

Infant Mortality in Oklahoma

State Data Overview
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Maternal & Child Health

Objectives

- Define infant mortality
- List data sources
- Review of infant mortality rates
- Describe racial/ethnic disparity
- Review top causes of infant death
- List select risk and related factors
- Describe next steps

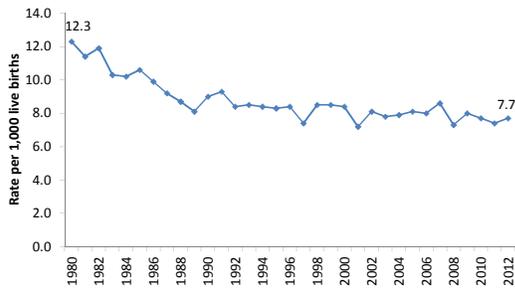
Definitions

- Infant death = death prior to first birthday
- Neonatal death = death occurring < 28 days of life
- Postneonatal death = death occurring during 28 to 364 days of life
- Infant mortality rate = number of infant deaths per 1,000 live births

Data Sources

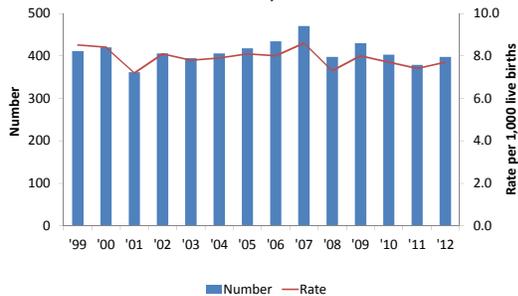
- OK2SHARE, web-based query system, www.ok.gov/health/pub/wrapper/ok2share.html
- CDC/NCHS, National Vital Statistics Reports, available at www.cdc.gov/nchs/products.htm
- Pregnancy Risk Assessment Monitoring System (PRAMS)

Infant mortality rate: Oklahoma, 1980-2012

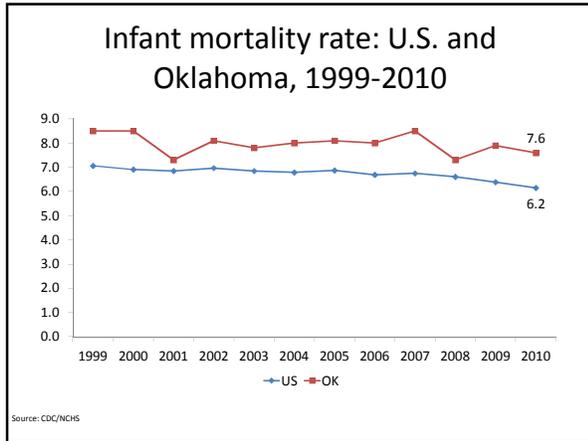


Source: OK2SHARE

Number and rate of infant deaths in Oklahoma, 1999-2012



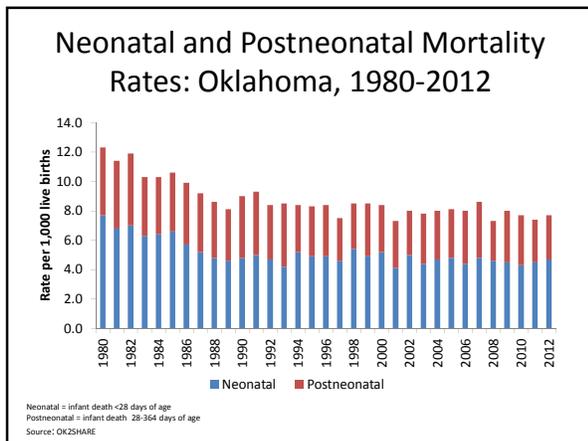
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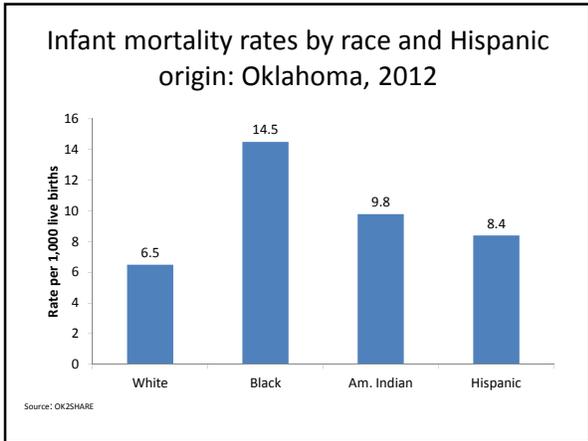


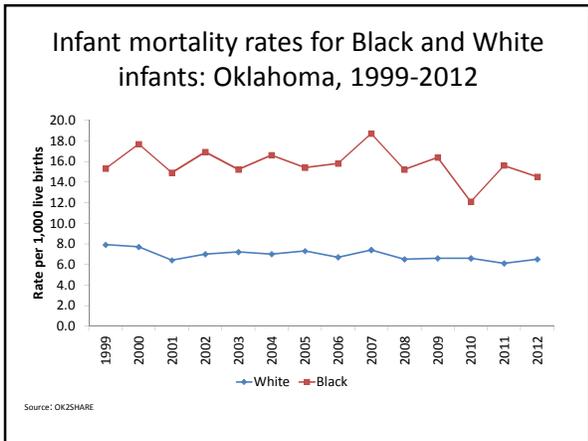
Infant mortality by age at death: Oklahoma, 2012

Age at death	Number	Rate	% of infant deaths
Infant (<364 days)	398	7.7	100.0
Neonatal (<28 days)	245	4.7	61.6
Postneonatal (28 to 364 days)	153	3.0	38.4

Source: OK2SHARE







Top 5 rankable* causes of infant death: Oklahoma, 2010-2012

Cause	Deaths	Rate†	% of Infant Deaths
Congenital malformations	290	18.6	24.5
Disorders related to short gestation and low birth weight	202	12.9	17.1
Sudden Infant Death Syndrome (SIDS)	124	7.9	10.5
Newborn affected by complications of placenta, cord and membranes	34	2.2	2.8
Unintentional injuries	32	2.0	2.7

*Based on International Classification of Diseases, 10th Revision
 †Rates are per 10,000 live births.
 Source: OK2SHARE

Top 5 rankable* causes of neonatal death: Oklahoma, 2010-2012

Cause	Deaths	Rate	% of neonatal deaths
Congenital malformations	201	12.9	28.6
Disorders related to short gestation and low birth weight	193	12.4	27.4
Newborn affected by complications of placenta, cord and membranes	33	2.1	4.6
Newborn affected by maternal complications of pregnancy	31	2.0	4.4
Respiratory distress of newborn	20	1.3	2.8

*Based on International Classification of Diseases, 10th Revision
 †Rates are per 10,000 live births.
 Source: OKZSHARE

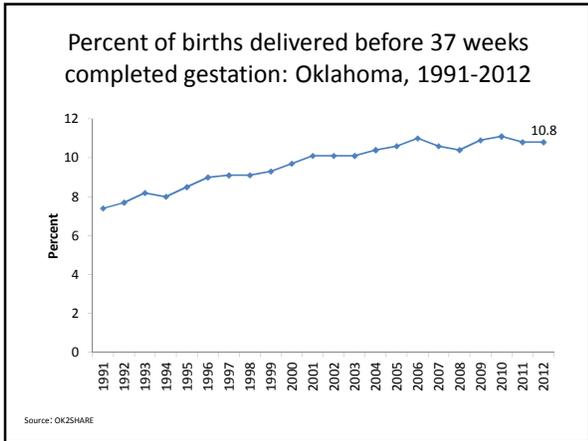
Top 5 rankable* causes of postneonatal death: Oklahoma, 2010-2012

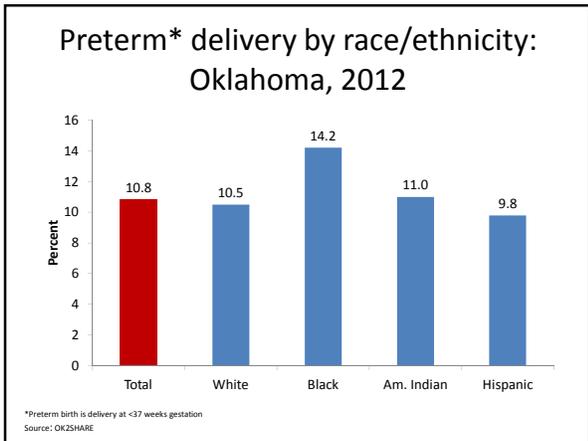
Cause	Deaths	Rate	% of Postneonatal Deaths
Sudden infant death syndrome	113	7.3	23.6
Congenital malformations	89	5.7	18.6
Unintentional injuries	30	1.9	6.2
Diseases of the circulatory system	14	0.9	2.9
Homicide	13	0.8	2.7

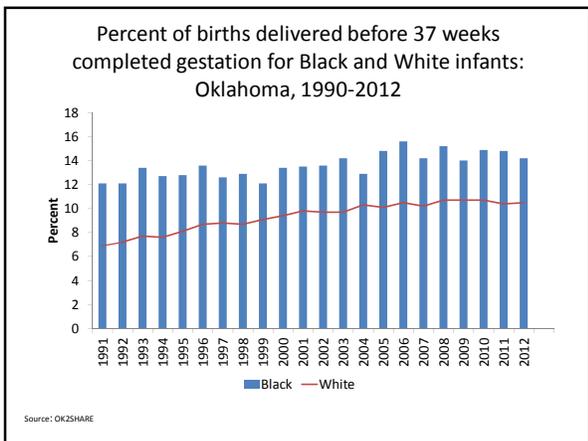
*Based on International Classification of Diseases, 10th Revision
 †Rates are per 10,000 live births.
 Source: OKZSHARE

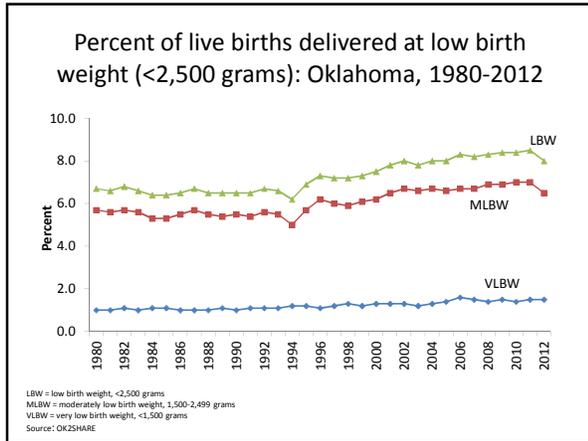
Priority areas addressing risk factors

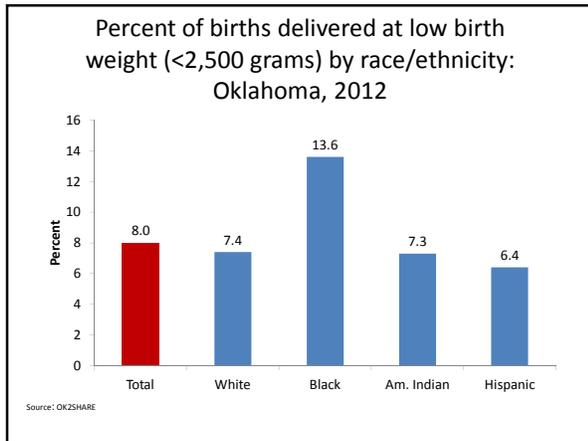
- Tobacco Cessation
- Prematurity
- Preconception
- Breastfeeding
- Infant Safe Sleep
- Infant Injury Prevention
- Postpartum Depression

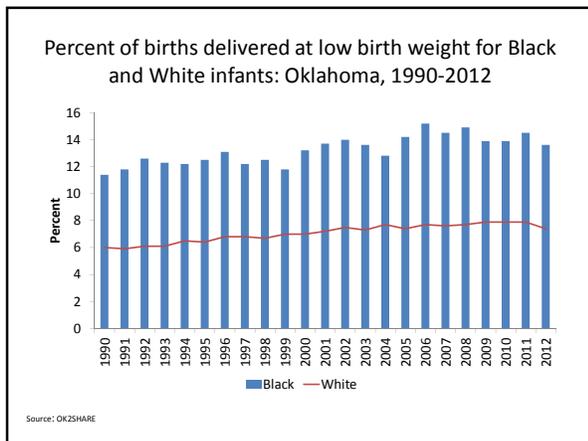




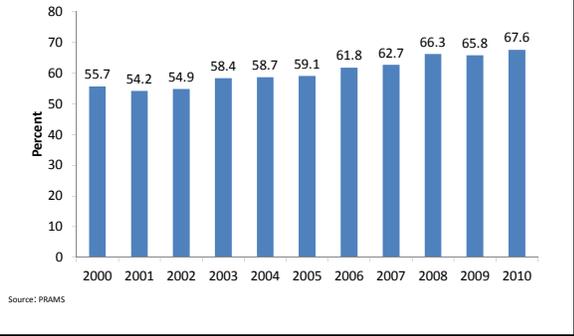




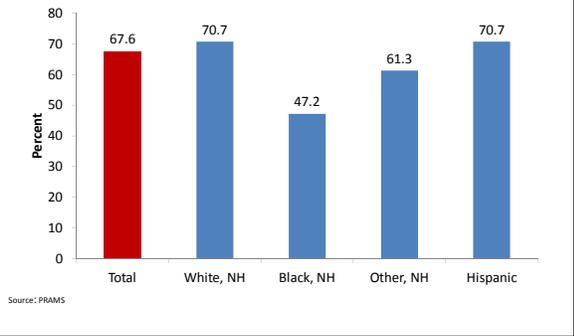




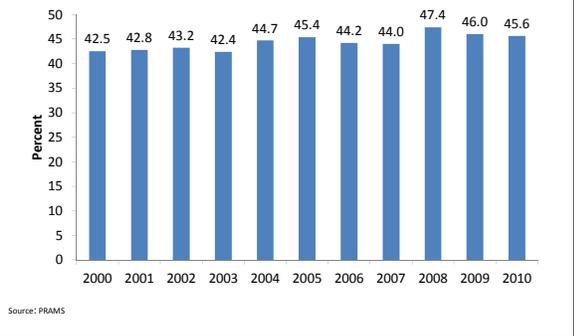
Percent of infants most often laid on back to sleep: Oklahoma, 2000-2010

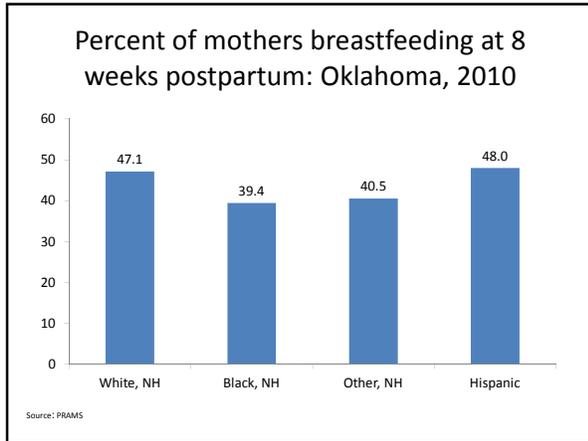


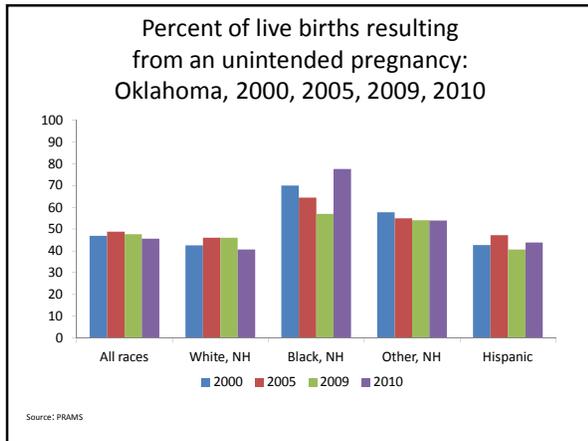
Percent of infants most often laid on back to sleep: Oklahoma, 2010

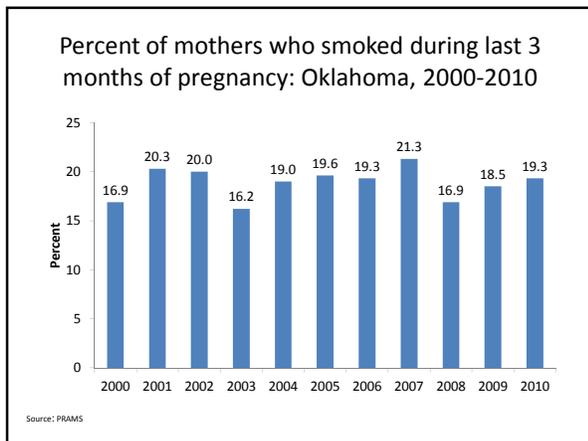


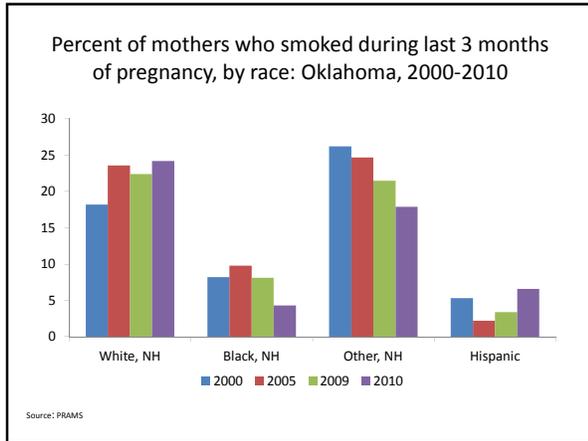
Percent of mothers breastfeeding at 8 weeks postpartum: Oklahoma, 2000-2010











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