

**MINISTRY OF HEALTH** 



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# Title: Enhancing Supply Chain Decision-Making by Improving Data Visibility Through the Creation of a Weekly Tracer Report Dashboard for Medicines and Medical Supplies: A Case of Zambia

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### Background

- Achieving universal health coverage relies heavily on:
- Consistent availability of medicines and supplies.
- Accurate forecasting based on stock, consumption, and distribution data.
- Zambia's electronic logistics management information system (eLMIS): Manages essential medicines and supply data. Facilities report monthly to Zambia Medicines and Medical Supplies Agency (ZAMMSA). Current reporting has concerns: Data on stock availability and consumption is typically reported only Ο monthly. 90% of facilities report by the second week of the following month, causing Ο delays. Reporting delays impact timely decision-making, particularly for addressing low stocks or stockouts. The National Supply Chain Coordination Unit developed weekly tracer tools and a Power BI dashboard which provide real-time insights into stock levels, enabling swift action to balance supplies and prevent shortages across Zambia's health facilities.

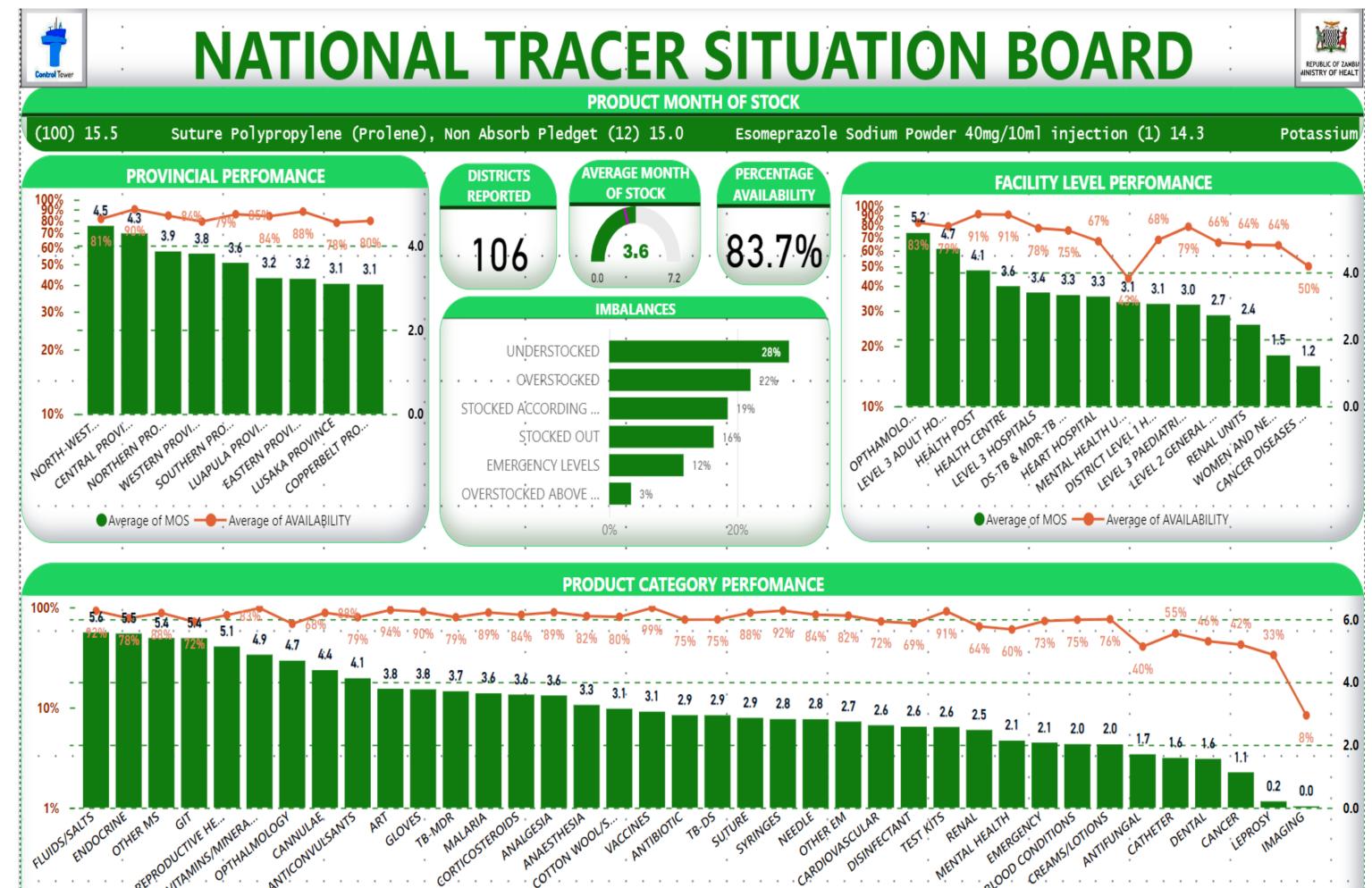
### Results

- Dashboard has enhanced visibility of stock levels for supervisors and staff managing supplies.
- Improved Commodity Availability:
- Copperbelt: 76% to 83%

### Aim

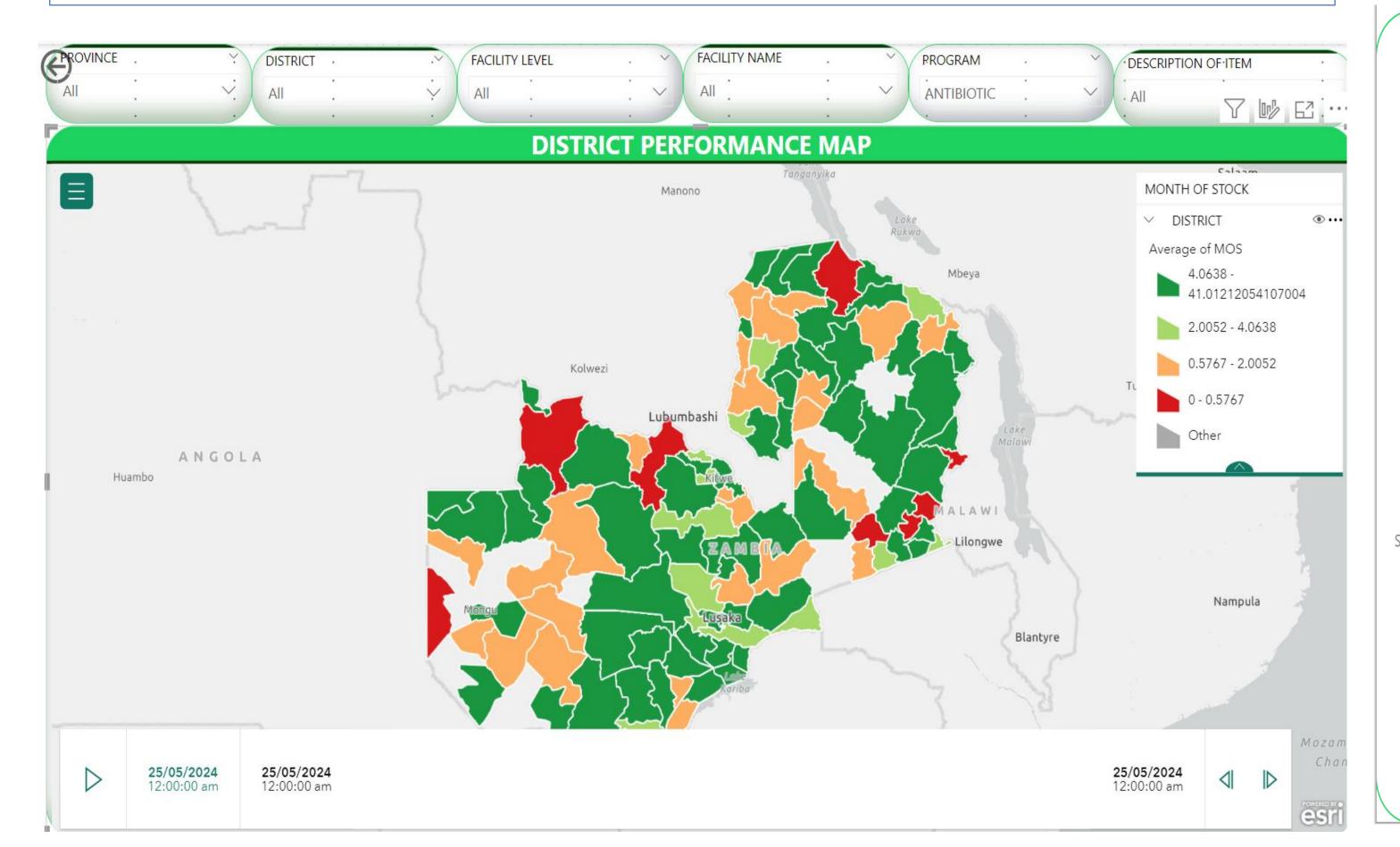
To enhance supply chain decision-making by offering weekly visibility of medicine and supply stock levels in health facilities, improving availability and minimizing wastage from expiries.

- Luapula: 73% to 83%
- Lusaka: 72% to 78%
- Improved high-level monitoring for senior management



### Methodology

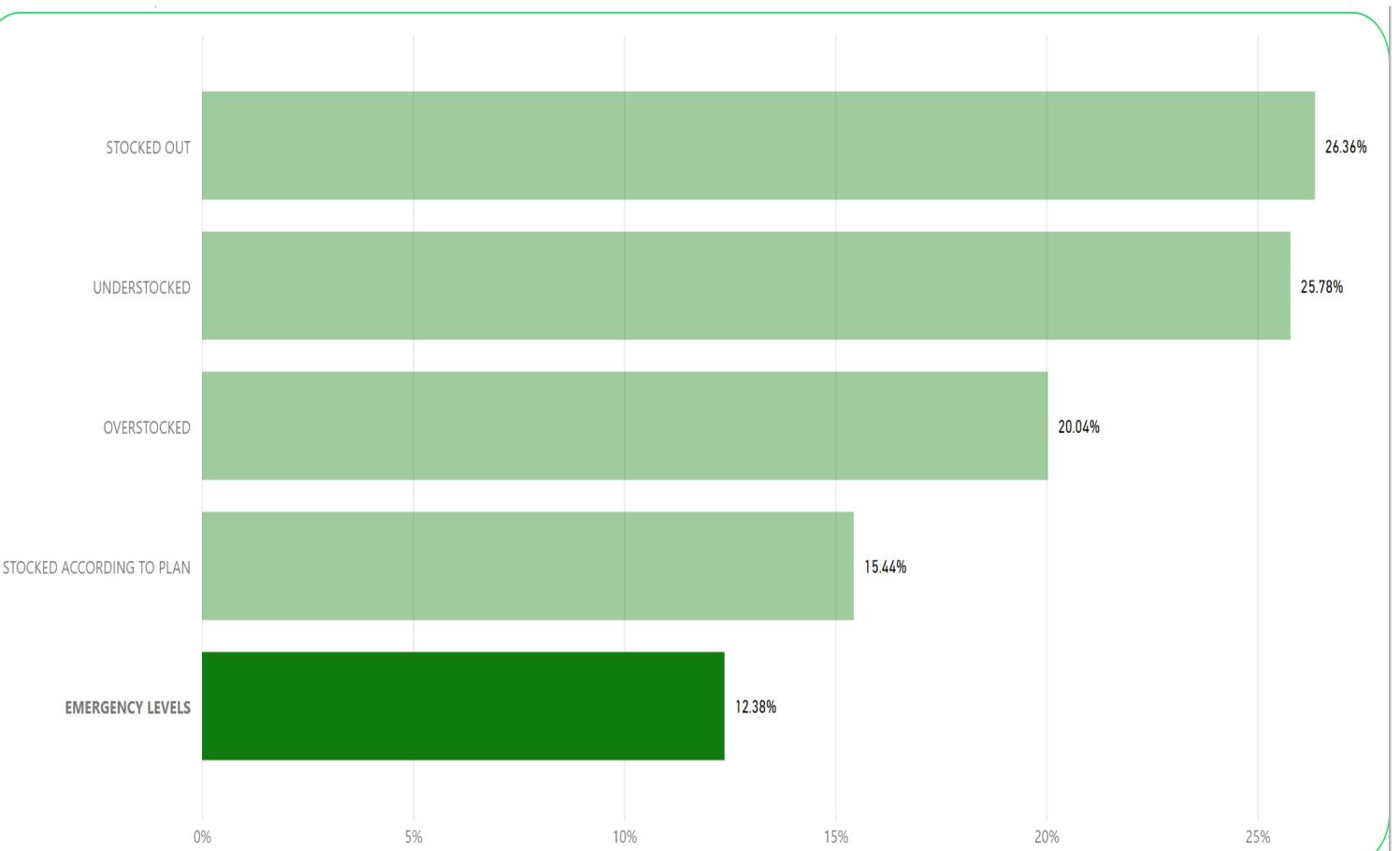
- Weekly data gathered from 1,600+ facilities (50% of national facilities) using Standardized excel spreadsheet template.
- Data is analyzed through Power BI dashboards developed by the Control Tower
- Comprehensive weekly reports generated and shared with provincial and district supervisors



### Average of MOS — Average of AVAILABILITY

#### **Fig 2: National Tracer Situation Board**

The national tracer situation board shows a summary of the stock availability, product category performances, provincial stock availability, stock imbalances and facility level performance.



### **Conclusion:**

• The dashboard improves visibility and timely decision-making, boosting product availability and reducing expiries through redistribution, which supports progress toward universal health coverage

### **Recommendation:**

• Expand the dashboard to include all health facilities nationwide, ensuring timely decision-making and a responsive medicines supply chain at every level

## **Partners & Collaborators**



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