

NEONATAL MORTALITY RATE

- Number of neonatal deaths per 1000 live births in that year
- $NMR = \text{Number of Neonatal Deaths in a given year} \times 1000 / \text{Total number of live births in the same year}$
- Neonatal mortality (NM)- deaths within 28 days of birth
- Early neonatal mortality (ENM)- death within 1-7 days of life
- $ENMR = \text{Number of Early Neonatal Deaths in a given year} \times 1000 / \text{Total number of live births in the same year}$
- Late neonatal mortality

(LNM)

- death between 8-28 days of life
- $\text{LNMR} = \text{Number of Late Neonatal Deaths in a given year} \times 1000 / \text{Total number of live births in the same year}$

CAUSES

- Causes of NMR
 - i. LBW or Prematurity
 - ii. Birth injury or Birth asphyxia
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 - ii. Hemolytic diseases or Congenital anomalies
 - iv. Sepsis or ARI or Diarrheal diseases

or Tetanus

- In India most common cause of NM-Preterm birth (LBW & Prematurity)
- ENM-Prematurity & Congenital anomalies
- LNM - Infections (Pneumonia, Diarrhea, Tetanus)
- Neonatal Screening - Disease screened among neonates are
 - Neonatal hypothyroidism (most common screened disorders)
 - Phenylketonuria (mass screening in neonates done by Guthrie)

test)

- Sickle cell anemia
 - Thalassemia
 - Congenital dislocation of hip
 - G6PD deficiency
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- Neonatal Tetanus (8th day disease) •
August 2015
 - Maternal & Neonatal Tetanus
eliminated ($<1/1000$ Live birth) from
India
 - 5 cleans of safe delivery- used for
elimination

of

Neonatal Tetanus

- 1. Clean hands-soap & water
- 2. Clean delivery surface-clean plastic sheath
- 3. Clean cord cut-new razor blade
- 4. Clean cord tie clean thread
- 5. Clean cord stump - nothing to be applied