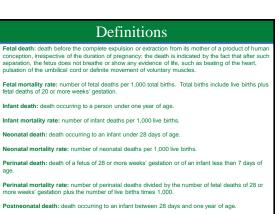


Fetal and Infant Mortality

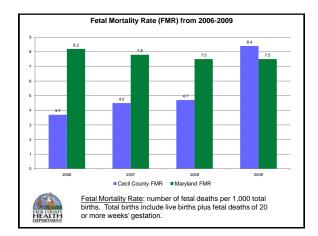
Rangika Fernando, M.P.H. Epidemiologist Cecil County Health Department



Postneonatal mortality rate: number of postneonatal deaths per 1,000 live births.

age

Statistics								
	CC 2006	MD 2006	CC 2007	MD 2007	CC 2008	MD 2008	CC 2009	MD 2009
Number of Infant Deaths	13	615	4	622	4	617	4	541
Infant Mortality Rate	9.6	7.9	х	8.0	х	8.0	х	7.2
Number of Neonatal Deaths	8	446	2	451	2	452	3	386
Neonatal Mortality Rate	5.9	5.8	х	5.8	х	5.8	х	5.1
Number of Postneonatal Deaths	5	169	2	171	2	165	1	155
Postneonatal Mortality Rate	3.7	2.2	х	2.2	х	2.1	х	2.1
Number of Fetal Deaths	5	642	6	611	6	583	10	566
Fetal Mortality Rate	3.7	8.2	4.5	7.8	4.7	7.5	8.4	7.5
Number of Perinatal Deaths	11	654	3	604	5	646	5	529
Perinatal Mortality Rate	8.1	8.4	х	7.7	3.9	8.3	4.2	7.0
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Categories and Causes of Fetal Death (National %)

Unexplained
(25-35%)
Maternal
(5-10%)
Trauma
Abnormal labor
Sepsis
Acidosis
Hypoxia
Uterine rupture
Postterm pregnancy
Drugs
Chronic health condition

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Placental Placental (25-35%) Abruption Placental insufficiency Fetal-maternal hemorrhage Twint-to-twin transfusion Cord accident Intrapartum asphysia **Fetal** (25-40%) Chromosomal anomalies Non chromosomal birth defect Infection (virus bacteria, protec Infection (virus, bacteria, protozoa) Poor fetal growth

http://elearning.medicine.swu.ac.th/gynec/g_round/8.pdf

Risk Factors for Fetal Death

- Maternal age over 35
- Maternal obesity
- **Maternal Diabetes** .
- Maternal Drug/Alcohol/Tobacco Use during pregnancy
- . Multiple gestation (twins or more)
- African-American ancestry



Most Common Causes of Fetal Death in Cecil County

1)Premature Births

2) Umbilical Cord Complications

3) Drugs/Alcohol/Smoking

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11 Leading Causes of Infant Deaths in Maryland

- 1) Disorders relating to short gestation and unspecified low birth weight
- 2) All other causes
- 3) Congenital abnormalities
- 4) Sudden infant death syndrome
- 5) Newborn affected by maternal complications of pregnancy 6) Newborn affected by complications of placental cord and
- memberanes
- 7) Necrotizing enterocolitis of newborn
- 8) Bacterial sepsis of newborn9) Respiratory distress of newborn
- 10) Neonatal hemorrhage
- 11) Accidents

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Infant death: death occurring to a person under one year of age.