

October
2022

MPDSR Community of Practice and National Data Use Approach: experiences from Uganda

Presentation for WHO TWG on MPDSR, Oct 26 – 28, 2022

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MNCH ACTIVITY OVERVIEW



The USAID Maternal Child Health and Nutrition (MCHN) Activity: 5 year program (2019 – 2024) to improve MNCH and nutrition outcomes in Uganda



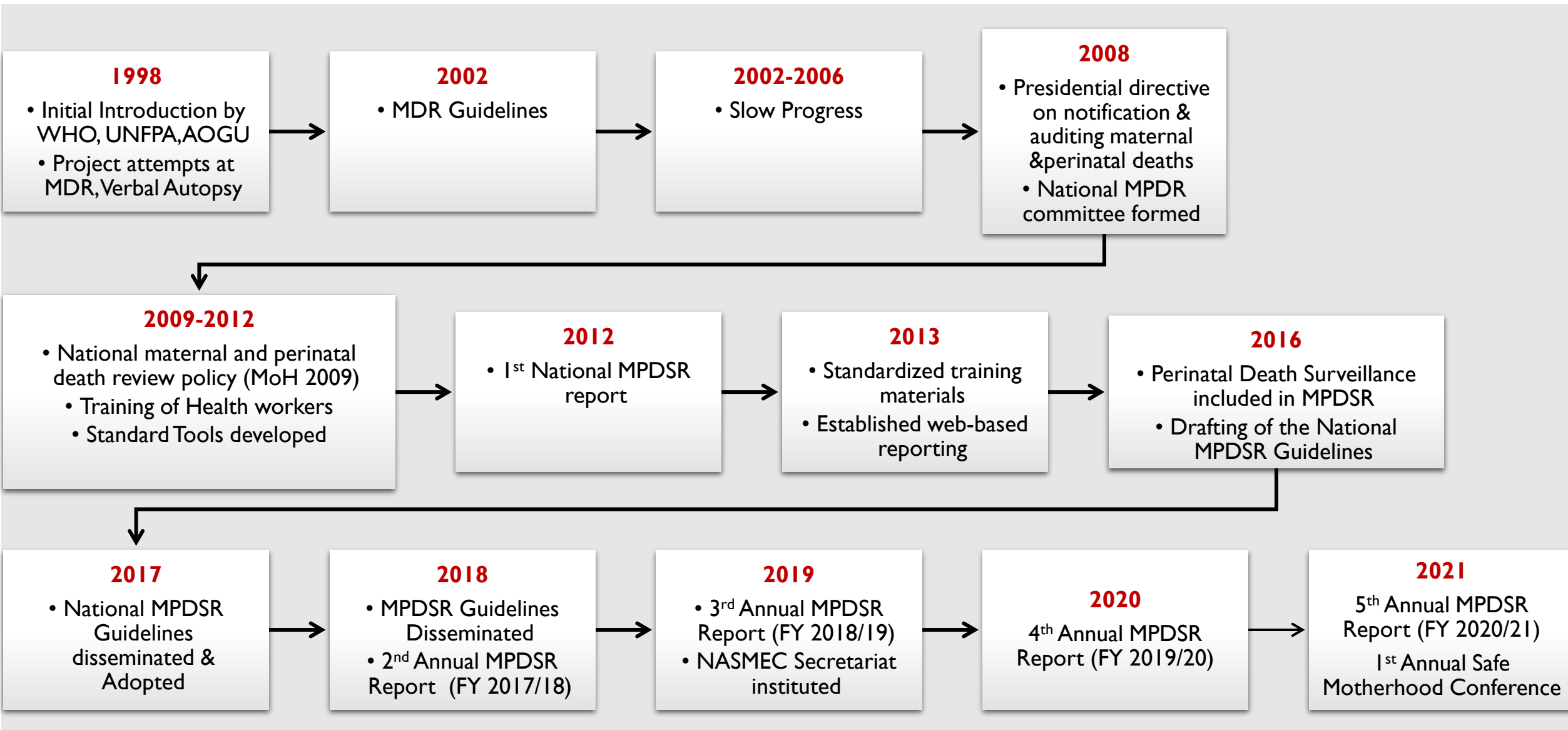
Purpose: Support GoU to cascade policies, guidelines, standards, data use and implementation strategies for improved MNCH and nutrition service delivery



MCHN Activity closely collaborates with GoU to support and leverage efforts to improve MNCH outcomes through:

- ✓ *Implementation of priority high-impact interventions and practices (e.g., MPDSR),*
- ✓ *increasing use of data for planning, decision making and learning*

MPDSR History in Uganda



Uganda MCHN's work on MPDSR

Established CoP for MPDSR (over 650 people get weekly data digests)

- Weekly reports to MOH on MPDSR findings; open to stakeholders

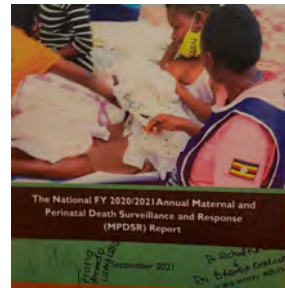
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National MPDSR
Weekly Reports
Disseminated



78

MPDSR Weekly
Interactive Dashboards



58

MPDSR Data
Visualization Summaries



Uganda MCHN's work on MPDSR

1

Email-based summaries

From August 2020

- Present information from DHIS2 using interactive Excel dashboard
- MPDSR data summaries, sent out to only USAID IPs

2

Key Highlights Report

December 2020- March 2021

- Collated Feedback from IPs
- Added graphic summaries (Including GIS maps)

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MoH-RHI Collaboration

March 2021-To-date

- Weekly graphic summary presentations
- Multi-sectoral Stakeholder MPDSR Visual & Graphic summaries
- Dissemination expands to National Level

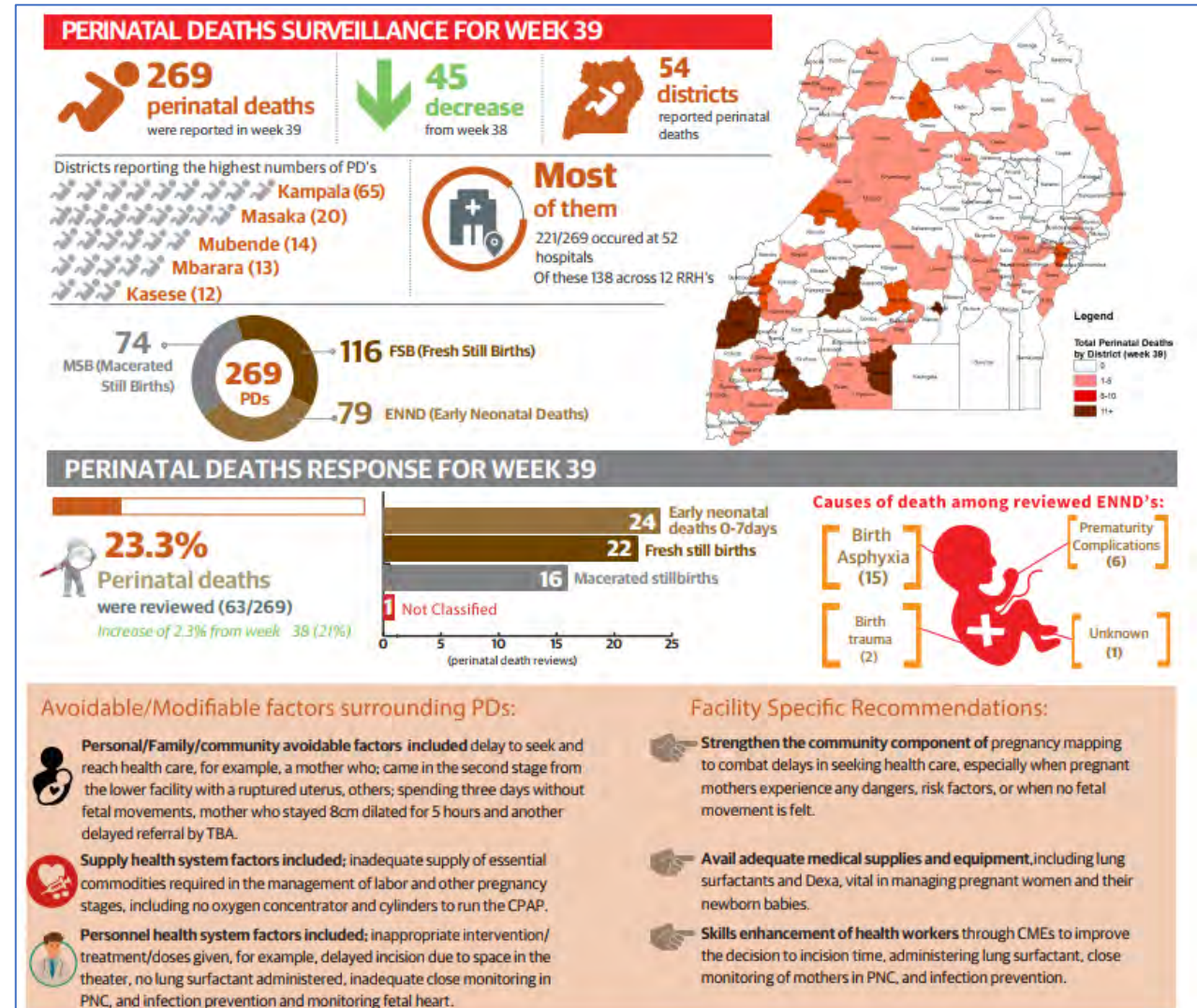
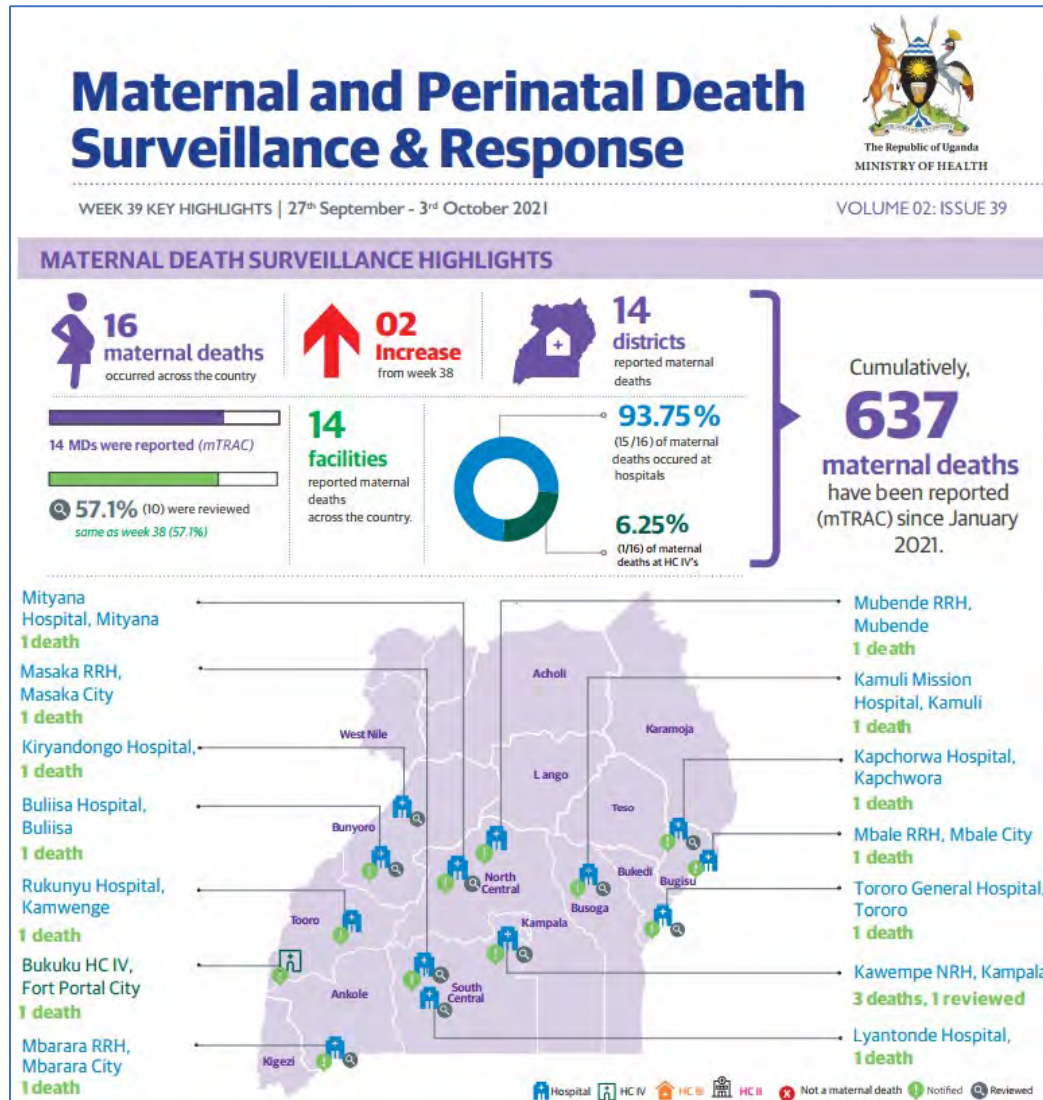
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Targeted Implementation

April 2021-To-date

- “Response” strengthened through weekly data-driven calls to facilities by MOH
- Develop & share weekly deliverables (dashboards, reports, minutes, actions, presentations)

Examples: MPDSR Weekly Summary Report



Example: MPDSR Weekly Detailed Report & Dashboard

Detailed Weekly MPDSR report with Qualitative Data

Interactive Dashboard with Facility Specific Data on MPDSR

(27th September – 3rd October 2021)



WEEK 39 HIGHLIGHTS

Volume 02 : Issue 39

Maternal Deaths (27th September – 3rd October 2021, Week 39)

Week 39: Maternal Deaths Surveillance Highlights

- There are a cumulative total of **637 maternal deaths (MDs)** since January 2021.
- 16 MDs** were reported across the country in Week 39. This is a decrease by 02 MDs from the number reported in Week 38.
- The MDs in Week 39 occurred in **14 facilities**: 03 in Kawempe Regional Referral Hospital and 13 MDs (one MD each) in 13 other facilities across the country.
- 14 districts** reported maternal deaths in Week 39.
- Of the **16 confirmed MDs**, **93.75% (15/16)** occurred at hospitals and **6.25% (01/16)** at HC IV.
- 14 MDs** were notified across the country, and **all were confirmed as MDs**. Among the confirmed MDs, **57.1% MDs (08/14)** were reviewed.

Week 39: Maternal Deaths Notified in Uganda by District



NOTE The graphs, tables and maps summarize deaths, actions and recommendations as reported into *mtrack*, notified in DHIS2 event notification forms, and reviewed by the health facility based MPDSR committees. Discrepancies between reported and notified deaths reflect gaps in data accuracy and require strengthening in data capture and timeliness. Discrepancies between notified deaths and reviewed deaths reflect facility-specific challenges in conducting timely MPDSR reviews and require strengthening in prioritizing timely reviews.

Maternal Deaths Reported, Notified, and Reviewed – Week 39

MoH Region	District	Health Facility	Facility Level	Deaths Reported	Deaths Notified	Deaths Reviewed
Kampala	Kampala	Kawempe National Referral Hospital	Hospital	3	3	1
Bugisu	Mbale	Mbale Regional Referral Hospital	Hospital	1	1	Not Reviewed
Bukedi	Tororo	Tororo Hospital	Hospital	1	1	1
North Central	Mityana	Mityana Hospital	Hospital	1	1	1
Tooro	Kabarole	Bukuku HC IV	HC IV	1	1	Not Reviewed
South Central	Masaka	Masaka Regional Referral Hospital	Hospital	1	1	1
Bunyoro	Bulisa	Bulisa Hospital	Hospital	1	1	1
Ankole	Mbarara	Mbarara Regional Referral Hospital	Hospital	1	1	1
Busoga	Kamuli	Kamuli Mission Hospital	Hospital	1	1	1
North Central	Mubende	Mubende Regional Referral Hospital	Hospital	1	1	Not Reviewed
Tooro	Kanyemwe	Rukungu Hospital	Hospital	1	1	Not Reviewed

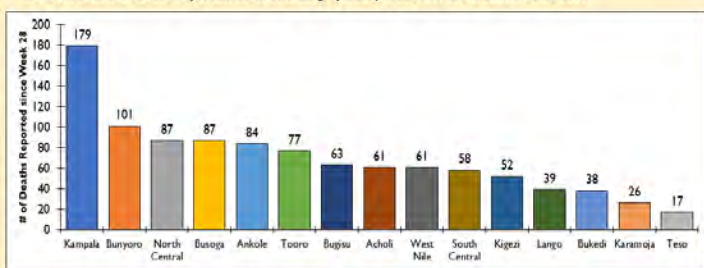
Maternal & Perinatal Death - Deep Dives



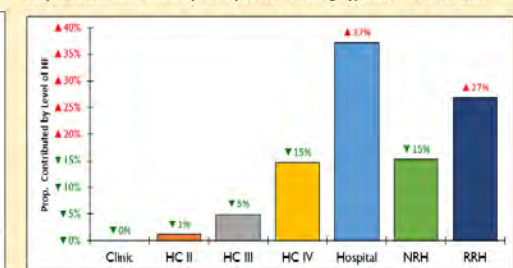
Table Showing Weekly Maternal and Perinatal Death Notifications by District and Facility from July 2020 - Sept 2021 WK39

Year	Wk	Region	District	Health Facility	Maternal deaths	Macrosized still births	Fresh still Birth	Early Neonatal deaths	Perinatal Deaths
2021	W38	Acholi	Gulu	Gulu Regional Referral Hospital	0	1	2	1	4
2021	W39	Acholi	Gulu	St. Mary's Labeor Hospital	0	2	2	1	5

Total # Maternal Deaths reported from WK 28 (July 2020) - WK 39, 27/09/2021 - 03/10/2021



Prop. of Maternal Deaths by facility level - WK28 (July) 2020 to WK39, 2021



PERINATAL DEATHS - WEEK 39, 27TH SEPT 2021 - 3rd OCT 2021

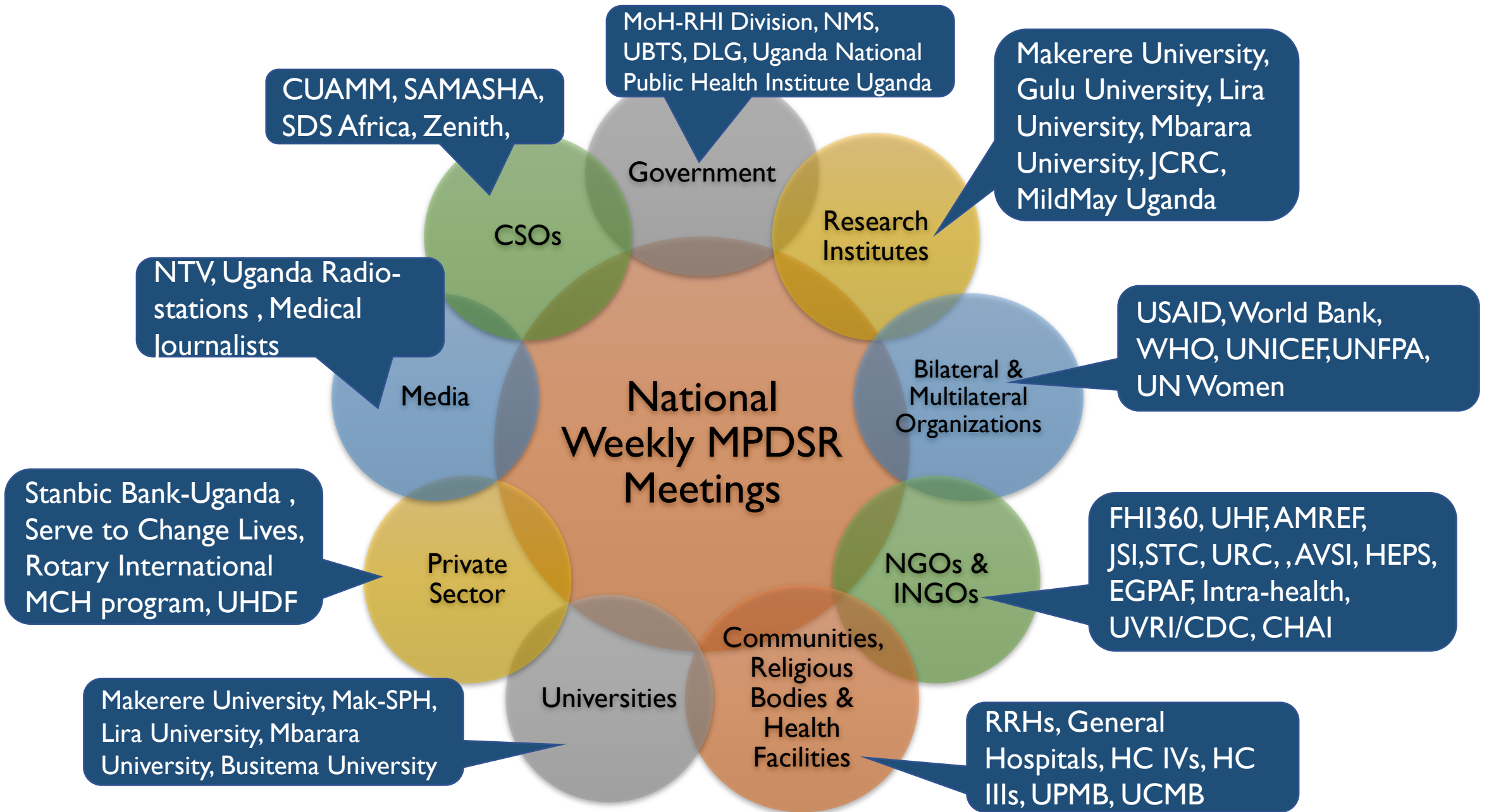
Total Perinatal Deaths Notified from WK 28 (July 2020) -WK 39, 27/09/2021 - 03/10/2021



Where Perinatal Deaths Occurred in - WK 39, 27/09/2021 - 03/10/2021

Region	Total Perinatal and Neonatal Deaths	Perinatal and Neonatal Deaths, Disaggregated by Timing		
		Macrosized Still Births (MSB)	Fresh Still Births (FSB)	Early Neonatal Deaths (END)
Acholi	12	2	5	4
Ankole	29	7	17	5
Bugisu	10	2	8	0
Bukedi	15	7	7	1
Bunyoro	12	4	6	2

Stakeholder Collaboration



Sample actions: National MPDSR Committee

Actions	Details
<ul style="list-style-type: none">• Backlog of Death Audits• Blood transfusion services• Inclusion of anaesthetists in MPDSR meetings• Fast track finalization of National Confidential Inquiry Guidelines• Mentorship from RRHs to Lower Facilities	<ul style="list-style-type: none">• MOH requested District Health authorities to follow up and support health facilities with pending death reviews and capture the reports into the DHIS-2 Events Report App. Pending reviews for maternal deaths have been reduced• Expedited functionalization of Kabale Blood Collection and Distribution Center by providing a blood refrigerator and configuring the computerized blood tracking system; blood bank fully functionalized as of February 2022.• MOH resolved to include anaesthetists and anaesthesiologists in ongoing clinical mentorships and the weekly MPDSR meetings in January 2022• The Commissioner and the MOH pushing for approval in January 2022 following stakeholder meetings.• Hoima RRH conducted a mentorship visit in February 2022 to Kiryandongo Hospital to launch the Newborn Intensive Care Unit.

RESPONSE: Selected actions and recommendations from national MPDSR committee

MPDSR responses

- **Backlog of death audits:** MOH requested the Assistant District Health Officers (ADHOs) for MCH to follow up and support health facilities with pending death reviews to clear the backlog and capture the reports into the DHIS-2 Events Report App. Pending reviews for maternal deaths have been reduced from eight per week in January 2022 to three per week in March 2022.
- **Timeliness of death audits among the 14 regional rural hospitals (RRHs):** Timeliness of maternal death reviews has improved with a decrease from 43% (6/14) late in January 2022 to 14% (2/14) late in March 2022. Timely audits of perinatal death reviews are still lagging but have generally improved nationally: from 15% in January 2022 to 29% in March 2022.
- **Blood transfusion services:** MOH expedited functionalization of Kabale Blood Collection and Distribution Center by providing a blood refrigerator and configuring the computerized blood tracking system. The blood bank has been fully functionalized as of February 2022.
- **Functionalization of Comprehensive Emergency Obstetric and Neonatal Care (CEmONC) facilities:** The Permanent Secretary supports the revitalization of HC IVs in January 2022 to further improve the functionality of health centers, and 10 health facilities were supported by the NMS and partners in six regions (Bunyoro, Karamoja, Tooro, Bukedi, North Central, and Kampala) to improve functionality of CEmONC services.
- **Functionalize Newborn Intensive Care Units (NICUs) and Special Care Units (SCUs) in Mityana District:** The Newborn Steering Committee working with partner to set up NICUs/SCUs in four health facilities in February 2022.
- **Mentorship from RRHs to Lower Facilities:** Hoima RRH conducted a mentorship visit in February 2022 to Kiryandongo Hospital to launch the Newborn Intensive Care Unit.
- **Inclusion of anaesthetists in mentorships and MPDSR meetings:** MOH resolved to include anaesthetists and anaesthesiologists in clinical mentorships and weekly MPDSR meetings in January 2022. Since then, 10 anaesthesiologists and seven anaesthetists have registered their attendance at the weekly MPDSR meetings.
- **Fast-track the finalization of the National Confidential Inquiry Guidelines:** The Commissioner and the MOH requested convening of stakeholders to provide input to the guideline before pushing for its approval in January 2022.

Thanks for listening!