



Maternal and Infant Health and Birth Outcomes in Rural and Appalachian Ohio

Data and Slides prepared by:

Ayana Birhanu, MPH

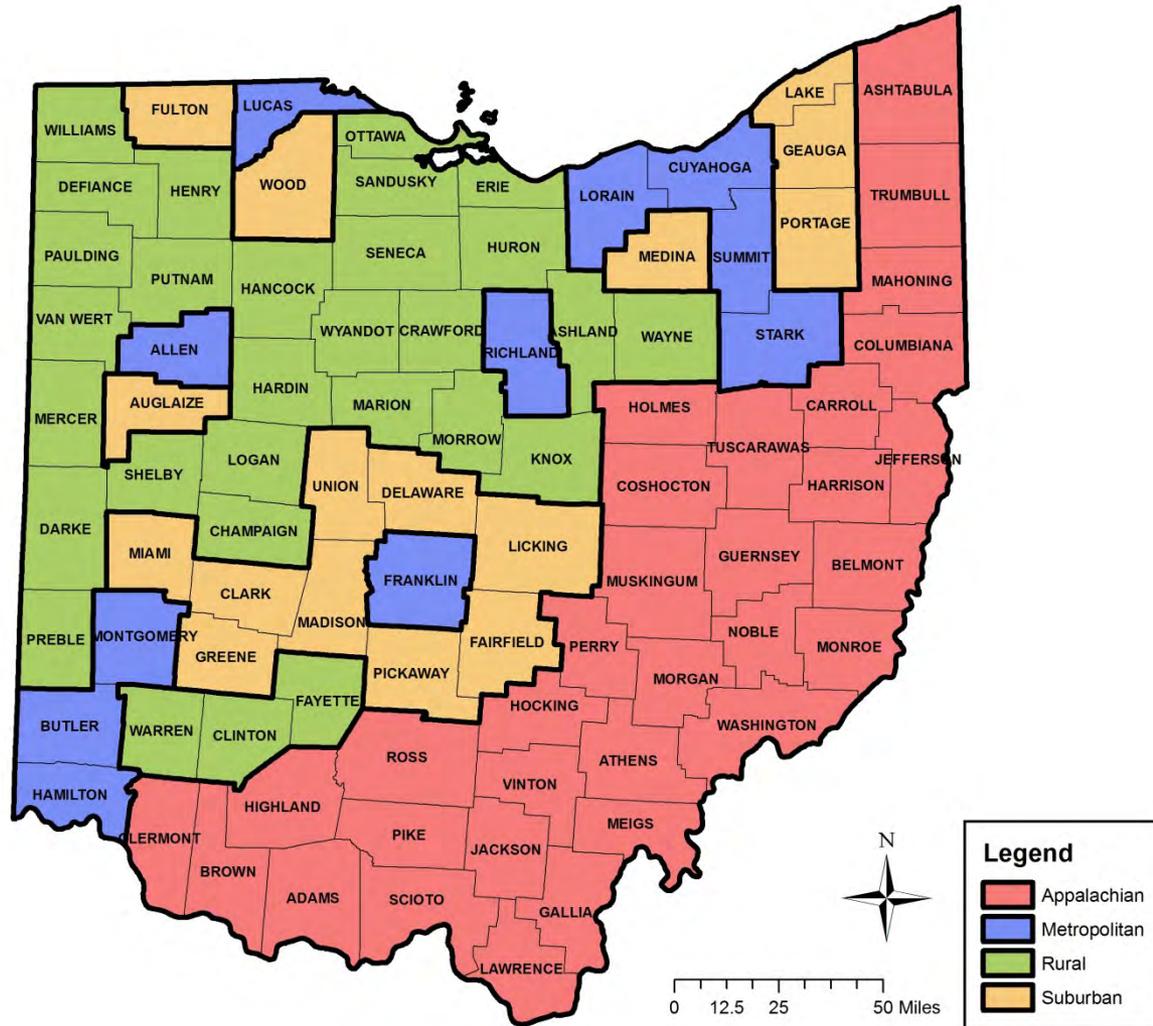
Richard Thomas, MPH

Missy VonderBrink, MPH

Presentation by:

Arthur R. James MD

County Type Analysis





Socioeconomic Status and Infant Mortality in Ohio

Data Compiled by: Richard Thomas, MPH

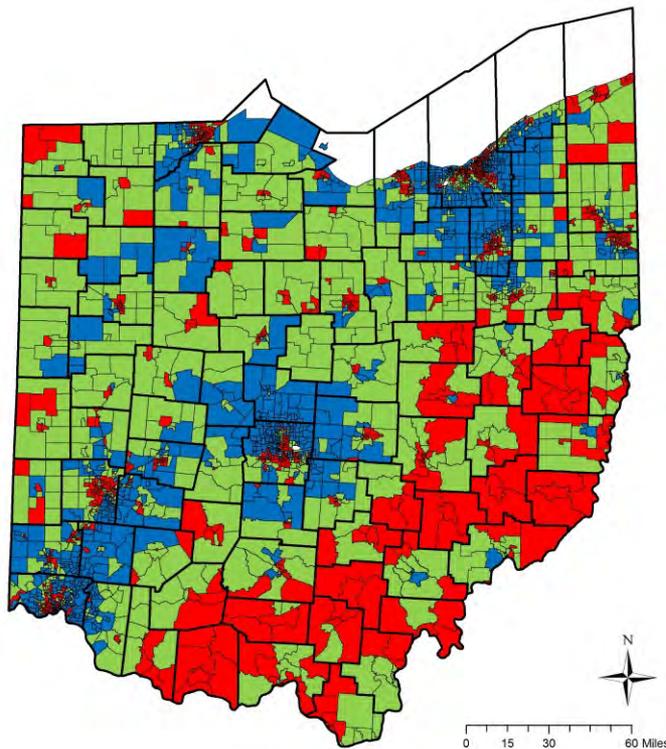
Socioeconomic Status¹

- Tertiles of socioeconomic status (SES) were separately calculated using educational attainment and median household income at the census tract level



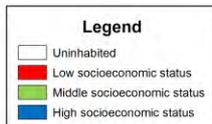
Statewide Analysis

Socioeconomic Tertiles¹ of the State of Ohio by Census Tract², 2008-2012

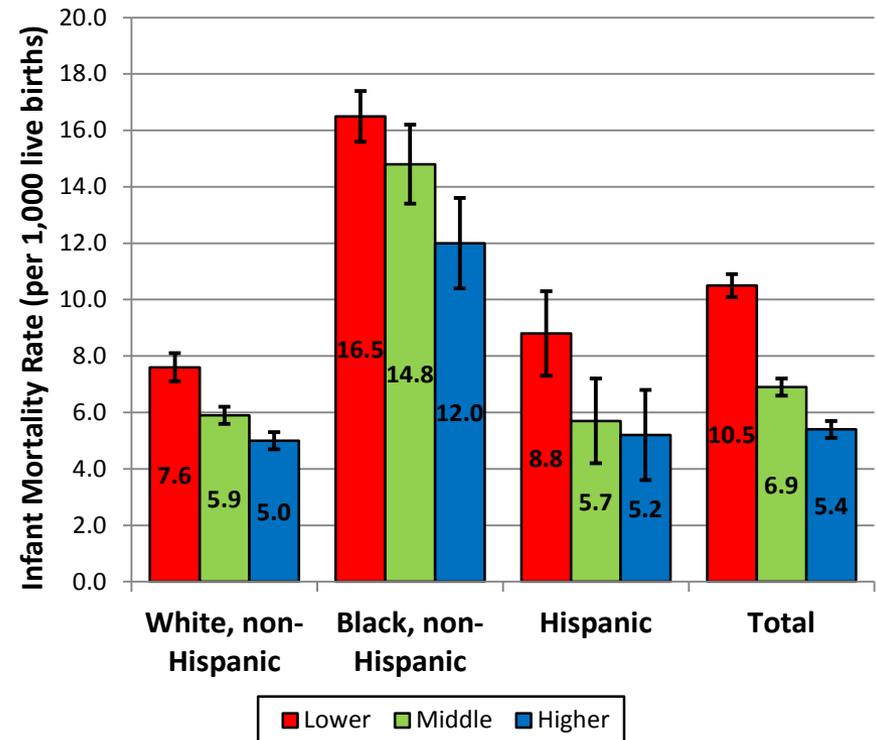


¹ Socioeconomic status was defined by median household income and attainment of a bachelor degree or higher by individuals 25 years of age or greater.
² 2010 U.S. Census Tracts.

Source: Socioeconomic status calculated from American Community Survey 5 year estimates (2008-2012). Data compiled July 2, 2014.
 Prepared by: Richard Thomas, MPH, Epidemiology Section, Division of Family and Community Health Services, Ohio Department of Health.



Infant Mortality³ by Race and SES¹ Tertiles, 2008-2012, Ohio

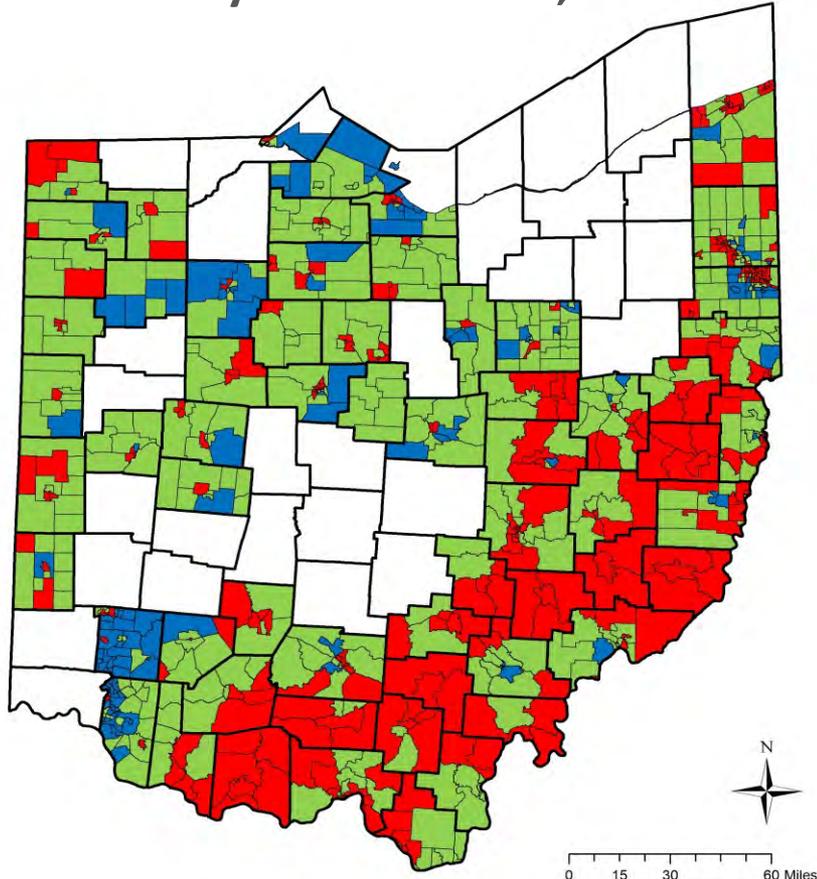


³ Infant mortality was calculated per 1,000 live births.

Source: Birth and death statistical files, Office of Vital Statistics, Ohio Department of Health.

Statewide Analysis, Displaying ONLY Appalachian and Rural, Non-Appalachian Counties

Socioeconomic Tertiles¹ of the State of Ohio by Census Tract², 2008-2012



¹ Socioeconomic status was defined by median household income and attainment of a bachelor degree or higher by individuals 25 years of age or greater.

² 2010 U.S. Census Tracts.

Source: Socioeconomic status calculated from American Community Survey 5 year estimates (2008-2012). Data compiled July 2, 2014.

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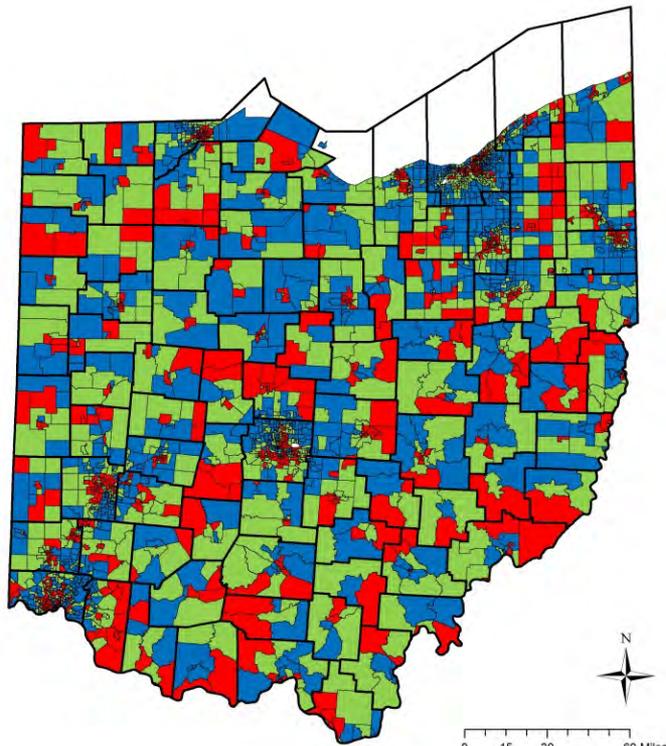
Legend

Tertile

-  Uninhabited
-  Low socioeconomic status
-  Middle socioeconomic status
-  High socioeconomic status

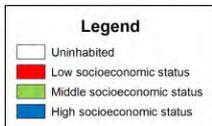
County Analysis

Socioeconomic Tertiles¹ of the State of Ohio by Census Tract², 2008-2012

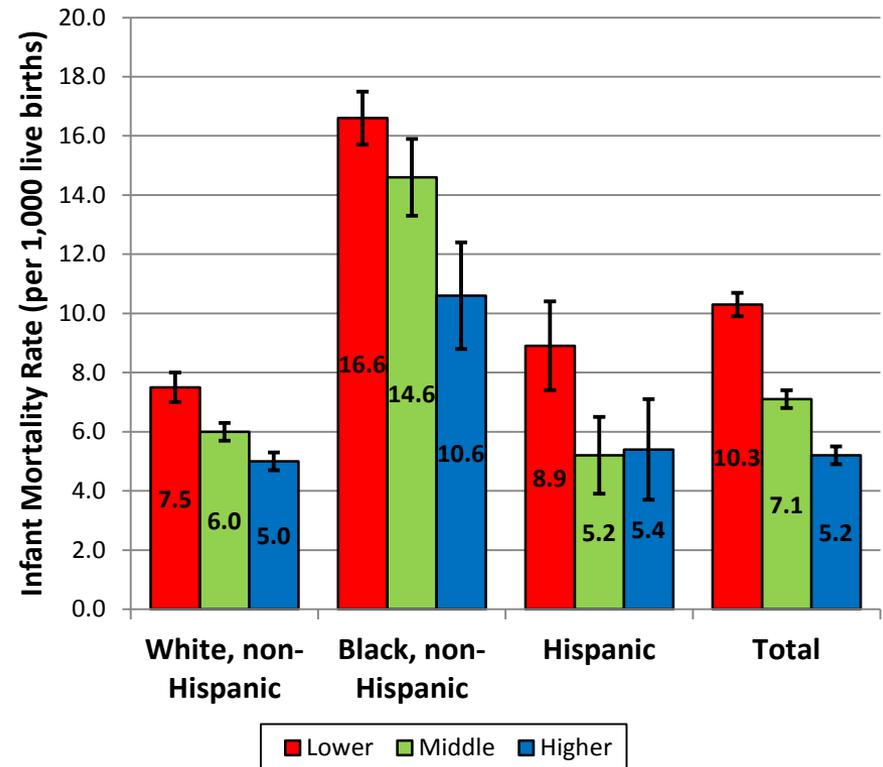


¹ Socioeconomic status was defined by median household income and attainment of a bachelor degree or higher by individuals 25 years of age or greater.
² 2010 U.S. Census Tracts.

Source: Socioeconomic status calculated from American Community Survey 5 year estimates (2008-2012). Data compiled July 2, 2014.
 Prepared by: Richard Thomas, MPH, Epidemiology Section, Division of Family and Community Health Services, Ohio Department of Health.



Infant Mortality³ by Race and SES¹ Tertiles, 2008-2012, Ohio

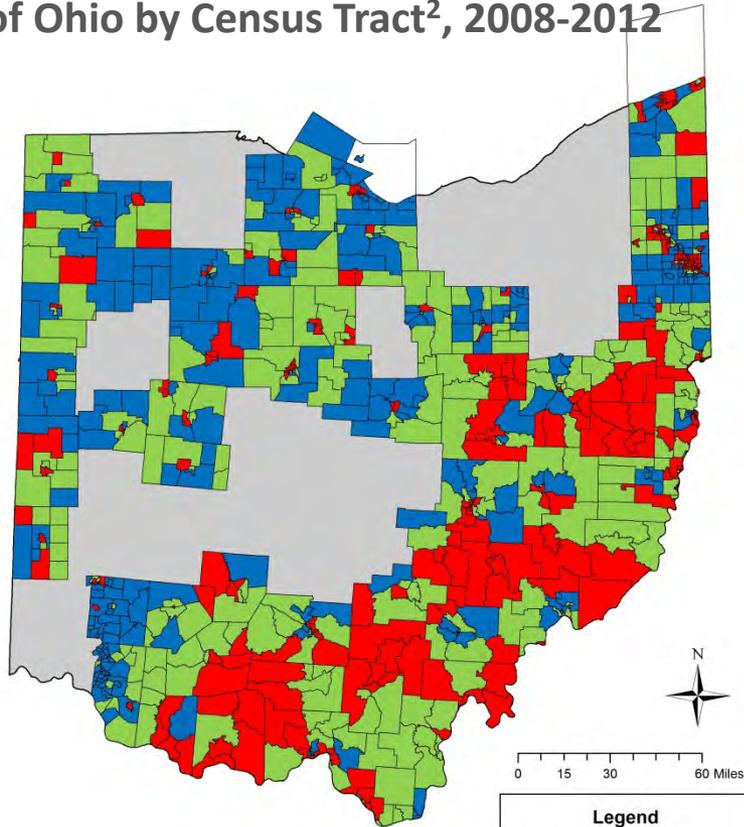


³ Infant mortality was calculated per 1,000 live births.

Source: Birth and death statistical files, Office of Vital Statistics, Ohio Department of Health.

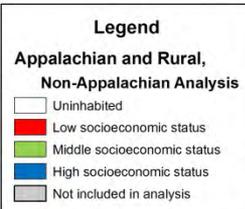
Appalachian and Rural, Non-Appalachian County Type Analysis

Socioeconomic Tertiles¹ of the Appalachian and Rural, Non-Appalachian County Types of Ohio by Census Tract², 2008-2012



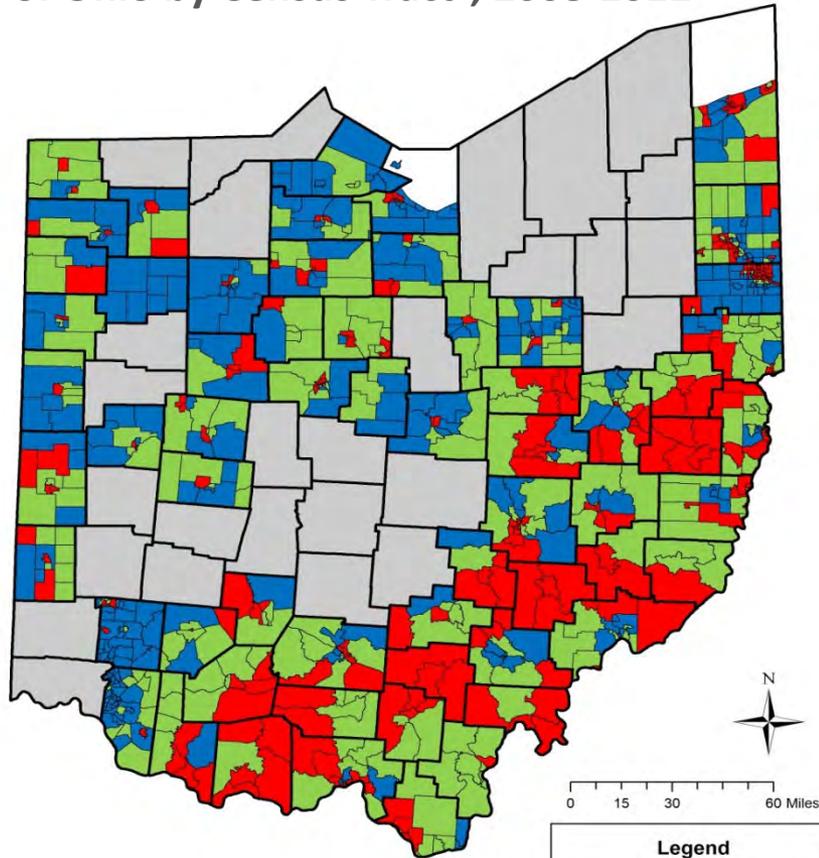
¹ Socioeconomic status was defined by median household income and attainment of a bachelor degree or higher by individuals 25 years of age or greater.
² 2010 U.S. Census Tracts.

Source: Socioeconomic status calculated from American Community Survey 5 year estimates (2008-2012). Data compiled August 28, 2014.
Prepared by: Richard Thomas, MPH, Epidemiology Section, Division of Family and Community Health Services, Ohio Department of Health.



Appalachian and Rural, Non-Appalachian County Type Analysis

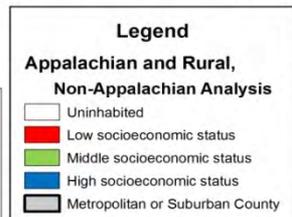
Socioeconomic Tertiles¹ of the Appalachian and Rural, Non-Appalachian County Types of Ohio by Census Tract², 2008-2012



¹ Socioeconomic status was defined by median household income and attainment of a bachelor degree or higher by individuals 25 years of age or greater.

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Source: Socioeconomic status calculated from American Community Survey 5 year estimates (2008-2012). Data compiled August 28, 2014.
Prepared by: Richard Thomas, MPH, Epidemiology Section, Division of Family and Community Health Services, Ohio Department of Health.

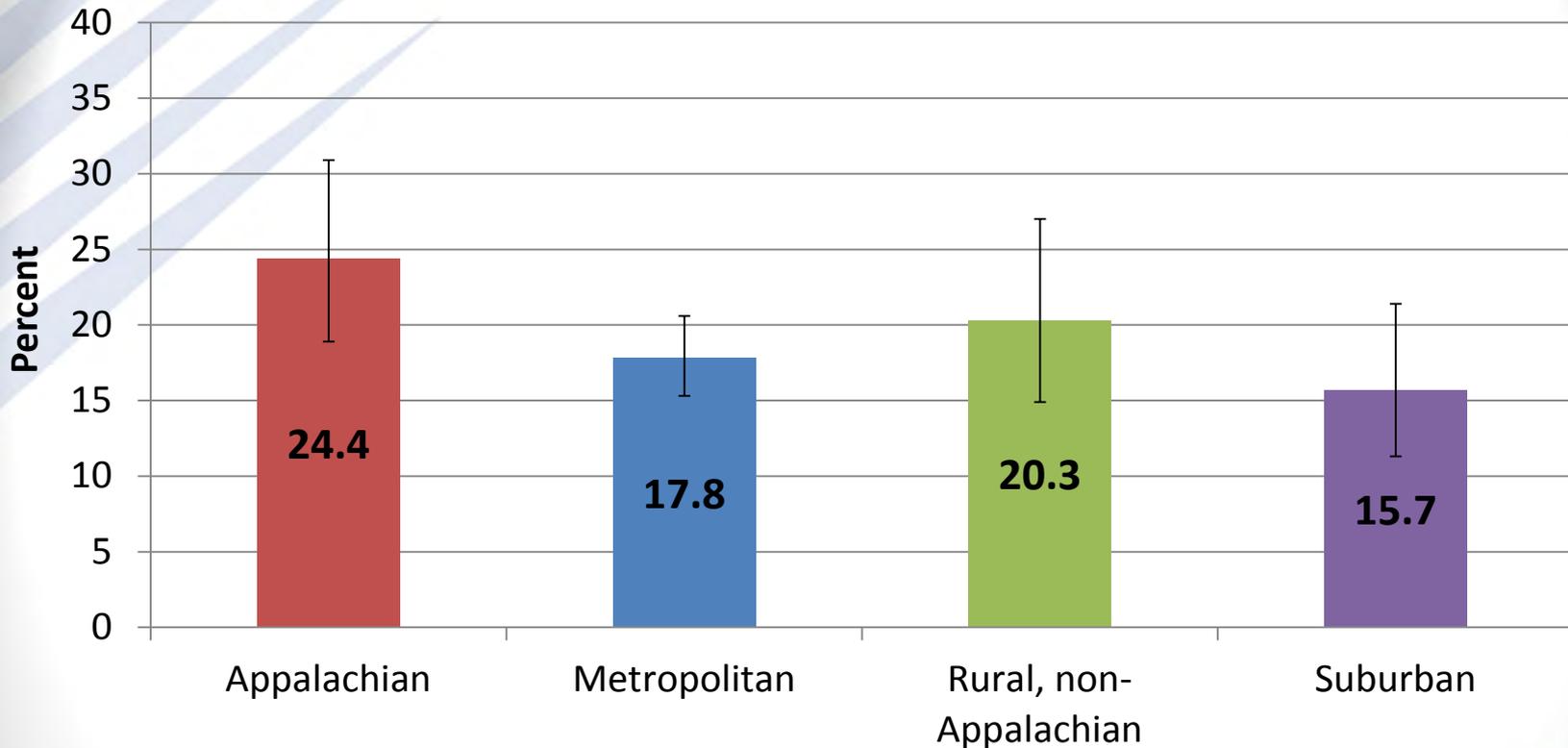




Risk Factors for Poor Birth Outcomes

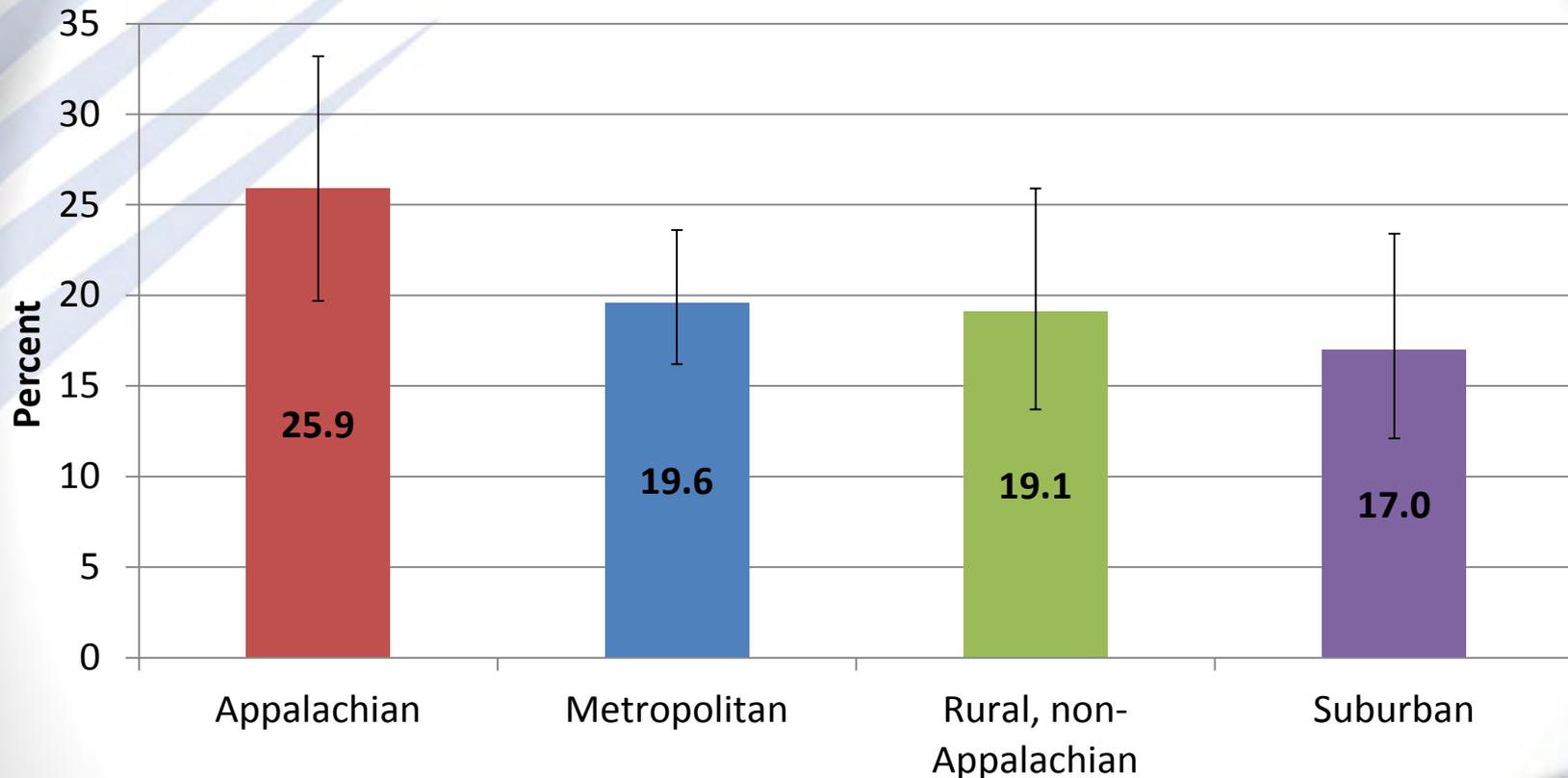
Data Compiled by: Missy VonderBrink, MPH

Mothers Who Smoked During Pregnancy, By County Type, Ohio, 2009-2010



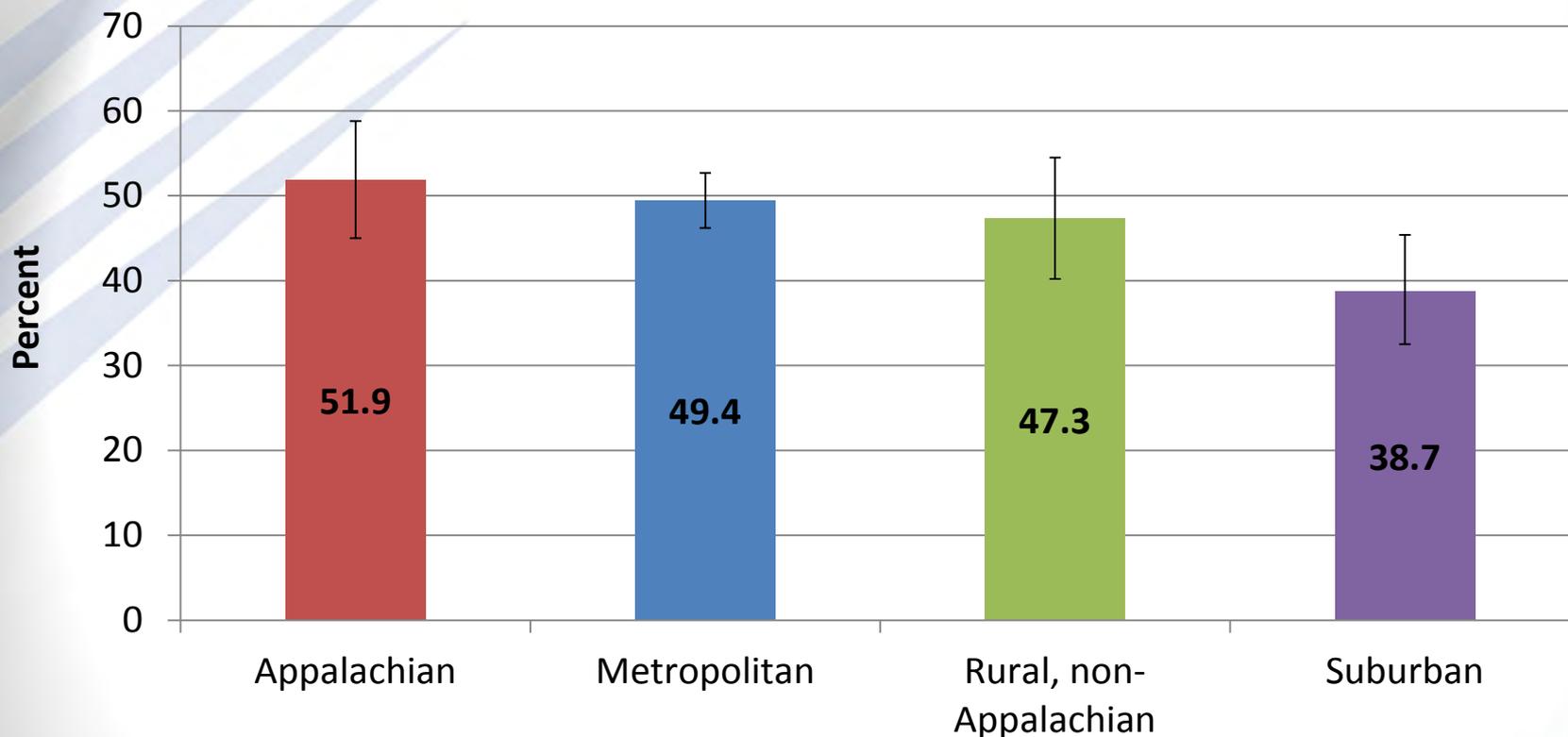
Source: Ohio Pregnancy Risk Assessment Monitoring System, Ohio Department of Health

Non-Hispanic White Mothers Who Smoked During Pregnancy, By County Type, Ohio, 2009-2010



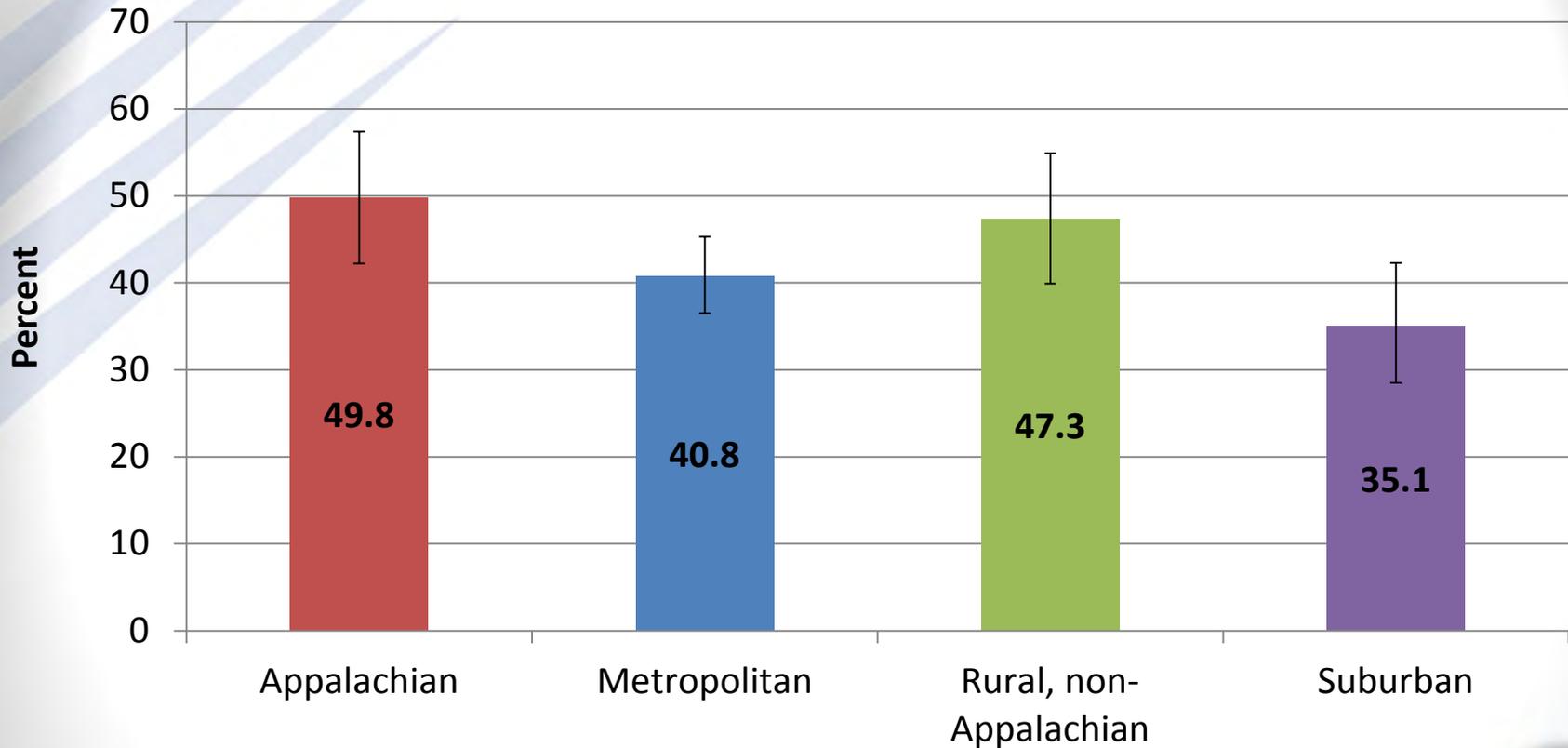
Source: Pregnancy Risk Assessment Monitoring System, Ohio Department of Health

Prevalence of Unintended Pregnancy Among Women Having a Live Birth, By County Type, Ohio, 2009-2010



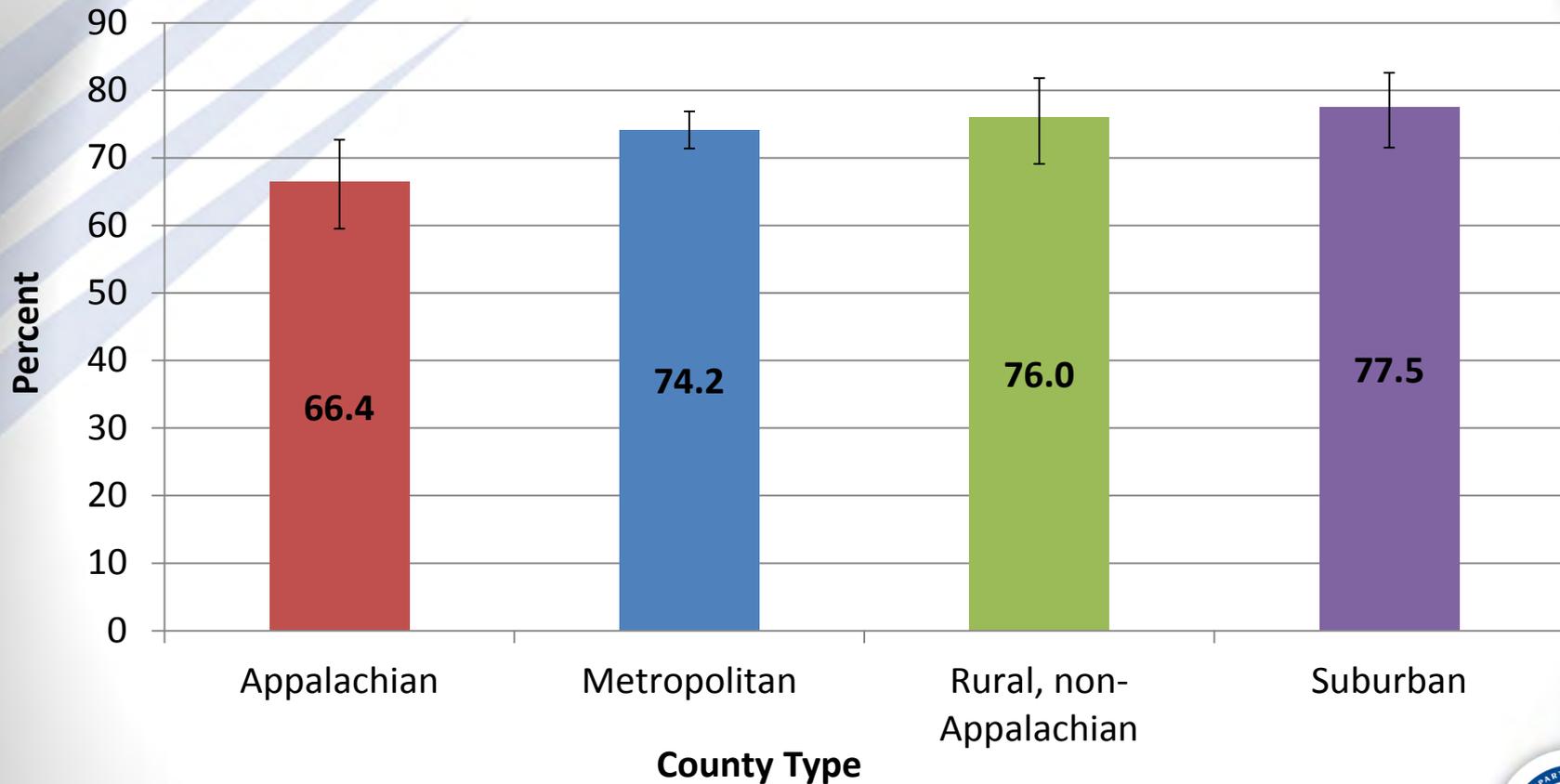
Source: Pregnancy Risk Assessment Monitoring System, Ohio Department of Health

Prevalence of Unintended Pregnancy Among Non-Hispanic White Women Having a Live Birth, By County Type, Ohio, 2009-2010



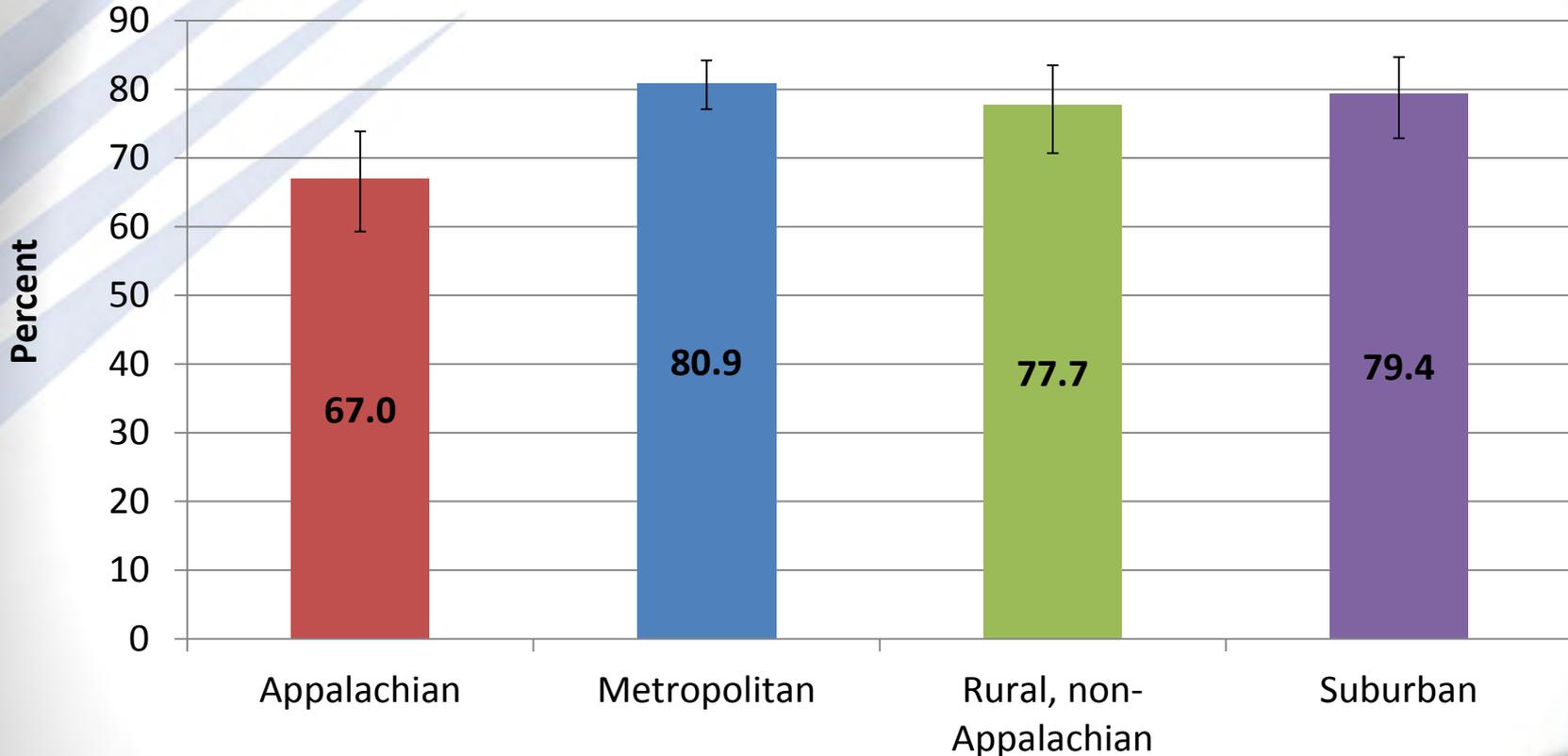
Source: Pregnancy Risk Assessment Monitoring System, Ohio Department of Health

Mothers Who Put Infant to Sleep on His/Her Back, By County Type, Ohio, 2009-2010



Source: Pregnancy Risk Assessment Monitoring System, Ohio Department of Health

Non-Hispanic White Mothers Who Put Infant to Sleep on His/Her Back, By County Type, Ohio, 2009-2010



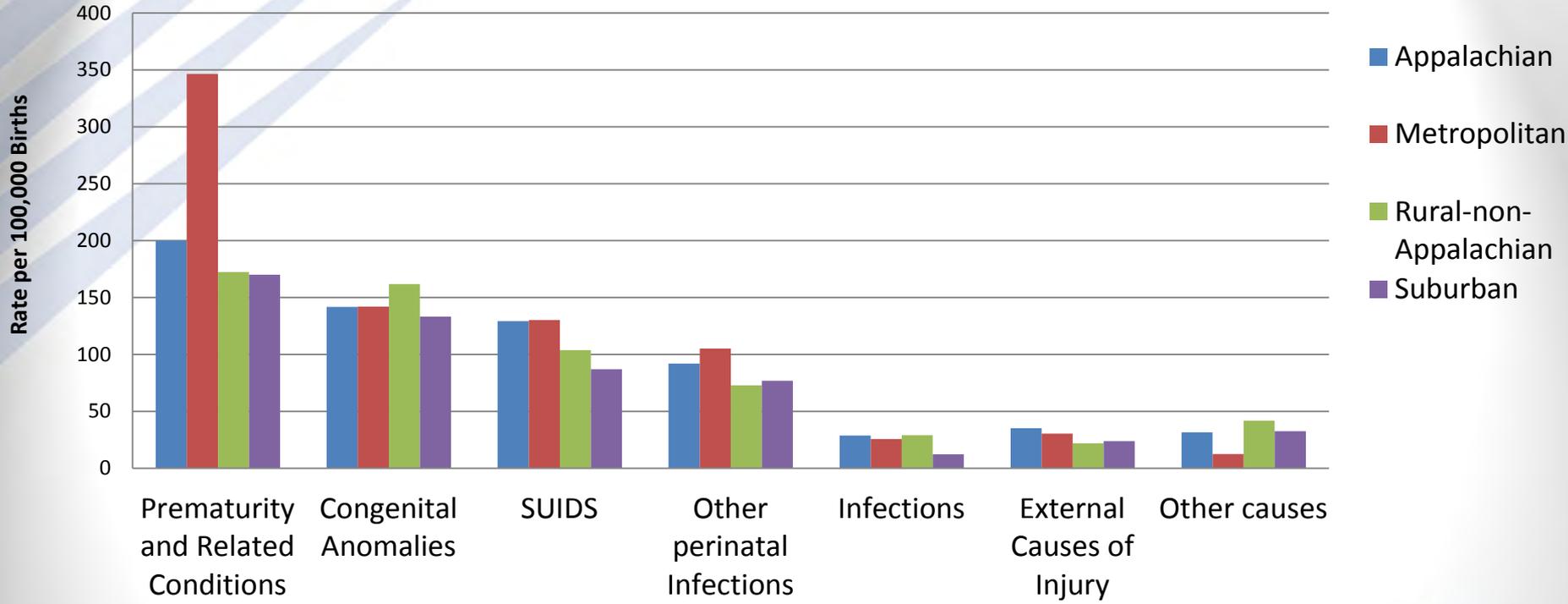
Source: Pregnancy Risk Assessment Monitoring System, Ohio Department of Health



Birth Outcomes in Ohio

Data Compiled by: Ayana Birhanu, MPH

Cause Specific Infant Mortality By County Type : Ohio, 2006-2011



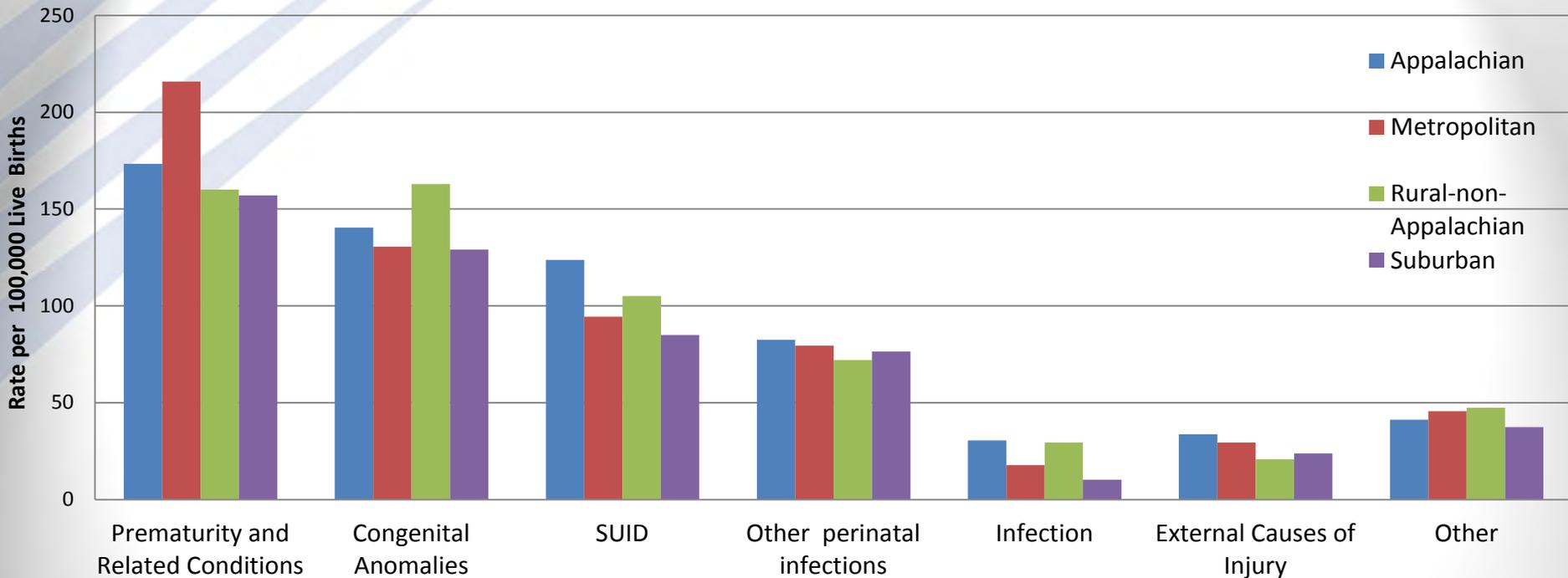
Source: Vital Statistics Birth/Death Linked File, Ohio Department of Health



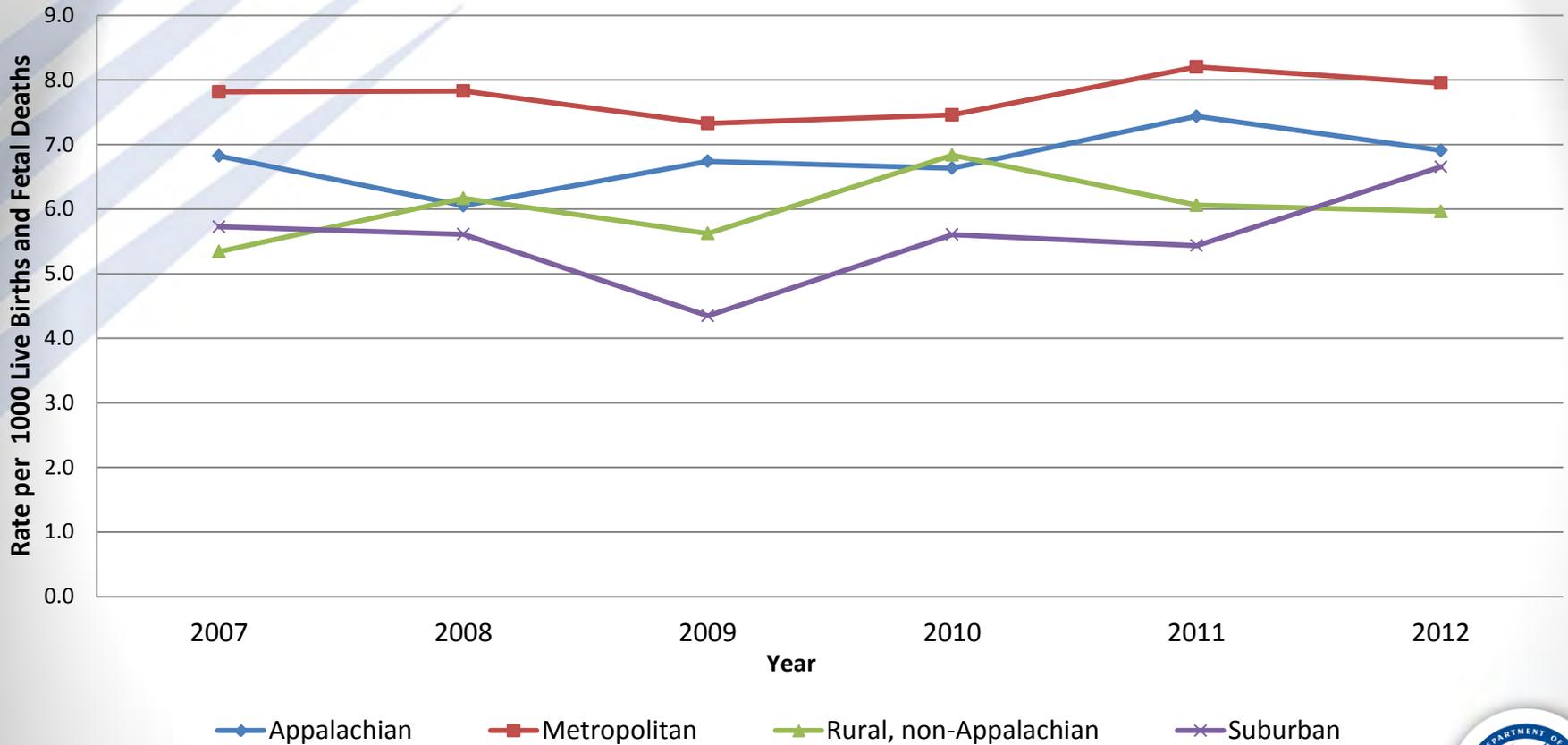
Non-Hispanic White Selected Cause Specific Infant Mortality : Ohio, 2006-2011



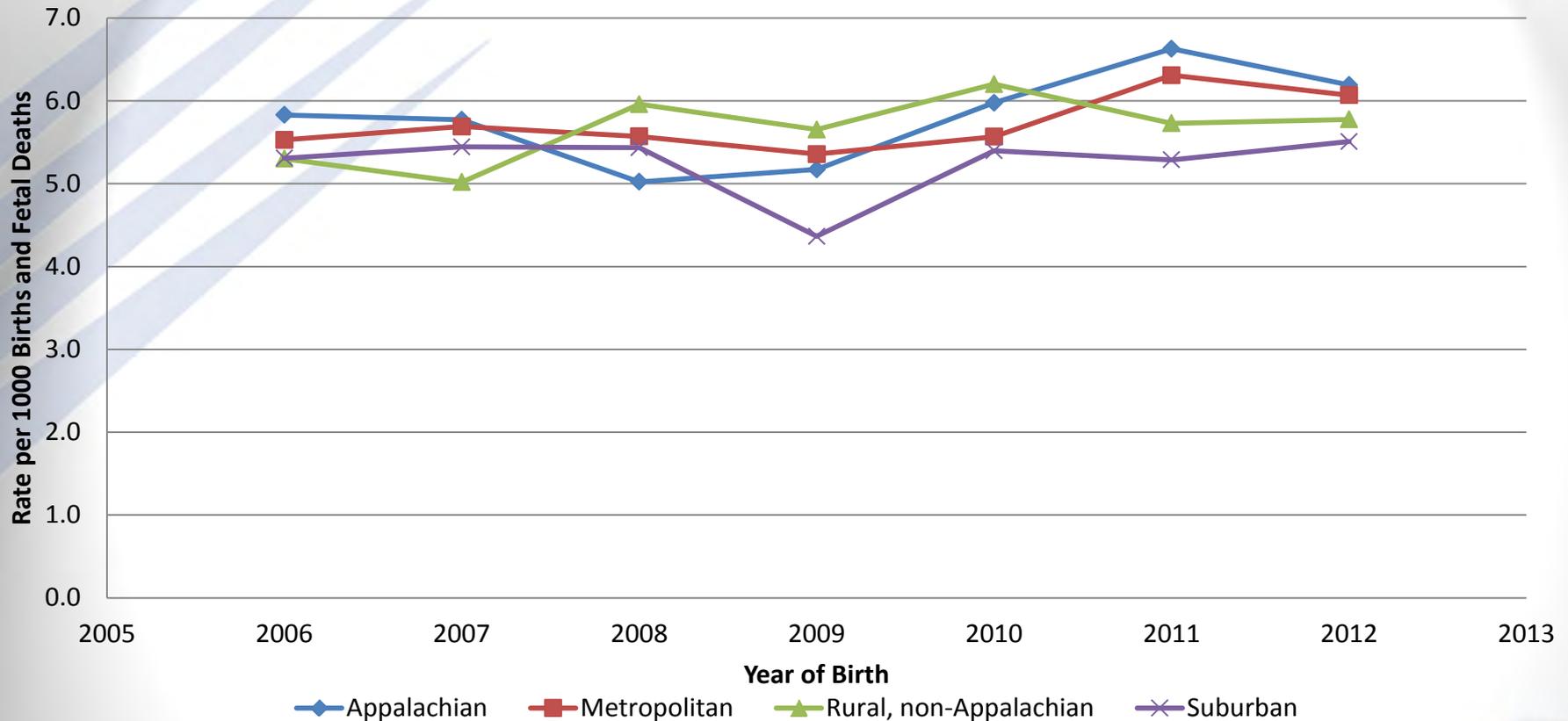
Non-Hispanic White Cause Specific Infant Mortality By County Type : Ohio, 2006-2011



Perinatal Mortality, By County Type and Year, Ohio, 2006-2012

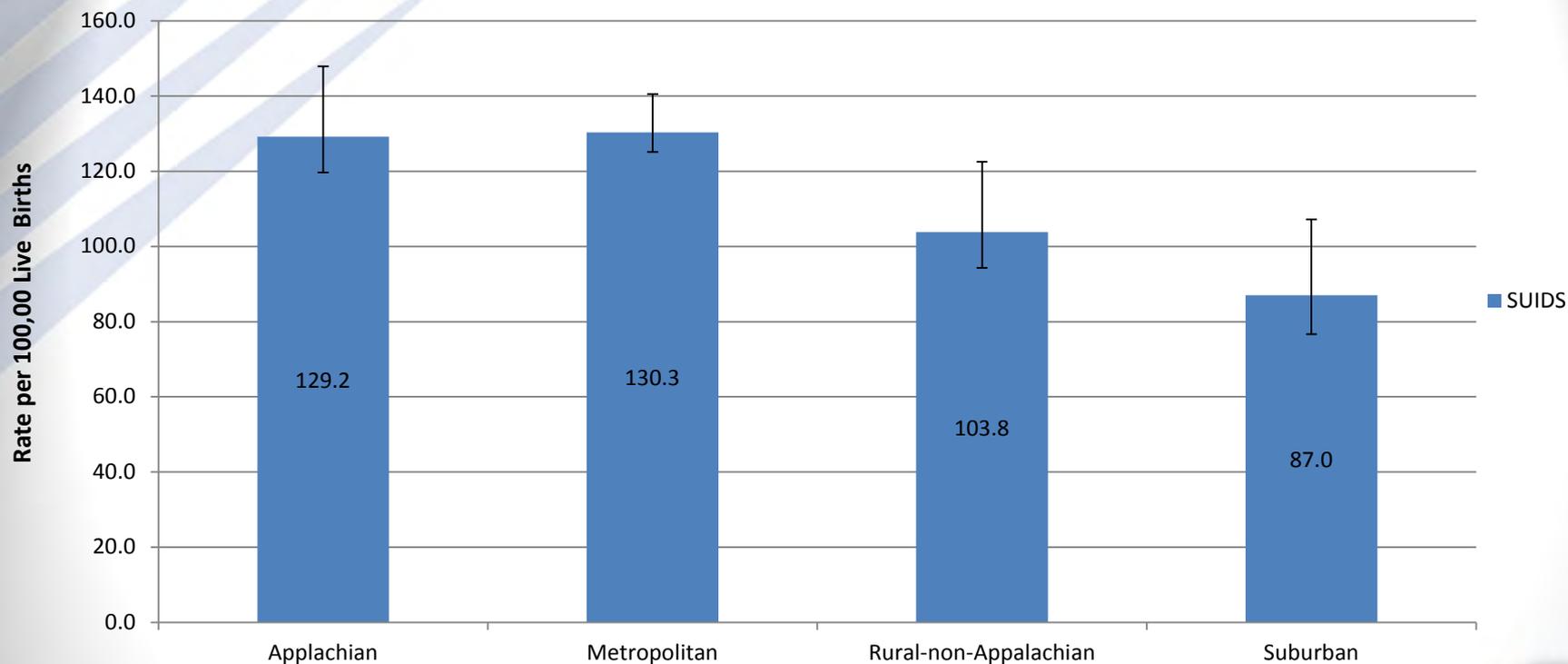


Non-Hispanic White Perinatal Mortality, By County Type and Year, Ohio, 2006-2012



Source: Vital Statistics Birth, Death, and Fetal Death Records, Ohio Department of Health

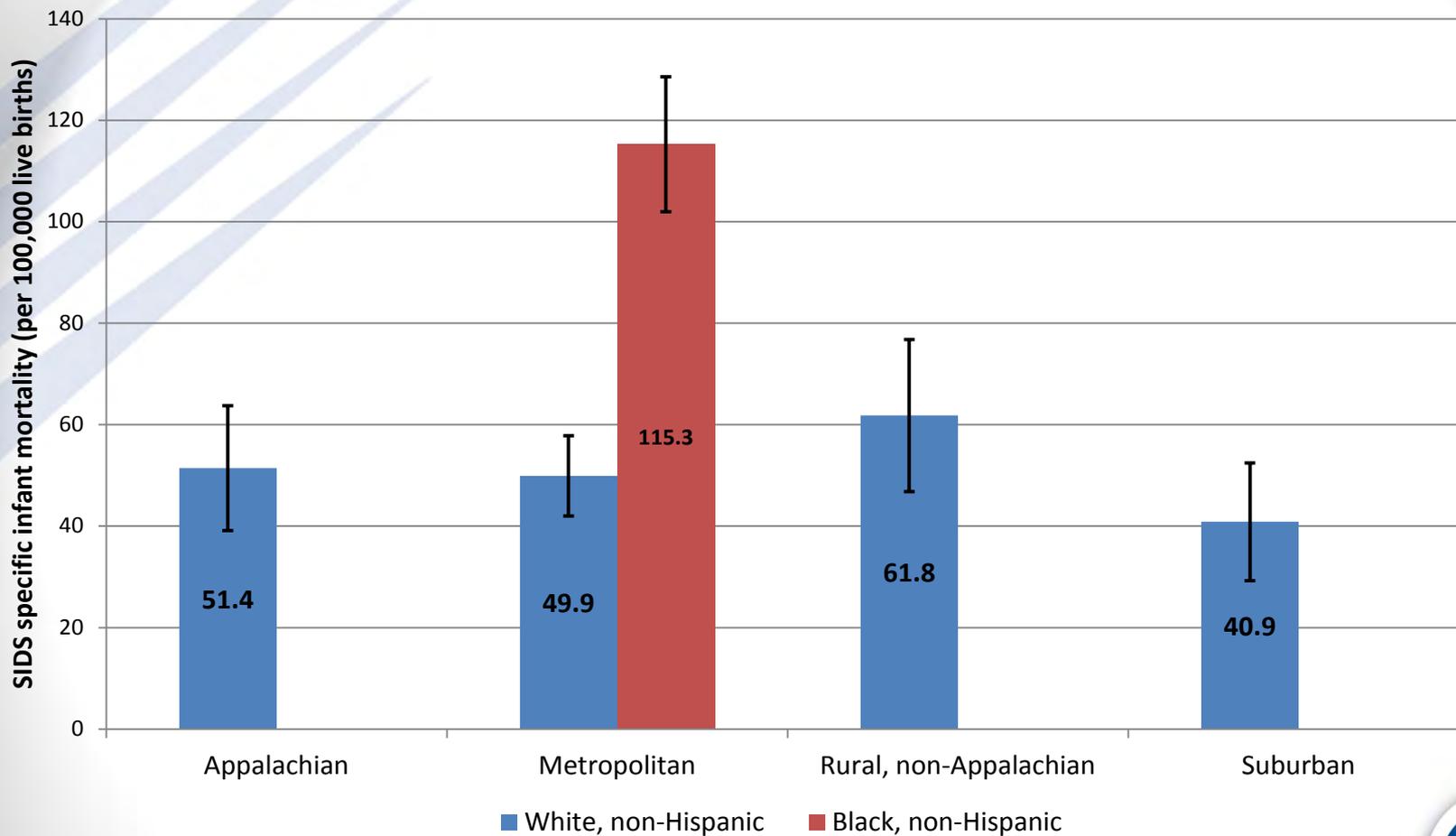
SUIDS-Related Infant Mortality, By County Type: Ohio, 2006-2011



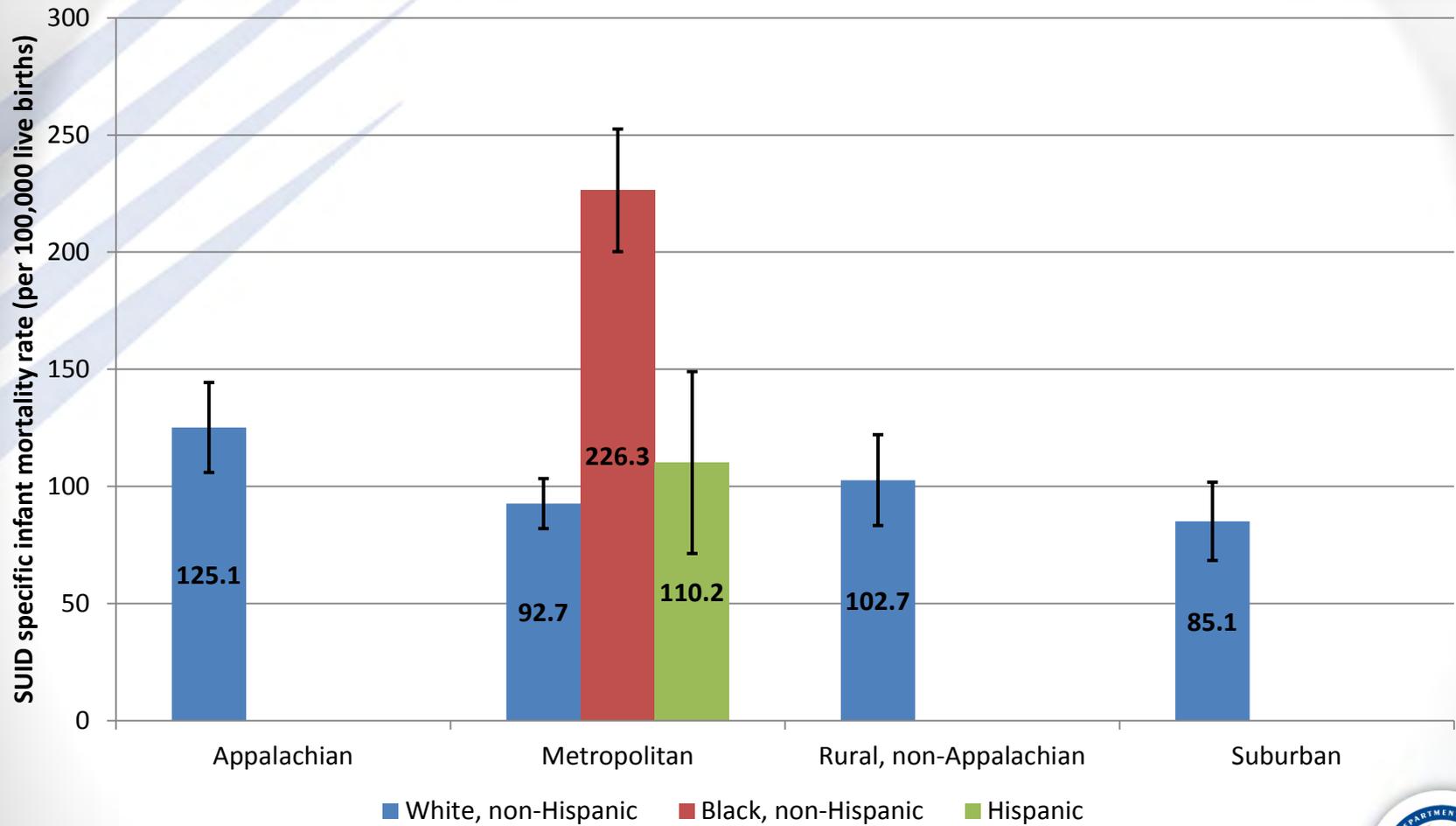
Source: Vital Statistics Linked Birth/Death File, Ohio Department of Health



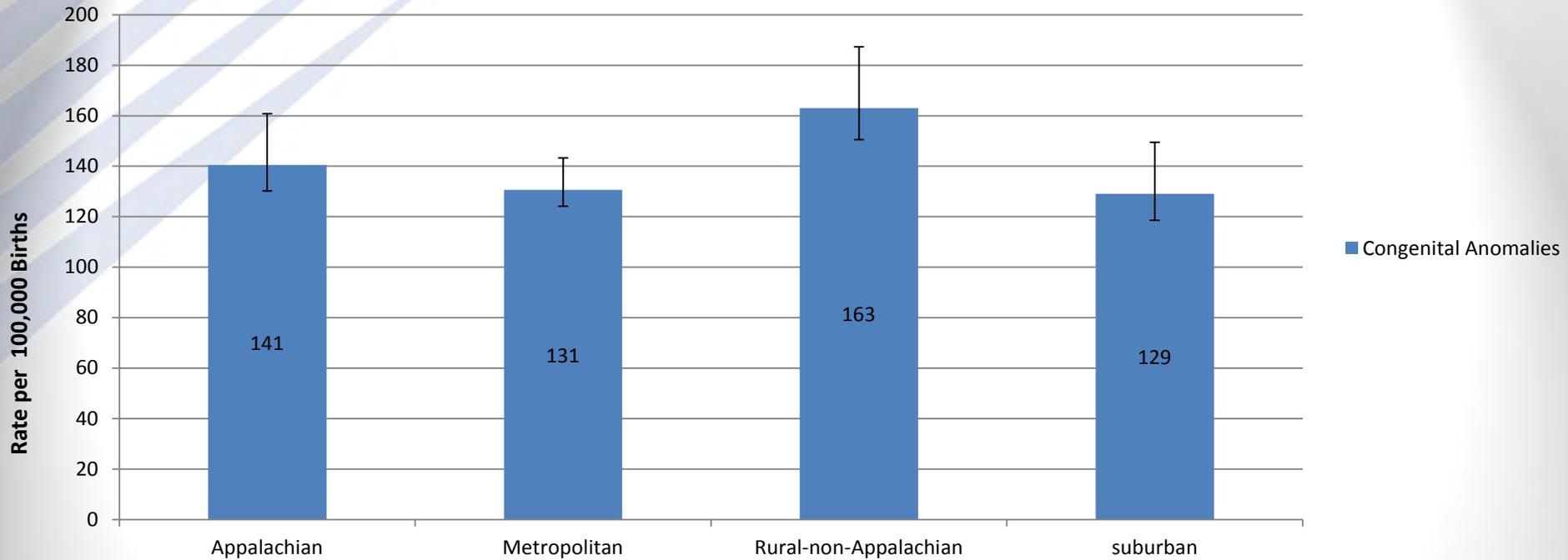
SIDS By County Type and Race/Ethnicity: Ohio, 2006-2011



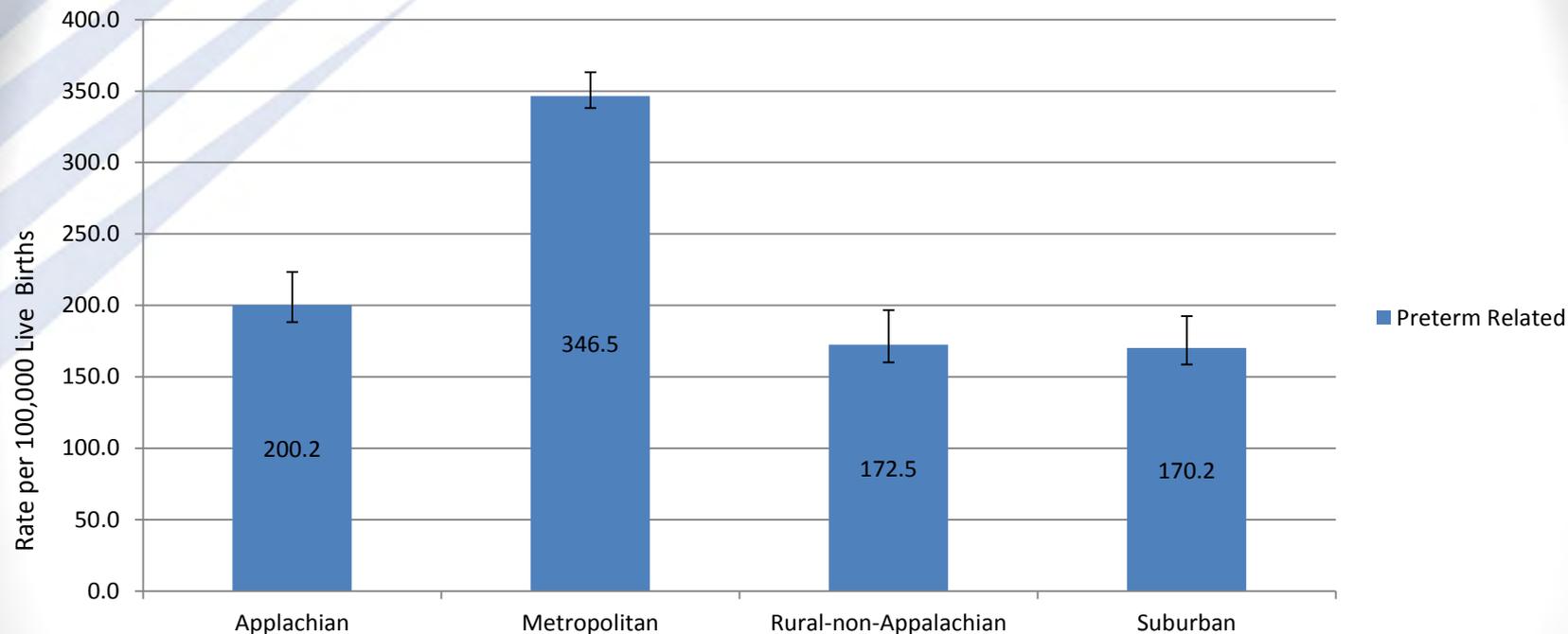
SUID Mortality By County Type and Race/Ethnicity, 2006-2011



Non-Hispanic White Congenital Anomalies Related Infant Mortality By County Type: Ohio, 2006-2011



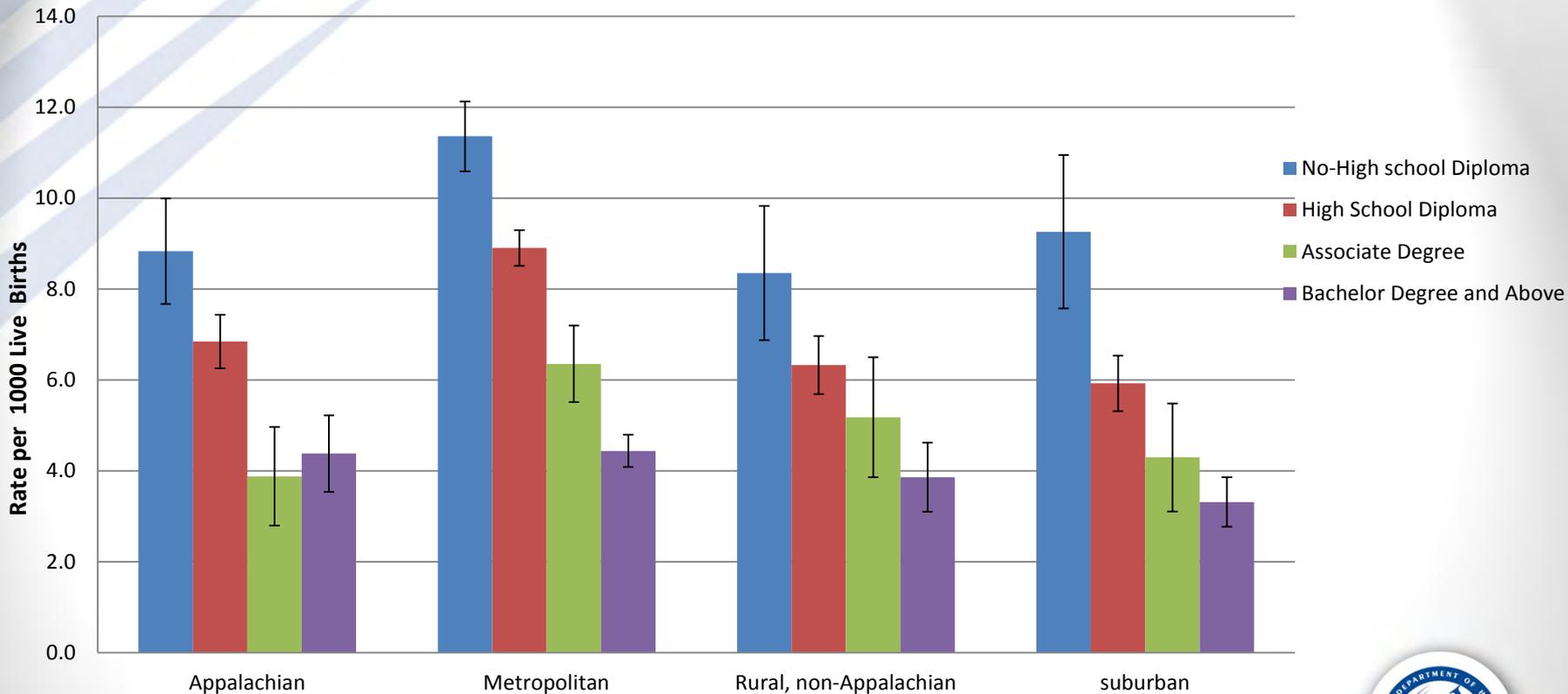
Preterm-Related Infant Mortality, By County Type: Ohio, 2006-2011



Source: Vital Statistics Birth/Death Linked File, Ohio Department of Health



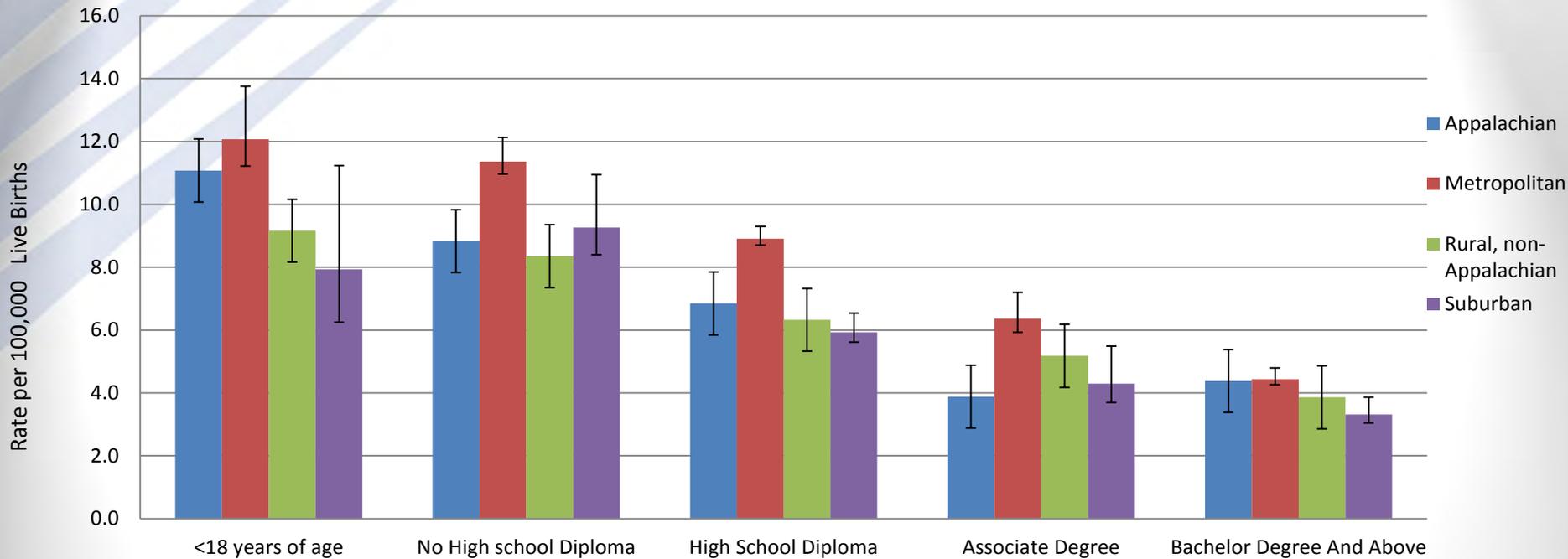
Infant Mortality to Mothers 18 Years of Age and Above, By Educational Status and County Type: Ohio, 2006-2011



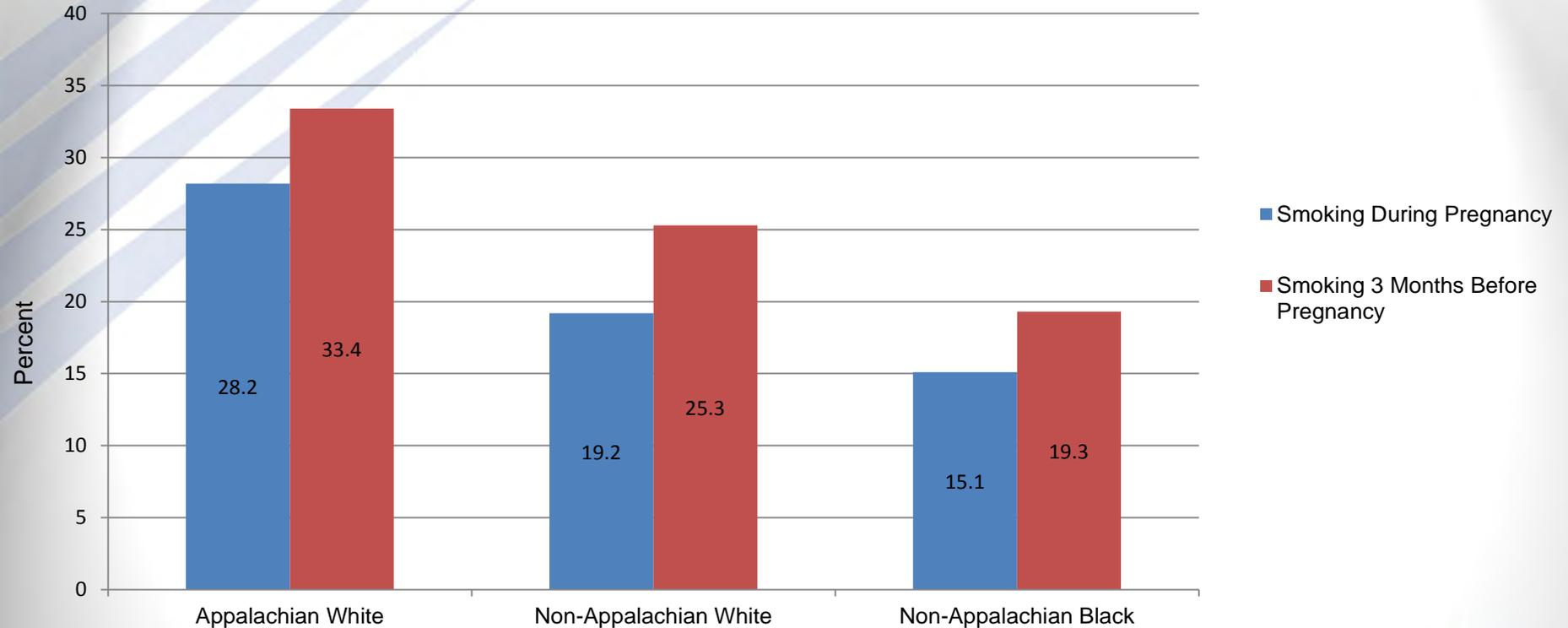
Source: Vital Statistics Birth/Death Linked File, Ohio Department of Health



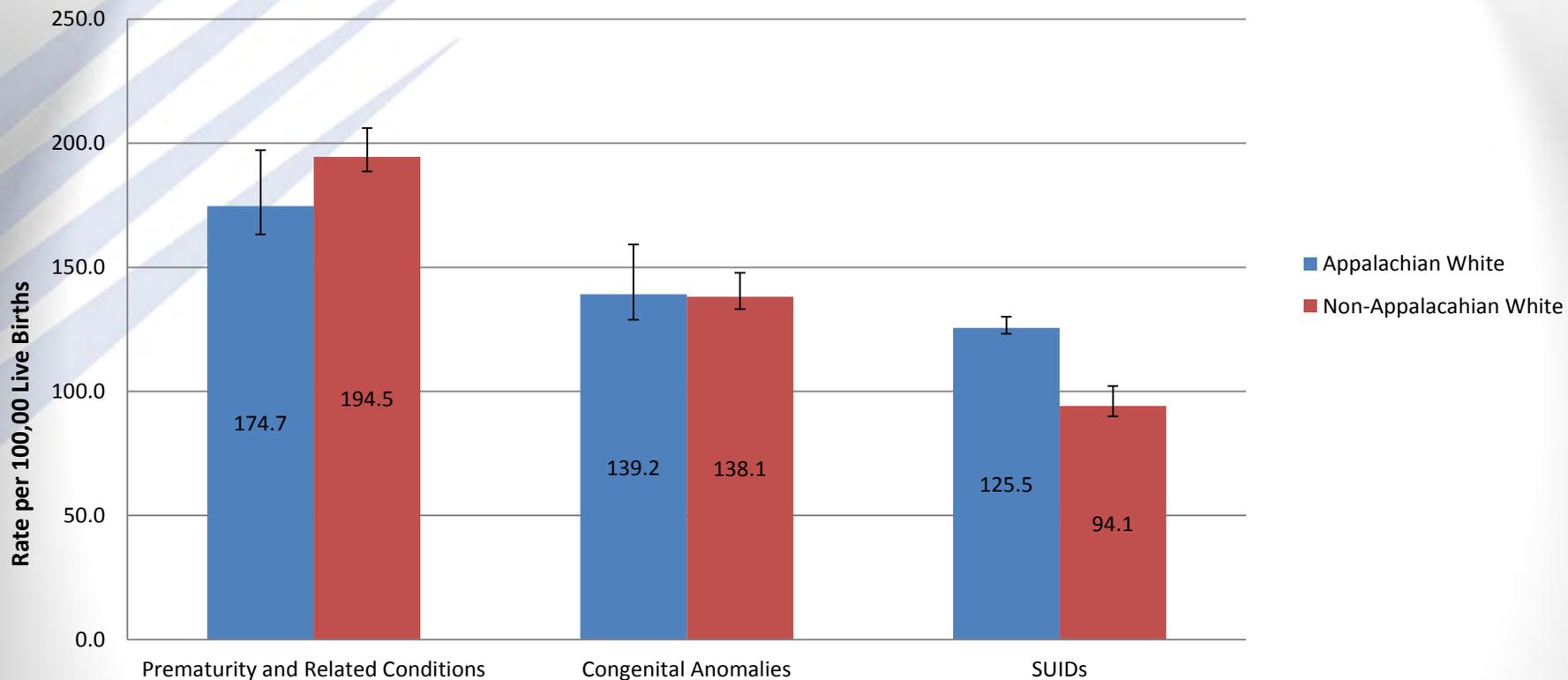
Infant Mortality to Mothers Below 18 Years of Age By County Type and Mothers 18 and Above Years of Age By Educational Status and County Type: Ohio, 2006-2011



Maternal Smoking, by Region and Race: Ohio, 2008-20012



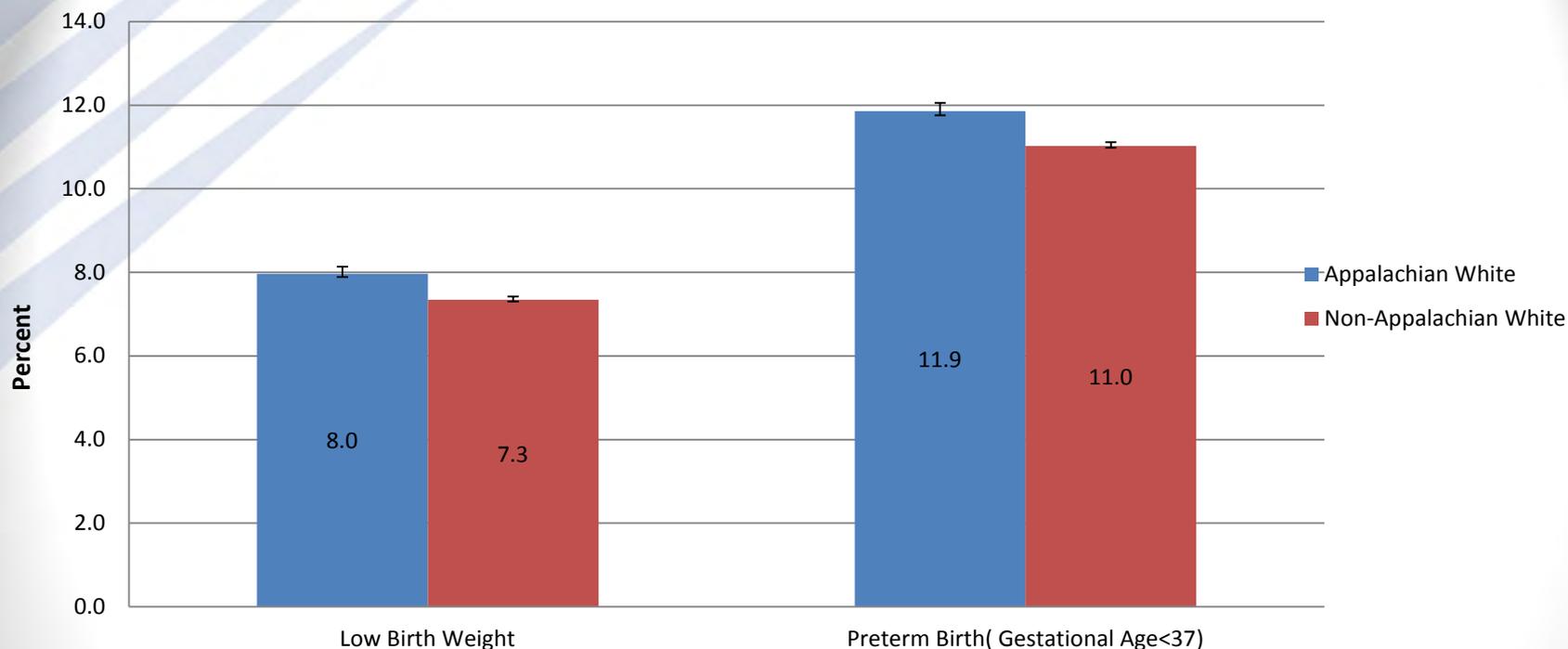
Three Leading Causes of White Infant Mortality By Region: Ohio, 2006-2011



Source: Vital Statistics Birth/Death Linked File, Ohio Department of Health



White Birth Outcomes By Region: Ohio, 2008-2012



Source: Vital Statistics, Ohio Department of Health

