

# Infant Mortality and Maternal Mortality in Georgia



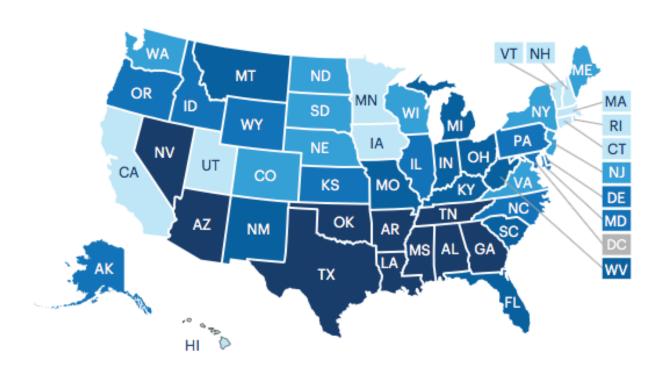
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Division of Health Promotion
September 20, 2017

#### Infant and Maternal Mortality

- What is the epidemiology in Georgia?
- What are the primary causes?
- What are current efforts to prevent mortality?
- What does the future hold?

#### America's Health Rankings

Overall Rankings for Women and Children's Health



Infant mortality: #43

Maternal mortality: #48

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

Source: United Health

Foundation

We Protect Lives.

Healthy mothers



Healthy babies



Maternal mortality

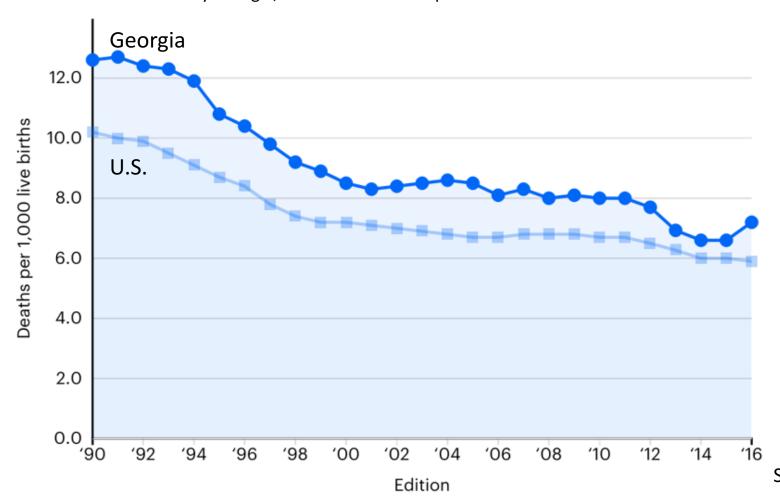


Infant mortality

# **INFANT MORTALITY**

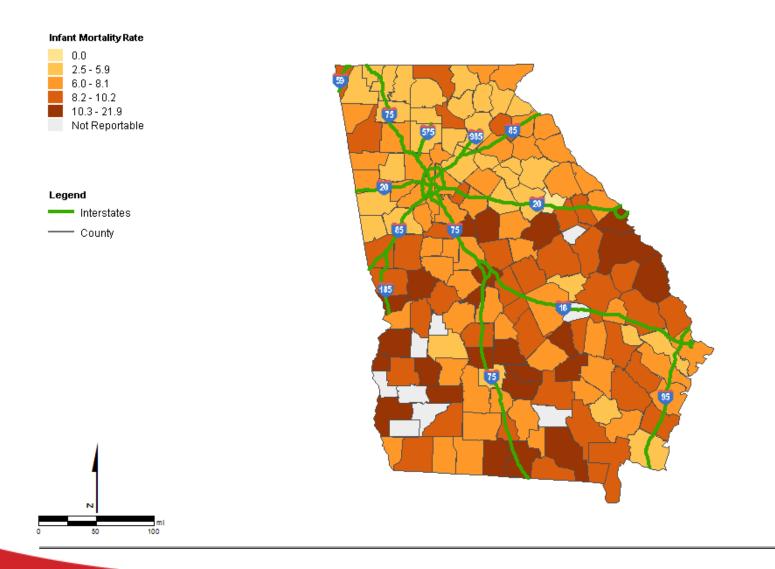
## **Infant Mortality**

Trend: Infant Mortality Georgia, U.S. 2016 Annual Report



Source: CDC National Vital Statist

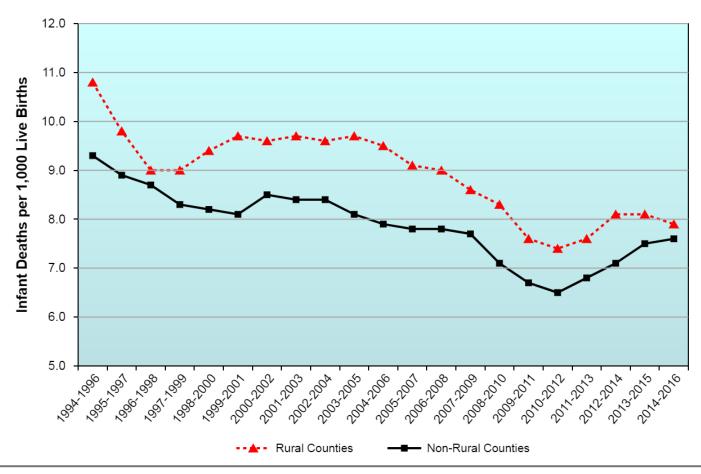
#### Infant Mortality Rate by County, GA, 2007-2016

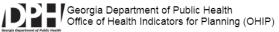


Source: DPH OASIS

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#### Infant Mortality by Geography, GA, 1994-2016

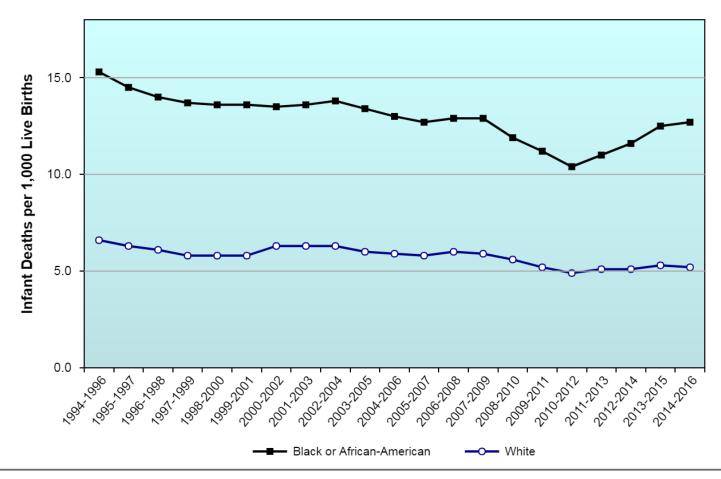




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Source: DPH OASIS

#### Infant Mortality by Race, GA, 1994-2016

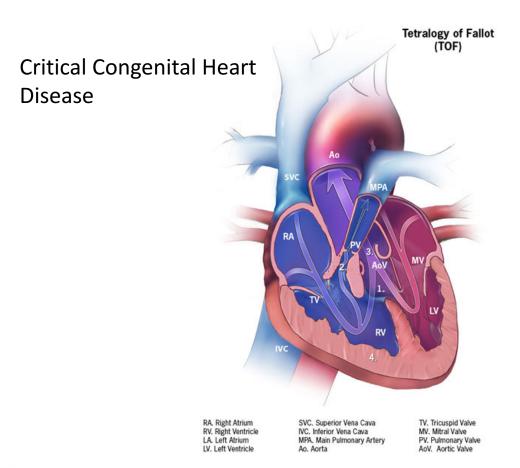


#### Top Causes of Infant Mortality, U.S.

- 1. Birth defects (21%)
- 2. Preterm/ LBW (18%)
- 3. Maternal factors (7%)
- 4. Sleep-related (7%)
- 5. Other

Source: <a href="http://www.cdc.gov/nchs/">http://www.cdc.gov/nchs/</a> products/databriefs/db229.htm

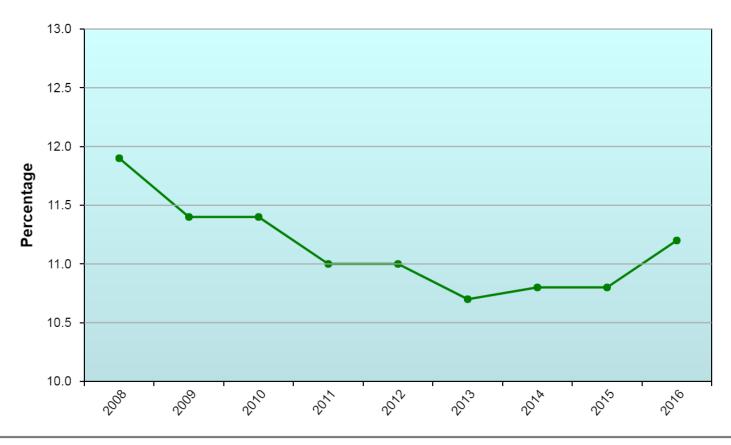
#### Birth Defects

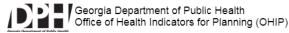


Zika



#### Percent Preterm Births, GA, 2008-2016



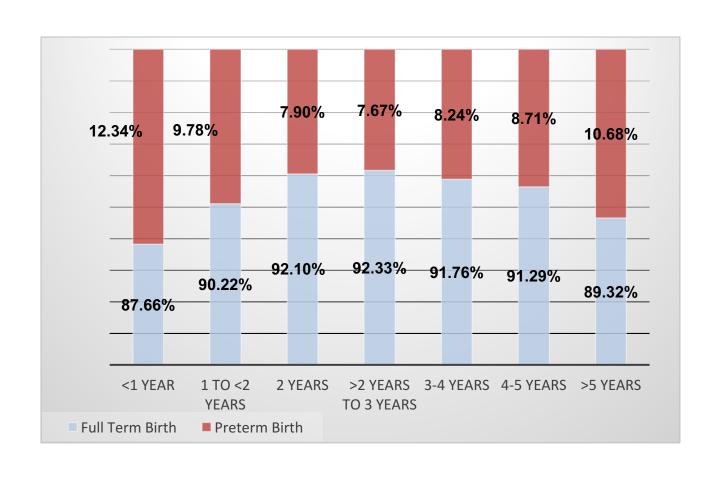


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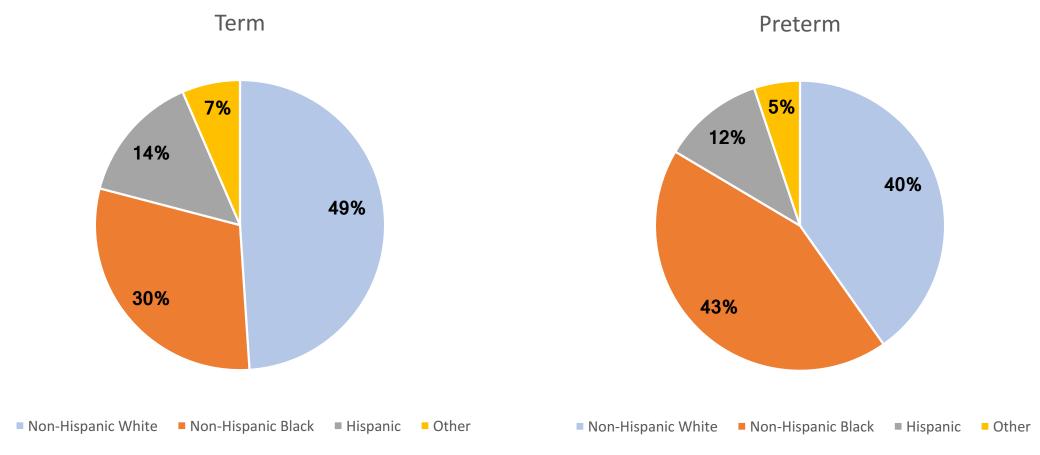
Source: DPH OASIS

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#### Interpregnancy interval, GA, 2014 – 2015

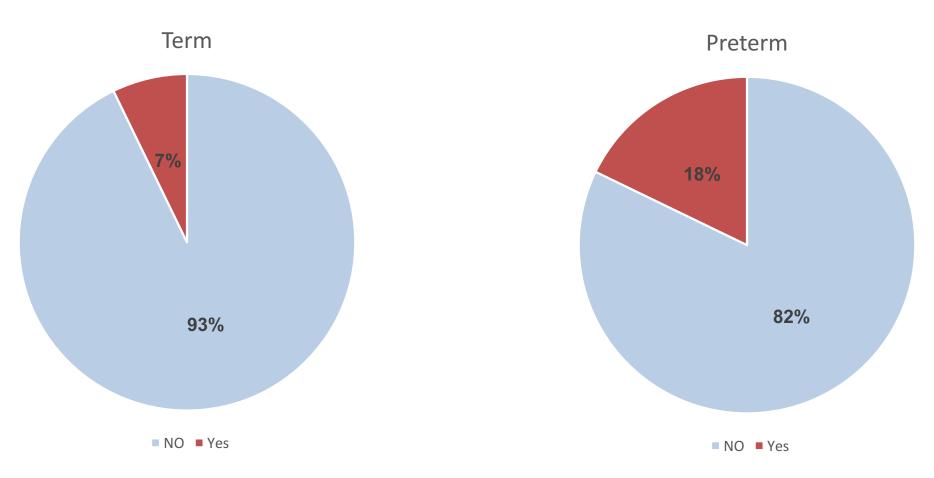


#### Birth by Maternal Race & Ethnicity, GA, 2014-2015



Source: College of Public Health, University of GA in partnership with March of Dimes

#### Maternal complications, GA, 2014 – 2015



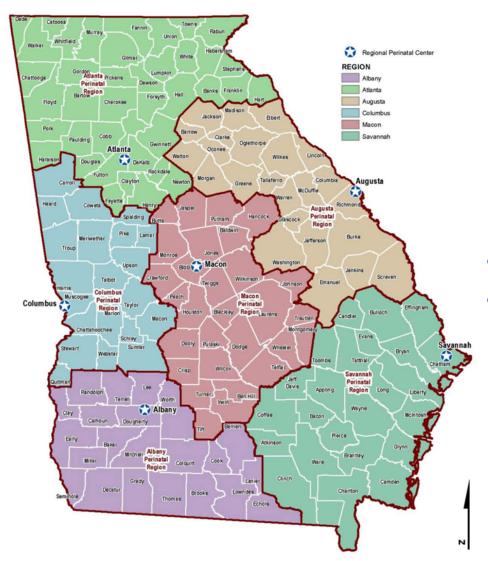
Source: College of Public Health, University of GA in partnership with March of Dimes

# Long-acting Reversible Contraceptives (LARCs)



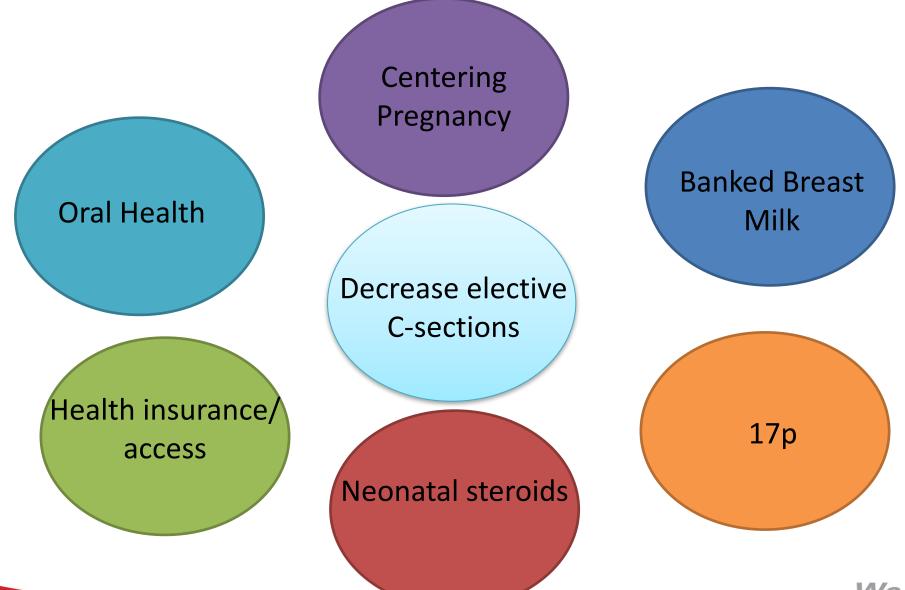
Every \$1 invested in DPH Family Planning resulted in \$20.61 saved in Medicaid costs.

#### Regional Perinatal Centers

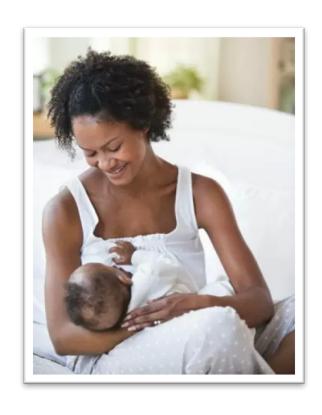


Mission Statement: The purpose of the Regional Perinatal Centers is to coordinate access to optimal and appropriate maternal and infant health care.

# Improved Prenatal and NICU Care



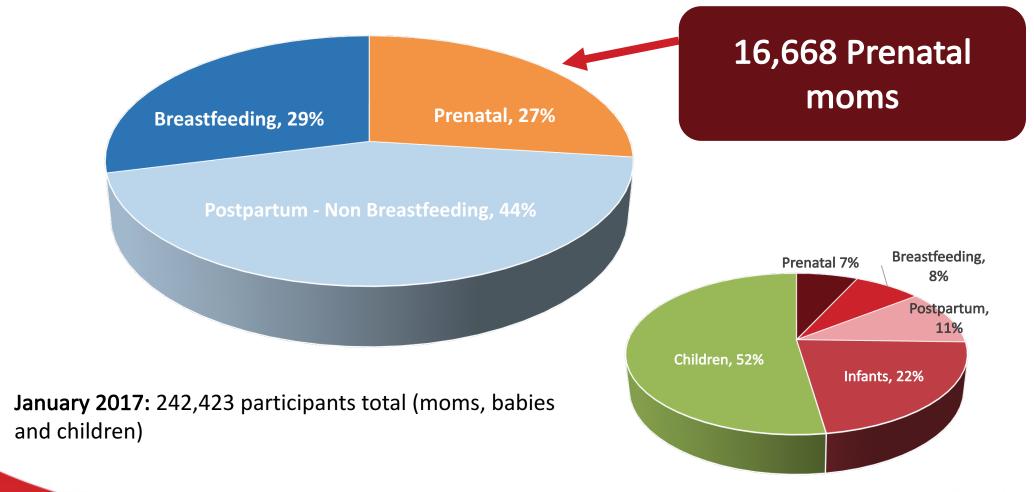
## **Breast Feeding Support**







#### WIC's Reach in Georgia

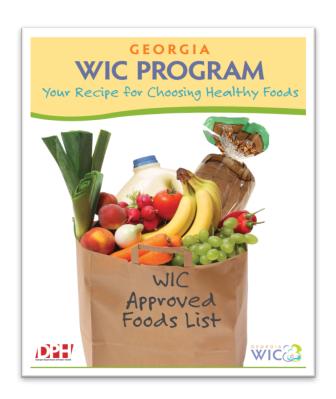


#### **WIC Services**

- Information about nutrition and health
- Breastfeeding support
- Assistance in finding health care and other community services
- WIC offers vegetables and fruits, milk, eggs, bread, cereal, juice, peanut butter, and much more







#### Safe to Sleep







ABC's

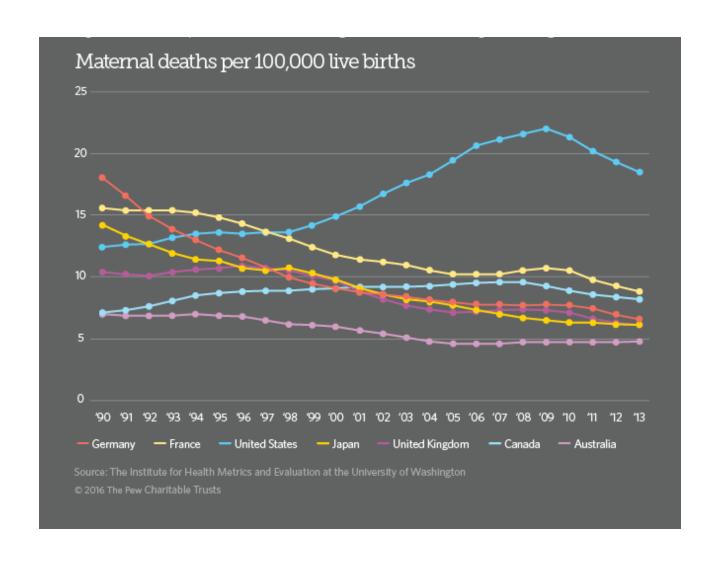
Alone

Back

Crib

## MATERNAL MORTALITY

#### Maternal Mortality in the U.S.



Source: The Pew Charitable

**Trusts** 

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# Maternal Mortality Review Committee

2013	Pregnancy- related (N=32)	Pregnancy- associated (N=47)
Age 40+	18.7%	2.1%
Black or African American	65.6%	34.0%
Rural	25.0%	27.7%
Pre-existing medical condition	68.8%	48.9%

#### Causes of Death

<u>2012</u> <u>2013</u>

Hemorrhage Cardiomyopathy

Hypertension Hemorrhage

Cardiac Embolism

**Embolism** Other

50% Preventable

#### **Ongoing Strategies**

Family planning

Regional Perinatal Centers

Perinatal Case Management

#### Perinatal Case Management (PCM)

#### Purpose:

- Improve maternal and infant health outcomes
- Promote coordinated and early referral to appropriate care and resources based on a comprehensive assessment that includes social determinants of health

#### Key elements:

- Serve Medicaid eligible pregnant women
- Initial assessment and care plan development at local health department
- Transition of case management to CMO

# **FUTURE IS BRIGHT**

#### Perinatal Quality Collaborative

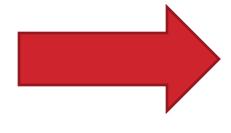
"Networks of teams working to improve health outcomes for mothers and babies. PQC members identify health care processes that need to be improved and use the best available methods to make changes as quickly as possible."

#### **New Initiatives**

Hemorrhage

Hypertension

Cardiomyopathy



Evidence-based patient care safety bundles

+

Leveraging existing partnerships

+

Rapid-cycle data analysis

#### What is AIM?



- National quality improvement initiative
- 'Aims' to reduce maternal mortality and severe maternal morbidity
- Funded through 4 year cooperative agreement with the Federal Maternal and Child Health Bureau















#### **AIM Patient Safety Bundles**

- Obstetric Hemorrhage
- Severe Hypertension
- Safe Reduction Primary Csection
- Maternal VTE Prevention



#### How Does AIM Work?



#### Measuring Impact

- Year 1- hemorrhage bundle + functional data system
- Year 2- HTN/ cardiomyopathy + robust perinatal quality collaborative
- Year 3-5- Measurable decrease in maternal and infant morbidity and mortality

# WE INVITE YOU AND YOUR HOSPITAL TO JOIN OUR STATEWIDE INITIATIVE

Contact info:

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# THANK YOU!