North Carolina Infant Mortality & Related Data: Annual Update

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What We’ll Cover This Morning:

• Trends & National comparisons

• Racial disparities

• Progress towards Healthy NC 2020 goals

• Timing and causes of infant death

• Geographic patterns in maternal & infant health-related data
### Each Day in North Carolina: 1997 vs 2016

<table>
<thead>
<tr>
<th>Resident Events</th>
<th>1997</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Live Births</td>
<td>293</td>
<td>331</td>
</tr>
<tr>
<td>Fetal Deaths</td>
<td>2.4</td>
<td>2.2</td>
</tr>
<tr>
<td>Infant Deaths (&lt;1 year)</td>
<td>2.7</td>
<td>2.4</td>
</tr>
<tr>
<td>Neonatal Deaths (&lt;28 days)</td>
<td>1.9</td>
<td>1.6</td>
</tr>
<tr>
<td>Postneonatal Deaths (28-365 days)</td>
<td>0.8</td>
<td>0.8</td>
</tr>
</tbody>
</table>

- 38 more babies born every day on average

<table>
<thead>
<tr>
<th>Resident Events</th>
<th>1997</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Birthweight Births (&lt;2500 grams)</td>
<td>26</td>
<td>31</td>
</tr>
<tr>
<td>Births to Unmarried Mothers</td>
<td>94</td>
<td>134</td>
</tr>
<tr>
<td>Teen Births, Ages 15-19</td>
<td>41</td>
<td>20</td>
</tr>
</tbody>
</table>

Trends in North Carolina Resident Birth, Fetal and Infant Death Rates
Live Birth Rates: 1997-2016
US vs NC

14% Decline Nationally
17% Decline in NC

Source: NC State Center for Health Statistics & CDC/National Center for Health Statistics
Teen Birth Rates: 1997-2016
US vs NC

<table>
<thead>
<tr>
<th>Year</th>
<th>U.S.</th>
<th>N.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997</td>
<td>52.3</td>
<td>62.3</td>
</tr>
<tr>
<td>1998</td>
<td>51.1</td>
<td>62.3</td>
</tr>
<tr>
<td>1999</td>
<td>49.6</td>
<td>60.0</td>
</tr>
<tr>
<td>2000</td>
<td>48.5</td>
<td>58.5</td>
</tr>
<tr>
<td>2001</td>
<td>48.0</td>
<td>52.5</td>
</tr>
<tr>
<td>2002</td>
<td>45.8</td>
<td>49.0</td>
</tr>
<tr>
<td>2003</td>
<td>43.0</td>
<td>46.2</td>
</tr>
<tr>
<td>2004</td>
<td>41.6</td>
<td>46.6</td>
</tr>
<tr>
<td>2005</td>
<td>41.1</td>
<td>47.0</td>
</tr>
<tr>
<td>2006</td>
<td>40.5</td>
<td>48.3</td>
</tr>
<tr>
<td>2007</td>
<td>41.9</td>
<td>48.4</td>
</tr>
<tr>
<td>2008</td>
<td>42.5</td>
<td>45.7</td>
</tr>
<tr>
<td>2009</td>
<td>41.5</td>
<td>43.4</td>
</tr>
<tr>
<td>2010</td>
<td>39.1</td>
<td>38.3</td>
</tr>
<tr>
<td>2011</td>
<td>34.2</td>
<td>34.8</td>
</tr>
<tr>
<td>2012</td>
<td>31.3</td>
<td>31.8</td>
</tr>
<tr>
<td>2013</td>
<td>29.4</td>
<td>28.4</td>
</tr>
<tr>
<td>2014</td>
<td>26.6</td>
<td>25.9</td>
</tr>
<tr>
<td>2015</td>
<td>24.2</td>
<td>23.5</td>
</tr>
<tr>
<td>2016</td>
<td>22.3</td>
<td>21.8</td>
</tr>
</tbody>
</table>

Source: NC State Center for Health Statistics & CDC/National Center for Health Statistics
Percentage of Live Births with Low Birth Weight
(<2500 grams)
1997-2016: US vs NC

NC is 12% above the national average in 2016

Source: NC State Center for Health Statistics & CDC/National Center for Health Statistics
Percentage of Live Births born Preterm (<37 weeks) 2007-2016: US vs NC

Based on Obstetric Estimate of Gestation, per National Center for Health Statistics guidelines

Source: NC State Center for Health Statistics & CDC/National Center for Health Statistics
Infant Mortality Rates: 1997-2016
US vs NC

22% decline from 1997-2016 in NC

Source: NC State Center for Health Statistics & CDC/National Center for Health Statistics
NC Fetal, Neonatal & Postneonatal Mortality Rates: 1997-2016

Source: NC State Center for Health Statistics, 1997-2016 Vital Statistics Reports
North Carolina’s Infant Mortality Rate ranks among the highest in the U.S.
### 2015 U.S. Infant Mortality Rate Rankings

<table>
<thead>
<tr>
<th>Rank</th>
<th>State</th>
<th>Infant Death Rate per 1,000 live births</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mississippi</td>
<td>9.27</td>
</tr>
<tr>
<td>2</td>
<td>Delaware</td>
<td>8.96</td>
</tr>
<tr>
<td>3</td>
<td>Alabama</td>
<td>8.30</td>
</tr>
<tr>
<td>4</td>
<td>Georgia</td>
<td>7.79</td>
</tr>
<tr>
<td>5</td>
<td>Louisiana</td>
<td>7.70</td>
</tr>
<tr>
<td>6</td>
<td>Arkansas</td>
<td>7.53</td>
</tr>
<tr>
<td>7</td>
<td>North Carolina</td>
<td>7.32</td>
</tr>
<tr>
<td>8</td>
<td>South Dakota</td>
<td>7.30</td>
</tr>
<tr>
<td>9 (tie)</td>
<td>Indiana</td>
<td>7.27</td>
</tr>
<tr>
<td></td>
<td>Oklahoma</td>
<td>7.27</td>
</tr>
</tbody>
</table>

- **U.S. Rate=5.90**
- **NC Ranked 8th in 2014**

2015 U.S. Neonatal Mortality Rate Rankings

<table>
<thead>
<tr>
<th>Rank</th>
<th>State</th>
<th>Neonatal Death Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Delaware</td>
<td>7.08</td>
</tr>
<tr>
<td>2</td>
<td>Mississippi</td>
<td>5.39</td>
</tr>
<tr>
<td>3</td>
<td>Georgia</td>
<td>5.09</td>
</tr>
<tr>
<td>4</td>
<td>Alabama</td>
<td>5.05</td>
</tr>
<tr>
<td>5</td>
<td>North Carolina</td>
<td>4.87</td>
</tr>
<tr>
<td>6</td>
<td>Maryland</td>
<td>4.85</td>
</tr>
<tr>
<td>7</td>
<td>Indiana</td>
<td>4.83</td>
</tr>
<tr>
<td>8</td>
<td>Ohio</td>
<td>4.79</td>
</tr>
<tr>
<td>9</td>
<td>South Dakota</td>
<td>4.78</td>
</tr>
<tr>
<td>10</td>
<td>South Carolina</td>
<td>4.56</td>
</tr>
</tbody>
</table>

* U.S. Rate=3.93

Source: National Center for Health Statistics, CDC Wonder, [https://wonder.cdc.gov/](https://wonder.cdc.gov/)
Infant Mortality Rates
United States, 2015

Rate per 1,000 Births
- 4.18 - 4.72
- 4.73 - 5.89
- 5.90 - 6.24
- 6.25 - 7.79
- 7.80 - 9.27

United States 5.90
North Carolina 7.32

Source: National Center for Health Statistics, National Vital Statistics Reports.
Death Final Data: 2015
Racial disparities in infant mortality
## NC Resident Infant Death Rates, 2007-2016

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>8.5</td>
<td>8.2</td>
<td>7.9</td>
<td>7.0</td>
<td>7.2</td>
<td>7.4</td>
<td>7.0</td>
<td>7.1</td>
<td>7.3</td>
<td>7.2</td>
</tr>
<tr>
<td><strong>White NH</strong></td>
<td>6.2</td>
<td>6.0</td>
<td>5.5</td>
<td>5.3</td>
<td>5.5</td>
<td>5.5</td>
<td>5.5</td>
<td>5.1</td>
<td>5.7</td>
<td>5.0</td>
</tr>
<tr>
<td><strong>Af. Am. NH</strong></td>
<td>15.0</td>
<td>14.7</td>
<td>15.8</td>
<td>12.7</td>
<td>12.9</td>
<td>13.9</td>
<td>12.5</td>
<td>12.8</td>
<td>12.5</td>
<td>13.4</td>
</tr>
<tr>
<td><strong>Am. Ind. NH</strong></td>
<td>15.4</td>
<td>15.4</td>
<td>9.5</td>
<td>7.5</td>
<td>8.6</td>
<td>12.3</td>
<td>11.0</td>
<td>9.4</td>
<td>4.9</td>
<td>7.6</td>
</tr>
<tr>
<td><strong>Hispanic</strong></td>
<td>6.6</td>
<td>6.0</td>
<td>5.7</td>
<td>5.0</td>
<td>5.4</td>
<td>4.2</td>
<td>3.7</td>
<td>6.2</td>
<td>5.4</td>
<td>6.0</td>
</tr>
</tbody>
</table>

### 2015-2016

- **White NH**: Declined 12.3%
- **Af Am NH**: Increased 7.2%
- **Hispanic**: Increased 11%
- **American Indian**: Increased 55% (unstable rate)

Source: North Carolina State Center for Health Statistics, 2016 Infant Mortality Report
N.C. Resident Infant Mortality Disparity Ratio*: 1997-2016

In 2016, African American infants were 2.7 times as likely to die in the first year of life compared to NH White infants.

* Ratio of Non-Hispanic Af. Am. to Non-Hispanic White Infant Mortality Rates
Source: North Carolina State Center for Health Statistics, 2016 Infant Mortality Report
Healthy North Carolina 2020 Goals For Infant Mortality
Progress towards Healthy North Carolina 2020 Goals

Reduce the overall infant mortality rate per 1,000 live births

Baseline (2008) 8.2
Current (2016) 7.2
Prior Year (2015) 7.3
Target 6.3
Progress towards Healthy North Carolina 2020 Goals

Reduce the infant mortality racial disparity between whites and African Americans

Baseline (2008) 2.45
Current (2016) 2.68
Prior Year (2015) 2.19
Target 1.92
When are infant deaths occurring?

Most infant deaths occur within the first 28 days after birth.
2016 NC Resident Infant Deaths by Age At Death

Neonatal (<28 days) infant deaths
Postneonatal (>= 28 days) infant deaths

Source: North Carolina State Center for Health Statistics, 2016 Infant Mortality Report
2012-2016 NC Neonatal Death Rates by Race/Ethnicity

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>White Non-Hispanic</td>
<td>3.6</td>
<td>3.9</td>
<td>3.6</td>
<td>3.6</td>
<td>3.0</td>
</tr>
<tr>
<td>Af. Am. Non-Hispanic</td>
<td>9.6</td>
<td>9.1</td>
<td>8.9</td>
<td>8.4</td>
<td>9.4</td>
</tr>
<tr>
<td>Am. Ind. Non-Hispanic</td>
<td>8.0</td>
<td>7.4</td>
<td>4.4</td>
<td>2.4</td>
<td>5.1</td>
</tr>
<tr>
<td>Hispanic</td>
<td>2.8</td>
<td>2.6</td>
<td>4.2</td>
<td>4.2</td>
<td>4.6</td>
</tr>
</tbody>
</table>

Neonatal (<28 days) infant deaths per 1,000 live births

Source: North Carolina State Center for Health Statistics, 2016 Infant Mortality Report
2012-2016 NC Postneonatal Death Rates by Race/Ethnicity

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>White Non-Hispanic</td>
<td>1.9</td>
<td>1.6</td>
<td>1.6</td>
<td>2.1</td>
<td>2.0</td>
</tr>
<tr>
<td>Af. Am. Non-Hispanic</td>
<td>4.4</td>
<td>3.4</td>
<td>3.9</td>
<td>4.2</td>
<td>4.0</td>
</tr>
<tr>
<td>Am. Ind. Non-Hispanic</td>
<td>4.4</td>
<td>3.7</td>
<td>5.0</td>
<td>2.4</td>
<td>2.6</td>
</tr>
<tr>
<td>Hispanic</td>
<td>1.5</td>
<td>1.0</td>
<td>2.0</td>
<td>1.2</td>
<td>1.4</td>
</tr>
</tbody>
</table>

Postneonatal (28-364 days) infant deaths per 1,000 live births

Source: North Carolina State Center for Health Statistics, 2016 Infant Mortality Report
What are the leading causes of infant death?
## Leading Causes of Infant Death, N.C. 2016: Number of Infant Deaths by Cause

<table>
<thead>
<tr>
<th>Cause Category</th>
<th>Deaths</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prematurity/Low Birth Weight</td>
<td>180</td>
<td>20.6</td>
</tr>
<tr>
<td>Birth Defects</td>
<td>166</td>
<td>19.0</td>
</tr>
<tr>
<td>Other Unknown Causes</td>
<td>104</td>
<td>11.9</td>
</tr>
<tr>
<td>Maternal complications</td>
<td>87</td>
<td>10.0</td>
</tr>
<tr>
<td>Other perinatal conditions</td>
<td>84</td>
<td>9.6</td>
</tr>
<tr>
<td>Respiratory Distress</td>
<td>67</td>
<td>7.7</td>
</tr>
<tr>
<td>Infections</td>
<td>50</td>
<td>5.7</td>
</tr>
<tr>
<td>All Other Causes (Residual)</td>
<td>41</td>
<td>4.7</td>
</tr>
<tr>
<td>Accidental Suffocation/Strangulation in Bed</td>
<td>22</td>
<td>2.5</td>
</tr>
<tr>
<td>Respiratory diseases</td>
<td>21</td>
<td>2.4</td>
</tr>
<tr>
<td>Circulatory diseases</td>
<td>17</td>
<td>1.9</td>
</tr>
<tr>
<td>SIDS</td>
<td>13</td>
<td>1.5</td>
</tr>
<tr>
<td>Accidents</td>
<td>13</td>
<td>1.5</td>
</tr>
<tr>
<td>Homicide</td>
<td>8</td>
<td>0.9</td>
</tr>
</tbody>
</table>

Source: North Carolina State Center for Health Statistics, 2016 Infant Mortality Report
# Sudden Unexpected Infant Deaths (SUID) by Listed Cause of Death: 2007-2016

<table>
<thead>
<tr>
<th>Year</th>
<th>SIDS</th>
<th>Cause of Death Unknown</th>
<th>Accidental Suffocation/Strangulation in Bed</th>
<th>TOTAL SUID</th>
<th>% of all Infant Deaths</th>
<th>Rate per 1,000 Live Births</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>98</td>
<td>33</td>
<td>20</td>
<td>151</td>
<td>18.1%</td>
<td>1.3</td>
</tr>
<tr>
<td>2008</td>
<td>136</td>
<td>29</td>
<td>21</td>
<td>186</td>
<td>22.4%</td>
<td>1.6</td>
</tr>
<tr>
<td>2009</td>
<td>98</td>
<td>48</td>
<td>7</td>
<td>153</td>
<td>18.4%</td>
<td>1.3</td>
</tr>
<tr>
<td>2010</td>
<td>53</td>
<td>46</td>
<td>13</td>
<td>112</td>
<td>13.5%</td>
<td>0.9</td>
</tr>
<tr>
<td>2011</td>
<td>50</td>
<td>64</td>
<td>11</td>
<td>125</td>
<td>15.0%</td>
<td>1.1</td>
</tr>
<tr>
<td>2012</td>
<td>28</td>
<td>92</td>
<td>16</td>
<td>136</td>
<td>16.3%</td>
<td>1.1</td>
</tr>
<tr>
<td>2013</td>
<td>23</td>
<td>75</td>
<td>11</td>
<td>109</td>
<td>13.1%</td>
<td>0.9</td>
</tr>
<tr>
<td>2014</td>
<td>28</td>
<td>105</td>
<td>11</td>
<td>144</td>
<td>16.7%</td>
<td>1.2</td>
</tr>
<tr>
<td>2015</td>
<td>12</td>
<td>113</td>
<td>13</td>
<td>138</td>
<td>15.6%</td>
<td>1.1</td>
</tr>
<tr>
<td>2016</td>
<td>13</td>
<td>104</td>
<td>22</td>
<td>139</td>
<td>15.9%</td>
<td>1.2</td>
</tr>
</tbody>
</table>

*ICD-10 Codes: SIDS=R95; Suffocation=W75; Unknown=R99*

Source: State Center for Health Statistics, 2007-2016 NC mortality files
2016 NC Residents Leading Causes of Death: Neonatal vs. Postneonatal

Neonatal
- Prematurity/Low Birth Weight: 30%
- Birth Defects: 21%
- Other perinatal conditions: 14%
- Maternal Complications: 14%
- Infections: 6%
- Respiratory Conditions: 10%
- Other Unknown Causes: 3%
- All Other Causes: 3%

Postneonatal
- Other Unknown Causes: 32%
- All Other Causes: 16%
- Birth Defects: 16%
- Suffocation/Strangulation: 7%
- Respiratory Diseases: 7%
- Infections: 6%
- Other Accidents: 4%
- Other Causes: 5%
- SIDS: 5%

Source: State Center for Health Statistics, 2016 Infant Mortality Report
Preconception Health and Reproductive Life Planning
NC Resident Females Ages 18 to 44: Percent Reporting Healthcare Worker Ever Discussed Preconception Health Topics

- Plans for Having Children: 45.9%
- Importance of Being at a Healthy Weight Prior to Pregnancy: 46.5%
- Risks of Tobacco, Alcohol & Drug Use for A Healthy Pregnancy: 50.6%
- Ways to Prepare for a Healthy Pregnancy & Baby: 47.9%

Source: North Carolina State Center for Health Statistics, 2016 North Carolina Behavioral Risk Factor Surveillance System
13. Thinking back to *just before* you got pregnant with your new baby, how did you feel about becoming pregnant?

Check ONE answer

- [ ] I wanted to be pregnant later
- [ ] I wanted to be pregnant sooner
- [ ] I wanted to be pregnant then
- [ ] I didn’t want to be pregnant then or at any time in the future
- [ ] I wasn’t sure what I wanted

Go to Question 15
Thinking back to just before you got pregnant with your new baby how did you feel about becoming pregnant?

Intended, 57.4%

Unintended, 27.9%

Wasn't sure, 14.7%

Source: NC State Center for Health Statistics, 2015 Pregnancy Risk Assessment Monitoring System (NC PRAMS)
Geographic Patterns in Infant Mortality & related indicators
North Carolina
Infant Mortality Rates by County
2016

Rates Per 1,000 Live Births

- 0.0 - 2.7
- 2.8 - 7.7
- 7.8 - 12.9
- 13.0 - 23.8
- Suppressed*

* Rates based on less than 10 deaths are unstable and should be interpreted with caution.
Northeastern and Western region are meeting the Healthy NC 2020 target of 6.3
North Carolina
Infant Mortality Rates by County
2012 - 2016

Rates Per 1,000 Live Births

- 0.0 - 4.9
- 5.0 - 7.4
- 7.5 - 10.3
- 10.4 - 19.0
- Suppressed*

* Rates based on less than 10 deaths are unreliable and have been suppressed.
North Carolina White (non-Hispanic) Infant Mortality Rates by Perinatal Care Regions (PCR) 2012 - 2016

PCR II Northwestern
N=483

PCR IV Northeastern
N=306

PCR VI Eastern
N=294

PCR I Western
N=177

PCR III Southwestern
N=269

PCR V Southeastern
N=271

Rates Per 1,000 White Live Births
- 4.3
- 4.4 - 4.5
- 4.6 - 5.8
- 5.9 - 6.2
- County Boundary

schs
State Center for Health Statistics

NCPH
North Carolina Public Health
North Carolina African American (non-Hispanic) Infant Mortality Rates by Perinatal Care Regions (PCR) 2012 - 2016

Rates Per 1,000 African American Live Births

- 12.0
- 12.1 - 12.7
- 12.8 - 13.4
- 13.5 - 13.9

County Boundary
North Carolina Infant Mortality Racial Disparities Between White (Non-Hispanics) and African-American (Non-Hispanics) by Perinatal Care Regions (PCR) 2012 - 2016

Disparity Ratio
- 2.2
- 2.3
- 2.4
- 2.5 - 2.8
- County Boundary

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State Center for Health Statistics

North Carolina Public Health
North Carolina
Perinatal Death Rates by Perinatal Care Regions (PCR)
2012 - 2016

Rate per 1,000 Live Births
- 10.6 - 10.9
- 11.0 - 11.4
- 11.5 - 11.9
- 12.0 - 12.9

County Boundary
North Carolina
Neonatal Death Rates by Perinatal Care Regions (PCR)
2012 - 2016

Rate per 1,000 Live Births
- 6.2 - 6.4
- 6.5 - 6.7
- 6.8 - 6.9
- 7.0 - 7.7

County Boundary

schs
State Center for Health Statistics

North Carolina Public Health
North Carolina
Percent 2016 Births to Mothers Who Smoke by Perinatal Care Regions (PCR)

Percent
- 4.7
- 4.8 - 6.7
- 6.8 - 11.2
- 11.3 - 14.7

County Boundary
North Carolina
Percent 2016 Births Delivered by Cesarean Section by Perinatal Care Regions (PCR)

Percent
- 28.4 - 28.7
- 28.8 - 29.3
- 29.4 - 30.3
- 30.4 - 30.9

NC: 29.4%
North Carolina
Percent 2016 Births with Late (2nd or 3rd Trimester) or No Prenatal Care by Perinatal Care Regions (PCR)
North Carolina
Percent 2016 Births to Mothers with Less Than a High School Education by Perinatal Care Regions (PCR)
North Carolina
Percent 2016 Births to Mothers Who Are Less Than 18 Years of Age by Perinatal Care Regions (PCR)

PCR II Northwestern
PCR IV Northeastern
PCR VI Eastern

PCR I Western
PCR III Southwestern

Percent
1.3
1.4 - 1.6
1.7 - 1.8
1.9 - 1.8
County Boundary

State Center for Health Statistics
North Carolina Public Health
North Carolina
Percent 2016 Births to Mothers Who Are Overweight or Obese by Perinatal Care Regions (PCR)
North Carolina
2015 Estimated Percent Population Below Poverty by Perinatal Care Regions (PCR)

Percent
- 14.6 - 15.1
- 15.2 - 17.2
- 17.3 - 18.1
- 18.2 - 20.6

Source: US Census, American Community Survey
North Carolina
2015 Estimated Percent of Women Aged 18 to 44 Who Are Below Poverty by Perinatal Care Regions (PCR)

Source: US Census, American Community Survey
North Carolina

2015 Estimated Percent of Population Who Are Uninsured by Perinatal Care Regions (PCR)

Source: US Census, American Community Survey
Summary

• Average of 2 infants die each day in North Carolina

• 2016 infant death rate of 7.2 is slightly lower than the rate for 2015 (7.3)

• Historically, NC rates are higher than US

• NC continues to rank among the 10 highest infant mortality rates in the country
Summary

• Among all racial/ethnic groups, non-Hispanic African Americans had the highest infant death rates in 2016.

• Significant disparities between NH White & NH Af Am rates have persisted over the last two decades.

• NC will need to reduce our Infant Mortality Rate by 12.5% in order to reach our Healthy NC 2020 target for infant mortality.
Summary

• Prematurity/Low Birthweight, Birth Defects, Maternal conditions, unknown causes, & Perinatal conditions account for over 70% of all infant deaths

• Eastern regions of the state have the highest infant, fetal, neonatal, postneonatal, & perinatal mortality rates

• Eastern region also has one of the highest poverty rates
Do you have questions or need more data?

State Center for Health Statistics website: www.schs.state.nc.us/

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