VIGIA +

GENEVA HEALTH FORUM 2026

VIGIA+: Strengthening Epidemic Intelligence in Mozambique

ACCEPTED ABSTRACT #29

Digital Transformation of Disease Surveillance in Mozambique: VIGIA+ Implementation Framework to Strengthen Real-Time Public Health Decision-Making

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KEY MESSAGE

VIGIA+ connects routine surveillance, community signals and analytical tools so public health teams can identify investigation priorities earlier.

INTRODUCTION

Surveillance systems generate information for public health action, but fragmented sources, reporting delays and limited integration slow its use.

OBJECTIVE

To present an implementation framework that closes gaps in routine surveillance and strengthens the timely use of information for public health decisions.

METHODS · CONCEPTUAL FRAMEWORK AND PROTOTYPE DEVELOPMENT · MAPUTO CITY

PROCESS DESIGN / 01–04

01 Map workflows
Identify information needs and gaps

02 Engage users
Set priorities with users

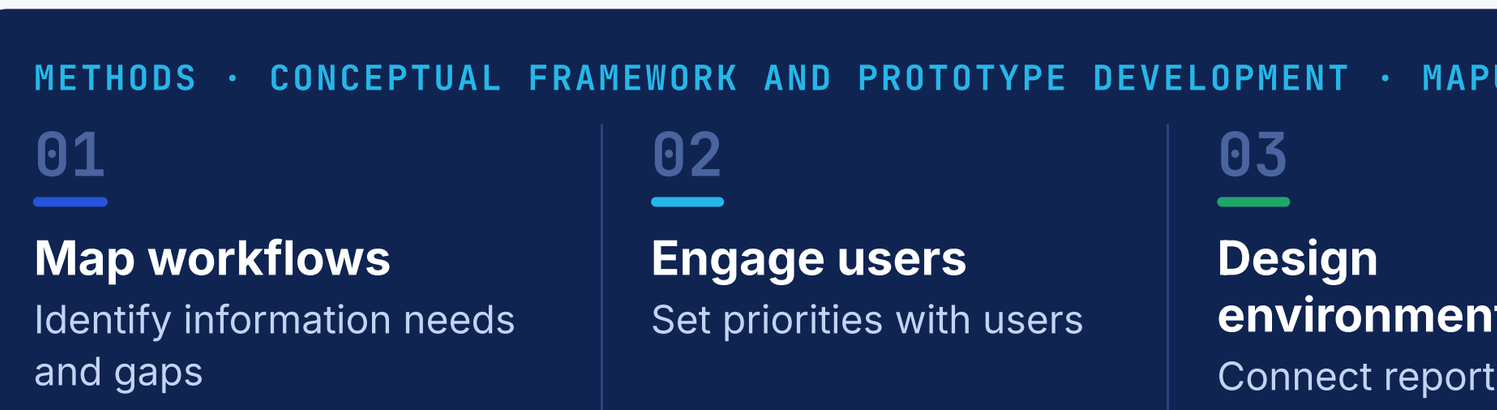
03 Design environment
Connect reporting, visualisation and alerts

04 Validate in practice
Measure timeliness, completeness and usability

SURVEILLANCE PATHWAY / OPERATIONAL LOGIC

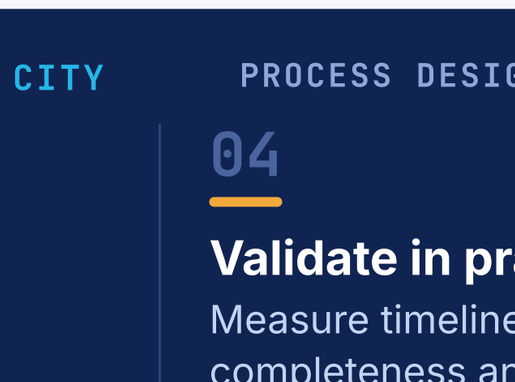
Signals → Integration → Analysis → Triage → Response

RESULTS · PROTOTYPE EVIDENCE



EPIDEMIOLOGICAL COMMAND CENTRE — PROTOTYPE / ILLUSTRATIVE DATA

Situation summary, data quality, alerts and trends



OFFLINE REPORTING

Mobile reporting from local and community actors

RESULTS AND DISCUSSION

The assessment identified opportunities to improve data integration, access to epidemiological information and visual interpretation. The prototype turns these needs into data-quality monitoring, trend analysis, alerts, district risk views and offline reporting. Pilot validation is required before claiming improved surveillance performance.

NEXT VALIDATION · Timeliness · Completeness · Usability · Feasibility · Routine integration

CONCLUSIONS

VIGIA+ offers an implementation pathway connecting surveillance reporting, analysis and early warning in Mozambique.

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INSTITUTIONS

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