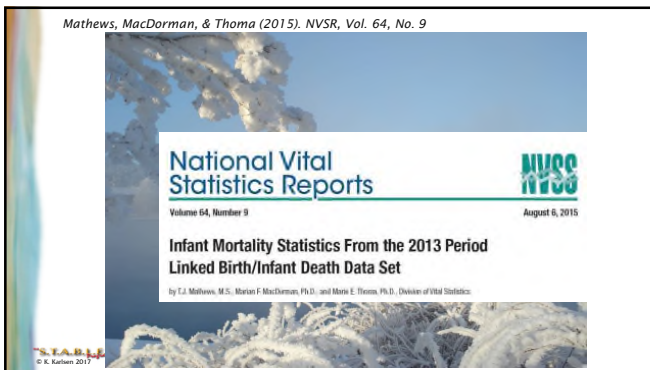


### Why are IMR Rates so Important?

Infant death is a critical indicator of the health of a population. Infant death reflects the overall state of maternal health, as well as the quality and accessibility of primary health care available to pregnant women and infants.

- National Vital Statistics Mortality Reporting - CDC



Mathews, MacDorman, & Thoma (2015). NVSR, Vol. 64, No. 9

### Infant Mortality in U.S.

3,932,181 Live Births 2013

2013 Mortality Rate Data*	Infant 0 - 365 days	Neonatal 0 - 27 days	Early Neonatal 0 - 6 days	Late Neonatal 7 - 27days
Race	23,446 5.96 / 1000	15,893 4.04 / 1000	12,900 3.28 / 1000	2,993 0.76 / 1000
Asian/PI	4.07 / 1000	2.99 / 1000		
Hispanic	5 / 1000	3.55 / 1000		
White	5.06 / 1000	3.34 / 1000		
Am Ind/AN	7.61 / 1000	4.11 / 1000		
Black	11.11 / 1000	7.46 / 1000		

PI - Pacific Islander, AN - Alaskan Native

Mathews, MacDorman, & Thoma (2015). NVSR, Vol. 64, No. 9

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**In 2013:** 447,361 (11.4%) were born at < 37 weeks  
 15,552 died = 66% of all infant deaths  
 75,464 (1.9%) were born at < 32 weeks  
 12,354 died = 53% of all infant deaths  
 27,808 were born weighing < 1000 grams (0.71% of all births)  
 47% of all infant deaths  
 63% of all neonatal deaths

Mathews, MacDorman, & Thoma (2015). NVSR, Vol. 64, No. 9


### Infant Mortality in U.S.

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Weight (in grams)	Deaths per 1000 live births
> 2,500	2.05
< 2,500	50.26
2,000 to 2,499	9.93
1,500 to 1,999	24.68
< 1,500	219.56
< 500	853.03

Mathews, MacDorman, & Thoma (2015). NVSR, Vol. 64, No. 9  
**Infant Mortality in U.S.**

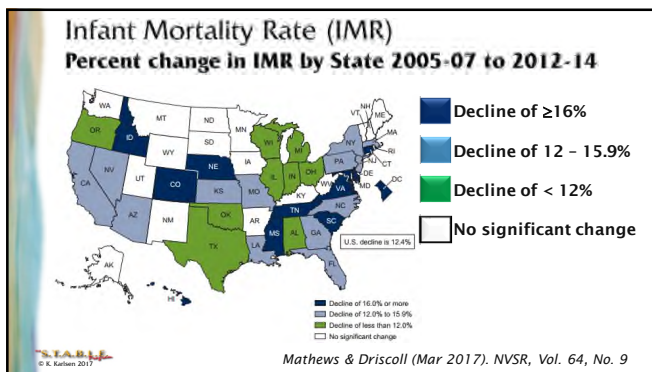
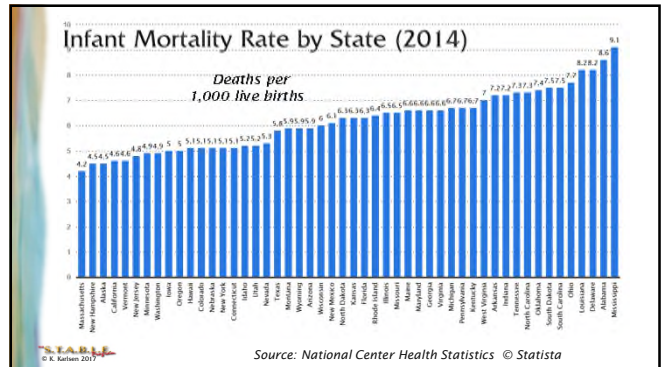


**2013 - Linked birth / Death Data**

► For all race and ethnic groups, infant mortality rate

Weeks gestation	Terminology	Deaths per 1000 live births
< 32	Early preterm	163.71
32 - 33	Early preterm	16.02
34 - 36	Late preterm	7.23
37 - 38	Early term	3.01
39 - 40	Full term	1.85
41	Late term	1.8
42 or >	Postterm	2.39

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**Leading Causes Neonatal Mortality US 2010**

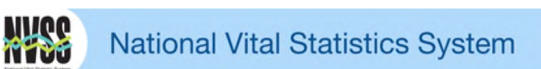
Cause of Death	Deaths	% of Total Deaths
Disorders related to short gestation and low birthweight*	4,063	25.1
Congenital malformations, deformations, and chromosomal abnormalities	3,605	22.3
Newborn affected by maternal complications of pregnancy	1,547	9.6
Newborn affected by complications of placenta, cord, and membranes	1,015	6.3
Bacterial sepsis of newborn	562	3.4
Respiratory distress of newborn	497	3.1
Neonatal hemorrhage	458	2.8
Necrotizing enterocolitis of newborn	409	2.5
Intrauterine hypoxia and birth asphyxia	300	1.9
Atelectasis	231	1.4
All other causes	3,511	21.7

\*not elsewhere classified

Heron, 2013. National Vital Statistics Reports, Vol 62, No 6

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**Leading Causes Neonatal Mortality US**



CDC > NCHS > National Vital Statistics System

Linked Birth and Infant Death Data

Follow for new results at:  
<https://www.cdc.gov/nchs/nvss/linked-birth.htm>

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**The Facts: U.S. Compared with World**

- U.S. annual births ..... 3.93 million
  - Neonatal deaths (2013) ... 15,893 (1.8 / hour)
- Global annual births ..... approx 130 million
  - Global neonatal deaths .... 2.9 million (331 / hour)
  - Most deaths are from preventable causes



Save the Children (2014) Ending Newborn Deaths

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