

# MATERNAL AND CHILD HEALTH

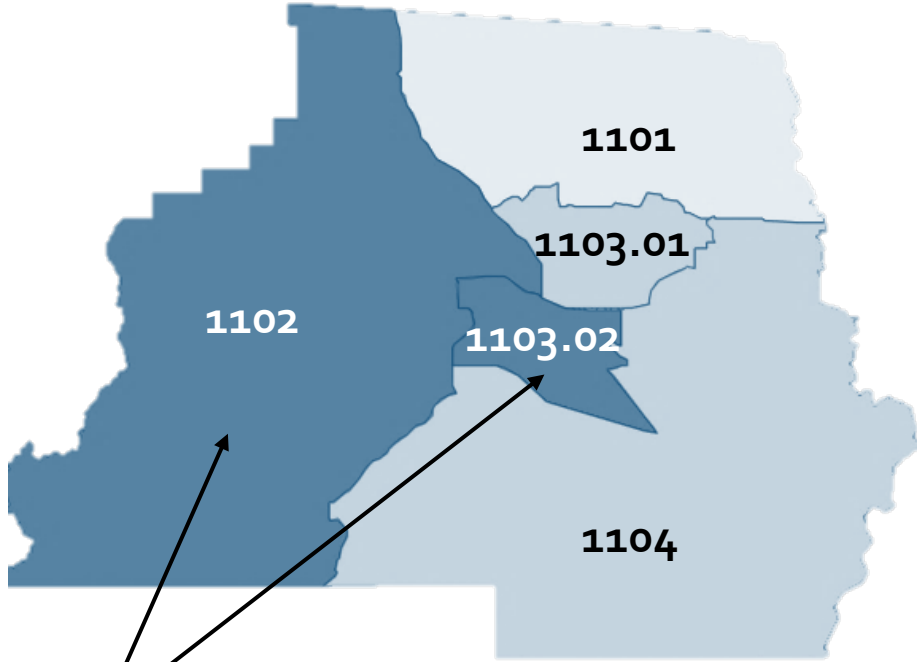
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Data Source: DOH Florida CHARTS, Healthy Start Coalition

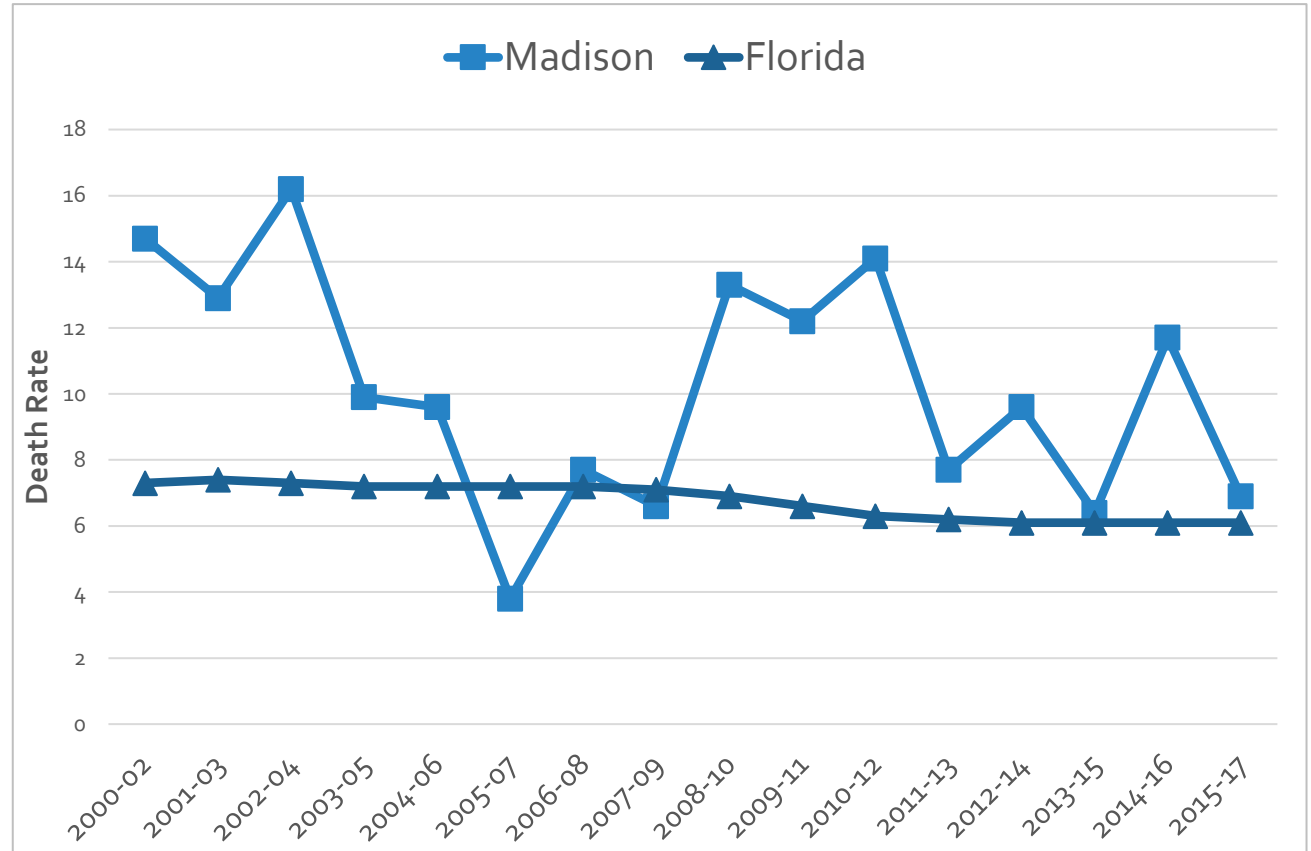
Presentation developed by: Pam Beck, Operations Manager, Department of Health-Madison  
Presented by: Kimberly Albritton, Administrator, Department of Health-Madison or Donna Hagan, Healthy Start

# Infant Death 3-Year Rolling Rates per 1,000 Live Births (2000/02 – 2015/17)

Infant mortality by census tract  
2013-2017



Highest infant mortality rates

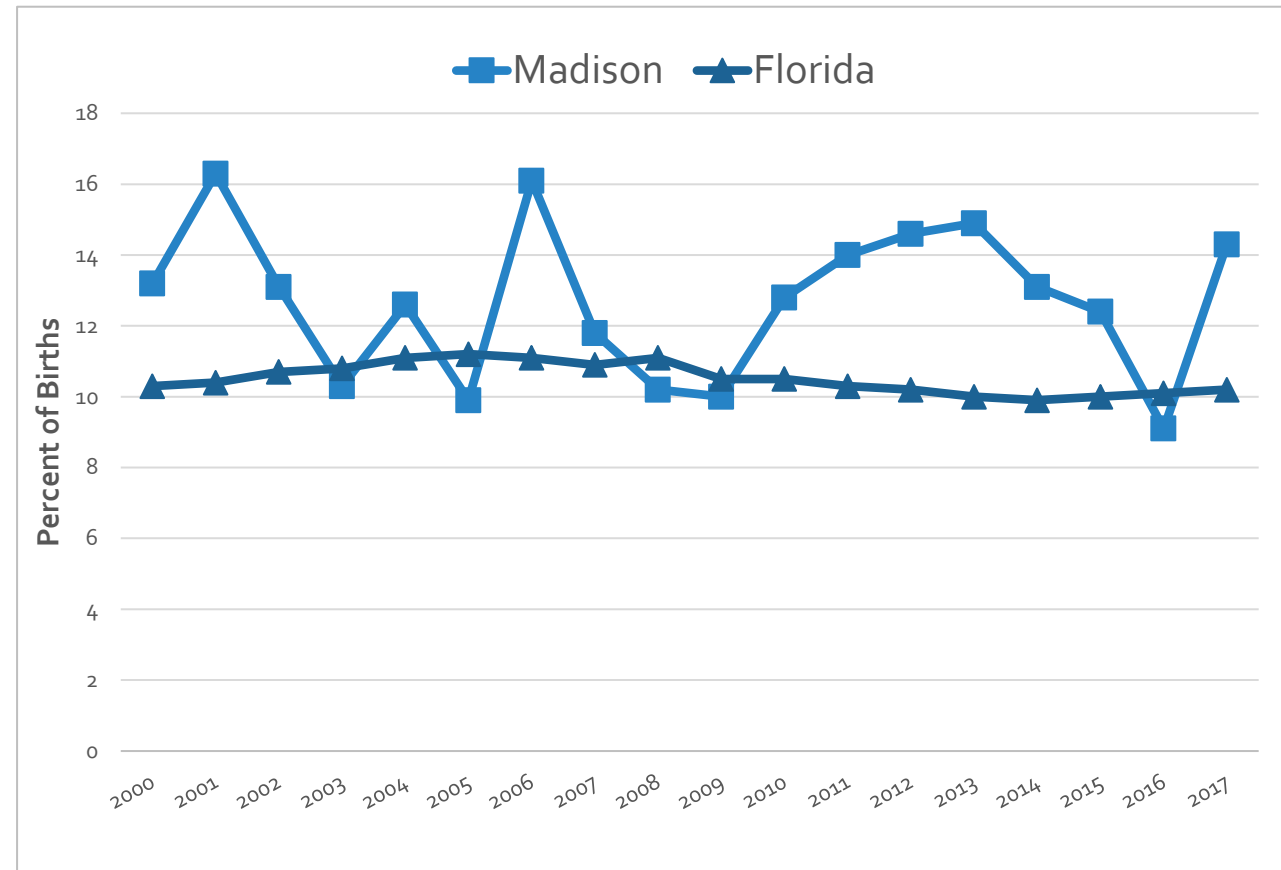


# Madison County Infant Mortality 2010-2017

- Total Infant Mortality (0-364 Days)
  - Total of 17 deaths during the time frame
  - 2 of these were White, non-Hispanic, 14 were Black, non-Hispanic or Other and 1 was Hispanic
- Neonatal Mortality (0-27 Days) – Subset of Total Infant Mortality
  - 11 Black, non-Hispanic or Other and 1 was Hispanic
- Post Neonatal Mortality (28-364 Days) – Subset of Total Infant Mortality
  - 2 of these were White, non-Hispanic and 3 were Black, non-Hispanic or Other

# Percentage of Total Births Classified as Preterm (2000 – 2017)

- The percent of births that were preterm in 2017 was higher (13.2%) compared to the state (10.3%)
- 19% of births to non-white mothers were considered preterm in 2017, compared to 10.4% for white mothers



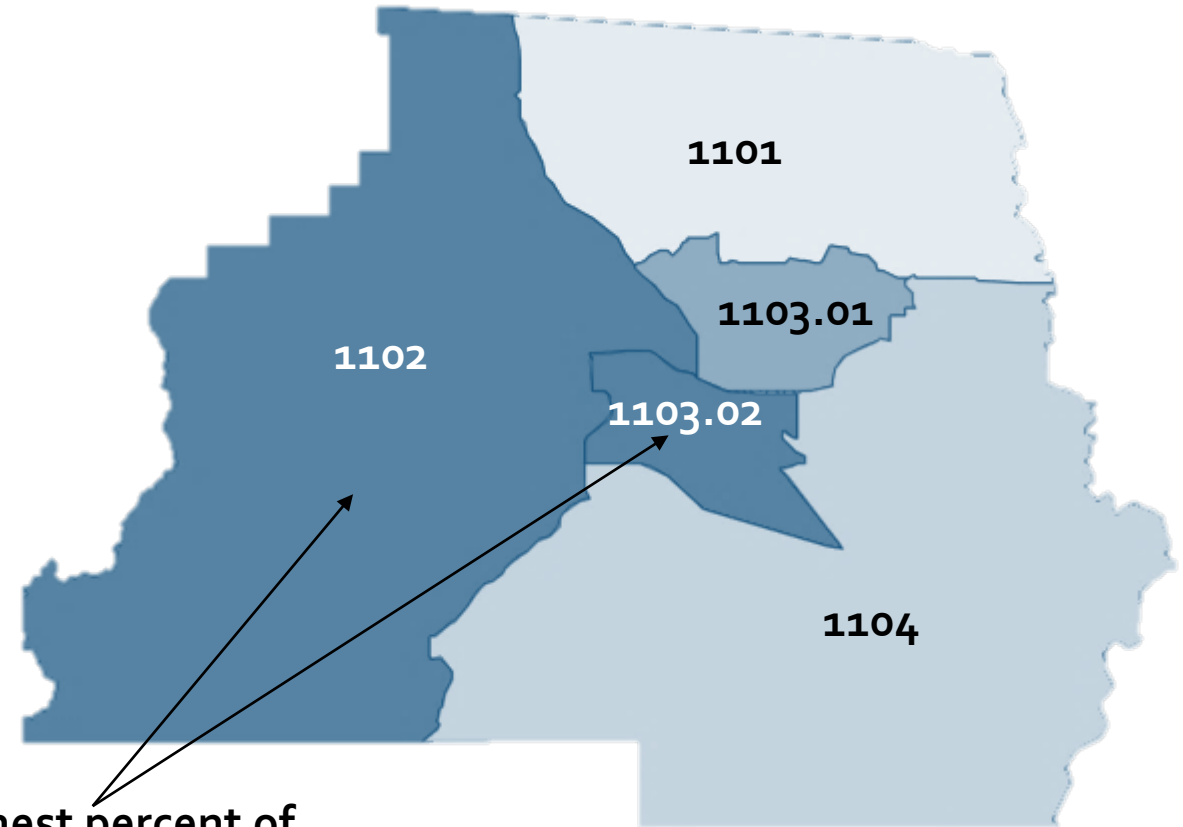
Preterm birth < 37 weeks

# Preterm Births, Madison County

## Madison County 2010-2017

- Madison Total Preterm Births = 215 of 1,631 total births, or 13%
- 84, or 10%, of the 816 births to White, non-Hispanic women were preterm
- 126, or 17%, of the 750 births to Black, non-Hispanic women were preterm
- 5, or 8%, of the 65 births to Hispanic women were preterm

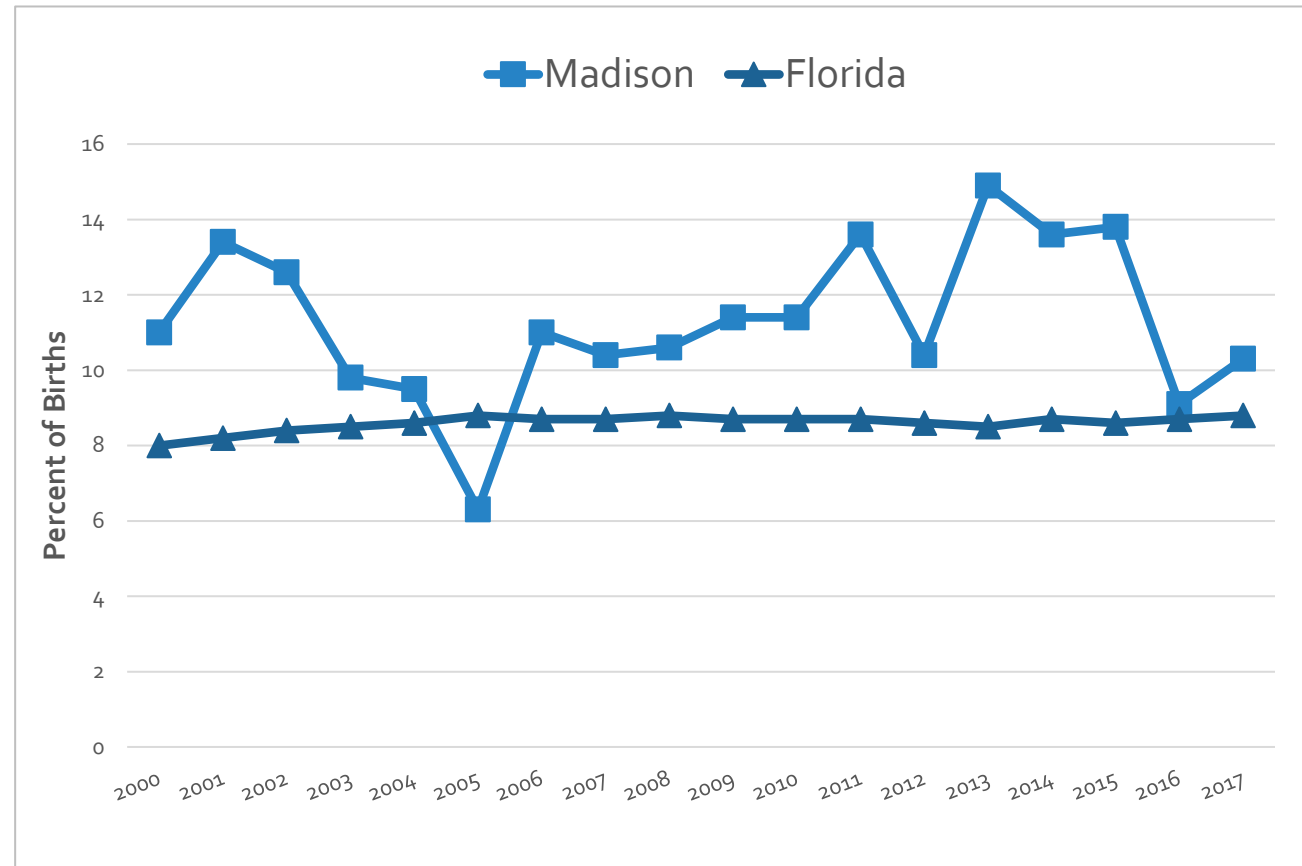
## Preterm births by Census Tract 2013-2017



Highest percent of  
preterm births

# Percent of Total Births Low Birth Weight (2000 – 2017), Madison County and Florida

- The percent of births that were low birth weight in 2017 was higher (11%) compared to the state (8.0%)
- 16.5% of births to Black, non-Hispanic mothers were considered low birth weight in 2017, compared to 5.2% for White, non-Hispanic mothers
- There were no Hispanic low birth-weight births in 2017



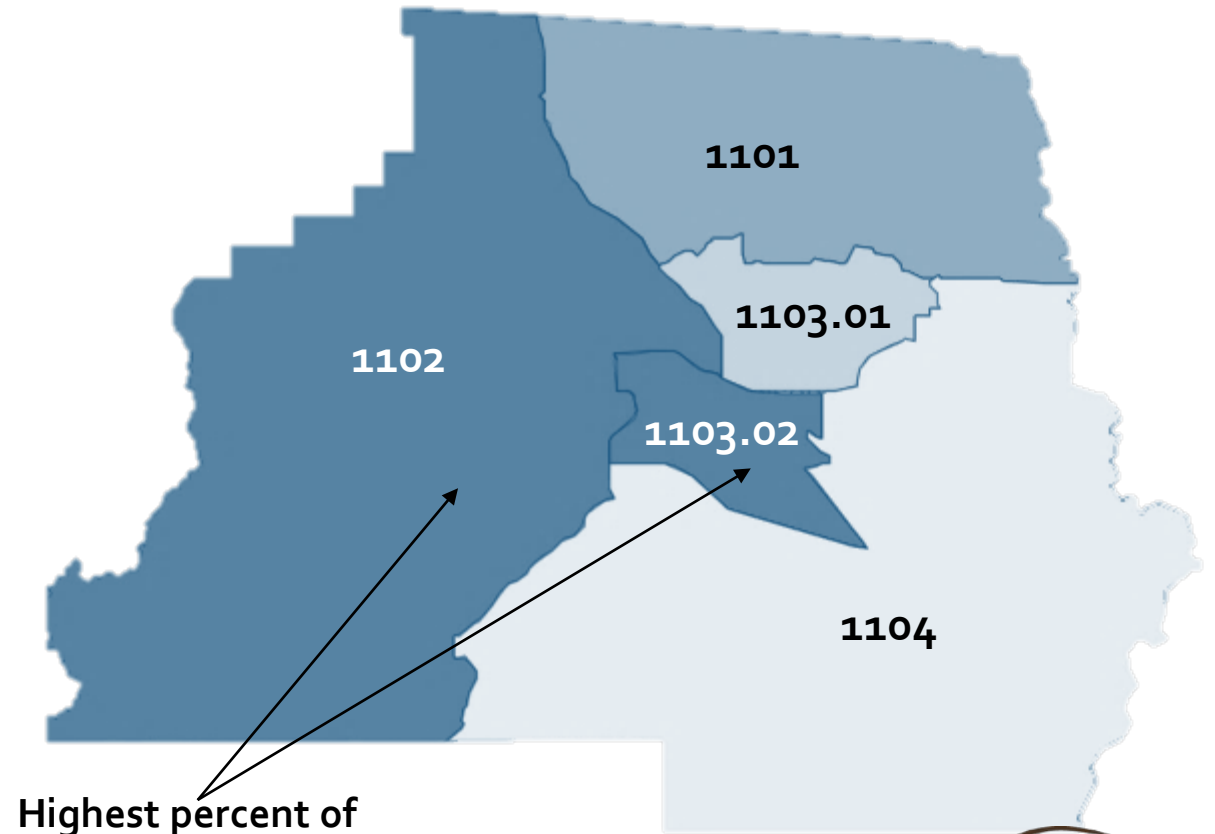
Low birth weight < 2500 grams

# Madison County Low Birth-Weight Births

## Madison 2010-2017

- Madison Total LBW Births = 199 of 1,631 total births, or 12%
- 66, or 8%, of the 816 births to White, non-Hispanic women were LBW
- 129, or 17%, of the 750 births to Black, non-Hispanic women were LBW
- 4, or 6%, of the 65 births to Hispanic women were LBW

## Low birth-weight births by Census Tract 2013-2017

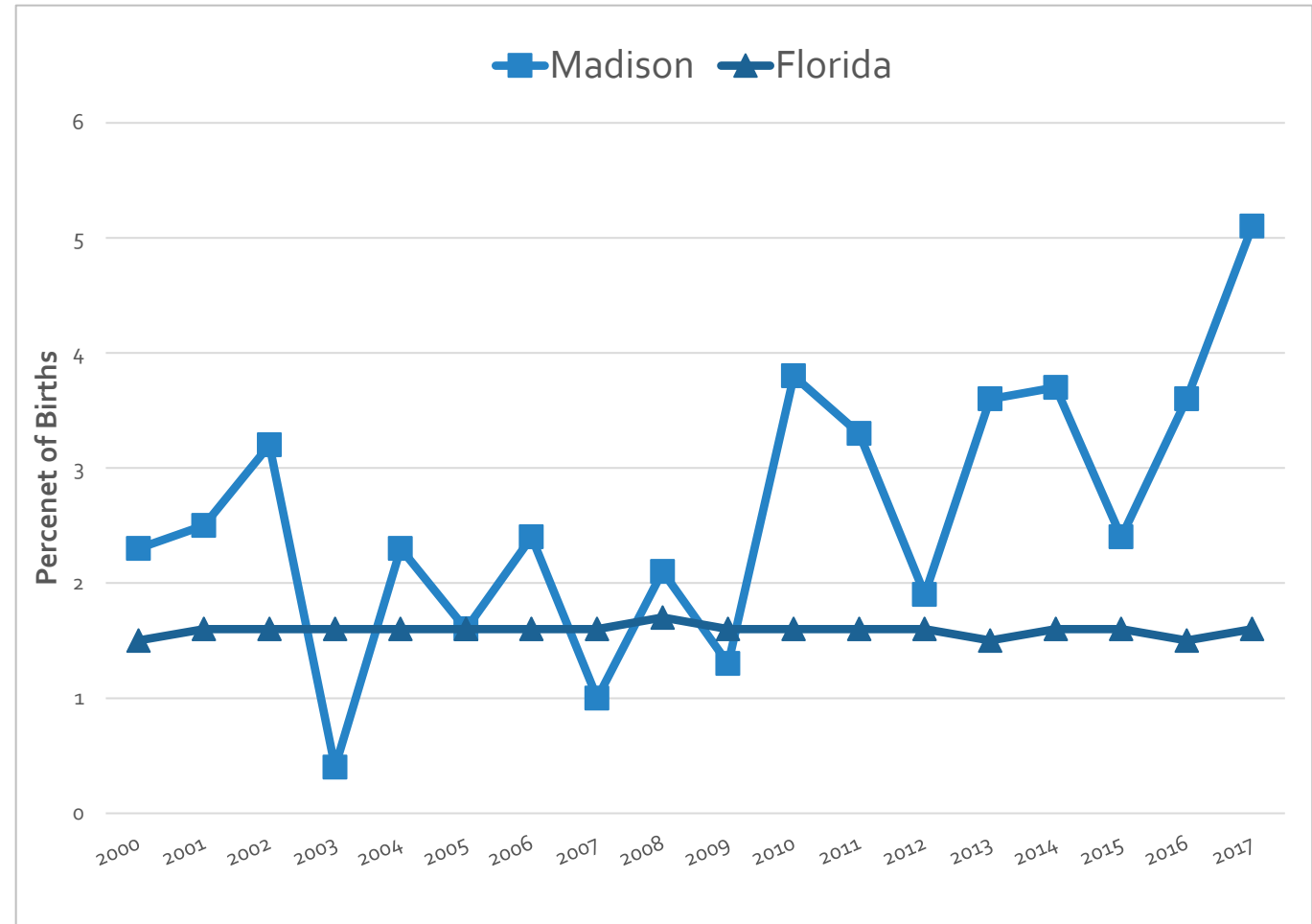


Highest percent of  
low birth-weight births

# Percent of Total Births Very Low Birth Weight (2000 – 2017)

## Madison 2010-2017

- Madison Total VLBW Births = 55 of 1,631 total births, or 3%
- 15, or 2%, of the 816 births to White, non-Hispanic women were VLBW
- 39, or 5%, of the 750 births to Black, non-Hispanic women were VLBW
- 1, or 2%, of the 65 births to Hispanic women were VLBW



Very low birth weight < 1500 grams

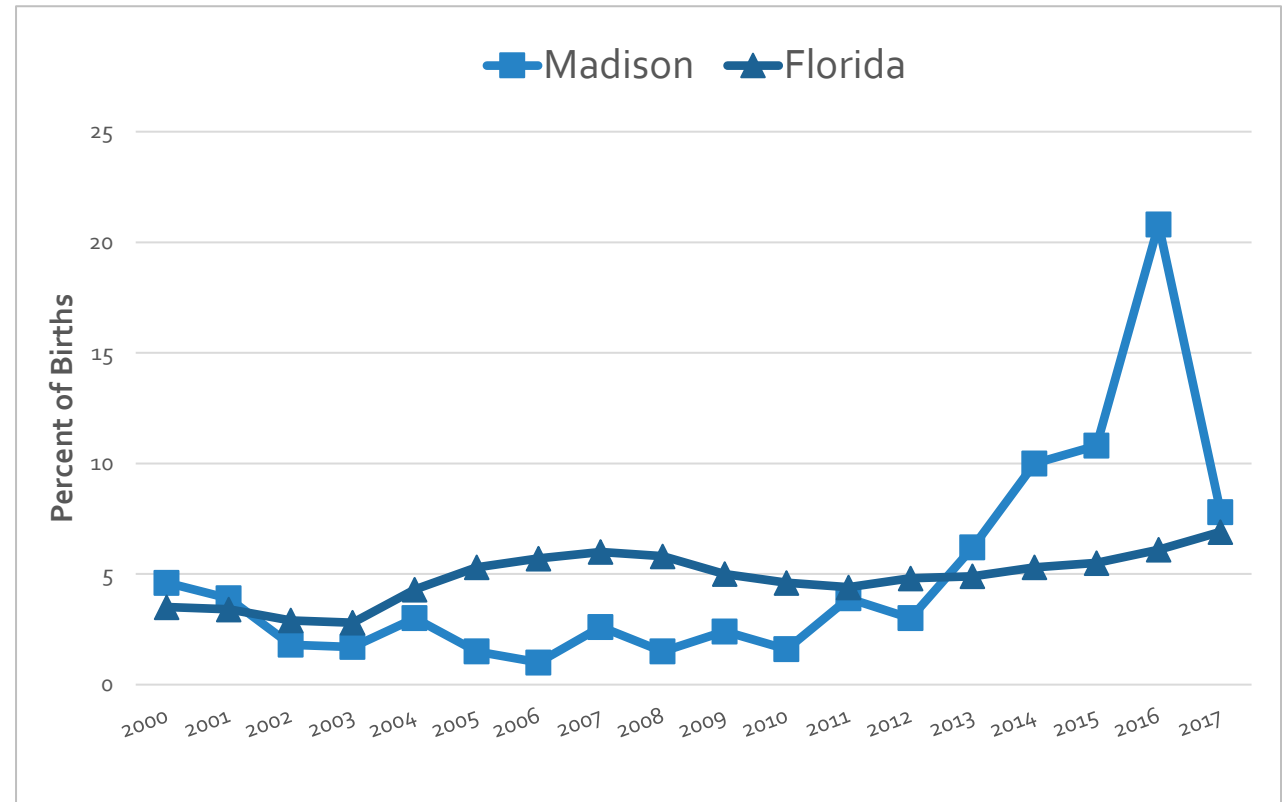


# Percentage of Total Births to Mothers With 3<sup>rd</sup> Trimester Prenatal Care or No Prenatal Care

- 7.8% of births in 2017 had late or no prenatal care, compared to 6.9% for Florida

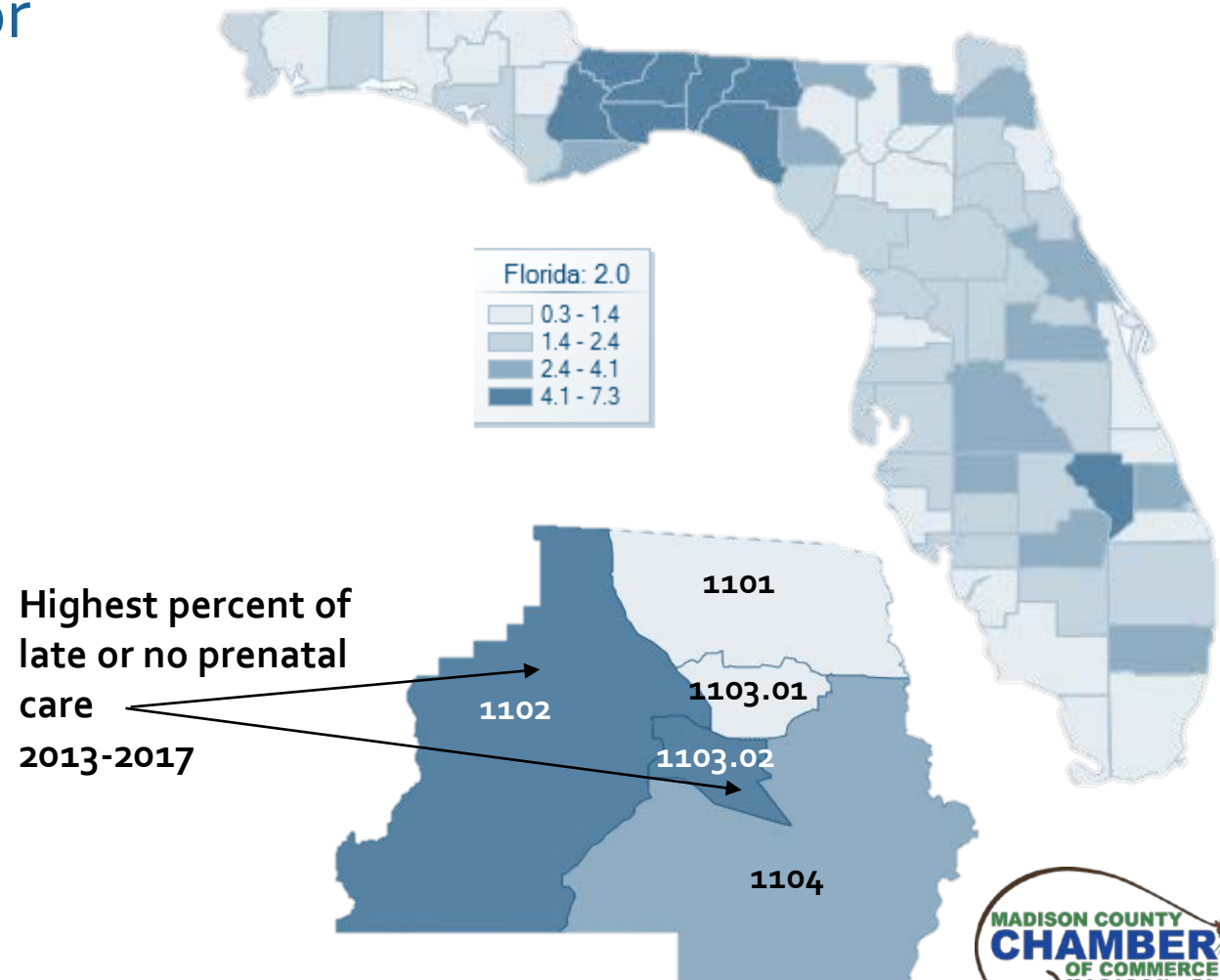
## Madison 2010-2017

- 7%, of the births to White, non-Hispanic women had late or no prenatal care
- 9%, of the births to Black, non-Hispanic women had late or no prenatal care
- 13%, of the births to Hispanic women had late or no prenatal care



# Percentage of Total Births to Mothers With 3<sup>rd</sup> Trimester Prenatal Care or No Prenatal Care

- These data are being evaluated for accuracy by comparing health department and Healthy Start client data to data collected by birth clerks at the delivering facility
- The state graphic shows that the areas being serviced by Tallahassee hospitals have the lowest prenatal care and the lowest breastfeeding initiation rates in the state

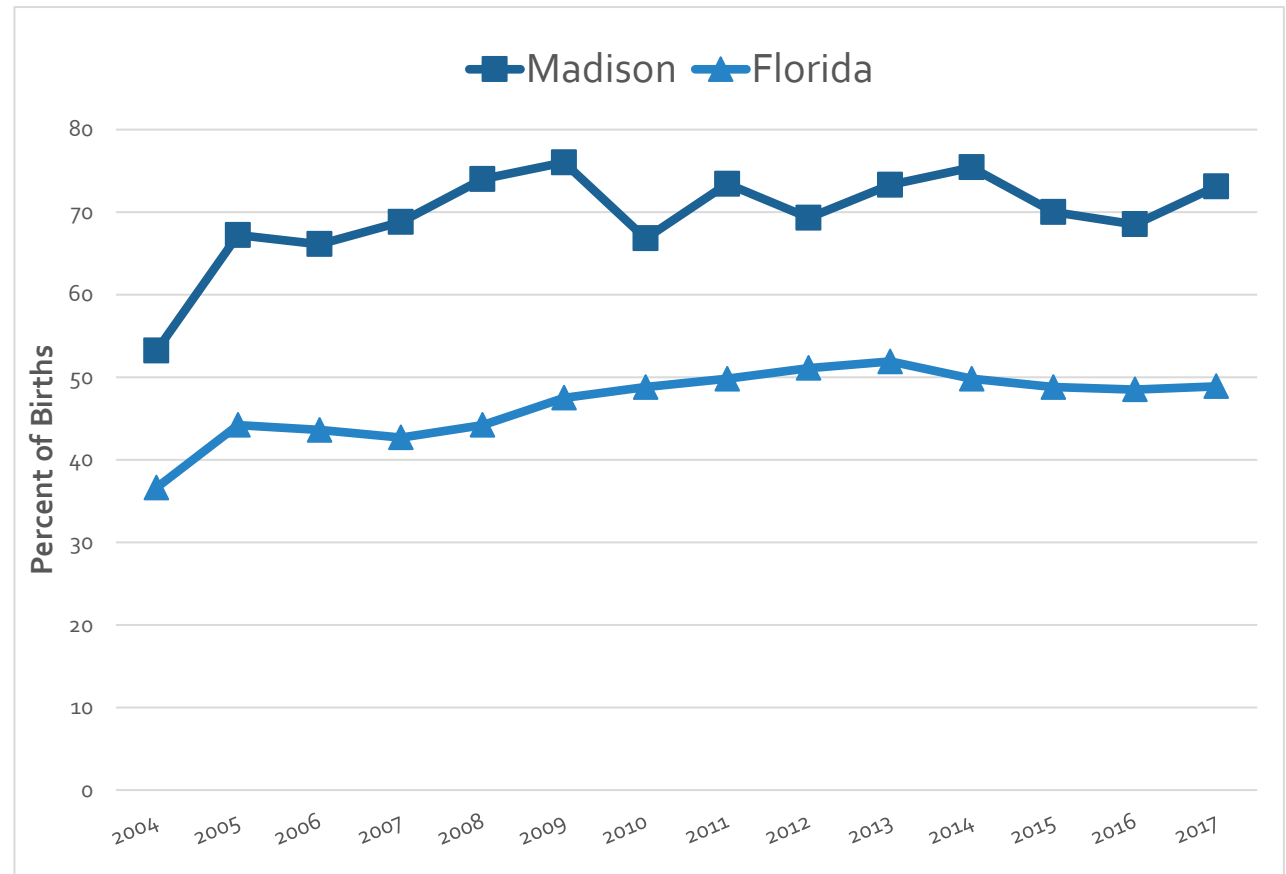


# Percent of Births Covered by Medicaid 2004-2017, Madison County

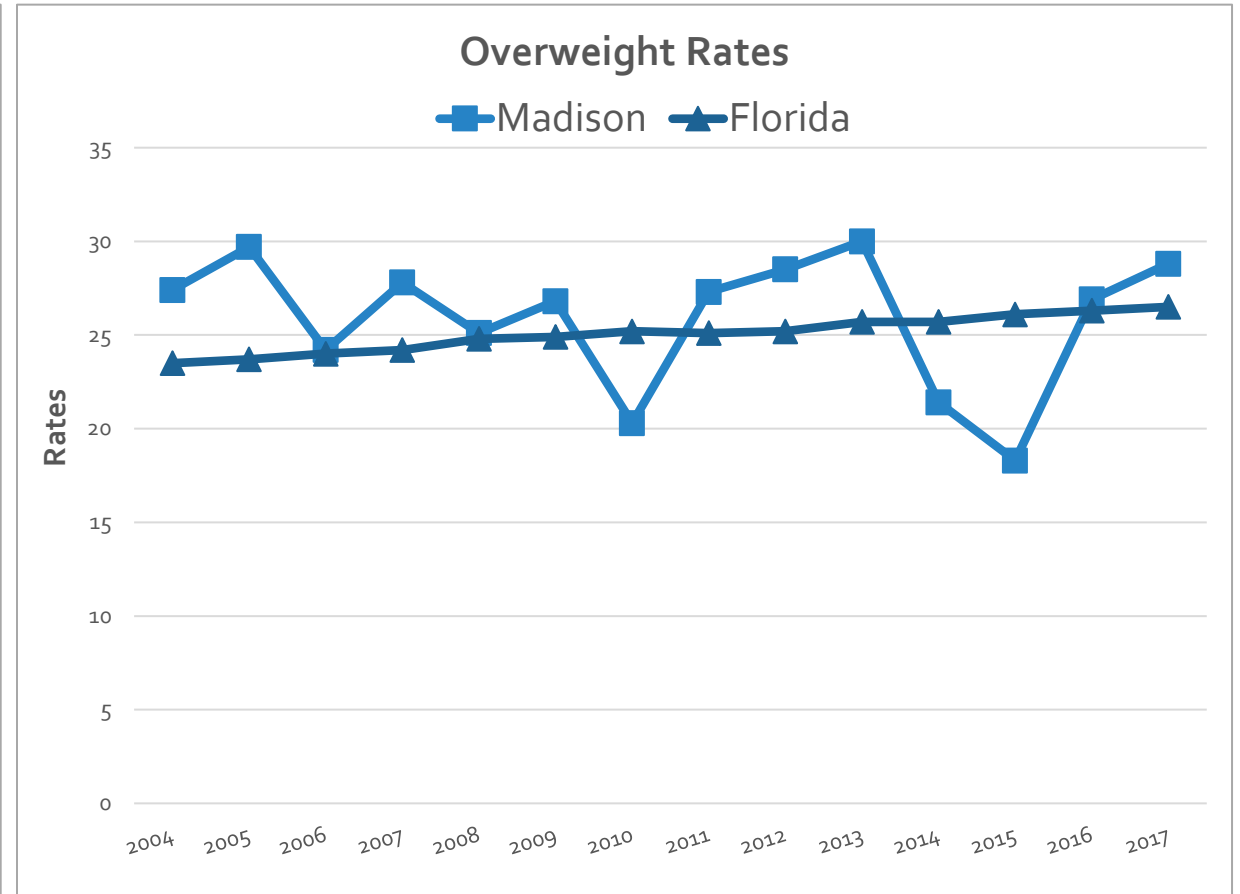
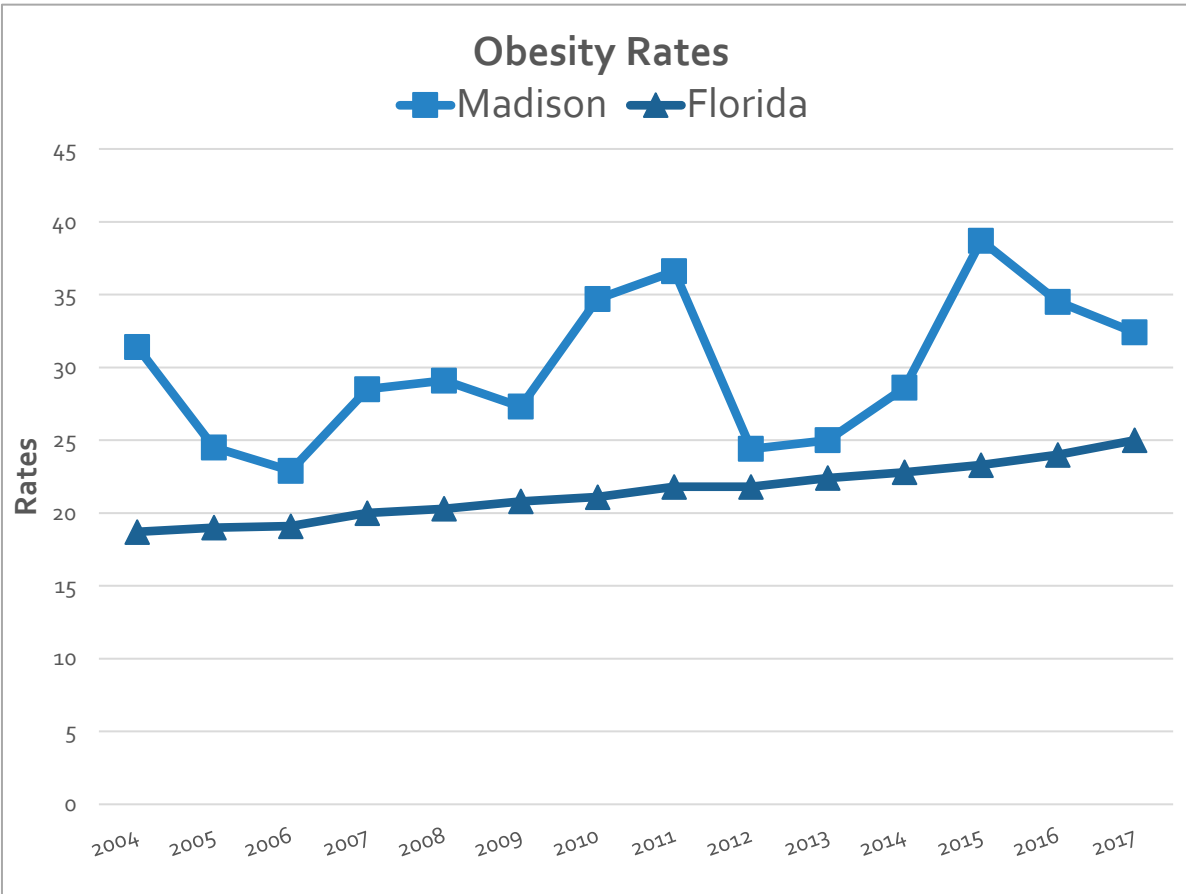
- In 2017, the percent of births covered by Medicaid in Madison County was 25% higher than the percent of births for Florida

Madison 2010-2017 (73% overall)

- 65% of White NH Births
- 86% of Black NH Births
- 20% of Hispanic Births

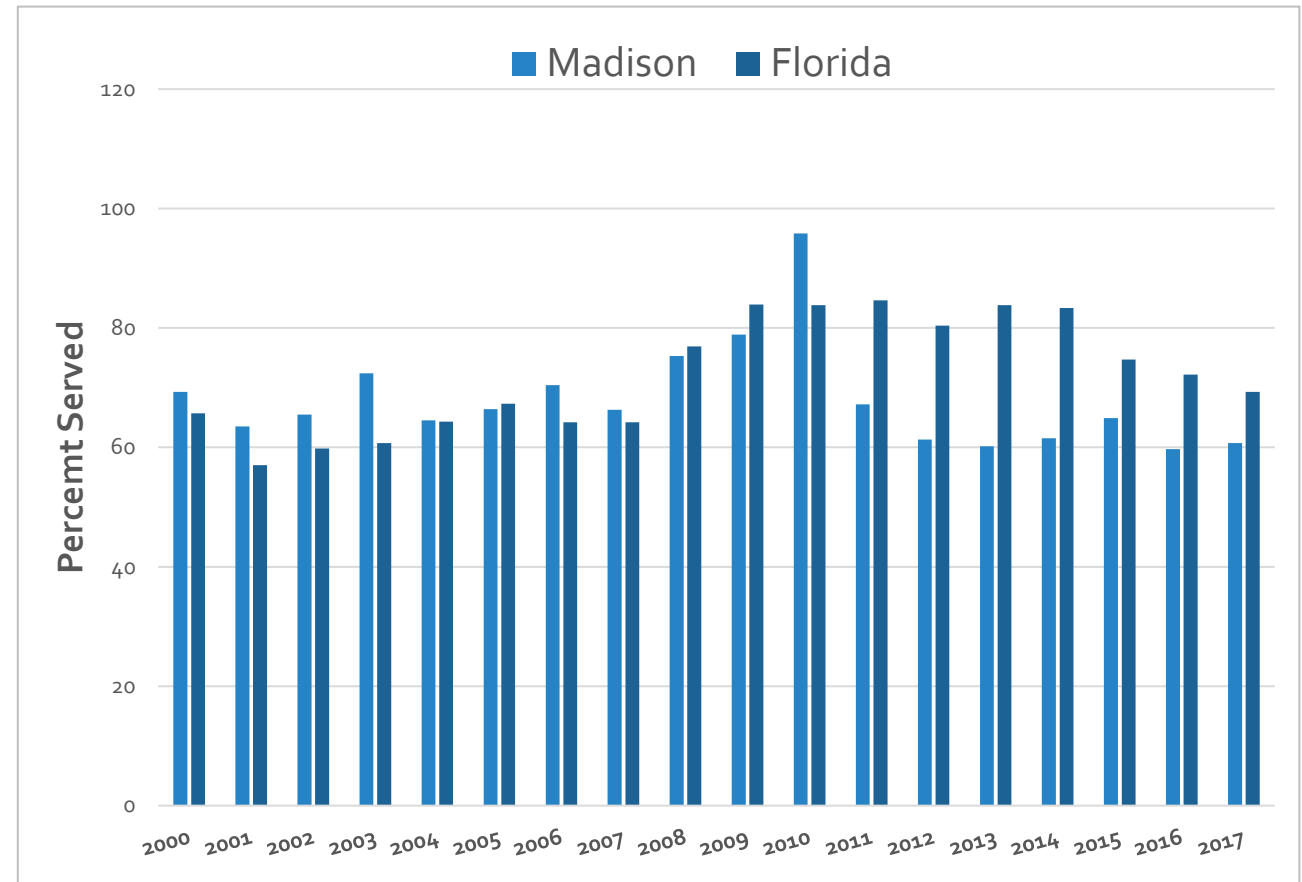


# Women Overweight or Obese at the Time of Pregnancy, 2004-2017



# WIC Eligibles Served, 2000-2017 Madison County and Florida

- Madison County's percent of WIC eligible women served in 2017 was 60.7%, compared to 69.3% for Florida
- The highest percentage attained was 95% in 2010.
- Further study of location of WIC eligible women in Madison County versus WIC service location will be performed

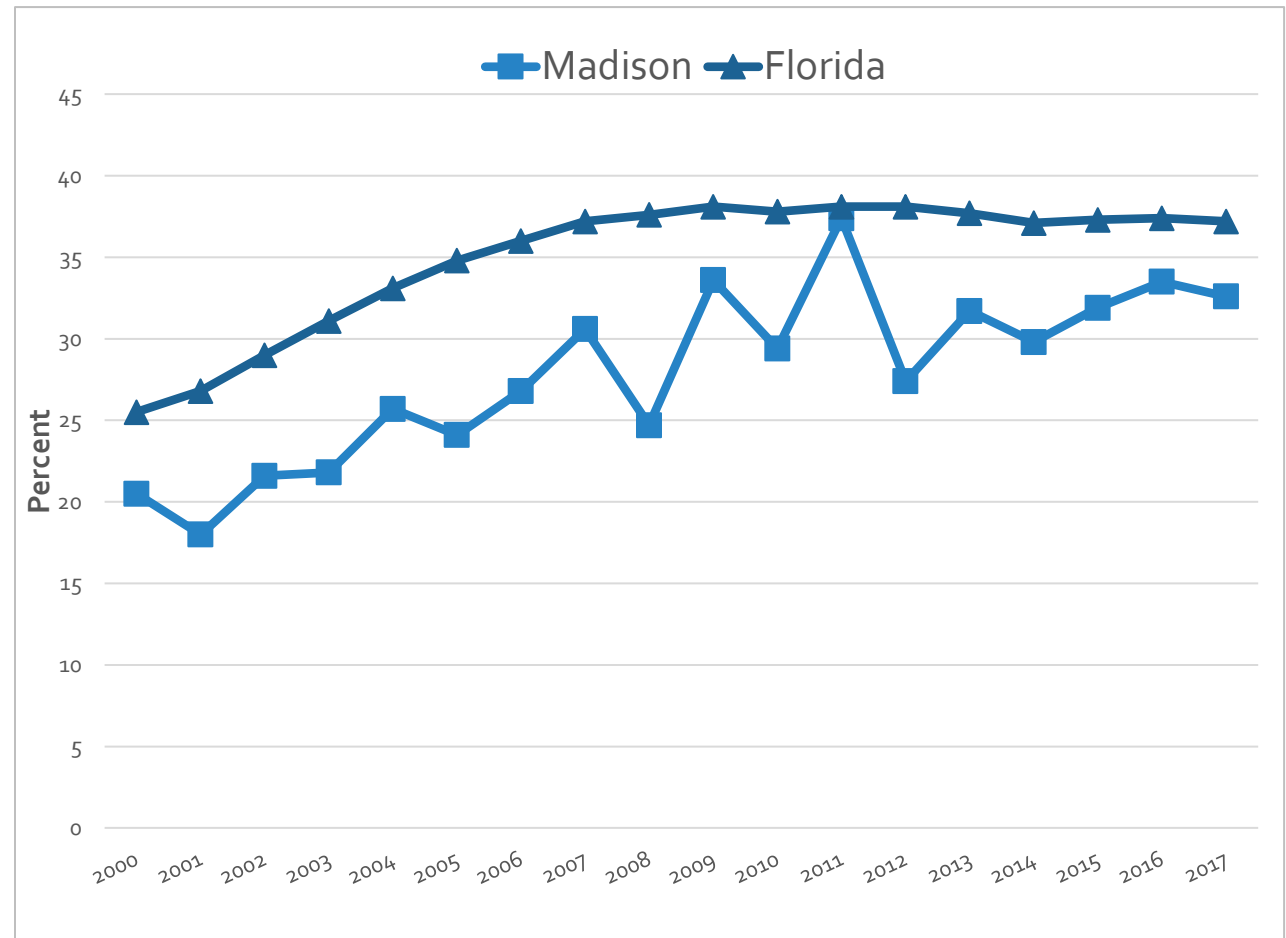


# Percent of Deliveries by C-Section 2000-2017, Madison County and Florida

- The percent of deliveries by C-section are lower for Madison County than the state of Florida
- In 2017, 32.6% of deliveries were via C-section in Madison County and 37.2% for Florida

Madison 2010-2017 (32% overall)

- 34% of White NH Births
- 32% of Black NH Births
- 31% of Hispanic Births

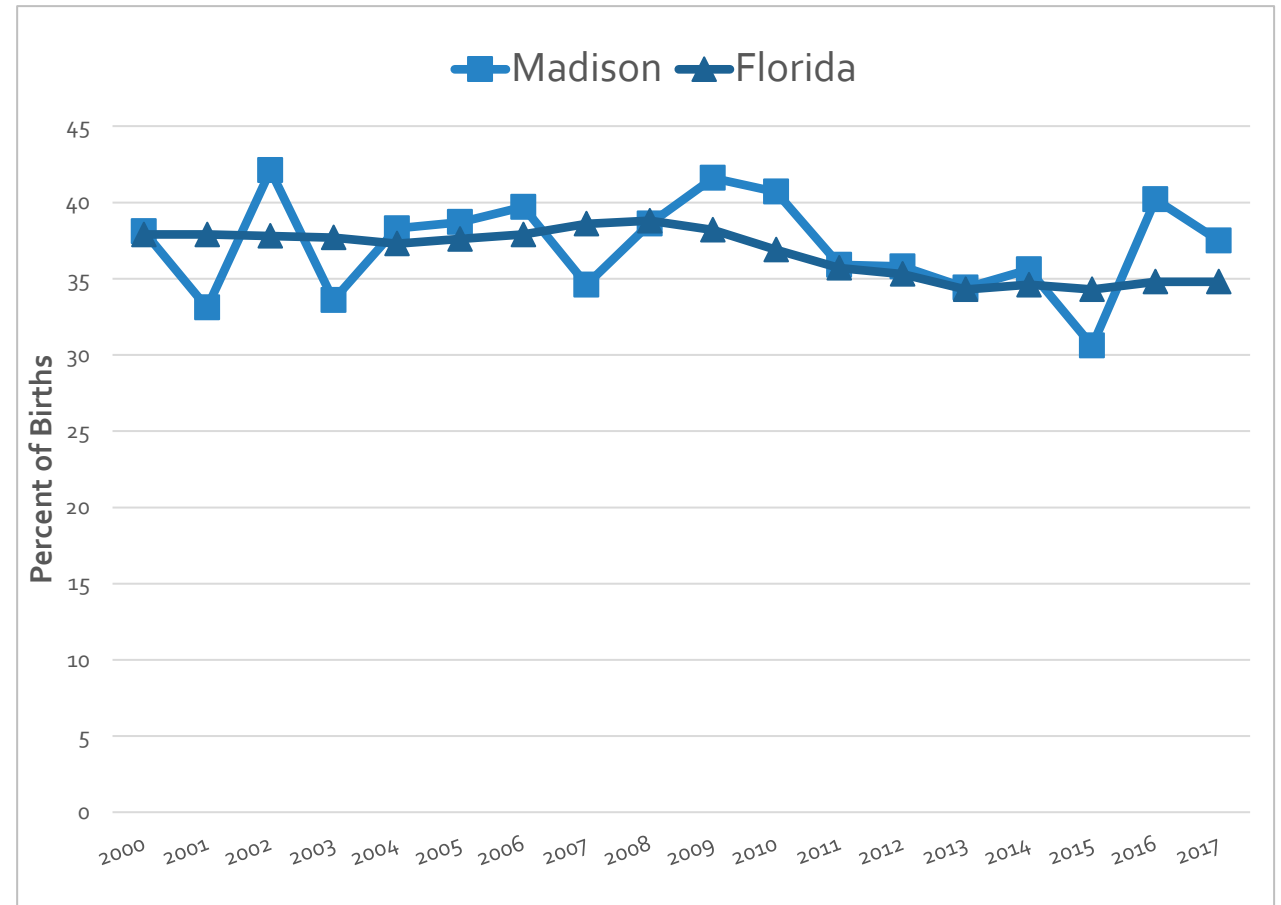


# Births with Inter-Pregnancy Interval < 18 Months, Madison County and Florida

- The annual percent of repeat births with less than 18 months between pregnancies in Madison County is close to the state of Florida

## Madison Data for 2017

- 40% of repeat births to White, non-Hispanic mothers
- 34% of repeat births to Black, non-Hispanic mothers
- 0% of repeat births to Hispanic mothers



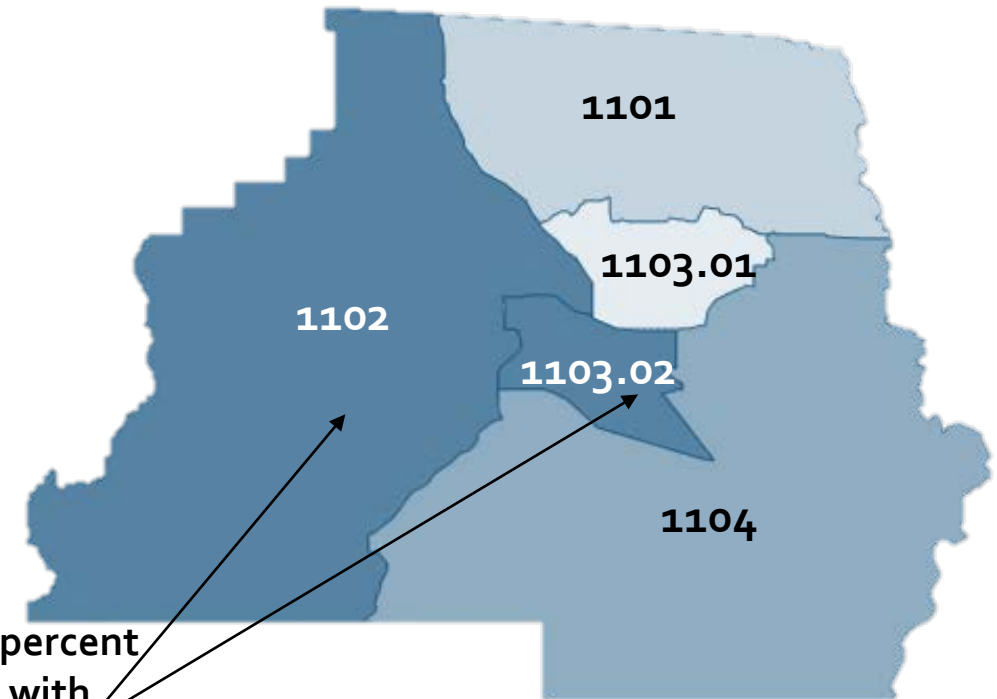
# Births with Inter-Pregnancy Interval < 18 Months, Madison County

## Madison 2010-2017

- Madison Total = 291 of 803 total births, or 36% < 18 months apart
- 160, or 40%, of the 405 births to White, non-Hispanic women were <18 months apart
- 115, or 32%, of the 363 births to Black, non-Hispanic women were <18 months apart
- 16, or 46%, of the 35 births to Hispanic women were < 18 months apart

## Births with <18 Month Interval by Census Tract

2013-2017



Highest percent  
of births with  
interval  
< 18 months

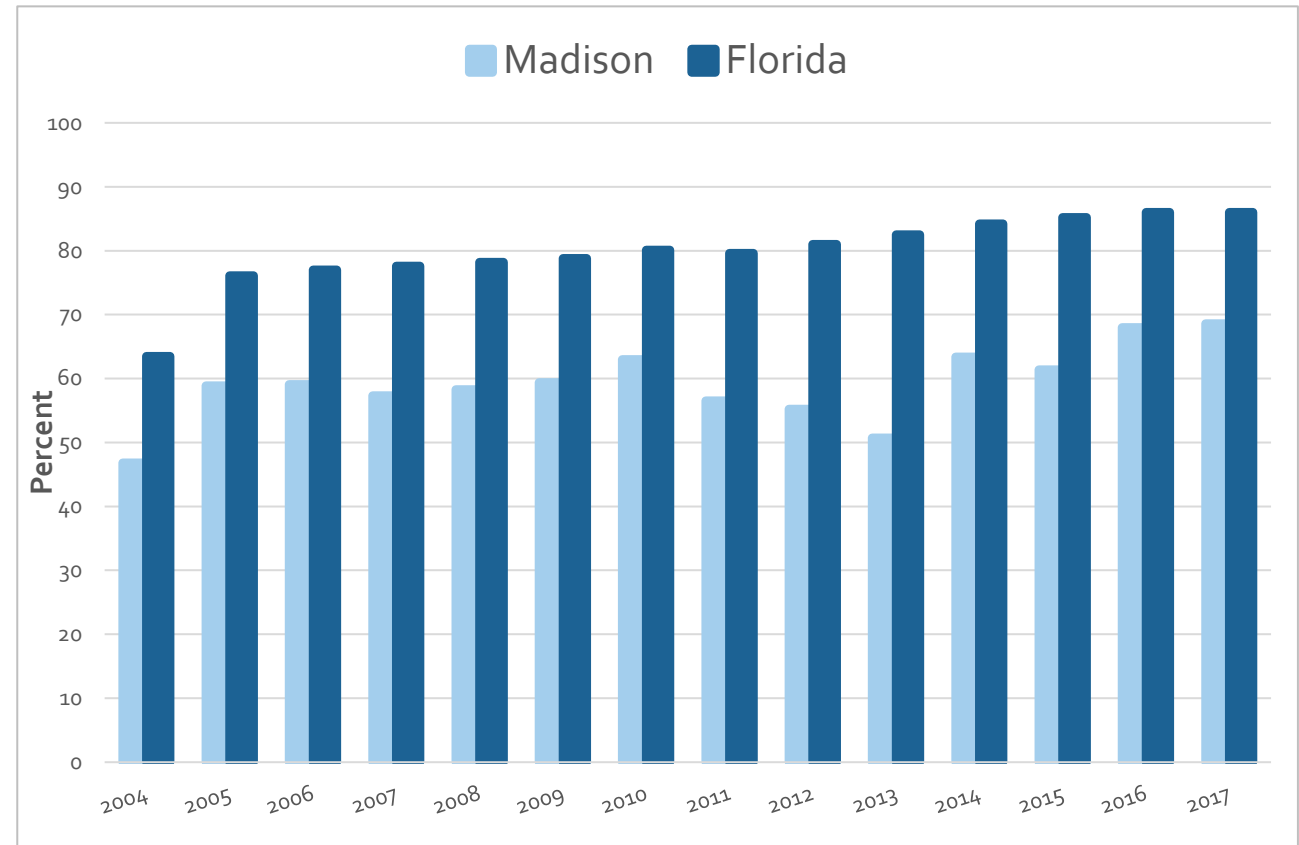
Denominators are the number of women giving birth for the second or greater time



# Percent of Mothers Who Initiate Breastfeeding, Madison County and Florida

Madison 2010-2017 (61% overall)

- 73% of White NH Women initiated breastfeeding during the time frame, followed by 46% of Black NH Women and 71% of Hispanic Women
- These data are also being compared for accuracy



# Births to Mothers Ages 15-19 (2010 – 2017)

Year	<=14	15-17	18-19
2010	0	6	15
2011	0	5	15
2012	0	10	18
2013	2	1	16
2014	0	1	9
2015	1	5	10
2016	0	2	15
2017	0	3	8

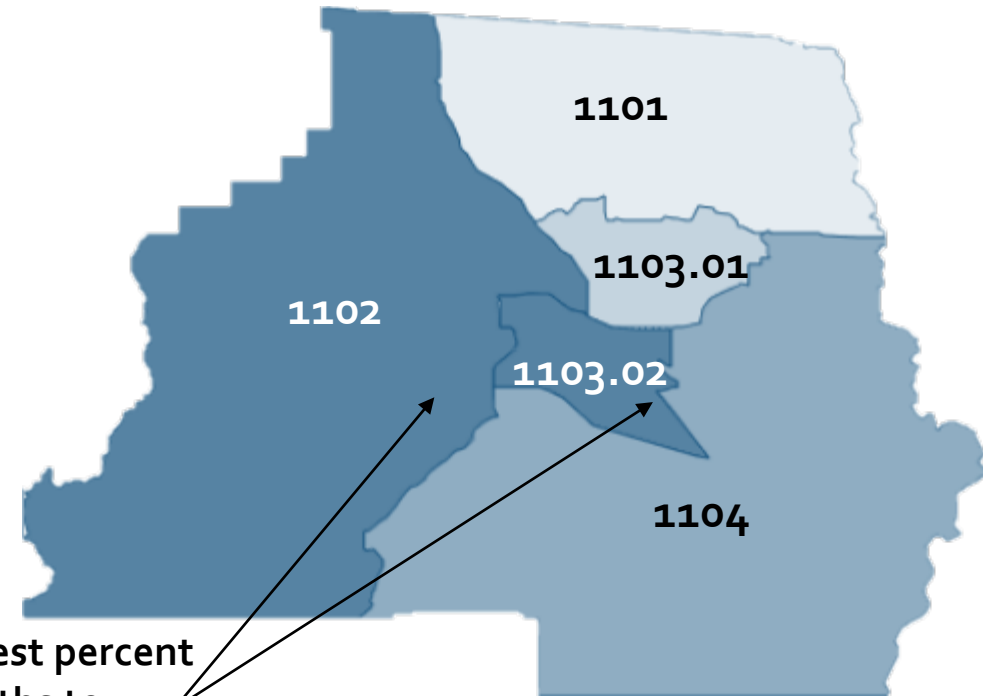
- There were 17 births in 2016 and 11 in 2017 to mothers ages 15-19
- There were no births to mothers under the age of 15 in 2016 or 2017
- The majority of births were to mothers ages 18-19 for both years; 88% in 2016 and 73% in 2017

# Births to Mothers Less Than Age 20 2013-2017, Madison County Census Tracts

## 2010-2017 Madison County

- There were 142 births to mothers ages <20 during this time frame
- 44% were White, non-Hispanic
- 53% were Black, non-Hispanic
- 3% were Hispanic

Births to Mothers Less Than Age 20  
by Census Tract, 2013-2017

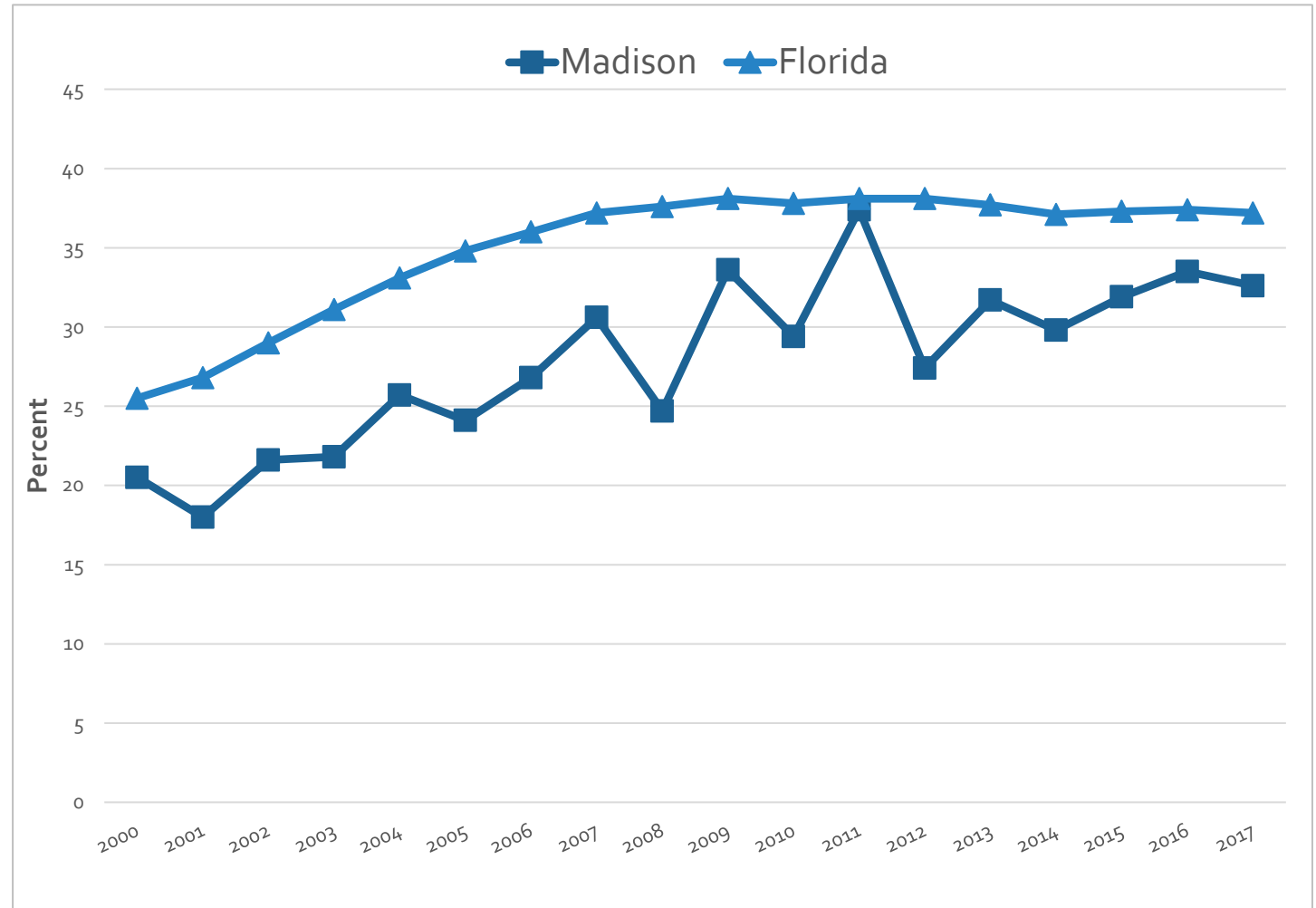


Highest percent  
of births to  
mothers < 20

# Percent of Deliveries by C-Section 2000-2017, Madison County and Florida

## Madison 2010-2017

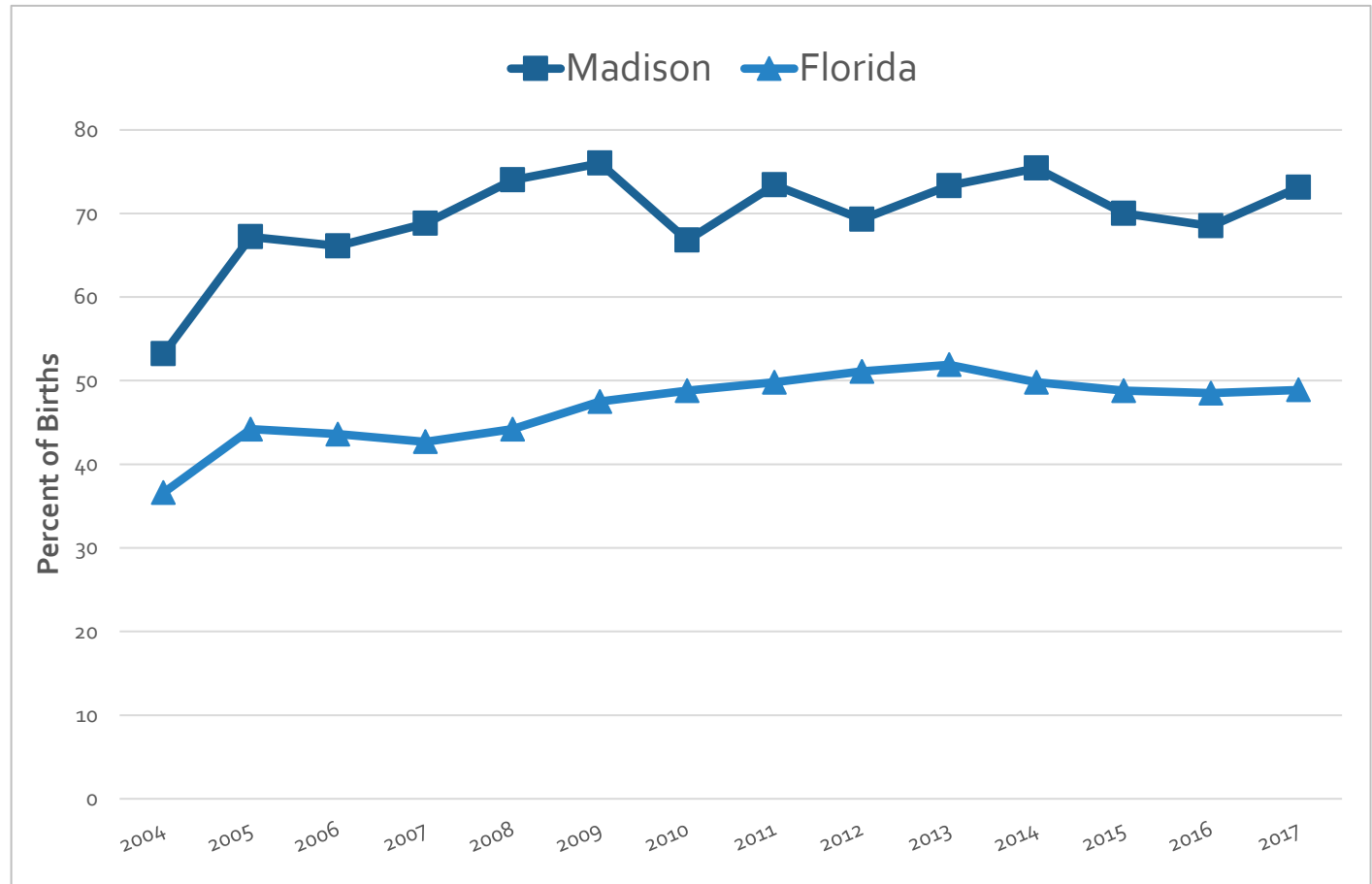
- 32% Overall Births
- 34% of White NH Births
- 32% of Black NH Births
- 31% of Hispanic Births



# Percent of Births Covered by Medicaid Madison County and Florida, 2004-2017

## Madison 2010-2017

- 73% Overall Births
- 65% of White NH Births
- 86% of Black NH Births
- 20% of Hispanic Births



# Other Maternal, Birth and Young Child Risk Factors, Madison County

- Madison County ranked in the 4<sup>th</sup> quartile for the following additional measurements in 2017
  - Domestic violence offenses
  - Births to unwed mothers
  - Births with fathers acknowledged on the birth certificate
  - Critical congenital heart defects
  - Deaths among children ages 1-5
  - Hospitalizations ages 1-5 for all non-fatal unintentional injuries

# Immunizations

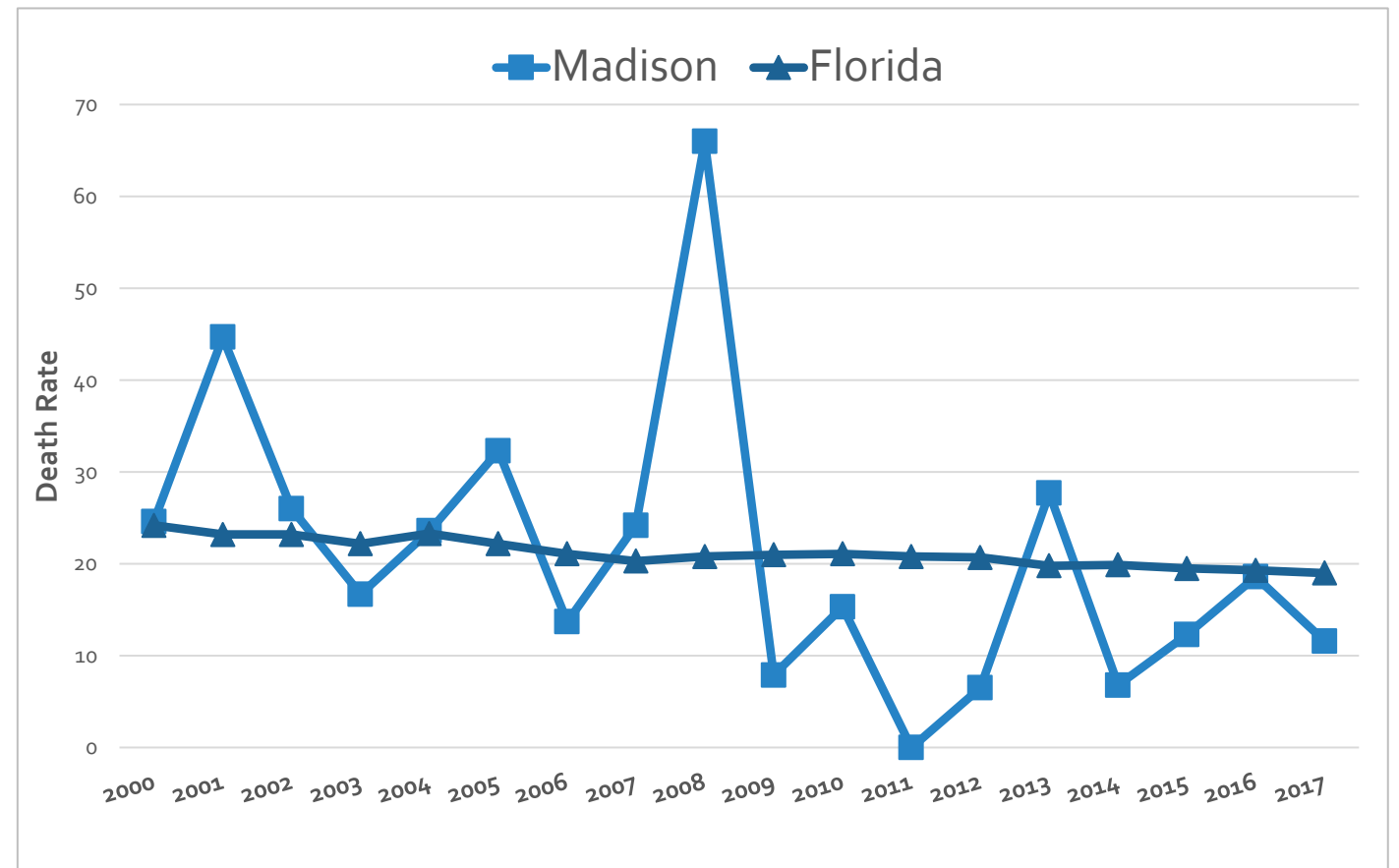
- In 2015, the state standard was 95%; Madison County's achieved full immunization for 87% of two-year-olds.
- Madison County has not been evaluated since 2015 because the number of immunizations has been less than ten

# Breast Cancer Death Rates, 2000-2017

## Madison County and Florida

### Madison 2010-2017

- Total of 14 deaths due to breast cancer
- 10, or 71% were White, non-Hispanic and 4, or 29% were Black, non-Hispanic





# Cervical and Ovarian Cancer Deaths Madison County, 2010-2017

## Ovarian Cancer 2010-2017

- Total of 8 deaths due to ovarian cancer
- 5, or 63% were White, non-Hispanic and 3, or 37% were Black, non-Hispanic
- There were no Hispanic deaths during the time frame

## Cervical Cancer 2000 – 2017

- There have been five deaths due to cervical cancer between 2000 and 2017
- Four (80%) were White, non-Hispanic and one (20%) was Black, non-Hispanic. There were no Hispanic deaths due to cervical cancer during this time frame