USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM

Procurement and Supply Management





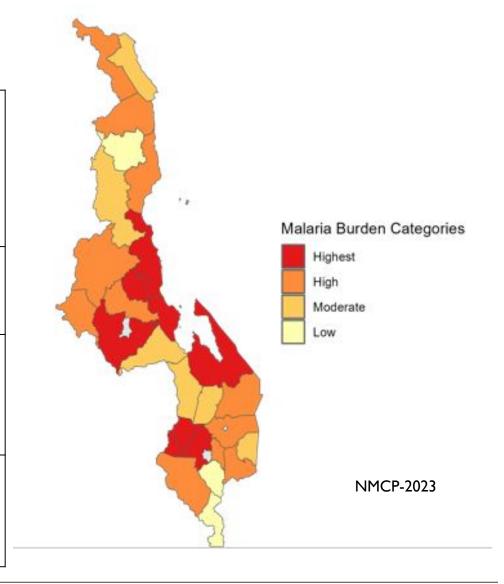




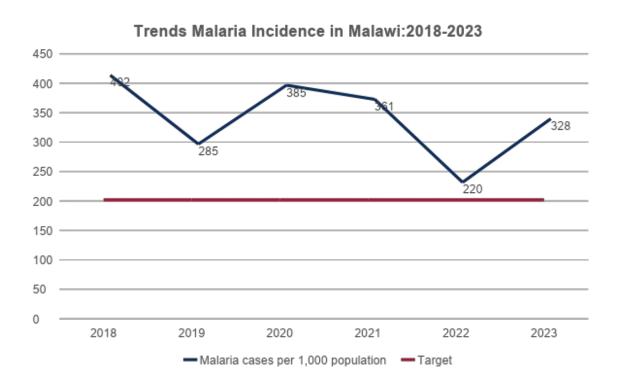


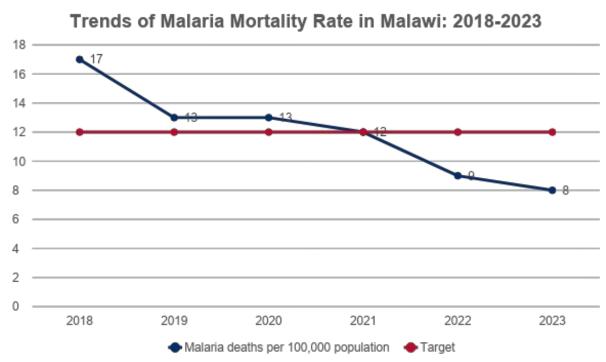
Overview of malaria in Malawi

Malaria cases and deaths	2023: 6.49M cases and 1,670 deaths
	2024 (Jan-June): 5.98M cases and 2,760 deaths
Malaria incidence	2023: 328 cases per 1,000 population (49% ↑ from 2022)
Outpatient visits and hospitalizations due to malaria	2023: 25% of outpatient visits, 10% of hospitalizations
Malaria mortality rate	2018: 17 per 100,000
	2023: 8 per 100,000



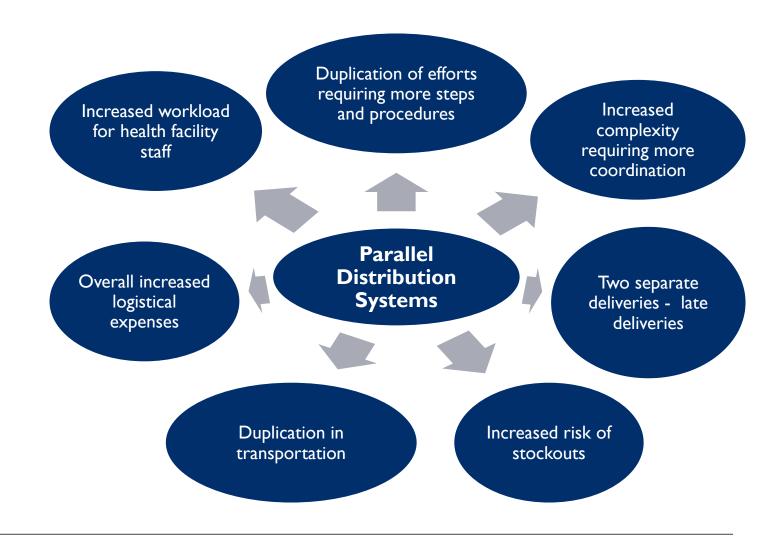
Overview of malaria in Malawi... (Cont'd)





Malaria commodities distribution challenges

- Primarily funded by the U.S.
 President's Malaria Initiative
 (PMI) and the Global Fund
 (GF)
- Commodities from the two sources were warehoused and distributed separately
- Separate distribution systems created significant logistical challenges



Integration of distribution systems

Stakeholder Engagement and **Agreement**:

The National Malaria Control
Program (NMCP), USAID Global
Health Supply Chain
Program-Procurement and Supply
Management (GHSC-PSM)
project, and the Ministry of
Health-Project Implementation
Unit (MOH-PIU) collaborated to
address distribution inefficiencies.

MoU Signed in 2022:

Formalized the **launch of the integrated distribution** mechanism.

Visibility and Coordination:

Improved visibility of warehouse inventory and distribution schedules for better planning and coordination.

Alternating Distribution:

The distribution of commodities alternated **every other month** between the two service providers, reducing operational overlap.

Streamlined Delivery:

The integrated process helped streamline delivery

Key Results of Integration

Reduced Inefficiencies

 Duplication in planning and documentation at NMCP eliminated.

Reduced Delivery Frequency

 Deliveries cut from 18 to 12 per year (12 to 6 for PMI), lowering costs and staff workload.

Improved inventory visibility

 Enhanced coordination of distribution and inventory tracking.

Reduced workload at facility

 Integrated deliveries and simplified documentation reduced staff workload.

Key Metrics

- 30% reduction in distribution costs (\$133,000 annual savings for PMI alone).
- Maintained low stockout rates (<1% for first-line treatments)

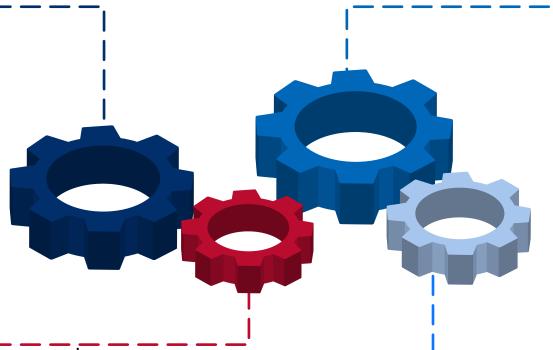
Lessons learned - enabling factors

Significant Cost Savings:

- A 30% reduction in costs achieved through streamlining operations and eliminating redundancies.
- Stakeholder coordination was key in driving these financial efficiencies.

Reduced Workload and Increased Efficiency:

- Deliveries reduced from two per month to one, easing the burden on health facility staff.
- Streamlined documentation further simplified inventory recording, enhancing overall efficiency.



Enhanced Operational Transparency:

- Improved visibility of inventory and distribution schedules enabled better decision-making.
- Accurate data is crucial for optimizing the supply chain and ensuring consistent supply.

Optimized last-mile delivery:

- An integrated system optimized last-mile delivery.
- Valuable insights for similar contexts, especially to optimize limited resources and ensure commodity availability at service delivery points.

Key challenges and considerations for replication of the model

Coordination Between Stakeholders

Aligning the priorities and processes of multiple stakeholders, such as PMI, Global Fund, NMCP, and GHSC-PSM, required significant effort.

Ongoing communication and a shared vision were essential, reinforced by the signing of MoU to formalize roles and responsibilities.

Data and Inventory Management

Ensuring inventory visibility across different stakeholders' warehouses was challenging, especially without physical integration

Regular data sharing between stakeholders is critical for ensuring timely inventory visibility, which improves coordination and distribution efficiency

Operational Delays and Expiry Risks

Receiving bulk stock allocations from other partner; repacking and preparing orders for delivery requires time and additional effort.

Efficient stock tracking prioritizes early-to-expire products, reducing expiry risks and ensuring timely deliveries.

Next steps

- I. Sustaining the Integrated Model: Continue collaboration between stakeholders to ensure long-term sustainability.
- 2. Ongoing Monitoring: Regular tracking of cost savings, operational efficiency, and stockout rates to assess the integrated system's long-term impact.

3. Future Scale-Up:

- Explore opportunities to replicate this integrated approach in other health programs.
- Formalize the integrated distribution model by incorporating it into national health logistics frameworks to ensure adaptability for future funders or partners.
- Consider benchmarking against industry best practices to continuously improve the model,
 with a focus on integrating warehousing and distribution for optimal efficiency in the future.
- 4. Sharing Lessons Learned: Share key lessons from Malawi's experience to help improve supply chain resilience and optimize last-mile delivery in similar settings.

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Thank you.







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The USAID Global Health Supply Chain Program-Procurement and Supply Management (GHSC-PSM) project is funded under USAID Contract No.AID-OAA-I-15-0004. GHSC-PSM connects technical solutions and proven commercial processes to promote efficient and cost-effective health supply chains worldwide. Our goal is to ensure uninterrupted supplies of health commodities to save lives and create a healthier future for all. The project purchases and delivers health commodities, offers comprehensive technical assistance to strengthen national supply chain systems, and provides global supply chain leadership. For more information, visit ghsupplychain.org.

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