“Preparing for a Lifetime, It’s Everyone’s Responsibility” 2019 Snapshot

The three leading causes of infant death in Oklahoma are congenital malformations (birth defects), short gestation and disorders related to low birth weight, and Sudden Infant Death Syndrome (SIDS).¹

Rates of infant mortality are more than twice as high for African American infants and 1.9 times as high for American Indian infants, when compared to white infants.

**Overall and Cause Specific Infant Mortality Rates in Oklahoma (IMRs)²**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2007 Baseline Rate</th>
<th>2018 Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Infant Mortality Rate (IMR)</td>
<td>8.6</td>
<td>7.1</td>
</tr>
<tr>
<td>IMR for Congenital Malformations (Birth Defects)</td>
<td>1.8</td>
<td>1.5</td>
</tr>
<tr>
<td>IMR for low birth weight and short gestation</td>
<td>1.2</td>
<td>1.1</td>
</tr>
<tr>
<td>IMR for SIDS</td>
<td>0.6</td>
<td>0.9</td>
</tr>
</tbody>
</table>
### Priority Area | Primary Measure | Baseline Data and Source | Current (data year) | Status
---|---|---|---|---
Preconception/ Interconception | Percent of births resulting from an unintended pregnancy\(^1\) | 36.3% (2012) | 31.5% (2017) | ↓
Preterm Birth | Percent of women initiating prenatal care in the first trimester\(^2\) | 67.2% (2009) | 69.8% (2018) | ↑
Preterm Birth | Rate of births to teenagers ages 15-17 (per 1,000 population)\(^3\) | 30.4 (2007) | 10.6 (2018) | ↓
Prematurity | Percent of births delivered preterm (<37 weeks gestation)\(^2\) | 10.6% (2007) | 11.4% (2018) | ↑
Prematurity | Percent of pregnant women receiving adequate prenatal care as defined by Kotelchuck APNCU Index\(^2\) | 70.9% (2009) | 73.9% (2018) | ↑
Tobacco | Percent of women who smoke in the last three months of pregnancy\(^1\) | 21.3% (2007) | 12.7% (2017) | ↓
Postpartum Depression | Percent of women screened for postpartum depression up to two years after pregnancy\(^3\) | 33.3% (2010) | 48.7% (2015-2017) | ↑
Breastfeeding | Percent of mothers who breastfeed their infants at six months of age\(^3\) | 30.2% (2007) | 44.7% (2015-2017) | ↑
Infant Safe Sleep | Percent of infants who are put to sleep on their backs\(^1\) | 62.7% (2007) | 77.6% (2017) | ↓
Infant Injury Prevention | Number of incidents of abusive head trauma in infants less than 12 months of age\(^4\) | 37 cases (2007) | 21 cases (2015) | ↓

**Technical Notes**

Infant Mortality Rate = Number of deaths before day 365 per 1,000 live births

Preterm Birth = Percentage of all live births less than 37 completed weeks gestation based on obstetric estimate.

Unintended Pregnancy = Percentage of women with live births who indicated they wanted to be pregnant later or not at all when they became pregnant.

Kotelchuck Index = Measures the ratio between expected and received prenatal care visits, also called Adequacy of Prenatal Care Utilization Index. [http://mchlibrary.info/databases/HSNRCPDFs/Overview_APCUIndex.pdf](http://mchlibrary.info/databases/HSNRCPDFs/Overview_APCUIndex.pdf)

AHT = Abusive Head Trauma, sometimes known as Shaken Baby Syndrome.

ACOG = American Congress of Obstetricians and Gynecologists

SIDS = Sudden Infant Death Syndrome

**Data Sources**

1. **PRAMS** – Maternal and Child Health Service, Oklahoma State Department of Health (OSDH)

2. **Oklahoma Vital Statistics** – Health Care Information, OSDH

3. **TOTS** – Maternal and Child Health Service, OSDH

4. **Injury Prevention Service/ Health Care Information** – OSDH

**SUMMARY**

- From 2007 to 2018, the IMR in Oklahoma has decreased from 8.6 to 7.1.
- 9 of the 10 measures showed improvement with the one exception being the percent of births delivered preterm.