



# मातृ तथा पेरिनेटल मृत्यु निगरानी तथा प्रतिकार्य

## Maternal & Perinatal Death Surveillance and Response [MPDSR]

### -Monitoring and Evaluation-



नेपाल सरकार  
स्वास्थ्य मन्त्रालय  
स्वास्थ्य सेवा विभाग  
परिवार स्वास्थ्य महाशाखा





# Objectives

By the end of this session, participants will be able to:

- Describe importance of monitoring MPDSR process and using the data in improving quality of care
- Analyze & interpret maternal and perinatal death data
- Use MPDSR data/information to produce local solutions to the root causes of maternal and perinatal deaths
- Understand the role of monitoring of the process and the actions to ensure effective response to address the identified avoidable factor





# The Policy Context: MPDSR in NHSS



- Nepal Health Sector Strategy, 2015-20 recognizes MPDSR as an effective tool to improve quality of care and strengthen the overall health care delivery system
- NHSS aims at reviewing all hospital based maternal deaths
- NHSS RF monitors the % of hospital based maternal deaths reviewed and targets to reach 100 % by 2016/17.
- MMR and neonatal mortality rates are monitored as tracer indicators at the Goal level





# MDSR monitoring at HP and PHCC level



Time period: From ..... to .....

Indicator	No.	Remarks
Number of deaths of women of 12-55 years reported by FCHVs		
Number of deaths of women of 12-55 years screened for pregnancy related deaths		
Number of verbal autopsy done		
Number of maternal deaths reviewed		
Number of response activities planned		
Number of response activities implemented		





# MPDSR monitoring at hospital level: Maternal deaths

Time period: From ..... to .....		
Indicator	No.	Remarks
Number of maternal deaths		
Number of MDR forms completed		
Number of maternal deaths reviewed		
Number of response activities planned		
Number of response activities implemented		
Number of maternal death review forms entered into the server		





# MPDSR monitoring at hospital level: Maternal deaths



Time period: From ..... to .....		
Indicator	No.	Remarks
No. of maternal deaths by causes of death		
No. of maternal deaths by age of mother		
No. of maternal deaths by education of mother		
No. of maternal deaths by ethnicity		
No. of maternal deaths by wealth quintile		
No. of maternal deaths by pregnancy stage (ante, intra and post partum)		
Maternal mortality ratio per 100,000 live births		





# MPDSR monitoring at hospital: Perinatal deaths



Time period: From ..... to .....

Indicator	No.	Remarks
Number of perinatal deaths		
Number of PDR forms completed		
Number of deaths reviewed		
Number of response activities planned		
Number of response activities implemented		
Number of perinatal death review forms entered into the server		
Perinatal mortality ratio		
Neonatal mortality rate		





# MPDSR monitoring at DHO/DPHO level: Community based maternal deaths

Time period: From ..... to .....		
Indicator	No.	Remarks
Number of deaths of women of 12-55 years reported by FCHVs		
Number of deaths of women of 12-55 years screened for pregnancy related deaths		
Number of verbal autopsy done		
Number of maternal deaths reviewed		
Number of response activities planned		
Number of response activities implemented		
Number of maternal death review forms entered into the server		





# MPDSR monitoring at DHO/DPHO level: hospital based maternal deaths



Time period: From ..... to .....		
Indicator	No.	Remarks
Number of maternal deaths		
Number of MDR forms completed		
Number of maternal deaths reviewed		
Number of response activities planned		
Number of response activities implemented		





# MPDSR monitoring at district level: Maternal deaths



Time period: From ..... to .....		
Indicator	No.	Remarks
No. of maternal deaths by causes of death		
No. of maternal deaths by age of mother		
No. of maternal deaths by education of mother		
No. of maternal deaths by ethnicity		
No. of maternal deaths by wealth quintile		
No. of maternal deaths by pregnancy stage (ante, intra and post partum)		





# MPDSR monitoring at DHO/DPHO level: Perinatal deaths



Time period: From ..... to .....		
Indicator	No.	Remarks
Number of perinatal deaths		
Number of PDR forms completed		
Number of deaths reviewed		
Number of response activities planned		
Number of response activities implemented		
Number of perinatal death review forms entered into the server		





# MPDSR monitoring at central level: Community based maternal deaths



Time period: From ..... to .....

Indicator	No.	Remarks
Number of deaths of women of 12-55 years reported by FCHVs		
Number of deaths of women of 12-55 years screened for pregnancy related deaths		
Number of verbal autopsies done		
Number of maternal deaths reviewed		





# MPDSR monitoring at central level: community based maternal deaths ...



Time period: From ..... to .....

Indicator	%	Remarks
% of community based maternal deaths reported within 24 hours		
% of WRA deaths that are screened within 72 hours		
% of verbal autopsies conducted for pregnancy related deaths within 21 days		
% of maternal death reviews that include Action Plan		





# MPDSR monitoring at central level: hospital based maternal deaths



Time period: From ..... to .....

Indicator	No.	Remarks
Number of maternal deaths reported		
Number of MDR forms completed		
Number of maternal deaths reviewed		
Number of response activities planned		
Number of response activities implemented		





# MPDSR monitoring at central level: hospital based maternal deaths ...



Time period: From ..... to .....

Indicator	%	Remarks
% of hospital maternal deaths reported within 24 hours		
% of maternal deaths reviewed within 72 hours		
% of maternal death reviews that include Action Plans		
% of facilities with zero reporting of maternal deaths		





# MPDSR monitoring at central level: Perinatal deaths



Time period: From ..... to .....		
Indicator	No.	Remarks
Number of perinatal deaths reported		
Number of PDR forms completed		
Number of deaths reviewed		
Number of response activities planned		
Number of response activities implemented		





# MPDSR monitoring at central level: Perinatal deaths ...



Time period: From ..... to .....		
Indicator	%	Remarks
% perinatal deaths notified within 72 hours		
% of perinatal deaths reviewed		
% of perinatal death reviews that include Action Plan		
% of pregnancy related deaths screened correctly (1 % sample verification)		





# MPDSR monitoring at central level



Time period: From ..... to .....

Indicator	%	Remarks
% of maternal deaths by causes of death		
% of maternal deaths by age of mother		
% of maternal deaths by education of mother		
% of maternal deaths by ethnicity		
% of maternal deaths by wealth quintile		
% of maternal deaths by pregnancy stage (ante, intra and post partum)		
% of maternal deaths by place of death		
% of maternal deaths by ANC visits		
% of maternal deaths by referral status		





# MPDSR monitoring at central level

Time period: From ..... to .....		
Indicator	No.	Remarks
Maternal mortality ratio per 100,000 live births		
Perinatal mortality ratio		
Neonatal mortality ratio		
Hospitals implementing MPDSR		
Districts implementing MPDSR		
Districts implementing community based MDSR		



## Community deaths

Identify all deaths of women aged 12-55, filter all suspected maternal deaths and notify to the focal point within 24 hrs of knowledge of death



Conduct Verbal Autopsy within 21 days of death



VA forms reviewed by concerned facility and district MPDSR team



At district level, VA data entry in the software



D(P)HO  
Data management and analysis

## Facility deaths

Identify and notify maternal deaths to the district focal point within 24 hrs of occurrence of death



Fill MPDR form



Conduct Maternal and Perinatal Death review and complete the MPDR form with recommendations



Data entry in the software, by hospital,



D(P)HO  
Data management and analysis







# Web-based reporting System for MPDSR



## ■ Levels:

1. National
2. District
3. Hospitals

Username and password created for D(P)HOs and hospitals





# Log in pathway



- Website: [www.fhd.gov.np](http://www.fhd.gov.np)
- Click MPDSR box in the home page of FHD
- Insert username and password provided for individual district and hospital





# FHD Homepage

File Edit View History Bookmarks Tools Help

je... New Tab General S... Crazy... how t... Optim... Inbox ... RE: Po... New Tab Ho... x New Tab how t... WordPre... > + -

fh.gov.np/index.php/en/ Search

Ministry of Health has been delivering promotional, preventive, diagnostic, curative, and palliative health care services and other health system related functions through various institutions established at the community- and central-level. Department of Health Services (DoHS) is responsible for delivering preventive, promotive, diagnostic and curative health services throughout Nepal.

Family health is one of the priority programs of Government of Nepal, Ministry of Health, DoHS. As per constitution of Nepal and related policies and strategic direction, Family Health Division (FHD) is responsible for improving overall quality of life of the whole family by improving the health status of mothers, neonates and children and by increasing access and utilization of quality family planning and safe motherhood services closer to rural households in full participation and involvement of community in public health activities. To achieve this important goal various programs like family planning, adolescent sexual and reproductive health, safe motherhood and neonatal health, reproductive health care services through Primary Health Care out Reach Clinic (PHC/ORC) and Female Community Health Volunteers (FCHVs), planning, monitoring and reproductive health research are in operation.

[Read More](#)

[Click Here to open MPDSR web appication](#)

[Read More Notice](#)

**NEW PUBLICATION**

- कार्यक्रम संचालन निर्देशिका २०७२-७३
- आमा सुरक्षा कार्यक्रम काव्यबोध निर्देशिका २०६५ दोस्रो संशोधन २०६९
- परिवार स्वास्थ्य महाशाखा कार्यक्रम संचालन निर्देशिका आ. व. २०७०/७१

Government of Nepal  
Ministry of Health

e-AWPB<sub>pro</sub>  
Ministry of Health & Population, Government of Nepal

MPDSR

HIIS  
Health Infrastructure Information System

यसको सफलता  
स्वास्थ्य तथा जनसंख्या अदालत  
सिक्कापट्टा तथा चोट रोगको निवारण प्रणाली  
TABUCS

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# MPDSR Webpage

The screenshot shows a web browser window with the address bar displaying `182.93.95.152/mpdsr/site/login`. The page has a light blue background with the text "MPDSR" centered at the top. Below this, a white login box contains the text "Sign in to start your session". Inside the box, there are two input fields: "Username" and "Password". Below the "Password" field is a checkbox labeled "Remember Me". To the right of the checkbox is a blue button labeled "Sign in". The browser's address bar also shows a search bar with the text "Search". The browser's taskbar at the bottom shows various application icons.

MPDSR

Sign in to start your session

Username

Password

☐ Remember Me

Sign in





# Hospital MPDSR



MPDSR Dhading Hospital

Hospital Death

- MATERNAL DEATH REVIEW FORM
- PERINATAL DEATH REVIEW FORM
- Search
- Incomplete Forms
- Forms Requested For Approval
- Approved Forms

Click here to open the Maternal Death Review Form.

Click here to open the Perinatal Death Review Form.

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localhost/mpdsr/survey/create?series\_id=3





# MDR Entry

localhost/mpdsr/survey/create?series\_id=3

MPDSR Dhading Hospital

Home > Survey Data

## MATERNAL DEATH REVIEW FORM

Maternal death includes death of a woman while pregnant or within 42 days of termination of pregnancy, regardless of the site or duration of pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes (WHO ICD-10).

The maternal death review process is an in-depth investigation of the causes of and circumstances surrounding maternal deaths occurring at health facilities with the objective of identifying avoidable factors and utilising the information for improving quality of care at the facility, and policy and programme reform.

Sections 1-7 should be completed within 24 hours of a maternal death by the attending medical officer/nursing staff in consultation with other staff that had contact with the deceased. All available records related to the deceased should be reviewed. The death should be notified to Family Health Division within 24 hours of occurrence with name, age and permanent address of the deceased.

Sections 1-7 should be reviewed within 72 hours by a hospital maternal death review committee. After discussion, the committee should complete Section 8 and 9. The completed forms should be made accessible to Family Health Division through web entry.

District:

Name of Facility:

### SECTION 1: DETAILS OF DECEASED WOMAN

101	Full Name:	<input type="text"/>
102	Age at death (Completed years)	<input type="text"/>





# PDR Entry

MPDSR

Dhading Hospital

Home > Survey Data

## PERINATAL DEATH REVIEW FORM

*Perinatal deaths include death of a baby from 22 weeks of gestation (or baby weighing at least 500 grams) to first 7 days of life (early neonatal period).*

*The perinatal death review process is an in-depth investigation of the causes of and circumstances surrounding late fetal and early neonatal deaths occurring at health facilities with the objective of identifying avoidable factors and utilizing the information for improving quality of care at the facility, and policy and programme reform across the country.*

*Personally identifiable information on this form will be kept confidential, and will be grouped and non-identifiable. Information and discussion arising from this review form cannot be used in legal proceedings.*

*Sections 1-4 should be completed within 72 hours of the perinatal death by the attending medical officer/nursing staff in consultation with other staff that had contact with the mother/infant. All available records related to the deceased should be reviewed.*

*Sections 1-4 should then be reviewed each month by the hospital MPDR committee and Section 5 should be completed after discussion. The completed forms should be made accessible to Family Health Division and DPHO through web-based data entry.*

District:

Name of Facility:

### SECTION 1: DETAILS OF MOTHER OF THE DECEASED

101	Name of the Mother :	<input type="text"/>
102	Hospital ID Number	<input type="text"/>





# Saving data



- “Submit Data” must be clicked in order to save the data in every section.
- After filling the forms please do not forget to click “Request for approval”, so that the forms can be approved or verified by FHD.





# Navigation to different sections

Sign In | Inbox (153) - bhimp... | RE: Possible SPAM ... | MPDSR

localhost/mpdsr/survey/create?series\_id=4

108	If ANC received, how many times? Specify	<input type="text"/>
109	Obstetric condition of mother at admission	Select Option
110	Provisional diagnosis of mother at the time of admission . Specify	<input type="text"/>
111	Place of delivery . Specify	<input type="text"/>
112	Mode of delivery	Select Option
113	If other than normal delivery, specify main reason for this	<input type="text"/>
114	Relevant maternal event summary	<input type="text"/>

Click Here to navigate through Sections,  
Important: if you have filled data in the form, do not click here before clicking Submit data, or data will not be saved.

1 2 3 4 5 6

Submit Data

Click here, to save the filled datas, this will take you to next section if the data saved successfully.

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# Steps of approval

MPDSR

Dhading Hospital

Home > Incomplete Forms

## Incomplete Forms

Click here to view incomplete forms, the listed forms should be completed and requested for approval, Make sure there are no listings in this section.

Click Here to view the forms which are sent for approval to FHD, You can preview the forms here.

Click here to view the forms which are approved by FHD, You can preview the forms Here.

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Any comments / feedback?





# धन्यवाद



नेपाल सरकार  
स्वास्थ्य मन्त्रालय  
स्वास्थ्य सेवा विभाग  
परिवार स्वास्थ्य महाशाखा

