

Epidemiology Update

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Epidemiology & Infant Mortality

- Epidemiology
- Perinatal Periods of Risk
- Programs & Initiatives
- Infant Mortality

What is Infant Mortality?

- Viable Infant: any infant over 20 weeks gestation who draws just one breath
- Infant Mortality: the death of a viable infant

Infant Mortality Rate

infant deaths in a year

----- x 1,000

of live born infants in the same year

Example: In 2016, the Stark County IMR was $(38/4101) \times 1,000 = 9.3$

Why use a Rate?

- Standard Calculation
- Personalizes the data
 $(38/4101) \times 1,000 = 9.3 \text{ IMR}$ vs. $(38/4101) \times 100 = .93\%$
- Equalizes the population

2016 IMR*

- Black IMR = 21.5
- White IMR = 8.0
- Black/White IMR Ratio = 2.7
- Overall IMR = 9.3

- Healthy People 2020 IMR Goal = 6.0

*ALL DATA IS PRELIMINARY AND SUBJECT TO CHANGE AS
VITAL STATS INFORMATION IS UPDATED/FINALIZED BY THE OHIO DEPARTMENT OF
HEALTH

2017 Mid-Year Data Update

- Nine infant deaths between Jan1 - Jun 30
- Canton 7
- Alliance 2
- Massillon 0

Fast Facts-Women 2007-2016

- Age 25-29 y/o
- Unmarried
- Receiving Medicaid
- Not at recommended weight
- Risk Factors for poor pregnancy outcomes
- Did not receive progesterone therapy
- Not receiving WIC
- Smokers

Fast Facts - Infants 2007 - 2016

- Low Birth Weight
- Born preterm
- Not breastfed
- Died in the first 28 days of life

Social Determinants of Health

- Life Stressors
- Housing / Zip Code
- Economic Stability
- Education
- Social Support
- Racism
- Community Resources
- Access to Food, Healthcare
- Transportation
- Public Safety

Personal Health

- Smoking / Drugs / Alcohol
- Age
- Birth Spacing
- Weight
- Poor Physical / Mental Health

Resources for You

- World Health Organization: www.who.int/en/
- Centers for Disease Control: www/cdc.gov
- WONDER: wonder.cdc.gov
- Ohio Department of Health: odh.ohio.gov
- March of Dimes: marchofdimes.org
- Healthy People 2020: www.healthypeople.gov
- City Match: www.citymatch.org
- Robert Wood Johnson Foundation: www.rwjf.org
- 500 Cities Project: see websites above for CDC and RWJF
- Stark County Regional Planning Commission
www.starkcountyohio.gov/regional-planning

THANK YOU

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