



मातृ तथा पेरिनेटल मृत्यु निर्गरानी तथा प्रतिकार्य Maternal & Perinatal Death Surveillance and Response [MPDSR]

-Cause of Death-



नेपाल सरकार
स्वास्थ्य मन्त्रालय
स्वास्थ्य सेवा विभाग
परिवार स्वास्थ्य महाशाखा



Objective

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

- define the tools used in hospital level MPDSR and
- describe the basic techniques to fill up the MDR and PDR forms.



Cause of Death

- All those diseases, morbid conditions or injuries which either resulted in or contributed to death and the circumstances of the accident or violence which produced any such injuries.

(Twentieth World Health Assembly, 1967)



Primary/Underlying Cause of Death

- The WHO defines Primary Cause of Death as the death of a woman of reproductive age resulting from obstetric complications of the pregnant state (i.e. pregnancy, delivery and postpartum), interventions, omissions, incorrect treatment, or a chain of events resulting from any of the above.
- For example: APH, PPH, Eclampsia



Contributory factors

- Contributory cause includes conditions that may exist prior to development of the primary cause of death or develop during the chain of events leading to death and which, by its nature, contributed to the death.
- Other significant conditions contributing to death but not related to disease or condition causing it.
- Example: Chronic Renal, Cardiac disease, HIV, TB



Final Cause of Death

- The final disease, injury, condition or complication directly leading to death.
- For Example: Hypovolemic shock



Categories of causes of death

▪ **Underlying/Primary cause of death:**

- The disease or injury which initiated the train of events leading directly to death

or

- The circumstances of the accident or violence which produced the fatal injury

▪ **Immediate/Final cause of death:**

- The terminal event/disease that led to death



Categories of causes of death

- **Antecedent cause of death**

- All events/diseases between the immediate cause of death and the underlying cause of death

- **Contributory cause of death**

- Diseases that are independent of the causal chain of events/diseases leading to death



An example of causal chain of diseases

Massive Upper Gastro intestinal haemorrhage

Caused by

Bleeding oesophageal varices

Caused by

Cirrhosis of liver

Caused by

Chronic Hepatitis

Also had

Diabetes



An example of causal chain of events/diseases leading to maternal death

Antepartum haemorrhage

Caused by

Abruptio placenta

Caused by

Pre-eclampsia

Also had

Diabetes



Cause of Death Assignment

- On duty staff will provide the primary, contributory and final cause of death for hospital Maternal Death which will be finalized by the MPDSR committee at the hospital.



Cause of Death Assignment

- Medical Doctor in the District Verbal Autopsy Team trained on Cause of Death Assignment will be responsible to assign cause of death for maternal deaths in the communities after reviewing the completed Verbal Autopsy form.



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Maternal Death Surveillance and Response [MDSR]

- Cause of Death Assignment Form-



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Government of Nepal
Ministry of Health and Population

MPDSR Tool 4

MATERNAL DEATH VERBAL AUTOPSY CAUSE OF DEATH ASSIGNMENT FORM

A. Case Summary		
District		Case Number
Name of the deceased		Age (Q. ...)
Case narrative: <i>[Gravida, Parity, ANC/Intra/PNC history, sequence of events, treatment, time line of events]</i>		
History of illness prior to death		
Positive symptoms		
Contributing factors (delays)		
First delay	Second delay	Third delay

Cause of Death Assignment

Part I		Approximate Interval Between Onset & Death	VA Code
Disease or condition directly leading to the death*	a) (due to or as a consequence of)		
Antecedent causes (Morbid conditions, if any, giving rise to the above cause, <i>stating underlying condition last</i>)	b) (due to or as a consequence of)		
	c) (due to or as a consequence of)		
	d) (due to or as a consequence of)		

Part II

Other significant conditions (morbid conditions contributing to death, but not related to the disease or conditions causing it)	
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* This does **NOT** mean the mode of dying, e.g., heart failure, respiratory failure; it means the disease, injury or complication that caused death.

Information about cause of death assignment

Certainty of Diagnosis	1 [High]	2 [Medium]	3 [Low]	4 [Insufficient to Code]
Insufficient information: What other information should have been gathered?				
Reviewer name				Code
Dater of review		Start time		Finish time



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