

AQ54 — Open Air-Quality Sensors Hosted at Abidjan's Pharmacies

City Innovation Library · Good practice · Côte d'Ivoire

Quality score: 52/100

Evidence strength: Descriptive / self-reported

Summary

Abidjan data company data354 and an inter-institutional task force have installed 18-20 open PM2.5 monitors at pharmacies, chosen for reliable power and security, feeding a public dashboard that alerts residents above 30 µg/m3, with EPIC funding to eventually scale across Africa.

Key dimensions

Dimension	Score
Evidence of impact / measured results	1/3
Transferability / demonstrated replication	2/3
Scalability	1/3
Sustainability / continuity	1/3
Innovation	2/3
Inclusiveness / equity	1/3
Multi-stakeholder collaboration	3/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-08-17

data354, with Côte d'Ivoire's Ministry of Environment, Ministry of Health, District Autonome d'Abidjan and the National Pharmacists' Association — accessed 2026-08-17

EPIC Air Quality Fund — Air Quality 54 (AQ54) — accessed 2026-08-17

OpenAQ (Medium) — Data for Good in Côte d'Ivoire — accessed 2026-08-17

Environmental Science: Atmospheres — Temporal variability of PM2.5 in Abidjan and Accra — accessed 2026-08-17

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