

Eva — Greece's reinforcement-learning system for targeted COVID-19 border testing

AI in the Public Sector · Good practice · Greece

Quality score: 67/100

Evidence strength: Quasi-experimental

Summary

Greece deployed Eva, a reinforcement-learning system directing COVID-19 tests at high-risk incoming travellers across 40+ border points, detecting 2× more asymptomatic cases than random testing while processing over 40,000 households daily.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-06-21

[Greek Ministry of Civil Protection / Ministry of Tourism](#) — accessed 2026-06-21

[Nature paper \(Bastani et al., 2021\)](#) — accessed 2026-06-21

[INFORMS Wagner Prize case study](#) — accessed 2026-06-21

[AlgorithmWatch: rare success for AI in pandemic](#) — accessed 2026-06-21

[AlgorithmWatch: AI helped Greece reopen borders](#) — accessed 2026-06-21

Cite this — Evidoria. *Eva — Greece's reinforcement-learning system for targeted COVID-19 border testing*. Persistent ID: e4423c52-7235-48ab-9548-fdaf84b072ca.