

Supply Chains for CCM: Preliminary Baseline Results & SC Intervention Areas







SC4CCM Project Goal

SC4CCM will identify, demonstrate, and institutionalize supply chain management practices that improve the availability and use of selected essential health products in community-based programs

 In partnership with MOH, CCM and supply chain stakeholders in Malawi, Ethiopia and Rwanda





Project Objectives

- Conduct a baseline assessment and develop implementation plan
- Test, identify and implement supply chain interventions
- Collaborate with partners to institutionalize improved supply chain practices
- Ensure capacity to procure quality, affordable CCM products
- Share lessons learned

SC4CCM Theory of Change





SC4CCM Core Indicators









Analysis of Product Availability Results by Precondition Malawi, Ethiopia & Rwanda





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Country Contexts

 Community health workers reach children in the most hard to reach areas with a wide variety of geographies



Malawi – **3,000+** HSAs managing up to 19 products

Ethiopia – **30,000+** HEWs managing up to 50+ products

Rwanda – **60,000+** CHWs managing 5-8 products (~ 1/2 doing CCM)



Main Country Level Objective:

CHWs have usable and quality medicines available when needed for appropriate treatment of common childhood illnesses



Product Availability among CHWS

Malawi - of HSAs who manage health products

- 35% had all CCM medicines in stock on the day of visit (cotri, LA1x6 and/or LA2x6, ORS)
- Ethiopia among HEWs who managed
 - 47% had ORS and RUTF in stock on DOV,
 25% had all CCM medicines in stock (ORS, RUTF, ACT 1x6 and/or ACT 2x6)

Rwanda - of CHWs managing child health products

• **49% had all in stock on the day of visit** (ORS, amoxicillin, zinc and both Primos)



PRECONDITION 1: Necessary, usable, quality CCM products are available at CHW resupply point/s

Product availability at the resupply point appears to be strongly linked to product availability at the CHW, but is not the only predictor





Product Availability at the Resupply Is Research & Training Institute, Inc. Point & CHW



Ethiopia









PRECONDITION 2: CHWs, or person responsible for CHW resupply, know how, where, what, when and how much of each product to requisition or resupply and act as needed

Formal SC training did not appear to be a strong driver of product availability

- SC training rates varied across countries:
 - Malawi 59% of HSAs (59%) and ~75% resupply staff
 - Ethiopia 11% HEWs and 8% resupply
 - Rwanda 49% CHWs



PRECONDITION 3: CHWs have adequate storage: correct conditions, security and adequate space

Storage did not appear to be a strong driver of product availability

- Malawi HSAs on average scored high on storage conditions, although score drops as number of products increases
- Ethiopia nearly 40% of HPs did not fulfill any storage conditions; HEWs reported insufficient shelving and using the storeroom for living
- Rwanda CHWs reported that boxes were too small for products, reports & cash; carrying bag not waterproof

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PRECONDITION 4: Goods are routinely transported between resupply points and CHWs





PRECONDITION 5: CHWs are motivated to perform their roles in the CCM supply chain

 Most CHWs reported receiving supervision that includes some SCM on a regular basis

month

2% of HEWs

identified

supervision as a motivating factor

Malawi - 84% HSAs reported receiving a supervisory visit in last 3 months

Ethiopia - 81% HEWs reported receiving a supervisory visit in last month

Rwanda - 59% CHWs reported receiving a supervisory visit in the last

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Supervisors in Rwanda report supervising an average of 88 CHWs each



PRECONDITION 5: CHWs are motivated to perform their roles in the CCM supply chain

- Biggest motivators for CHWs:
 - Malawi
 - helping the community and saving lives
 - Ethiopia
 - training, availability of products / tools and community participation
 - Rwanda
 - social relationships, trust and esteem from neighbors and saving children's lives/help community





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Preliminary Conclusions





General Hypothesis Guiding Selection Training Institute, Inc. of Interventions

Current supply chain practices at CHW level are often an extension of the facility model, and innovative supply chain solutions that target the unique challenges of CHW need to be identified to significantly improve product availability







Malawi Proposed Intervention Strategies

Efficient Product Transport:

Enhanced Management:

- flexible inventory control procedures to align to the routines of the HSA
- more frequent top up orders to reduce the volumes to be transported
- maintain bicycles to improve reliability

- customer service oriented supply chain
- create teams around urgency in maintaining consistent product availability
- improve data visibility and decision making authority/capacity
- recognize good SC performance

Data Visibility:

- automate calculation of resupply quantities
- provide high level decision makers with more accurate data
- facilitate translation of data into regular performance reports



Ethiopia Proposed Intervention

GROUP A: "Ready Lessons" for SC knowledge and

skills

GROUP B: Collaborative SC problem solving. "Finding local solutions together!"

> GROUP C: Supply chain segmentation for improved transportation. "No product left behind!"



Ethiopia Interventions



- Supply Chain Segmentation to Improve Transportation
- Address transportation challenges related to an increasing number of products managed at HPs
- Collaborative SC Problem Solving
- Ensure SC is a priority for HEWs and supervisors, especially during supervision
- Improve collection, sharing and use of data
- Enhance communication and team approach to SC problem solving
- Promote regional / local approaches
- Ready Lessons for Improving SC Knowledge And Skills
- Prioritize logistics as an issue for all partners





Rwanda Proposed Intervention Strategy



Engaging CHWs to Prioritize SC Activities

SMS System: Data-Driven Advance-Orders, Simplified

Standardize Resupply Procedures





- Limited supply chain leadership in public sector in all countries
 - No specific organization responsible for CCM supply chain
- Fragmented supply chains
- Supply chains implicitly lend themselves to perverse incentives
 - Leakage, corruption are chronic issues
- Significant questions about resources and leadership to take successful lessons to scale
- Learning agenda is not popular



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Thank You!



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