Africa Regional Workshop on Improving Routine Data for Child Health in National Health Information Systems

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Review of Newborn Health Data Elements in HMIS of 24 Countries

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Background

Countries Included: USAID priority countries (except Yemen)
Objectives of the Review

• **To better understand and document** what information on MNH service content and health outcomes is currently included in national HMIS for 24 select USAID priority countries for ending preventable child and maternal mortality

• **Identify gaps and advocate** at the national level for incorporation of new MNH data elements or indicators related to service content and/or health outcomes as part of national HMIS
Methods

Focused on:

- Antenatal care (ANC)
- Labor and delivery (L&D)
- Postnatal care (PNC)

Identified 286 key data elements to review in consultation with USAID
Methods

Collected HMIS forms from 24 countries:

- Partographs
- Facility registers
- Facility monthly/quarterly summary forms

Used standardized data abstraction template

Multiple rounds of data quality assurance
Newborn-Related Findings
Findings

Essential newborn care

• *Breastfeeding within one hour* is a data element that is often present in L&D registers, N=15

• *Chlorhexidine use*: Bangladesh, Nepal and Madagascar

• *Immediate skin to skin*: Bangladesh, Haiti, Mozambique, Rwanda and Uganda
Emergency Newborn Care

Countries reporting on **Asphyxia diagnosis and treatment**, N= 14

Only 6 countries record both asphyxia **diagnosis** & **provision** of neonatal resuscitation

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<th>Countries</th>
<th>Asphyxia diagnosed</th>
<th>Resuscitation provided</th>
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<td>Bangladesh</td>
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R=Register
S=Summary form
RS=Both register and summary
Postnatal Care

PNC in 2 days, $N=12$

- R 64%
- S 27%
- R S 9%

PNC in 3 days, $N=10$

- R 80%
- S 10%
- R S 10%

PNC in 7-14 days, $N=13$

- R 82%
- S 9%
- R S 9%

PNC is commonly recorded in registers

R=Register
S=Summary form
RS=Both register and summary
Prematurity

• Low birth weight is the most common newborn complication in country summary forms, **N=11**

• Referral specified for KMC in **Malawi, Nigeria and Rwanda** (register or summary form)

• KMC follow up after discharge: **Ethiopia, Haiti, Nigeria, Rwanda and Tanzania** (register or summary form)
Sepsis Management

Only DRC records antibiotic use for sepsis management in maternity register
Stillbirth

The majority of the countries (N=16) reported on stillbirth disaggregated by Fresh and Macerated.
Facility-based Newborn Mortality

Countries that report on newborn deaths at facilities within 28 days of birth
Countries that report on newborn deaths at facilities within 7 days of birth
Where to Find More Findings and Resources:
http://www.mcsprogram.org/resource/hmis-review/
Thank You

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