



**GLOBAL
HEALTH**
SUPPLY CHAIN SUMMIT



Open Supply Chain Information System Essential for Government Ownership & Sustainability

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Open Information Systems and Expertise in Governments

- **Smart Zambia Institute (SZI) Information Systems** requirements:
 - Country owned and sustained
 - Open design and run on open platforms
- AIDSFree project and its predecessor USAID | DELIVER PROJECT & Supply Chain Management System (SCMS) Projects, collaborated with MOH to design the open source solution:
 - Design addressed existing supply chain challenges and deployment in low resource settings therefore strengthening High Impact Intervention
 - The project's long-term goal includes building IS expertise within the MOH to ensure sustainability.
- **Electronic Logistics Management Information System (eLMIS)** recently adopted as the national system for managing supply chain for public health commodities inline with SZI guidance:



Sustainable Methods of MOH Involvement and Measurement Criteria

- The project developed a sustainability strategy in the area of governance; open software development life cycle; implementation; maintenance and support; and data use.
- Attainment of this strategy has been measured on a sustainability continuum spanning over a 10-12 year period.



- Partner Lead (2012 – 2014) > Partner Lead / Government Support (2015 – 2019) > Government Lead / Partner Support (2020 – 2024) > Government Lead (2024 onward).



eLMIS Project Results

- The project continues to make significant progress in the sustainability continuum using a phased approach.
- Governance:
 - Financing, management, and information systems expertise are still led by USAID and AIDSFree
 - Government at district-level have made provisions in the 2019 budget to pay for internet cost at facilities installed with eLMIS
 - At facility-level, running of eLMIS has been built in to the routine operations of facility staff
- Software development:
 - The project is currently using its technical capacity to develop and maintain the software while at the same time advocating with MOH to identify or recruit information systems expertise within the institution



eLMIS project results cont.

- Implementation:
 - AIDSFree has led most implementation activities at health facilities with increased MOH support
 - In August and September 2018, 5/30 and 15/25 facilities respectively were implemented by MOH staff with AIDSFree only providing logistical support
- Maintenance and support:
 - In 2017, software upgrades in over 100 health facilities was undertaken by University students and MOH staff
 - MOH staff are providing Tier 1 (basic) system support within their districts
- Data Use:
 - Central forecasting exercises, and MOH staff at all levels are using logistics data in the system to avert stock-outs, overstocking and expiries at health facilities.



Conclusions

- With donor countries re-examining their foreign aid commitments, strategies geared towards building expertise in MOH staff to sustain open source information systems are important.
- Continuous transfer of information systems expertise from IP/CP to government institutions demands time and thus must be proactively implemented priority.



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