67/100

Evidence strength: Moderate

Summary

The UK Health Security Agency piloted ML models forecasting NHS 111 calls and A&E; bronchiolitis attendances up to 28 days ahead during winter 2022–23, publishing peer-reviewed results on where the models succeeded and where an atypical season broke them.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-23

[UK Health Security Agency \(UKHSA\)](#) — accessed 2026-08-23

[PLOS One peer-reviewed article](#) — accessed 2026-08-23

[medRxiv preprint](#) — accessed 2026-08-23

Cite this — Evidoria. *UKHSA's Machine-Learning Pilot for Real-Time Winter Health-Care Demand Forecasting*. Persistent ID: 8bc9ba88-8382-4119-8897-b9778e685802.