



Infant Mortality 2016

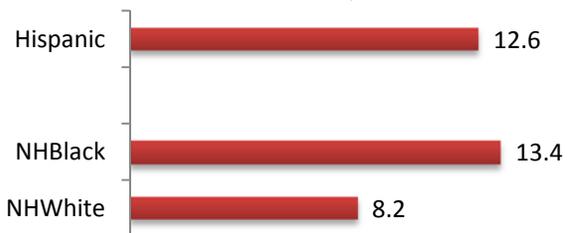
Mahoning County



Low Birth Weight and Prematurity

In 2016, 2498 babies were born to Mahoning County residents. **9.9%** of infants were born with a Low Birth Weight¹ (<2500g) and **12.9%** of infants were born Premature¹ (<37 weeks).

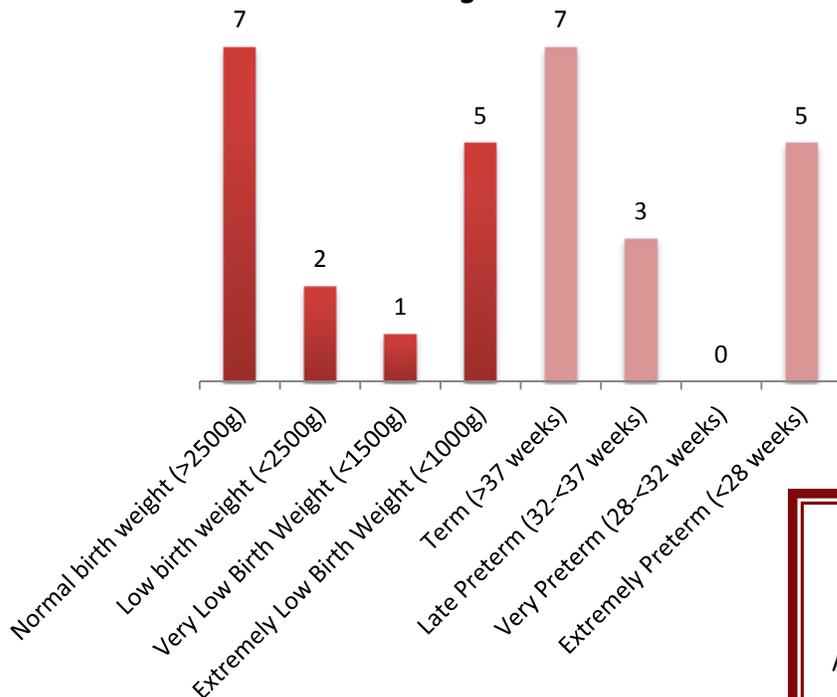
Low Birth Weight births based on ethnicity and race



Preterm births based on ethnicity and race



Infant Mortality by birth weight and gestation



My Baby's 1st set a goal to reduce the rate of preterm births from 13.1% to 11.8% by 2019.

Healthy People 2020 has set a goal to lower low birth weight births to 7.8% by 2020.

The March of Dimes (MoD) has set a goal of lowering the preterm birth rates to 8.1% by 2020.

¹LBW and Premature rates per 100 live births

²Based on births with available data: 1507 singleton births with a previous live birth

³Based on infant death with a previous live birth

⁴IMR=Infant Mortality Rate per 1,000 live births

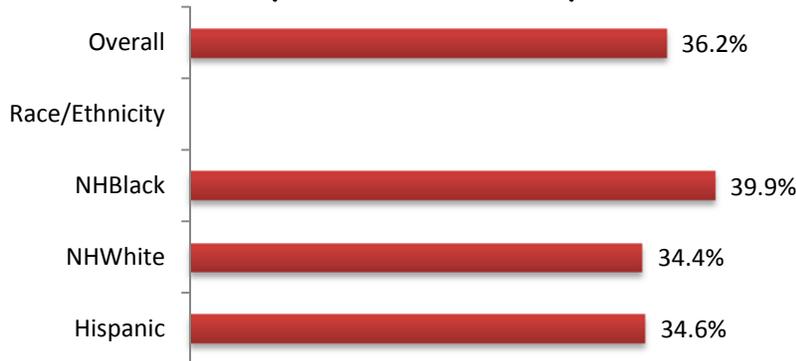
⁵ Adapted from Ohio Department of Health

*Data for analysis was obtained from the Ohio Department of Health (ODH) Secure Data Warehouse; excludes birth records with missing/unknown data

Birth Spacing

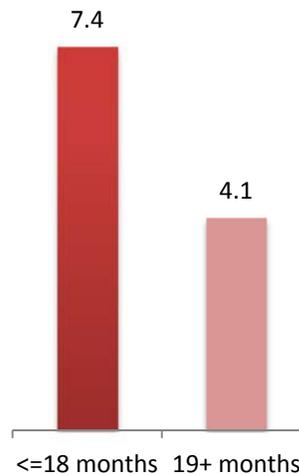
In 2016, **36.2%** of live births² had an interval of 18 months or less. The rate of infant mortality for births with poor birth spacing was **7.4**³.

Percent of births with poor birth spacing by race and ethnicity

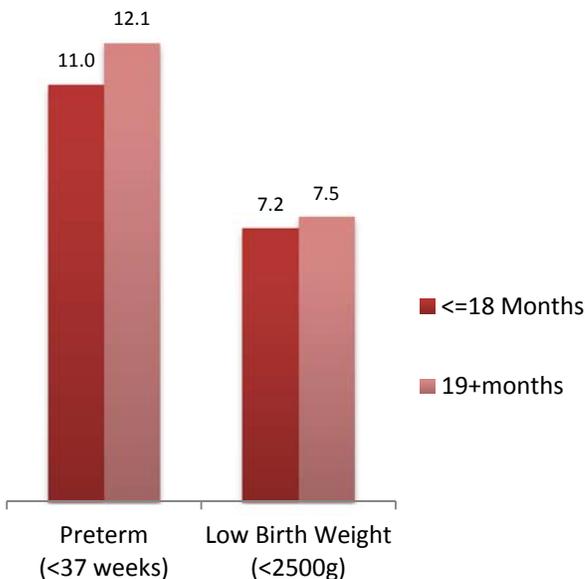


Non-Hispanic Black women were most likely to have poor birth spacing. 39.9% of Non-Hispanic Black births had an <=18 month interval.

Infant Mortality and Birth Spacing



Preterm, Low Birth Weight and Birth Spacing



Birth intervals of less than 18 months have been associated with poor birth outcomes including low birth weight, preterm birth, placental abruption, and other poor birth outcomes and maternal morbidities.

My Baby's 1st set a goal to reduce the percentage of women becoming pregnant within 18 months of a prior delivery to 28% by 2017.

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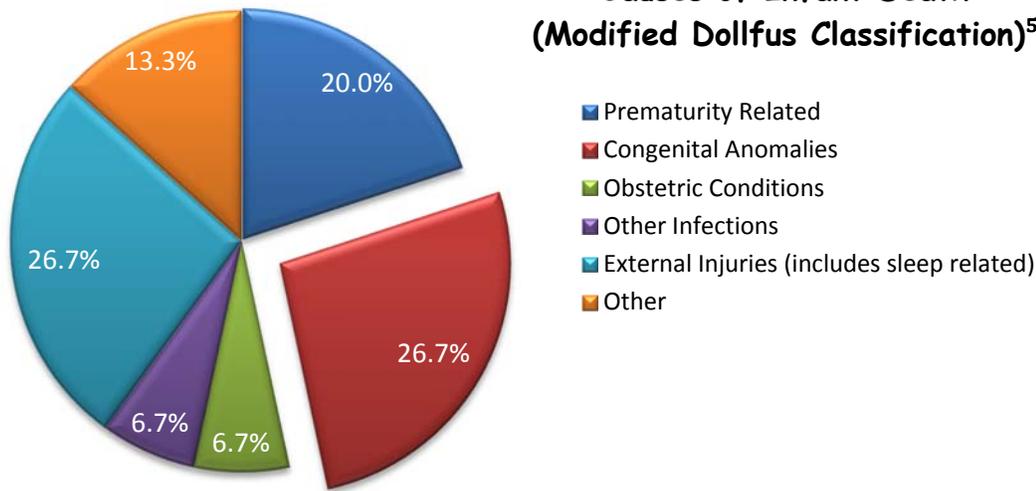
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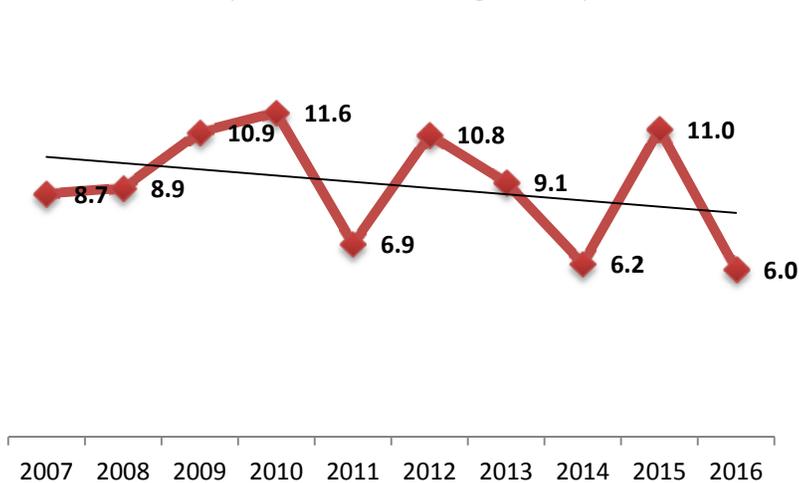
Infant Mortality

In 2016, Mahoning County experienced a significant drop in infant mortality compared to the 2015 overall rate of **11.0**. The overall Infant Mortality Rate (IMR¹), in 2016, was **6.0**. However, the disparity between Non-Hispanic Black and Non-Hispanic White infant mortality almost doubled (see *Disparity*).

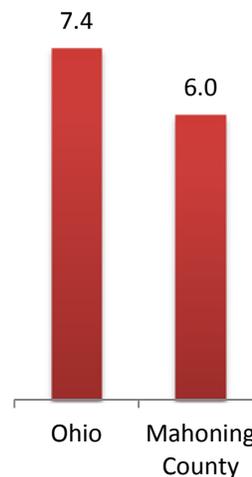
**Causes of Infant Death
(Modified Dollfus Classification)⁵**



Infant Mortality Rates, Mahoning County, 2007-2016



Overall Infant Mortality rates, 2016



The death of a baby before his or her first birthday is a critical indicator of a community's health. Healthy People 2020 set a goal to decrease the infant mortality rate to ≤6.0.

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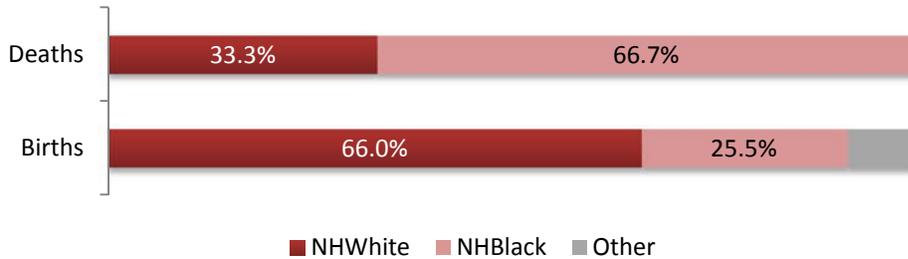
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Disparity

While the overall infant mortality rate in Mahoning County has decreased, the disparity rate has increased almost two times the 2015 rate. In 2016, **66.7%** of infant deaths in Mahoning County were identified as Non-Hispanic Black.

Deaths and Births based on race

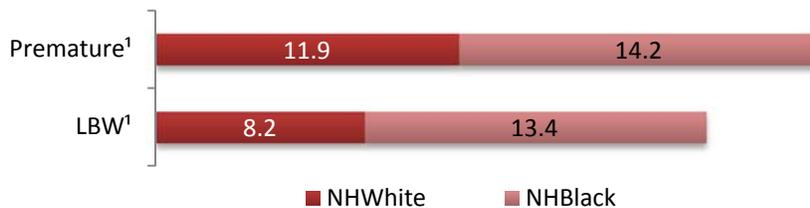


Infant Mortality Rate based on race



Non-Hispanic Black infants were **1.2x** more likely to be born Premature than Non-Hispanic White infants, and **1.6x** more likely to be born with a Low Birth Weight than Non-Hispanic White infants.

Preterm and Low Birth Weight rates based on race



*In Mahoning County, black infants were **5.2x** more likely to die than white infants. This is almost **two times** the disparity rate of 2015 which was **2.7x**.*

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