





# Enabling regional manufacturing of maternal health products in SSA

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## USP- Our enduring 200-year old mission

Increase the supply of safe, effective medicines, vaccines, and trusted diagnostics. USP strengthens health systems at local, regional, and global levels and delivers end-to-end pharmaceutical services that champion equitable access to quality medical products.



### Assessment of supply of the MH products in sub-Saharan Africa

Efforts to strengthen the supply of the quality-assured products sources should be **strategic**, **market-based** and carried out with **cross-sectional support**.

Landscape Analysis **Goal:** Understand the demand, supply, and local/regional manufacturing of maternal health (MH) products and interventions required to build a more reliable and sustainable supply in Sub-Saharan Africa

Focus Countries: Ethiopia, Kenya, Uganda, Tanzania, Zimbabwe, Nigeria, Ghana, and South Africa

## Products included:

- Oxytocin
- Magnesium sulfate
- Heat-stable carbetocin
- Misoprostol
- Tranexamic acid

- 1. Assess the supply of MH products in SSA.
- 2. Assess the demand from major procurers.
- 3. Identify all reproductive maternal health (RMH) manufacturers and product suppliers in SSA.
- 4. Assess manufacturer capacities, including production capacity, quality assurance systems, regulatory status, and existing customer base.
- 5. Identify the significant gaps and challenges to expanding manufacturing.
- 6. Determine the actions and resources to address gaps and challenges.

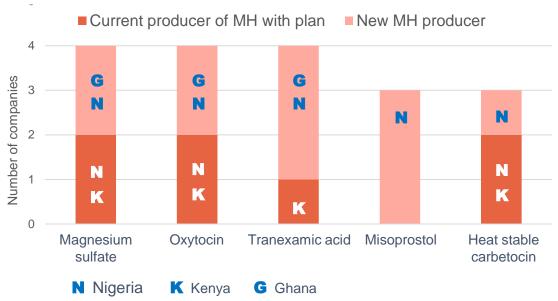
## **Current manufacturing of MH products in SSA**

MH products and countries of production		Strength produce	Annual production capacity
Magnesium sulfate		50% W/V	Approximately 150 million ampules
Misoprostol		200 mcg	800 kg or 4 million tablets
Oxytocin		10 IU/2mL	600 kg
Tranexamic acid		500 mg/2 mL	800 kg or 1,600,000 ampules

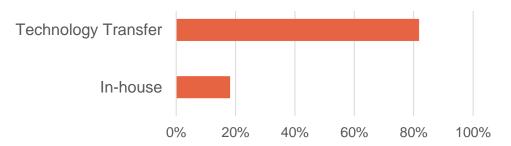
- Main buyers: Public health systems (50% to 100%), pharmacies, and private hospital; No NGO or Donors
- Low utilization rates: from 10% to 60% (median 40%)
- Most batches are produced based on customer order (60% to 100%) and stock inventory
- Two magnesium sulfate manufacturers are currently pursuing WHO-PQ

## Future manufacturing plans in SSA

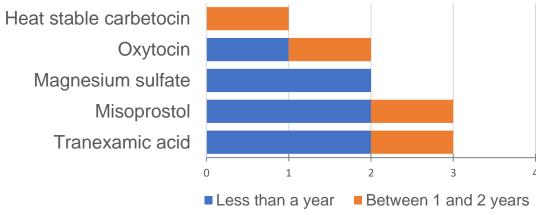
#### MH products the manufacturers plan to produce



#### **Future MH manufacturers reponses**



#### **Timeline for production of MH products**



MH Products	Potential number of manufacturers	
Heat stable carbetocin	3	
Magnesium sulfate	8	
Misoprostol	4	
Oxytocin	5	
Tranexamic acid	5	

## **Challenges of MH manufacturers in SSA**

Challenges impacting manufacturers	Examples of needed intervention (manufacturers' responses)	
Market factors	<ul> <li>Supportive policies and local, regional, and international donors that increase procurements from local producers</li> <li>Access to affordable financing</li> <li>Improved conditions to access regional and continental markets</li> <li>Local policies to support local manufacturers</li> </ul>	
Technical factors	<ul> <li>Access to technology and know-how, including technology transfer opportunities</li> <li>Technical assistance to improve technical capability including capacity for formulation and R&amp;D</li> <li>Technical support toward SRA approval and WHO prequalification</li> </ul>	
Regulatory factors	<ul> <li>Efficient and timely dossier review and approval</li> <li>Regional regulatory harmonization, including harmonization of registration and faster dossier evaluation</li> </ul>	

## **Our Recommendations**

Regulatory	Maintain up-to-date NMRA registered products		
	Improve the consistency of NMRA reporting of key indicators		
	Foster information sharing and sustain efforts towards regional harmonization or convergence		
Regional manufacturing	Diversify the manufacturing footprint across the region		
	Support technical assistance to build capacity		
	Create knowledge sharing platforms		
Procurement	Establish comprehensive market sizing for MH products in SSA		
	Guarantee volume through pooled procurement		
	Prioritize procurement from local manufacturing		

## Framework for regional manufacturing of quality products

Regional manufacturing requires an ecosystem...



Regulatory Systems





Adequate Infrastructure

Incentivizing Policies (e.g.

**Pooled Procurement)** 

Access Technology and Innovation

USP Impacts Supported 66
NRAs including
30 in Africa

Capacity building to improve GMP: 5,4000+ regulators and manufacturers trained

Developed with stakeholders national pharmaceutical & GMP roadmaps, pooled procurement policies

Work with innovators to transfer technology for lifesaving products (40+ tech transfers facilitated)

...and **partnerships** with various stakeholders to advance localize and sustainable regional manufacturing capacity

**Local Partners** 

(Manufacturing organizations, manufacturers, governments, NEPAD, WAHO, AU) Global Health Partners

(USAID, WHO, WB, PATH ...)

**Innovators** 

(Manufacturers, Medicine Patent Pool,..) Improved
Health
Outcomes
for Patients

## Thank You



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