The Human Control Tower

Visibility and Analytics Network in Mozambique

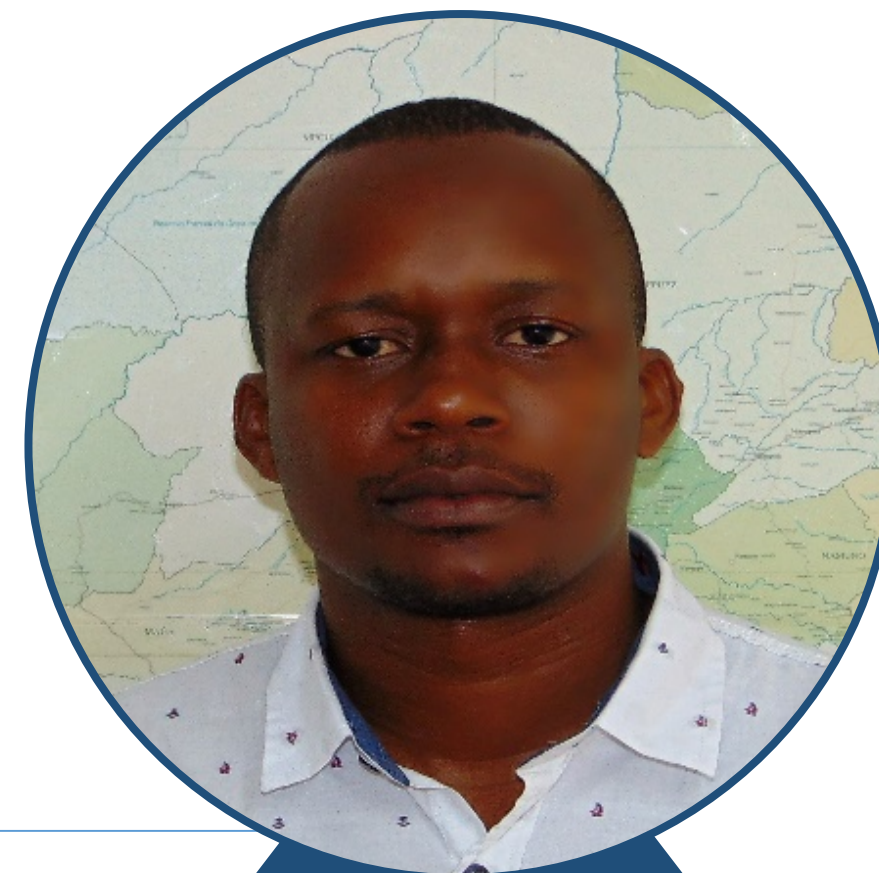**VILLAGEREACH** *Starting at the Last Mile*

Building a Culture of Data Use

The VAN Advisor uses his role to champion VAN principles throughout the supply chain. Working with counterparts throughout the EPI program, the VAN Advisor proposes and supports strategies to create a culture of data use and demand.

The VAN Advisor:
- Builds the internal capacity of the Ministry of Health for data collection and utilization;
- Identifies relevant data sources to triangulate key data points;
- Using data, validates EPI program management and logistics decisions.

Visualize
Know what is happening
e.g. stock consumption levels

Analyze
Process trends
e.g. predict stock requirements per facility

Respond Effectively
e.g. inform distribution teams re: ideal stock

Improve

The VAN Advisor sits at the national level, but influences all levels of the health system.

- Pools together KPIs from diverse data sources
- Ensures systematic data verification through routine meetings to review and analyze EPI data

National Level

- Develops feedback loops for EPI data
- Supports data quality activities

Provincial Level

In the first year, the VAN Advisor focused efforts on the national and provincial levels, with "trickle down" effects to other levels of the health system.

The VAN Advisor builds capacity in lower levels of the health system to institutionalize VAN principles.

District Level

- Supports provinces to identify critical districts to help decision-makers address recommendations
- Boosts data quality improvement through ongoing data quality assessments

Service Delivery Level

- Supervision visits to ensure data quality and provide technical support

Visualizing Data: PAV Dashboard

Providing data on a regular basis and in a digestible way allows decision-makers to make timely, informed adjustments to the immunization supply chain. The VAN Advisor is developing an integrated dashboard that:

- Integrates data from multiple sources in a single view.
- Monitors KPIs on a monthly cycle.
- Accumulates data over time to provide a view of time-bound trends.
- Provides a discussion tool for key stakeholders to analyze and utilize data.

PAV Dashboard

- ● Top Performing KPI — ⇧ Performance Improving
- ● Average Performing KPI — ⇔ Performance Declining
- ● Failing KPI — ⇩ Performance Staying about the same

Coberturas — Veja os detalhes

	Posterior	Corrente	Score	Progress
BCG	99.0%	80.0%	●	⇔
Polio3	77.0%	93.0%	●	⇧
PCV3	94.0%	95.0%	●	⇧
DPT3	95%	98%	●	⇔
Sarampo1	94.0%	93.0%	●	⇔
Rota2	93.0%	90.0%	●	⇩
CCV	87.0%	85.0%	●	⇩

Ruptura de Stock — Veja os detalhes

	Posterior	Corrente	Score	Progress
BCG	6.0%	6.0%	●	⇔
OPV	14%	21.0%	●	⇧
IPV	21.0%	17.0%	●	⇩
PCV	7%	5%	●	⇩
Penta	5.0%	6.0%	●	⇧
Rota	11.0%	9.0%	●	⇧
Sarampo	4.0%	6.0%	●	⇩

Funcionamento da Caeia de Fio — Veja os detalhes

	Posterior	Corrente	Score	Progress
Tete	50.0%	46.0%	●	⇩
Niassa	56.58%	51.00%	●	⇩
Gaza	38.1%	35.0%	●	⇩
Non CT provinces (combined)	0.0%	0.0%		⇔

Indice de Quebra Vacinal — Veja os detalhes

	Posterior	Corrente	Score	Progress
Polio1 to Polio3	14%	18.03%	●	⇧
DTP1 to DTP3	9.89%	9.91%	●	⇧
PCV1 to PCV3	12.00%	11.59%	●	⇩

Forecast Accuracy — Veja os detalhes

	Posterior	Corrente	Score	Progress
BCG	0%	0.00%	●	▱
OPV	0.00%	0.00%	●	▱
IPV	0.00%	0.00%	●	▱
PCV				
Penta				
Rota				
Sarampo				

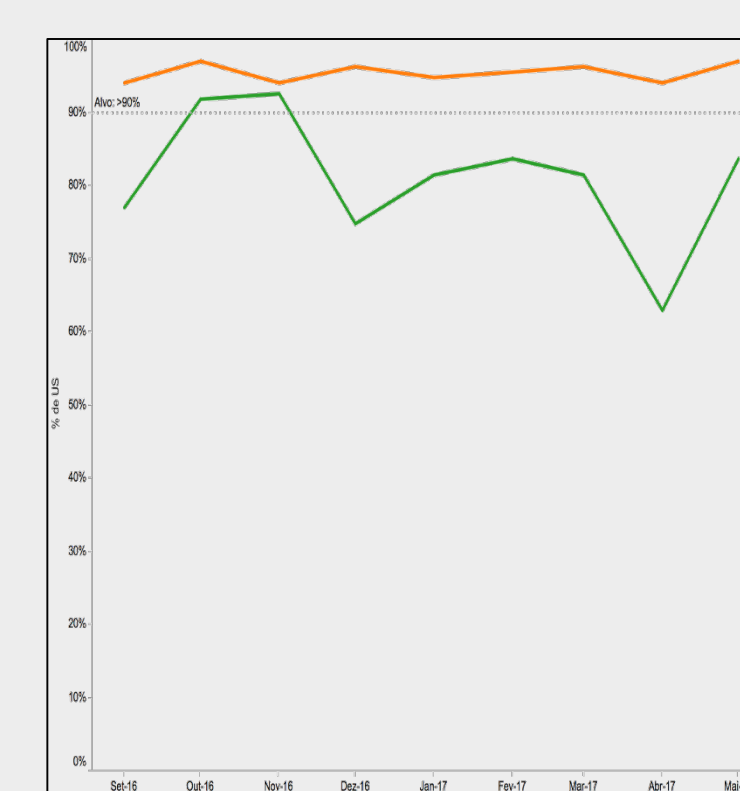Prior Month: 01 August, 2017   Current Month: 01 September, 2017

Niassa Province: A VAN Success Story

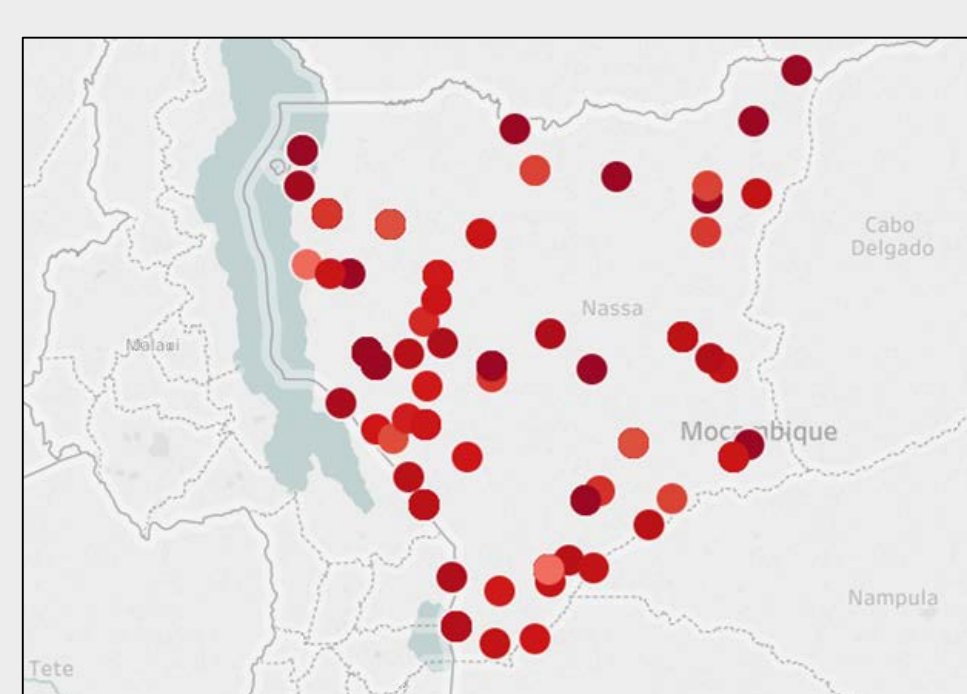Niassa province demonstrates the success of VAN principles for supply chain improvements.

- Population ~2 million
- 16 districts
- 171 health centers
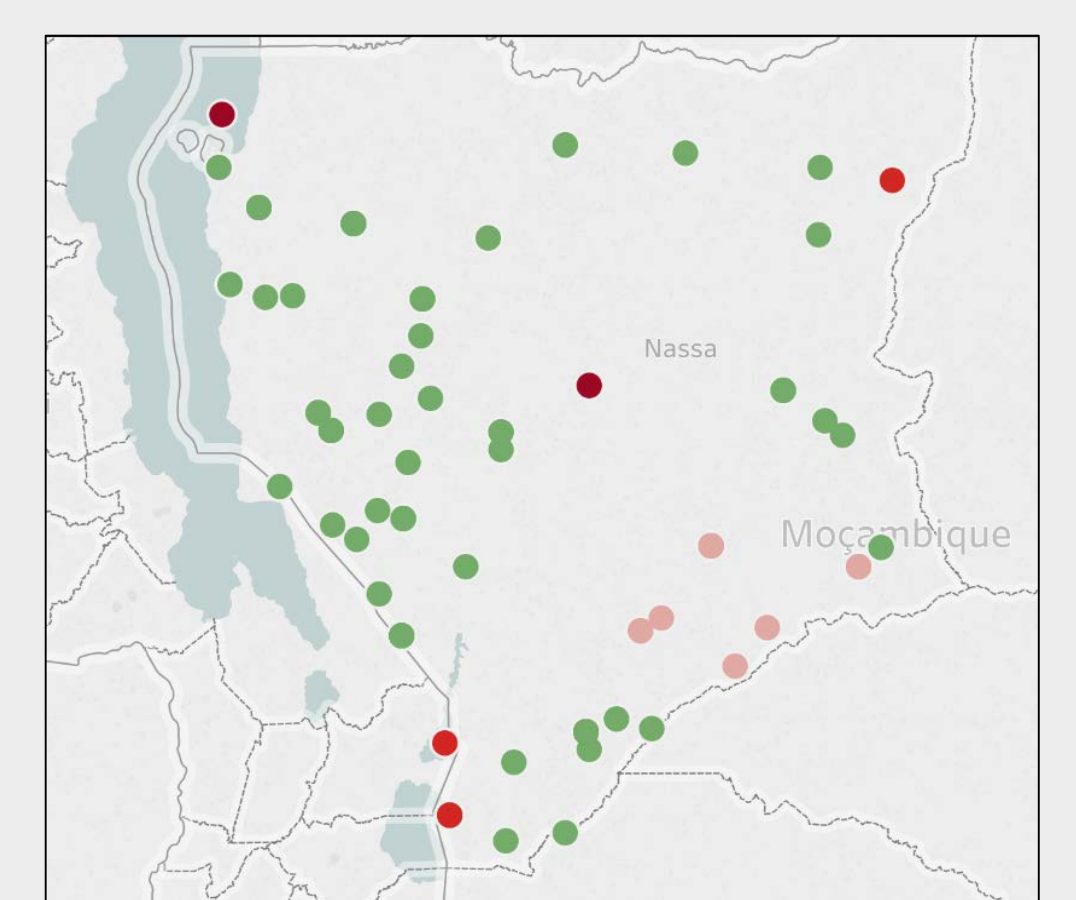- Trucks carrying vaccines travel 4,583km a month on average.

The availability of data was directly related to the health center visits.
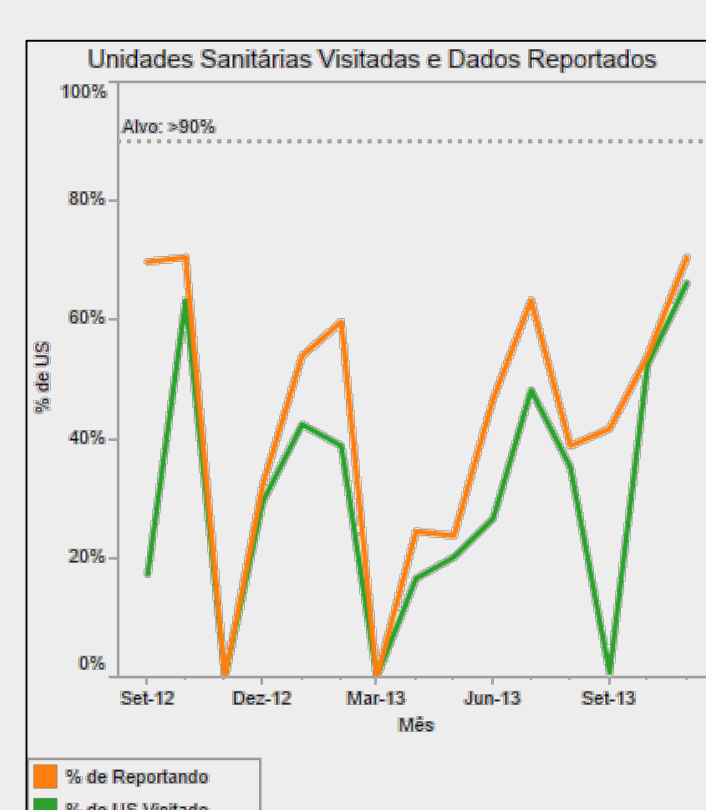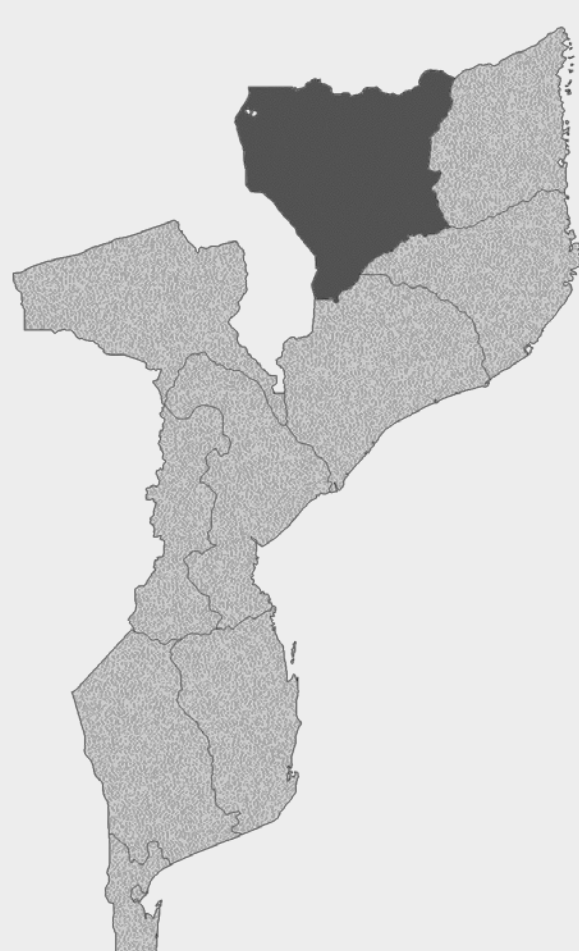
Inconsistent data contributed to low health center performance across the province.

With the introduction of a field coordinator, data availability became more consistent even when health centers were not visited.

Consistent data resulted in health center performance improvement.