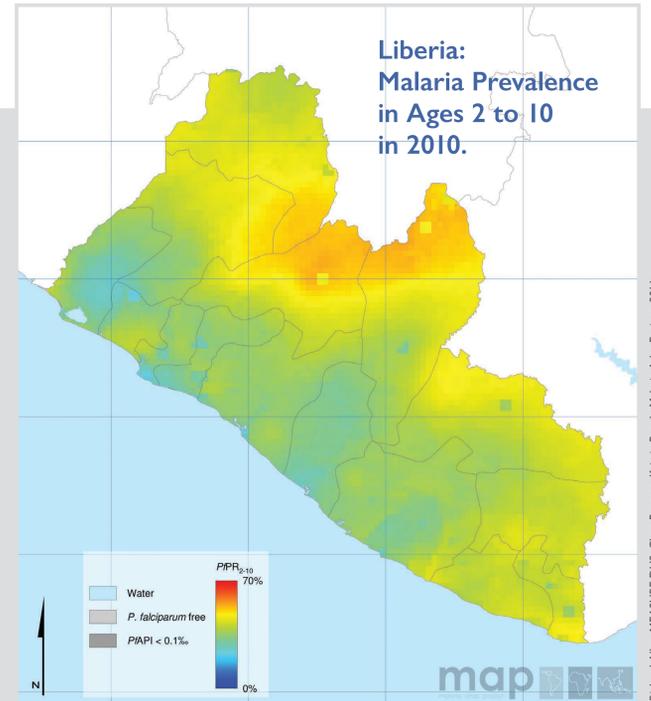


# Transforming Malaria Supply Chains in Liberia to Ensure Product Availability

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Malaria continues to be a serious health risk for Liberia, contributing significantly to the overall burden of disease in the country. Malaria is the leading cause of out-patient attendance and is the number one cause of inpatient deaths. Forty-one percent of deaths in under-fives are attributed to malaria (NMCP 2009).

Products for prevention, diagnosis, and treatment are needed to reduce malaria-related morbidity and mortality.

Malaria programs cannot function without well-designed, well-operated, and well-maintained supply chain systems to manage and move malaria products.

## Methods

Several assessments of the public health supply chain in Liberia highlighted weaknesses that threaten the proper management of, and accountability for, medicines and medical supplies. In response, the Ministry of Health and Social Welfare (MOHSW) began to implement an Interim Approach (IA), including a system to improve accountability during requisition and distribution.

The **USAID | DELIVER PROJECT** supported the **MOHSW** through—

- conception of the IA approach
- conducting a pilot
- implementation
- consistent monitoring of system performance.

**Under the IA, a team—**

- visits each health facility quarterly
- calculates resupply quantities
- provides the required products.

The team also improves accountability during requisition and distribution by comparing issued quantities to received quantities.



## Results

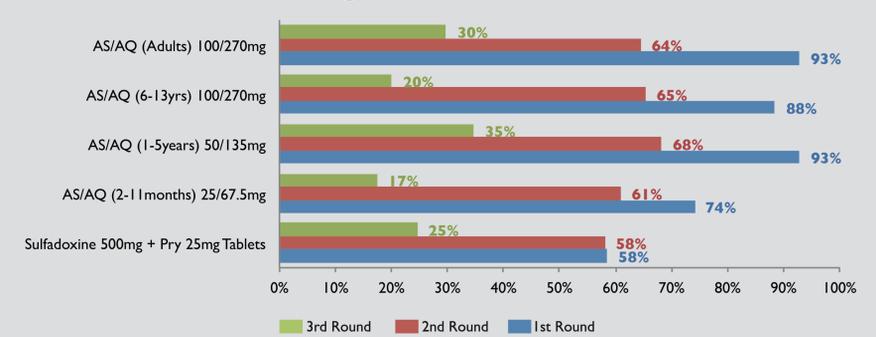
The IA has transformed the public sector supply chain in Liberia, resulting in greater product availability.

### ACT Availability Increased

At the facility level, the availability of ACTs has increased significantly over three rounds of distribution under the IA.



### Stockout Rates Declining Under Each Round of IA



### Accountability for Products from Central Warehouse to County Depots Improved

Since the project and the MOHSW established strict control procedures, the difference between the quantities issued by the central warehouse and quantities received at the county depots has been less than 5%.

### Secure Storage at National Drug Stores in Monrovia Established

A warehousing advisor, who has been seconded to NDS from the project, helps promote the security of products through regular physical inventories and physical security improvements. Physical counts now match the quantities in stock in the warehouse management system.