

A health scorecard for determining state-level public health priorities for women, infants and children

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Presenter Disclosure

The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

United Health Foundation provided funding to Arundel Metrics, Inc. (Independent Contractor) to write *America's Health Rankings Health of Women and Children Report*.

Health of Women and Children Report



The report serves to:

- Drive discussion of women's, infants' and children's health by providing a comprehensive, single source of information
- Focus attention on the indicators that have the most potential to improve health and drive positive change
- Provide a benchmark for states to gauge their relative performance in the health of women of reproductive age, infants and children

Health of Women and Children Rankings

62 measures of health

- Women (ages 15-44)
- Infants (age <1)
- Children (ages 0-17)



Data from multiple public-use data sets, including

- Behavioral Risk Factor Surveillance System (BRFSS)
- Pregnancy Risk Assessment Monitoring System (PRAMS)

Rankings calculated using 56 measures; 4 state-level summary rankings

How We Measure *Women's* Health

Behaviors

- Chlamydia
- Excessive drinking
- Obesity
- Physical inactivity
- Smoking

Community & Environment

- Concentrated disadvantage
- Food insecurity-Household
- Intimate partner violence-Lifetime
- Intimate partner violence-Pregnancy*

Policy

- Postpartum visit*
- Publicly-funded women's health services
- Uninsured women

Clinical Care

- Cervical cancer screening
- Dedicated health care provider
- Dental visit
- Flu vaccine
- Well-woman visit

Health Outcomes

- Diabetes
- Drug deaths
- Intended pregnancy*
- Maternal mortality
- Postpartum depression*

*Not included in the rankings

How We Measure *Infants'* Health

Behaviors

- Alcohol consumption during pregnancy*
- Breastfed
- Sleep position*
- Smoking Use During Pregnancy

Community & Environment

- Household smoke
- Infant child care cost

Policy

- Baby-friendly facility
- mPINC

Clinical Care

- Low-risk cesarean delivery
- Prenatal care before third trimester
- Well-baby check

Health Outcomes

- Infant mortality
- Low birthweight
- Neonatal mortality
- Preterm birth

*Not included in the rankings

How We Measure *Children's* Health

Behaviors

- High school graduation
- Overweight or obesity
- Substance use disorder
- Tobacco use

Community & Environment

- Adverse Childhood Experiences (2+)
- Neighborhood amenities
- Protective family routines and habits
- Supportive neighborhoods

Policy

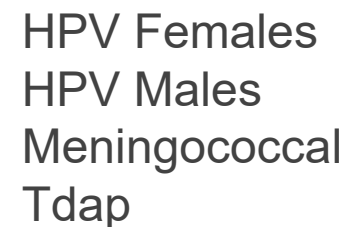
- Adequate health insurance
- Children with health insurance
- Homeless family households
- Water fluoridation

Clinical Care

- Adolescent well-visit
- Developmental screening
- Immunizations—Adolescents
- Immunizations—Children
- Medical home for children with special health care needs

Health Outcomes

- Child mortality
- Missed school days
- Teen births
- Teen suicide

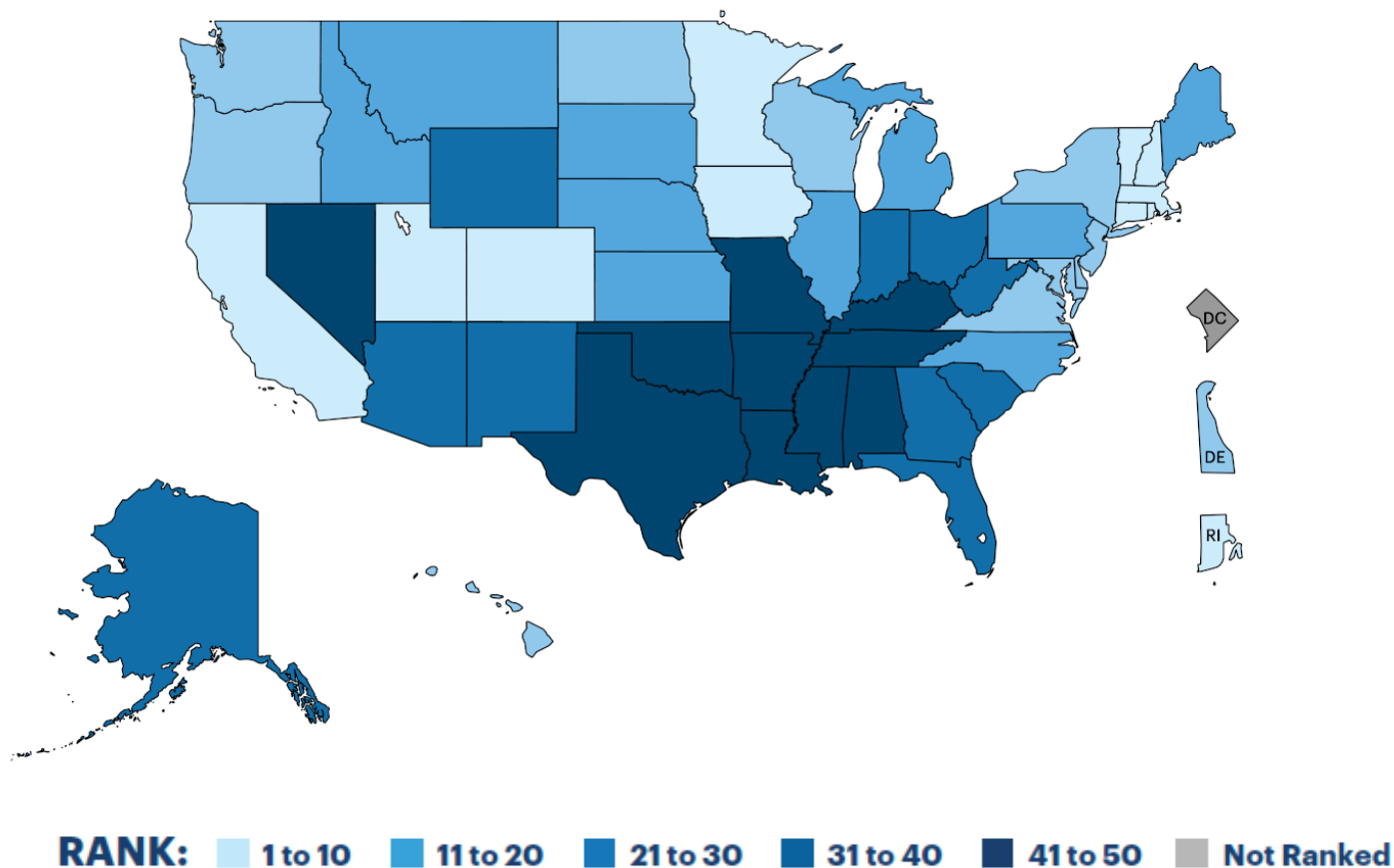


HPV Females
HPV Males
Meningococcal
Tdap



Findings

2018 Health of Women, Infants and Children State Rankings

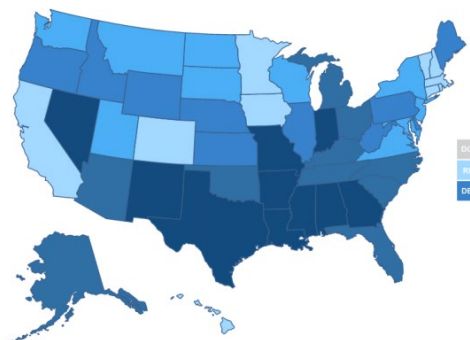


Healthiest and Least Healthy States



2018 Women, Infants and Children State Rankings

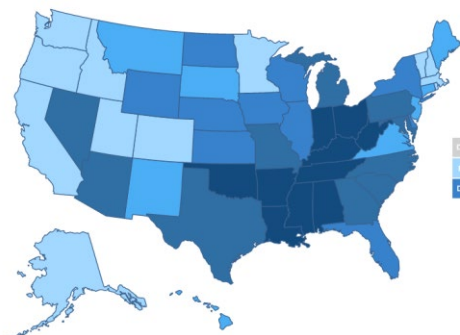
Women



1. Massachusetts
2. Vermont
3. Minnesota
4. Rhode Island
5. Iowa

46. Missouri
47. Mississippi
48. Arkansas
49. Louisiana
50. Texas

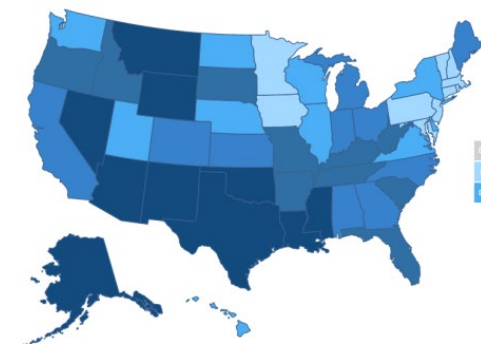
Infants



1. New Hampshire
2. California
3. Oregon
4. Rhode Island
5. Idaho

46. Tennessee
47. Arkansas
48. Alabama
49. West Virginia
50. Mississippi

Children

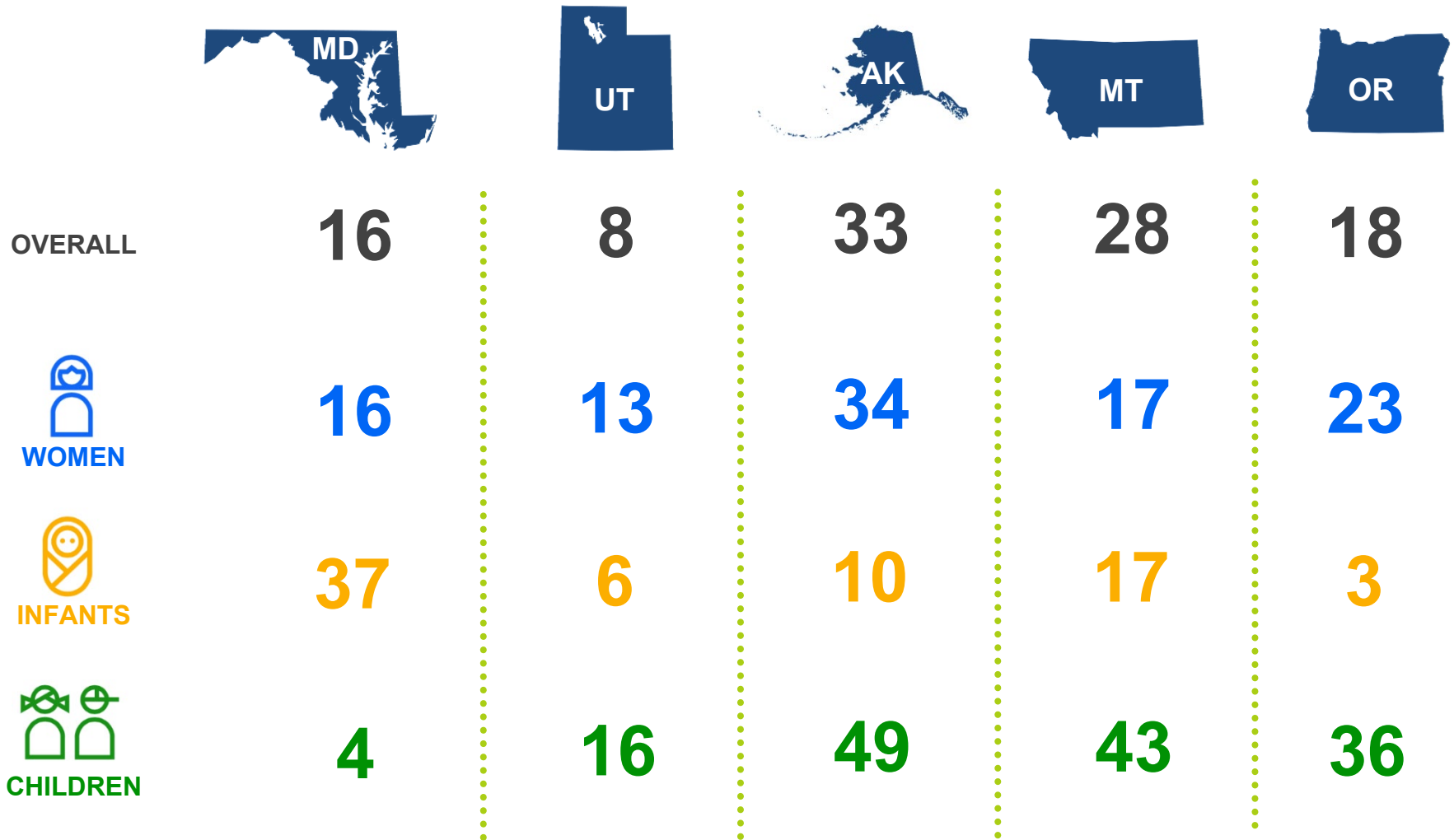


1. Massachusetts
2. Connecticut
3. New Hampshire
4. Maryland
5. Vermont

46. Wyoming
47. Nevada
48. Oklahoma
49. Alaska
50. Mississippi

RANK: 1 to 10 11 to 20 21 to 30 31 to 40 41 to 50 Not Ranked

Differences within states



Progress in Tobacco Use and Clinical Care

ENCOURAGING DECLINES IN TOBACCO USE



Smoking among women (aged 18-44) **DECREASED 10%** (from 17.4% to 15.6%).

Tobacco use during pregnancy **DECREASED 7%** (from 8.4% to 7.8%).

Tobacco use among youth (aged 12-17) **DECREASED 23%** (from 7.4% to 5.7%).

PROGRESS ACROSS KEY MARKERS OF CLINICAL CARE



27% DECLINE in the percentage of uninsured (from 16.8% to 12.2%).

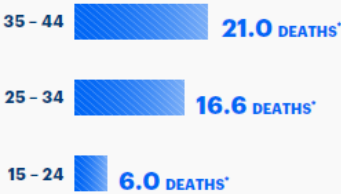
14% INCREASE in the percentage of infants breastfed exclusively for six months.

8% DECLINE in the births among teens (aged 15-19).

3% INCREASE of women (aged 18-44) report having a dedicated health care provider (from 71.6% to 73.7%).

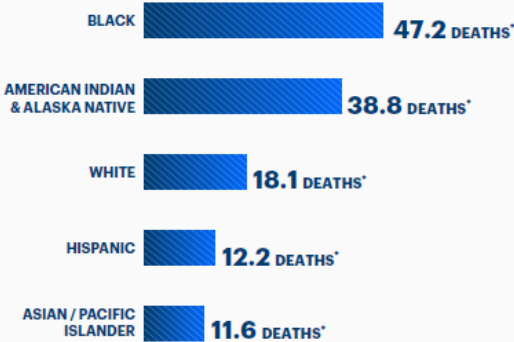
Challenges in Disparities in Mortality

THE RATE OF DRUG DEATHS INCREASES WITH AGE



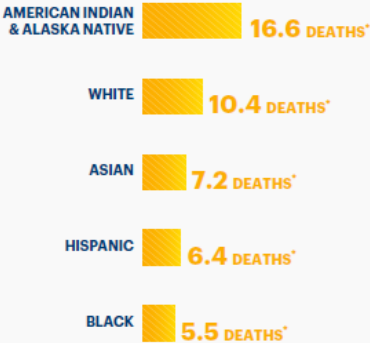
* Deaths per 100,000 females from 2018 Edition

RATE OF MATERNAL MORTALITY BY RACE / ETHNICITY



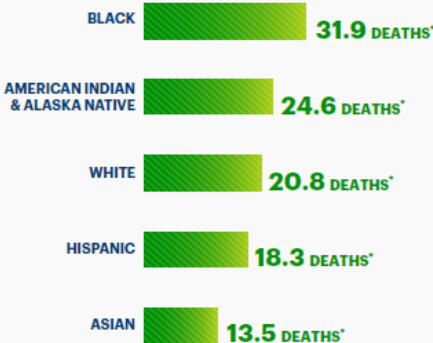
* Deaths per 100,000 live births from 2018 Edition

TEEN SUICIDE RATE BY RACE / ETHNICITY



* Deaths per 100,000 adolescents aged 15-19 from 2018 Edition

CHILD MORTALITY RATE BY RACE / ETHNICITY



* Deaths per 100,000 children aged 1-18 from 2018 Edition

Challenges in Differences in Mortality Across States

RATE OF DRUG DEATHS AMONG FEMALES

Deaths per 100,000 females aged 15-44

Highest Rate
WEST VIRGINIA

Lowest Rate
HAWAII

41.6
DEATHS

8X
DIFFERENCE

5.5
DEATHS

TEEN SUICIDE RATE

Deaths per 100,000 adolescents aged 15-19

Highest Rate
ALASKA

Lowest Rate
RHODE ISLAND

35.1
DEATHS

7.5X
DIFFERENCE

4.7
DEATHS

MATERNAL MORTALITY RATE

Deaths per 100,000 live births

Highest Rate
GEORGIA

Lowest Rate
CALIFORNIA

46.2
DEATHS

10X
DIFFERENCE

4.5
DEATHS

CHILD MORTALITY RATE

Deaths per 100,000 children aged 1-18

Highest Rate
SOUTH DAKOTA

Lowest Rate
CONNECTICUT

36.4
DEATHS

3X
DIFFERENCE

12.8
DEATHS

Data Tools

State Summary



Overall Rank 7

Women's Ranking 10

Infants' Ranking 2

Children's Ranking 21

Strengths

- Low maternal mortality rate
- High percentage of infants exclusively breastfed for six months
- Low prevalence of 2+ adverse childhood experiences

Challenges

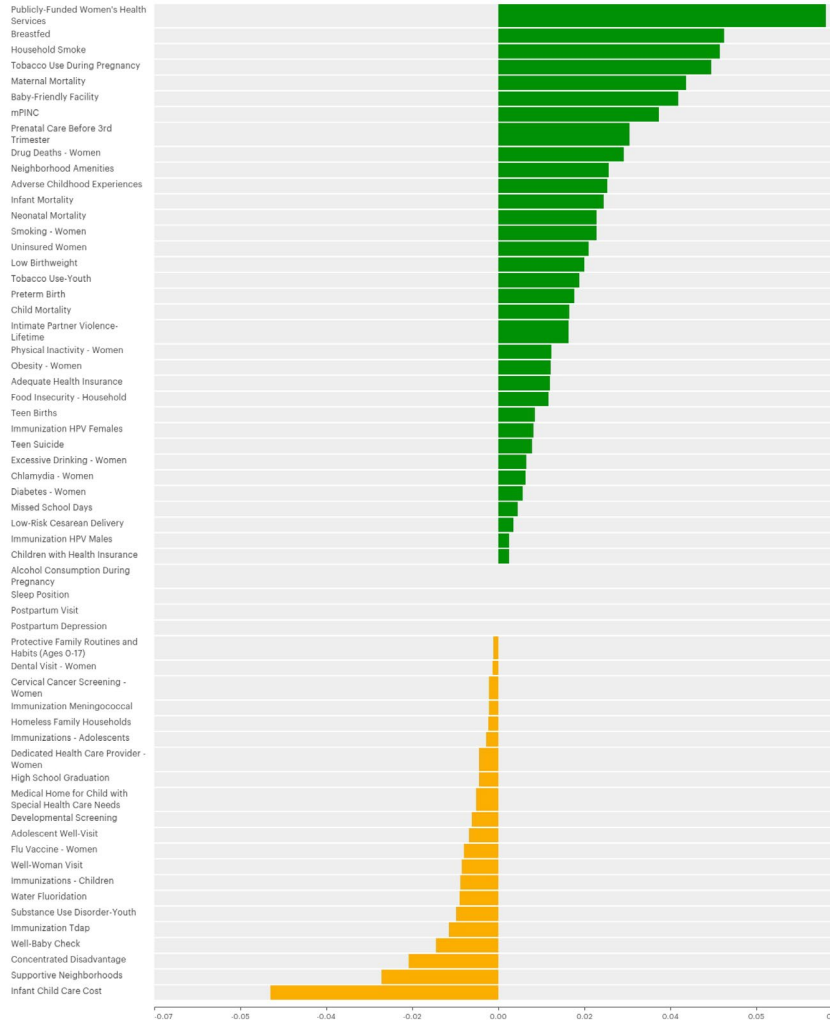
- High cost of infant child care
- Low prevalence of supportive neighborhoods
- High prevalence of concentrated disadvantage

Highlights

- Since the 2016 edition, the percentage of uninsured women aged 18-44 decreased 44% from 17.1% to 9.6%
- Since the 2016 edition, maternal mortality decreased 24% from 5.9 to 4.5 deaths per 100,000 live births (5-year averages)
- Since the 2016 edition, infant child care cost increased 10% from 14.4% to 15.9% of married-couple's median income
- Since the 2016 edition, neonatal mortality decreased 6% from 3.2 to 3.0 deaths per 1,000 live births (2-year averages)
- Since the 2016 edition, teen suicide increased 21% from 5.3 to 6.4 deaths per 100,000 adolescents aged 15-19 (3-year averages)
- Since the 2016 edition, immunizations among children aged 19-35 months decreased 16% from 77.9% to 65.3%

Core Measure Impact Graph

Core Measures Impact: California, 2018 Health Of Women And Children Report



Positive impact on a state's ranking



Negative impact on a state's ranking

State Comparison Tool

AMERICA'S HEALTH RANKINGS UNITED HEALTH FOUNDATION

Health of Women and Children

MEASURES: Overall-HWC STATE: CA + MN EDITION YEAR: 2018

DOWNLOAD DATA CA STATE SUMMARY

CHOOSE A STATE COMPARE MULTIPLE STATES

COMPARE:

CA

WITH

The highest or lowest ranking states: An individual state: A neighboring state: A state with a similar score: The highest or lowest ranking states:

Compare your state with

- An individual state
- A neighboring state
- A state with a similar score
- The highest or lowest ranking state

Data In Action

Uses of the Data

2016 Health of Women and Children report has been downloaded over 8,000 times

2018 Health of Women and Children Report (not available as PDF) has been viewed more than 17,000 times

Leveraged by American College of Obstetricians and Gynecologists, Association of State and Territorial Health Officials and ASTHO's Breastfeeding Learning Community

Reducing Infant Mortality in Ohio

- CelebrateOne initiative in Ohio focusing on reducing infant mortality and closing the gap in racial/ethnic disparities

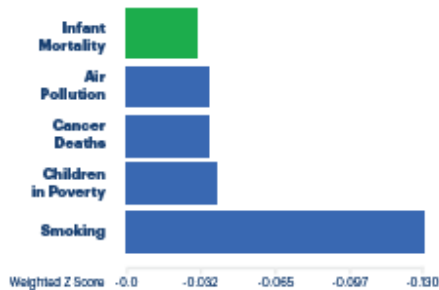
2017 Infant Mortality Rank



2017 Overall Rank

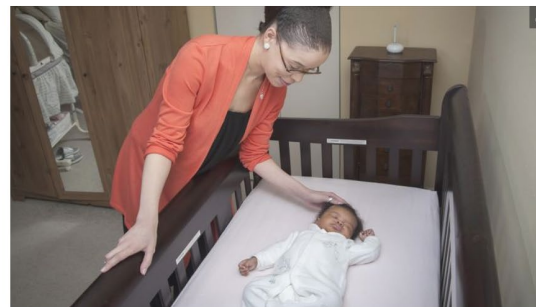


A high infant mortality rate is a significant driver of Ohio's state ranking



Top five challenges in Ohio's 2017 Annual Report ranking

Viewpoint: CelebrateOne initiative is improving public health and work readiness in Columbus and Franklin County



Parents are advised to follow the ABCs of safe sleep for infants - alone, on their back, in a crib.
COLUMBUS PUBLIC HEALTH

By Erika Clark Jones

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Conclusions

Conclusions

Builds on the history of *America's Health Rankings* to support better health and encourage building of healthier communities

Provides a comprehensive picture of the health of women, infants and children in America

Allows stakeholders to identify areas to improve the health of women and children and develop data-driven solutions

Thank You.

Explore data.

Gain insights.

Learn more about your state.

VISIT: www.AmericasHealthRankings.org