# Georgia Annual Health Status Measures 2017





with comparisons to the U.S. and <u>Healthy People 2000</u>, 2010 & 2020 objectives

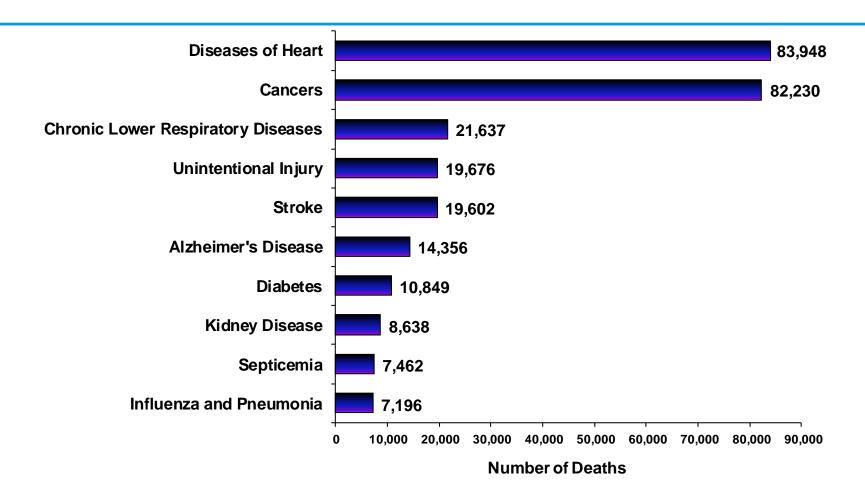


## **Leading Causes and Overview**

Top Causes of Death and Population Characteristics

#### Leading\* Causes of Death, Georgia

Number of Deaths 2012-2016



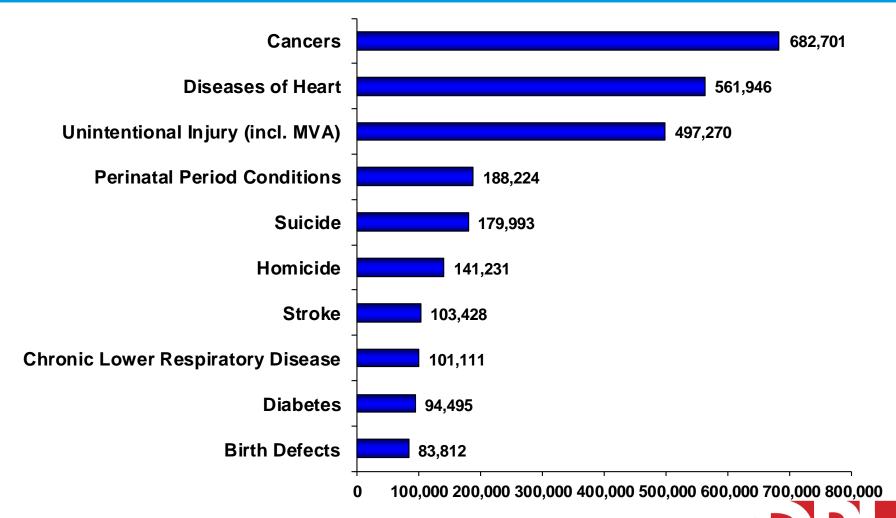


<sup>\*</sup> Cause categories are the National Centers for Health Statistics (NCHS), rankable causes of deaths applied to Georgia.

Source: Georgia Department of Public Health, Office of Health Indicators for Planning (OHIP), OASIS Dashboard http://oasis.state.ga.us

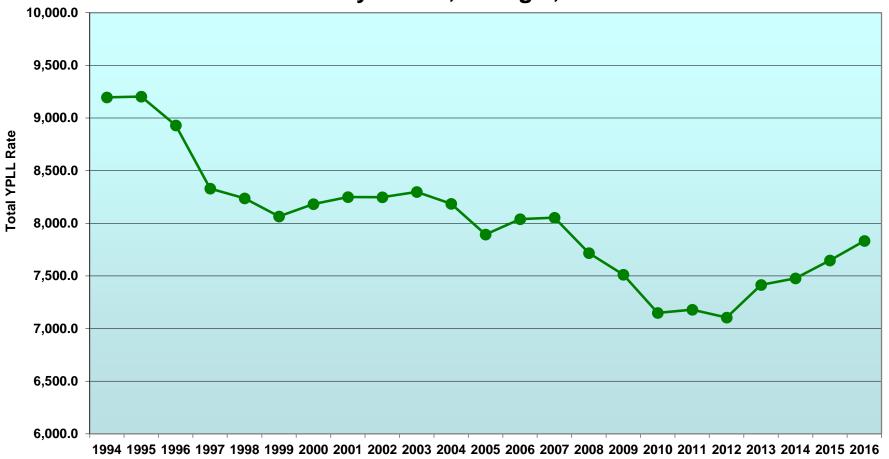
#### Leading\* Causes of Premature Deaths (before age 75), Georgia

Years of Potential Life Lost 2012-2016



**Years of Potential Life Lost** Georgia Department of Public Health

## Rate of Premature Death (Years of Potential Life Lost (YPLL)) from Any Cause, Georgia, 1994-2016

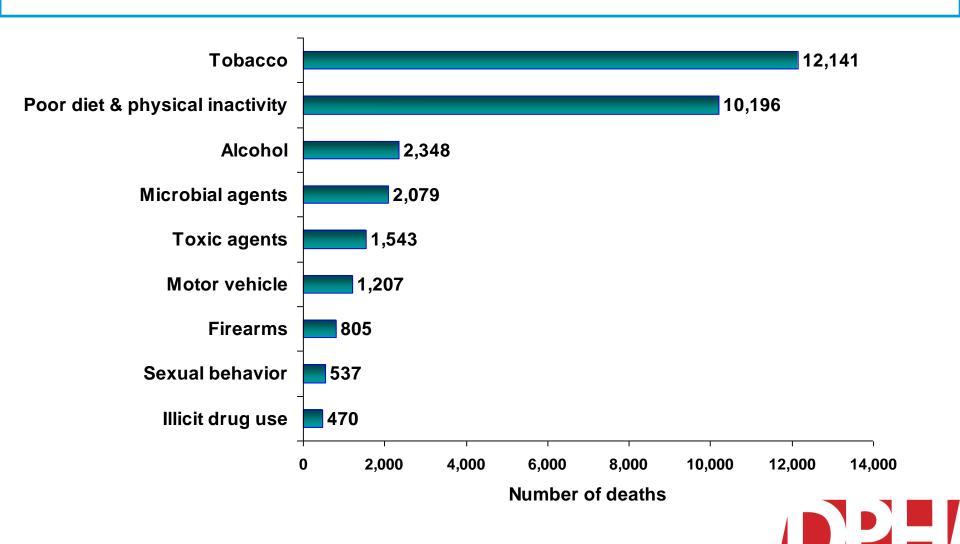


--- Georgia YPLL Rate



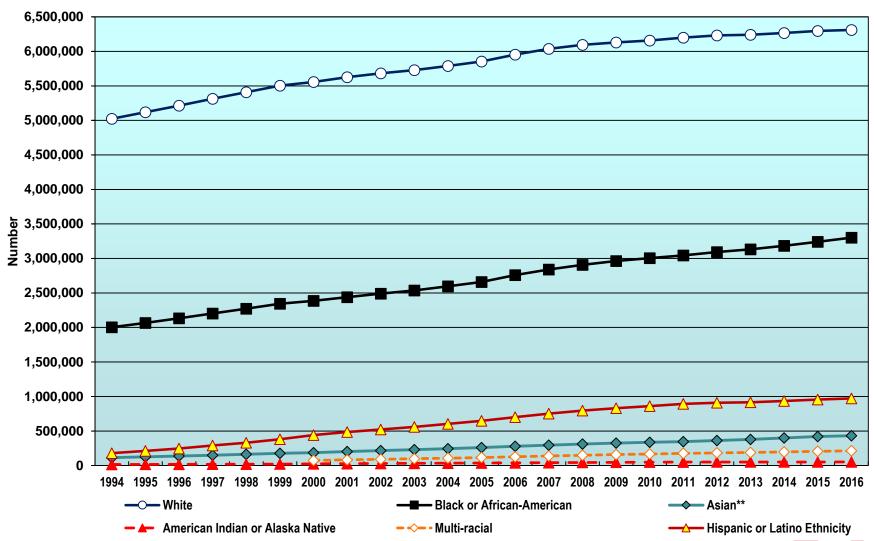
YPLL 75 represents the number of years of potential life lost due to death before age 75, as a measure of premature death. The YPLL 75 Rate is the years of potential life lost before age 75 that occur per 100,000 population less than 75 years of age.

#### Leading Actual Causes of Death\*, Georgia



Georgia Department of Public Health

## Population by Race, and Hispanic or Latino Ethnicity\*, Georgia, 1994-2016

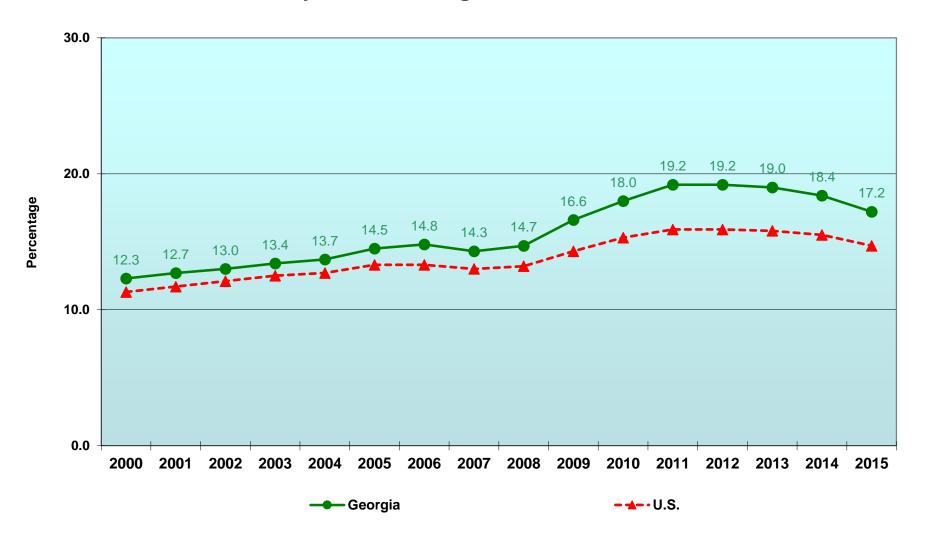


<sup>\*</sup>Hispanic can be of any race.



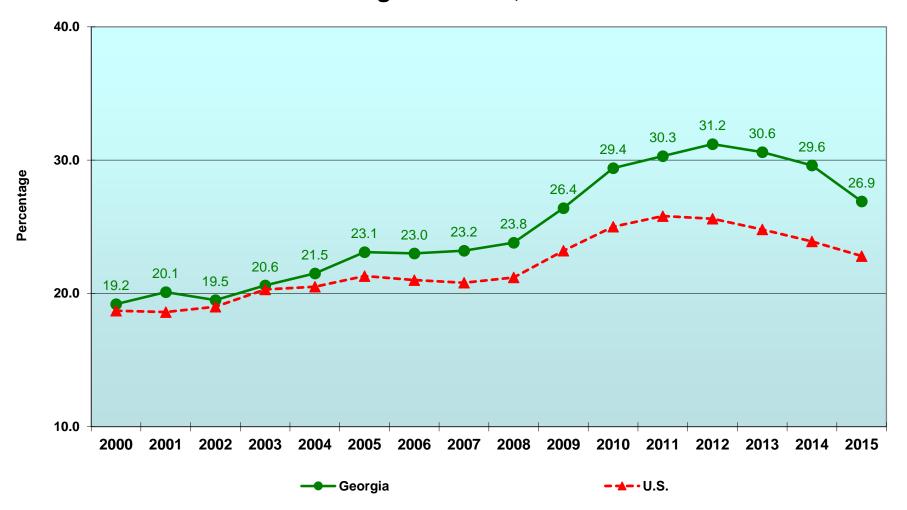
<sup>\*\*</sup> Asian includes Native Hawaiian or Other Pacific Islander to be comparable across all years.

#### Poverty Rates, Georgia and U.S., 2000-2015



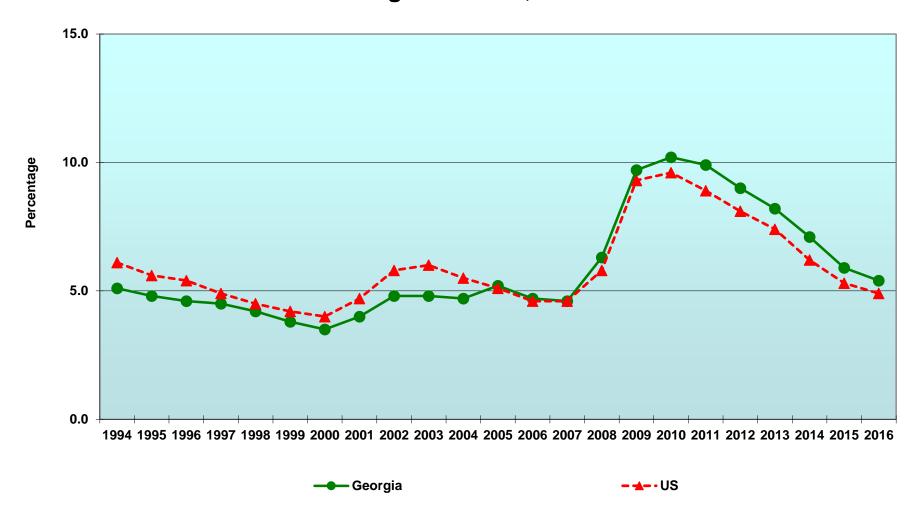


#### Poverty Rates of Children <5 years old, Georgia and U.S., 2000-2015





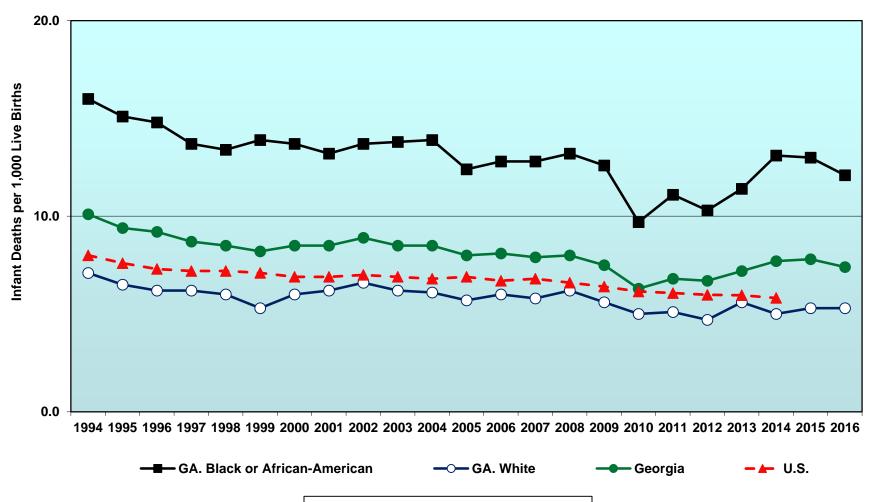
# Annual Average Unemployment Rates, Georgia and U.S., 1994-2016





## **Maternal and Child Health**

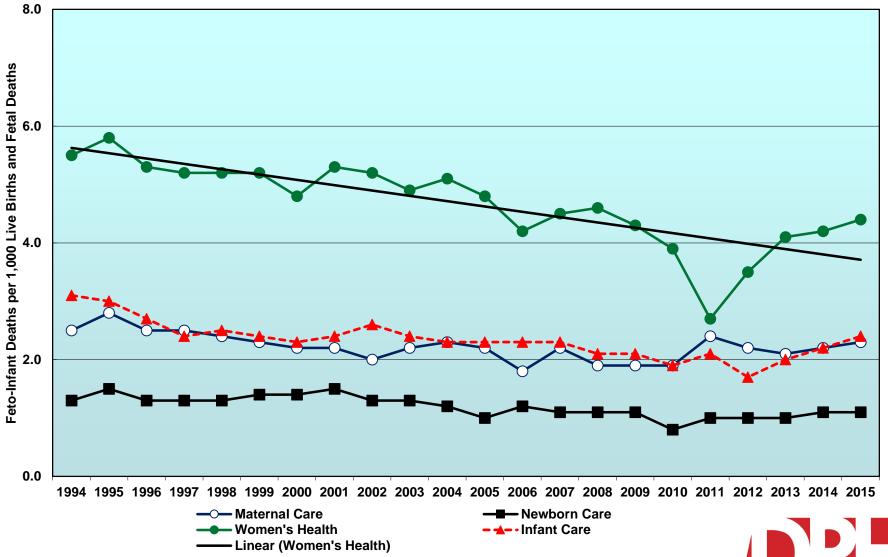
#### Infant Mortality Rate by Race, Georgia, and U.S., 1994-2016



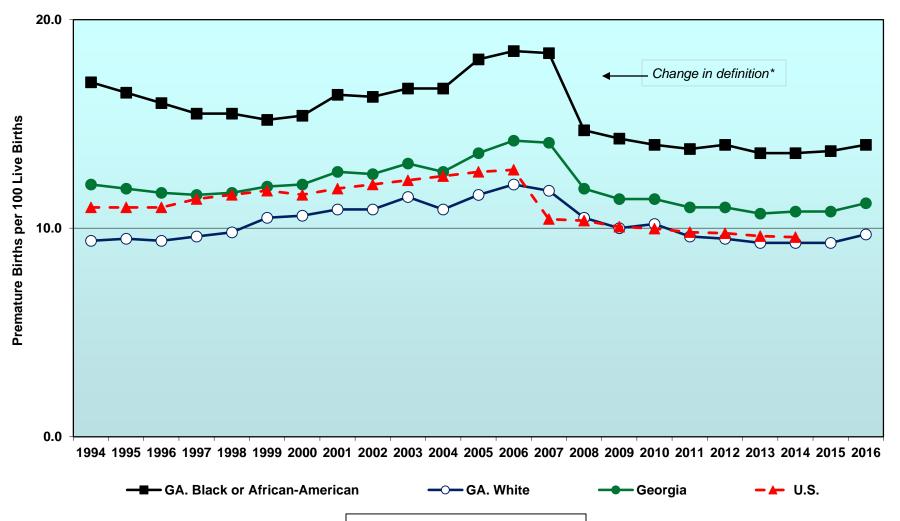
Healthy People 2010 Objective = 4.5 Healthy People 2020 Objective = 6.0



#### Feto-Infant Mortality Rate, Perinatal Periods of Risk, Georgia, 1994-2015 Birth Cohorts



## Percentage of Live Births born Premature (<37 weeks), Georgia, and U.S. by Race, 1994-2016\*



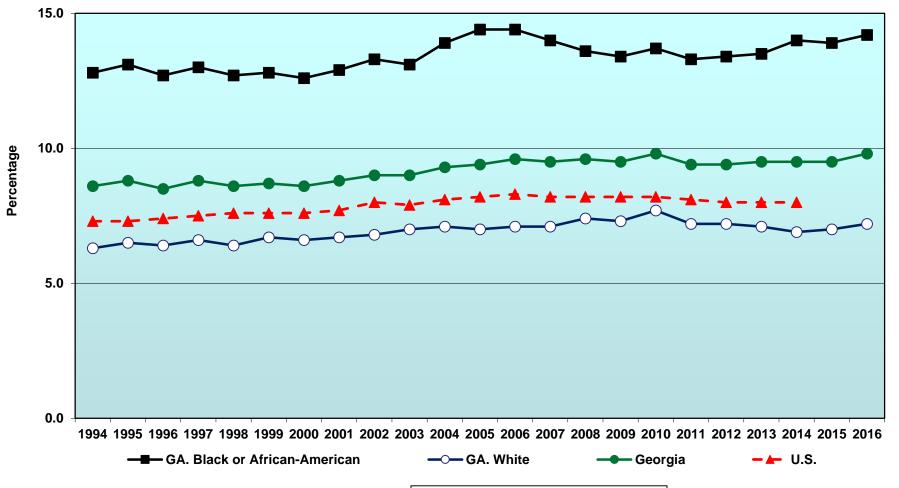
Healthy People 2010 Objective = 7.6

Source: Online Analytical Statistical Information System (OASIS), Georgia Department Public Health, Office of Health Indicators for Planning (OHIP). http://oasis.state.ga.us/

Georgia Department of Public Health

<sup>\*</sup> Georgia gestation calculated by OE method starting with 2008 data. U.S. figures from NCHS started using OE in 2007.

## Percentage of Live Births Weighing Less than 2,500 Grams (Low Birthweight), Georgia and U.S., by Race, 1994-2016

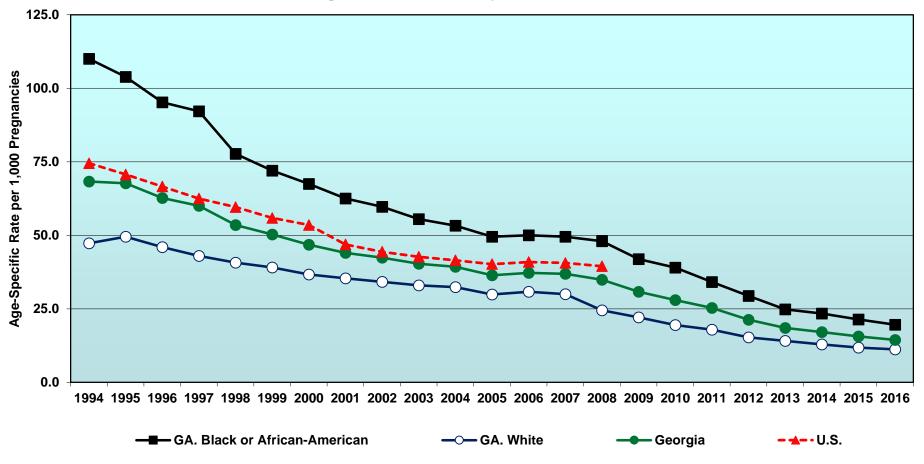


<sup>1</sup> Formula = [Total Number of Live Births under 2,500 grams / Total Number of Live Births] \* 100.

Healthy People 2000 Objective = 5.0% Healthy People 2010 Objective = 5.0% Healthy People 2020 Objective = 7.8%



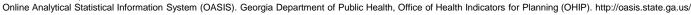
## Age-Specific Pregnancy<sup>1</sup> Rate<sup>2</sup>, Females 15-17 Years of Age, Georgia and U.S., by Race, 1994-2016



Healthy People 2000 Objective = 50.0 per 1,000 Healthy People 2010 Objective = 43.0 per 1,000 Healthy People 2020 Objective = 36.2 per 1,000

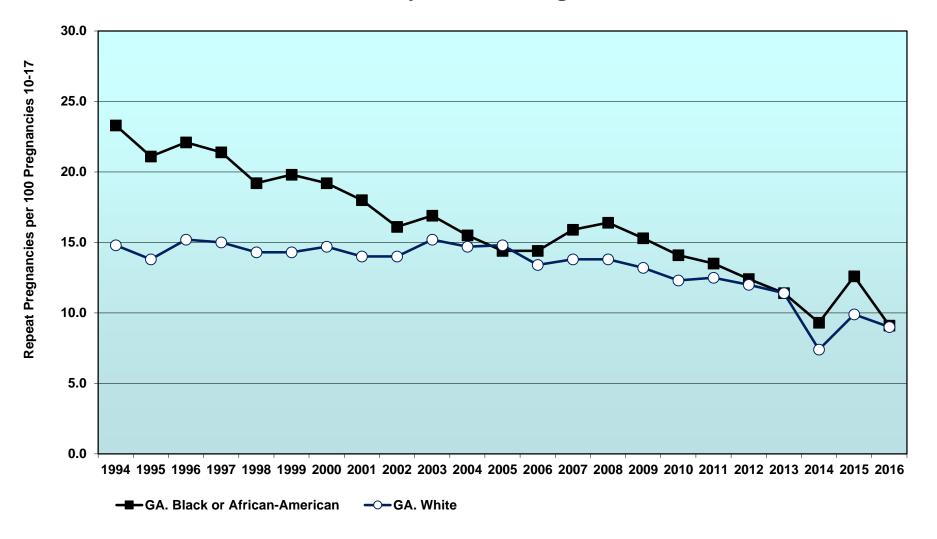
<sup>1</sup>Pregnancies include conceptions that result in one or more Live Births, all Fetal Deaths and Induced Terminations. <sup>2</sup>The total number of pregnancies occurring to females in specified age group per 1,000 females in the specified age group. Formula = [Total number of pregnancies in age group / Total females in age group] \* 1,000.

Sources: Stephanie J. Ventura, M.A., Sally C. Curtin, M.A., Joyce C. Abma, Ph.D., Division of Vital Statistics; and Stanley K. Henshaw, Ph.D., The Guttmacher Institute. Estimated Pregnancy Rates and Rates of Pregnancy Outcomes for the United States, 1990–2008. National Vital Statistics Reports; vol 60 no 7. Hyattsville, MD: National Center for Health Statistics. June 20, 2012.



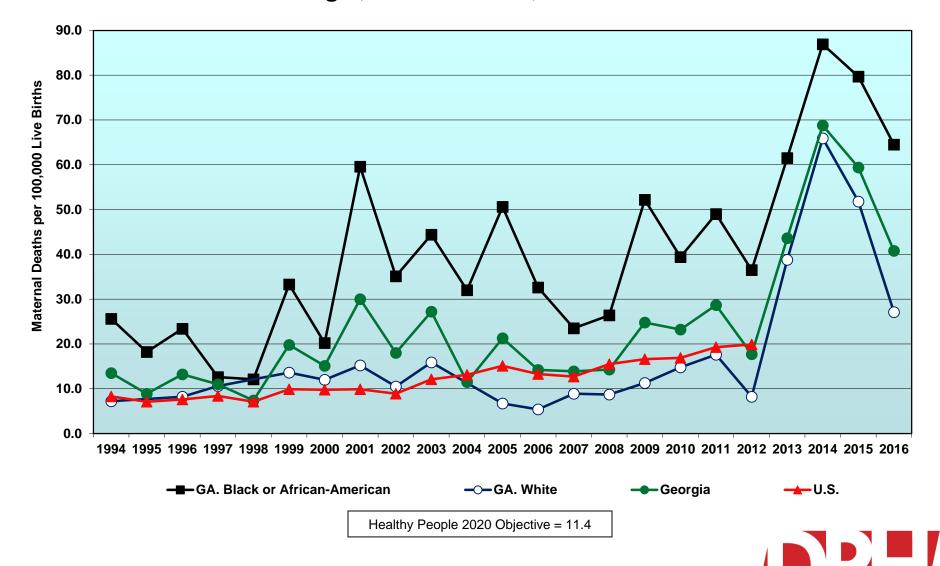


#### Percent Repeat Pregnancies, 10-17 Years of Age, Total and by Race, Georgia, 1994-2016





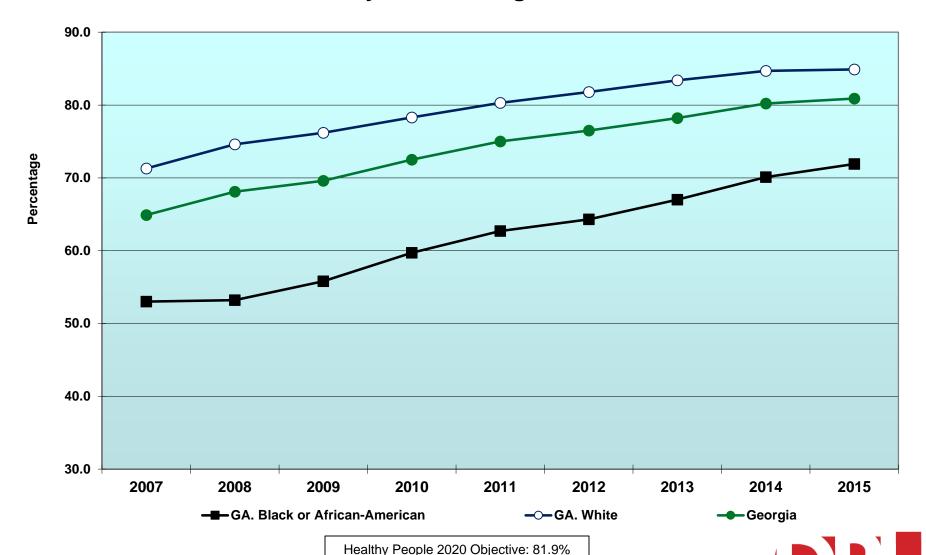
#### Maternal Mortality Ratio, Total and by Race, Georgia, and U.S. Total, 1994-2016



Georgia Department of Public Health

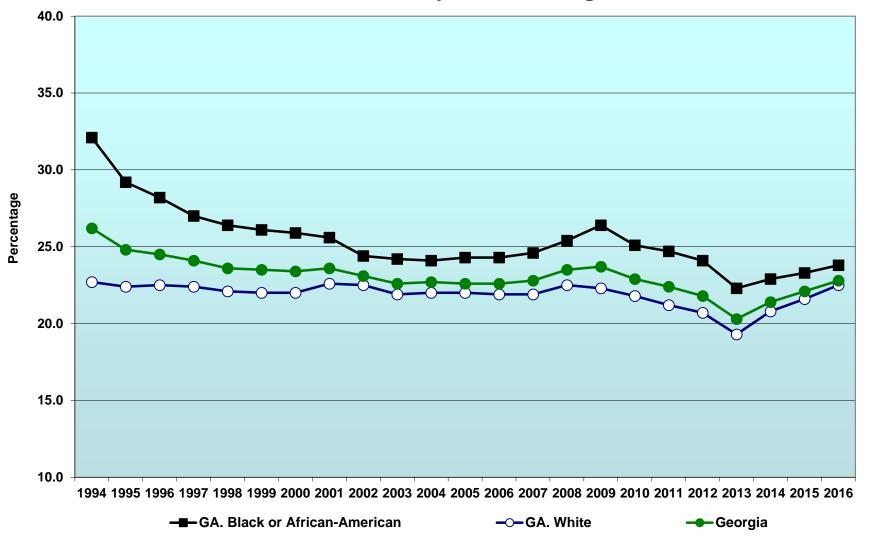
<sup>\*</sup> Defined by ICD10 ICD-10 codes A34, O00-O95, and O98-O99 (ICD9 630-676).

#### Percent of Infants Being Breastfed at the Time of Discharge, Total and by Race, Georgia, 2007-2015



Georgia Department of Public Health

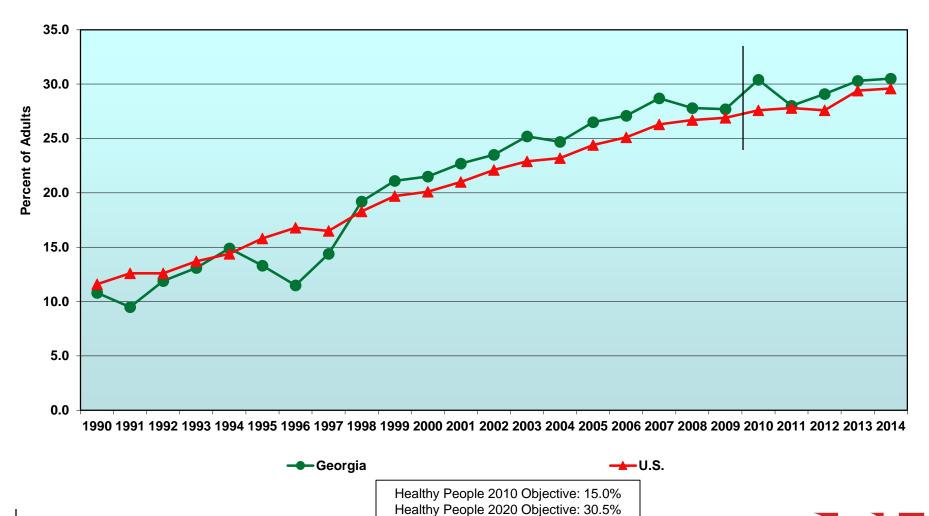
## Of Repeat Births, Percent with Less Than Two-Year Birth Interval, Total and by Race, Georgia, 1994-2016





## **Obesity and Related Conditions**

## Percentage of Adults 18 Years of Age and Older, who are Obese (BMI ≥ 30), Georgia and U.S., 1990-2014



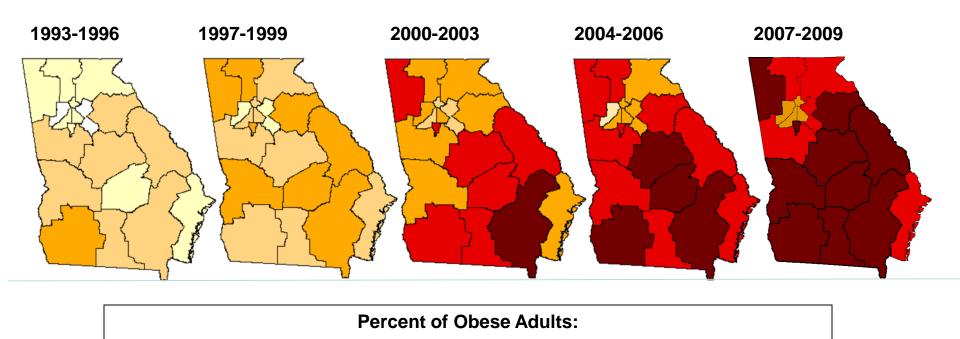
Data after 2010 are not comparable with prior years

DPH

Georgia Department of Public Health

Obesity is self-reported. Body Mass Index (BMI) is measured as weight in kilograms/height in meters

## **Geographic Trends in Obesity**



20-24%

15%-19%



30%+

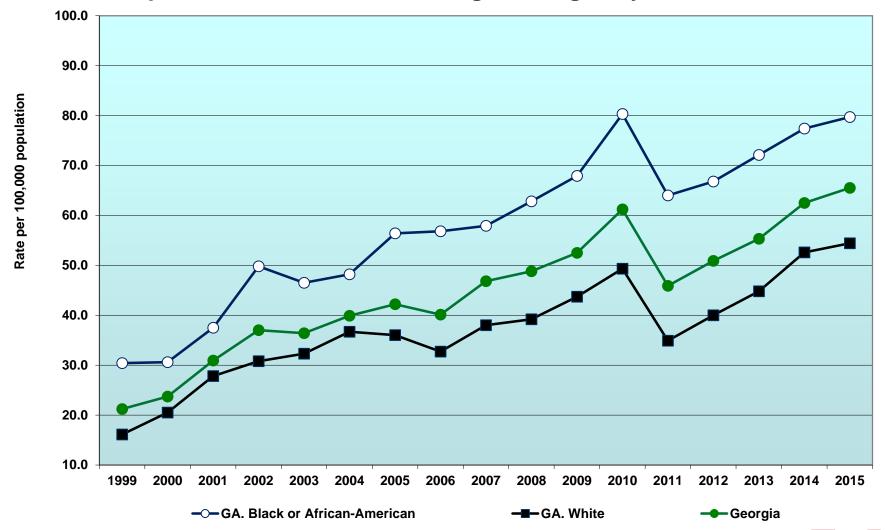
25-29%

Source: Georgia BRFSS

< 10%

10-14%

## Age-specific Rate of Obesity/Overweight-related Hospitalizations, 2-19 Years of Age, Georgia, by Race, 1999-2015



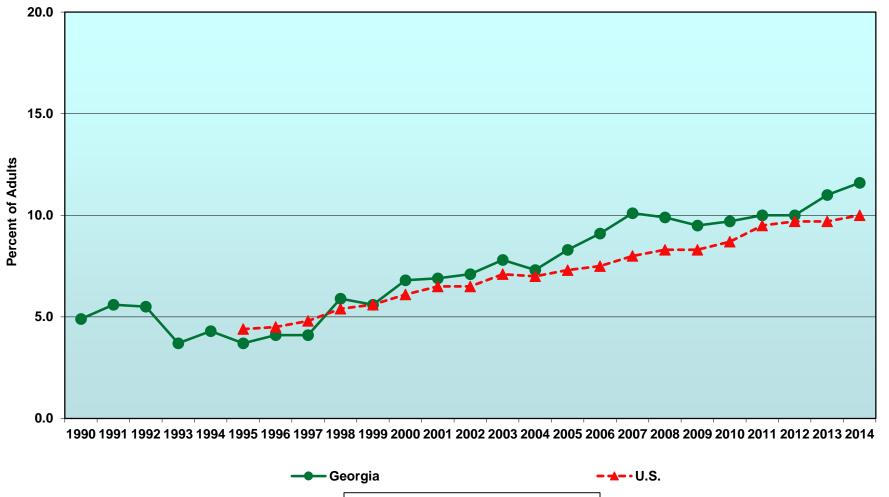
**Definition**: Obesity/Overweight-related hospitalization is defined as the hospital discharge where any one of the codes listed below was present in either the primary or other contributing cause.

 $\begin{array}{l} \text{ICD-9 Codes: } 278.0, \ 278.0[0-2], \ 278.1, \ 278.8, \ V85.2[1-5], \ V85.3[0-9], \ V85.4[1-5], \ V85.5[3-4] \ (\text{before } 10/1/15). \\ \text{ICD-10 Codes: } E66.[0-3,9], \ E65, \ E67.8, \ Z68.2[5-9], \ Z68.3[0-9], \ Z68.4[1-5], \ Z68.5[3-4] \ (10/1/15 \ \text{and after}). \end{array}$ 

Source: Georgia Department of Public Health, Office of Health Indicators for Planning (OHIP).



## Percentage of Adults 18 Years of Age and Older who have Diabetes, Georgia and U.S., 1990-2014

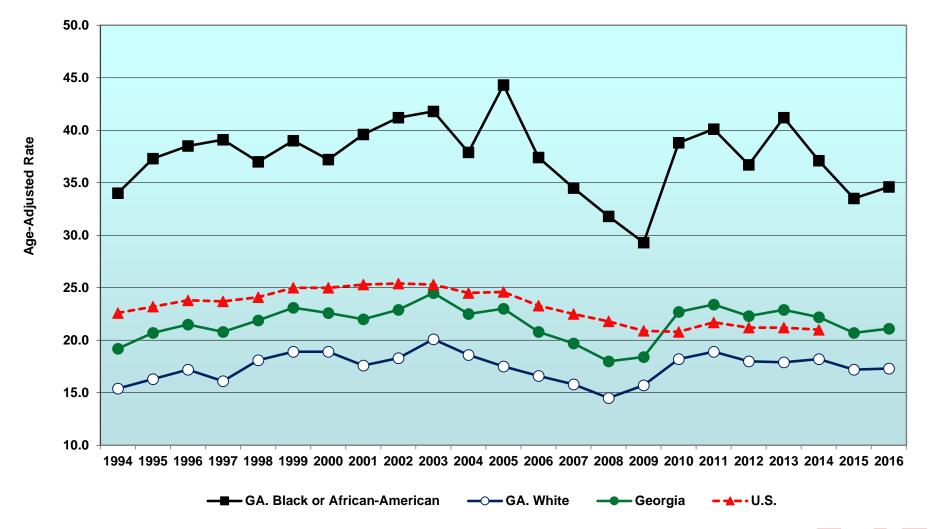


Healthy People 2000 Objective: 2.5% Healthy People 2010 Objective: 2.5%



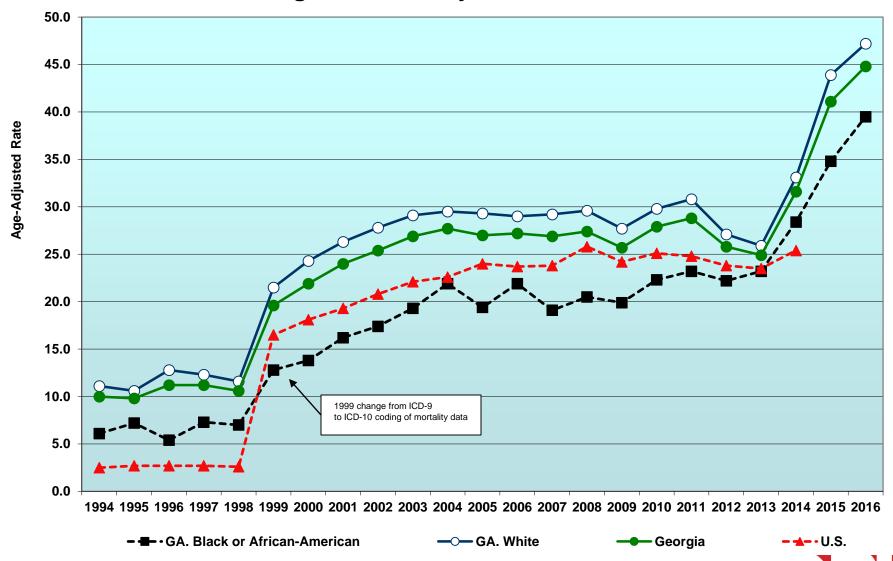
Source: Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2011-2013 (accessed January 28, 2015). http://apps.nccd.cdc.gov/brfss/

#### Age-Adjusted Diabetes Mortality Rates, Georgia and U.S., by Race, 1994-2016





# Age-Adjusted Alzheimer's Mortality Rates, Georgia and U.S., by Race, 1994-2016

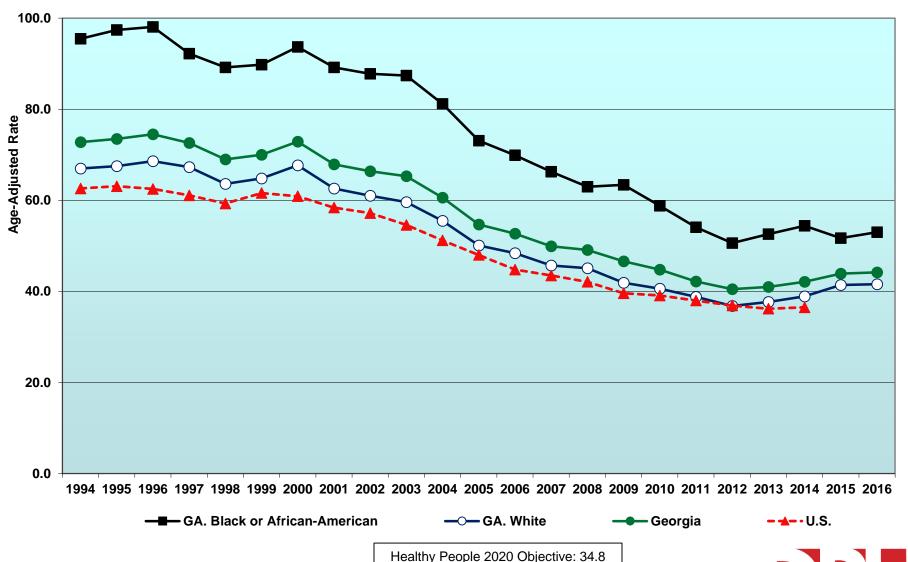


<sup>&</sup>lt;sup>1</sup>Age-Adjusted to the 2000 Standard Million.

Georgia Department of Public Health

#### **Cardiovascular Disease**

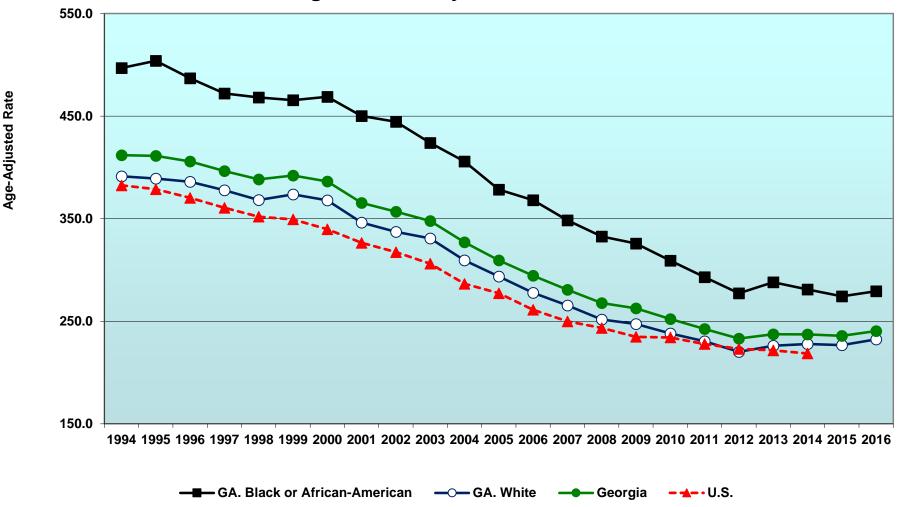
## Age-Adjusted Stroke Mortality Rates, Georgia and U.S., by Race, 1994-2016



<sup>1</sup>Age-Adjusted to the 2000 Standard Million.

Georgia Department of Public Health

#### Age-Adjusted Cardiovascular Mortality Rates, Georgia and U.S, by Race, 1994-2016

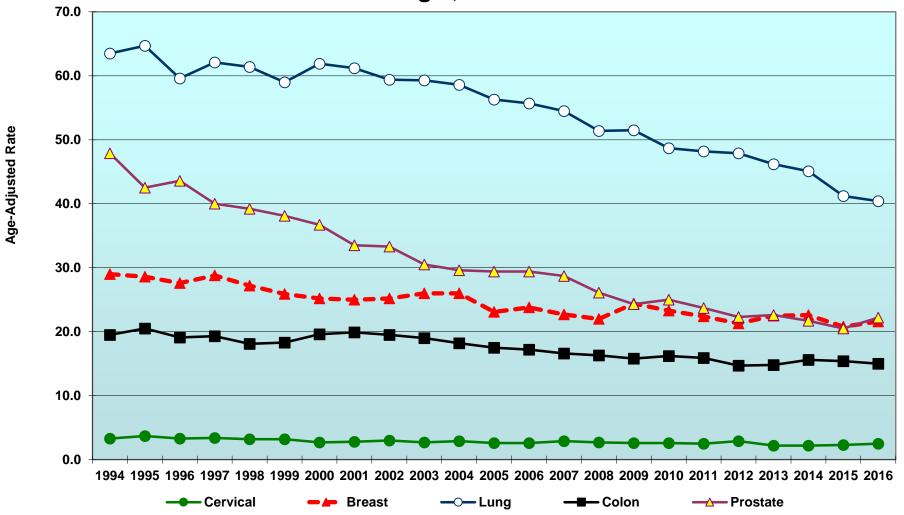


<sup>&</sup>lt;sup>1</sup>Age-Adjusted to the 2000 Standard Million. Cardiovascular = ICD10 I00-I78 (ICD9 390-434, 436-448)



#### **Cancers**

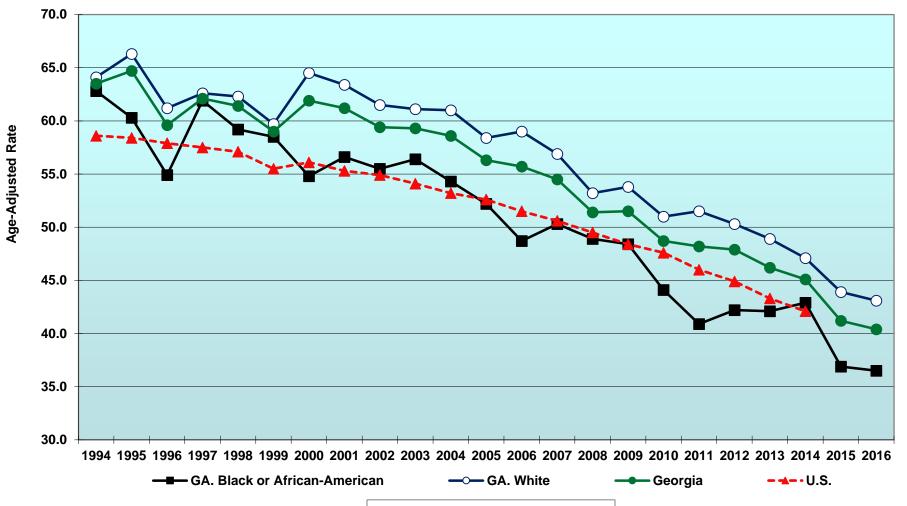
#### Age-Adjusted Cancer Mortality Rates, Georgia, 1994-2016





<sup>&</sup>lt;sup>1</sup>Age-Adjusted to the 2000 Standard Million. Sex-specific causes have sex-specific denominators.

## Age-Adjusted Lung Cancer Mortality Rates, Georgia and U.S., by Race, 1994-2016

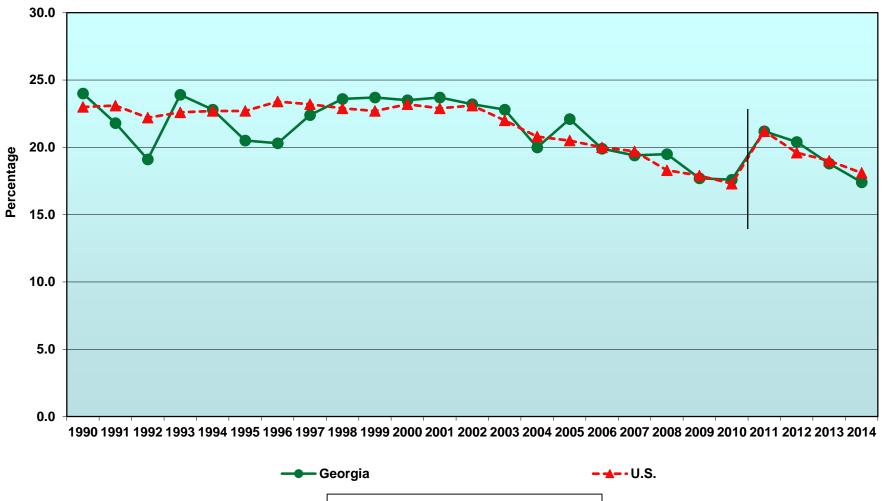


Healthy People 2000 Objective: 42.0 Healthy People 2010 Objective: 44.9 Healthy People 2020 Objective: 45.5



<sup>&</sup>lt;sup>1</sup>Age-Adjusted to the 2000 Standard Million.

## Percentage of Adults, 18 Years of Age and Older Who Smoke, Georgia and U.S., 1990-2014

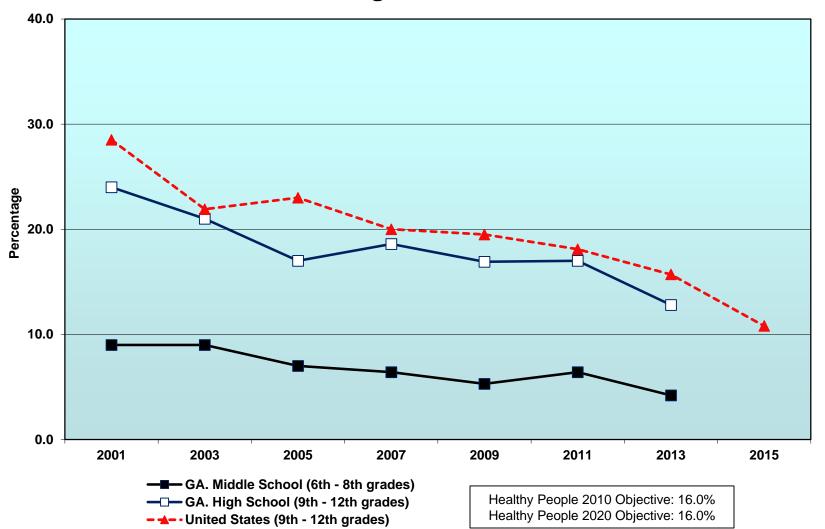


Data after 2010 are not comparable with prior years

Healthy People 2000 Objective: 12.0% Healthy People 2010 Objective: 15.0% Healthy People 2020 Objective: 12.0%

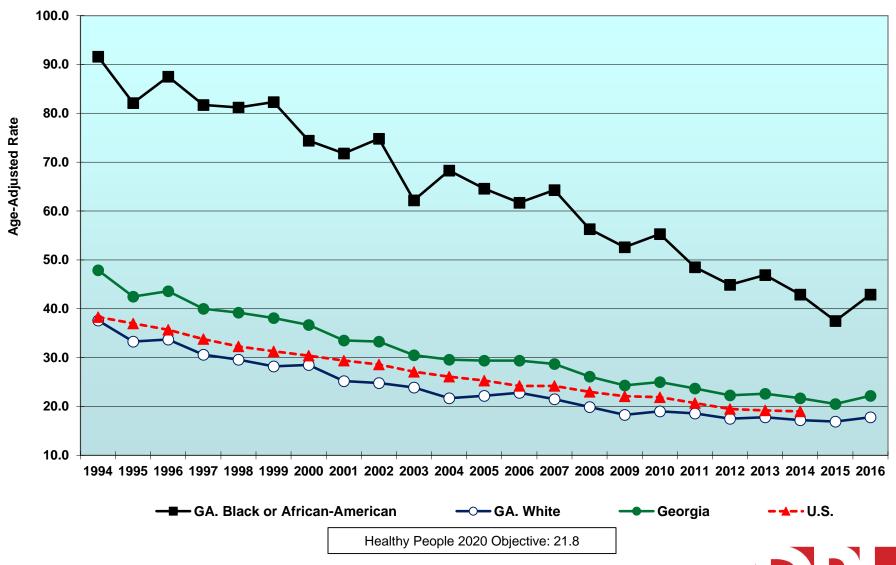


## Percentage of Middle and High School Students Who Smoke, Georgia and U.S., 2001-2015





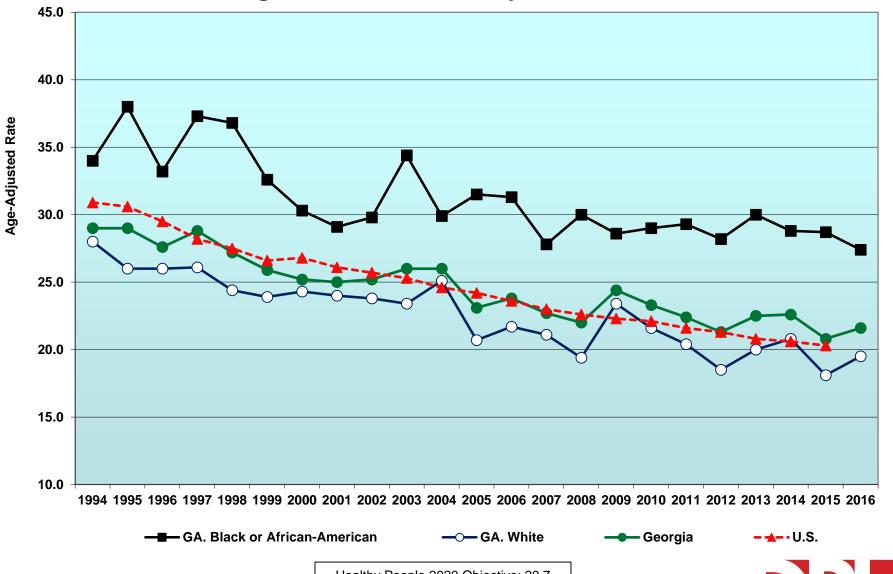
#### Age-Adjusted<sup>1</sup> Prostate Cancer Mortality Rates, Georgia and U.S., Males by Race, 1994-2016



<sup>&</sup>lt;sup>1</sup>Age-Adjusted to the 2000 Standard Million. Men only in denominator.



## Age-Adjusted Breast Cancer Mortality Rates, Georgia and U.S. Women by Race, 1994-2016

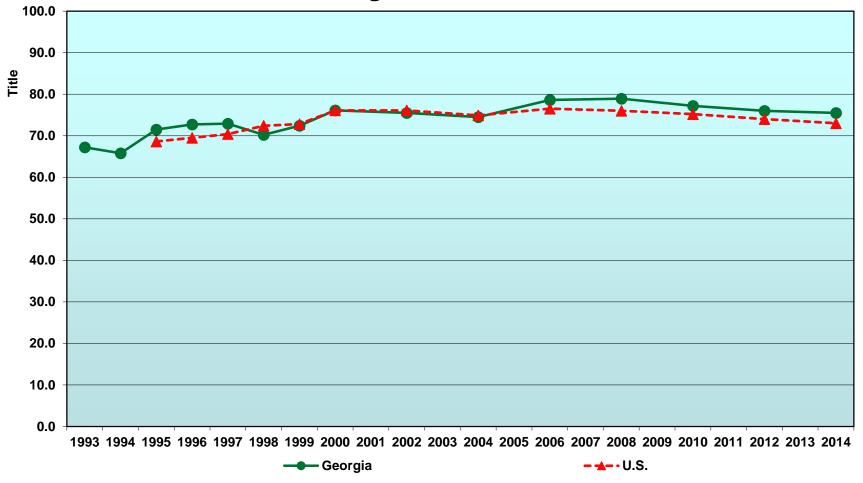


Healthy People 2020 Objective: 20.7



<sup>&</sup>lt;sup>1</sup>Age-Adjusted to the 2000 Standard Million. Women only in denominator.

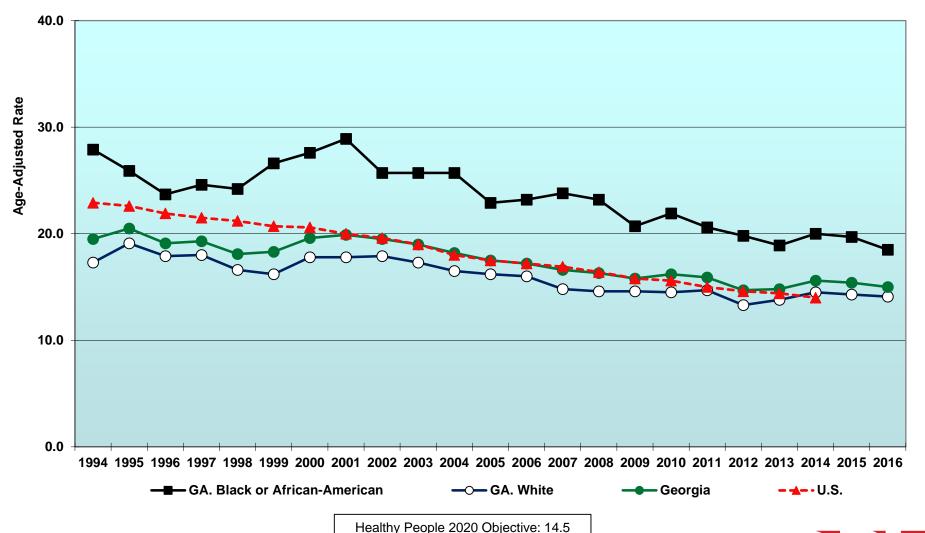
#### Percentage of Women 40 Years of Age and Older, Who Have Received a Mammogram Within the Last Two Years, Georgia and U.S., 1993-2014



Healthy People 2010 Objective: 70%



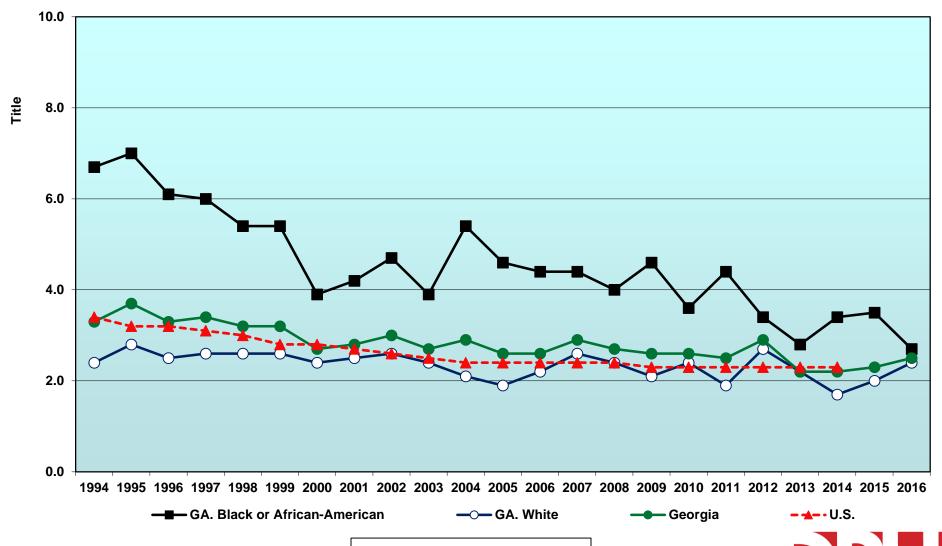
#### Age-Adjusted<sup>1</sup> Colon Cancer Mortality Rates, Georgia and U.S., by Race, 1994-2016



<sup>1</sup>Age-Adjusted to the 2000 Standard Million.



## Age-Adjusted Cervical Cancer Mortality Rates, Georgia and U.S. Women, by Race, 1994-2016

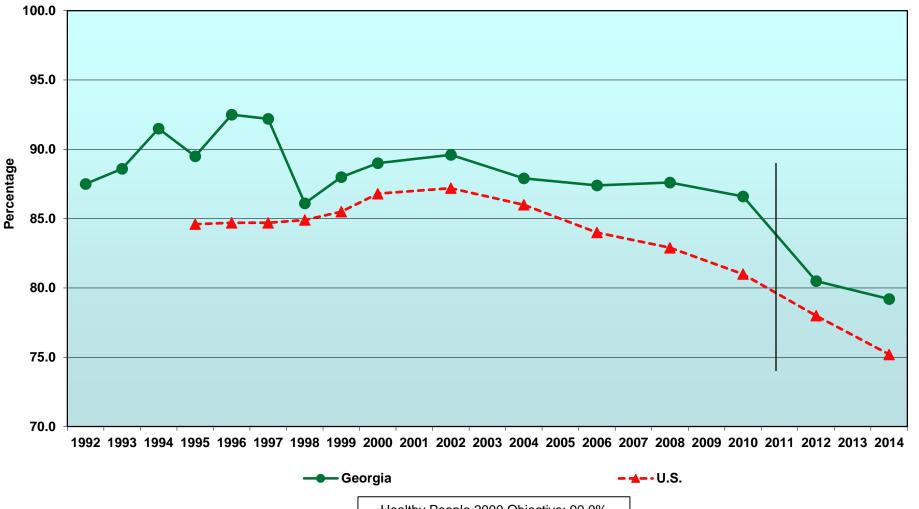


Healthy People 2020 Objective: 2.2

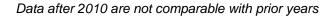


<sup>&</sup>lt;sup>1</sup>Age-Adjusted to the 2000 Standard Million. Women only in denominator.

#### Percentage of Women 18 Years of Age and Older, who had a Pap Smear within the Last Three Years, Georgia and U.S., 1992-2014



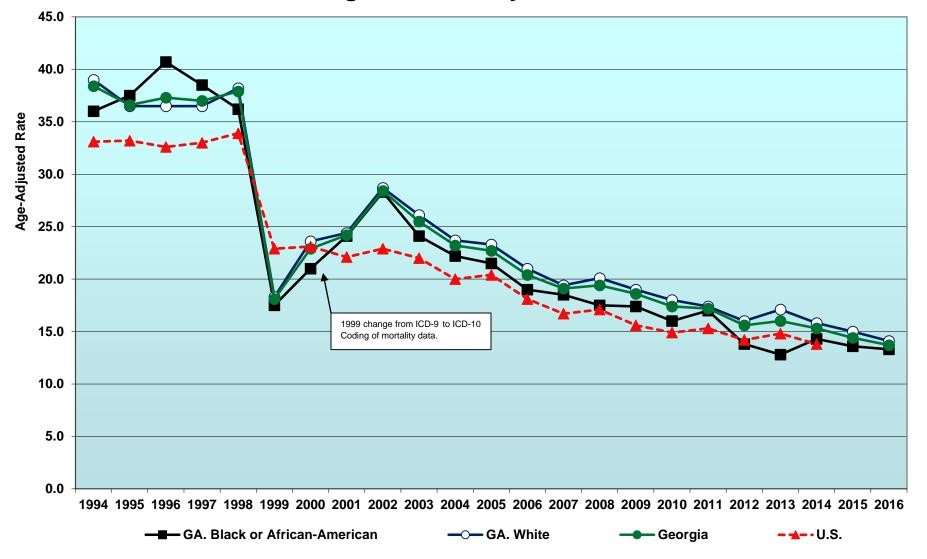
Healthy People 2000 Objective: 90.0% Healthy People 2010 Objective: 85.0% Healthy People 2020 Objective: 93.0%





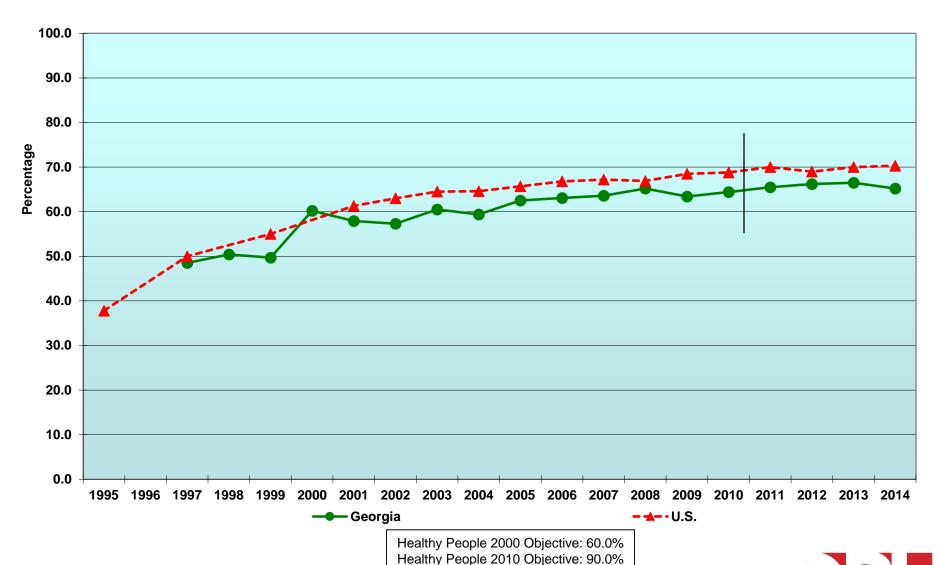
## **Infectious Disease**

## Age-Adjusted<sup>1</sup> Pneumonia Mortality Rates, Georgia and U.S., by Race, 1994-2016





## Percentage of Adults 65 Years of Age and Older, Ever Vaccinated for Pneumococcal Disease, Georgia, 1995-2014

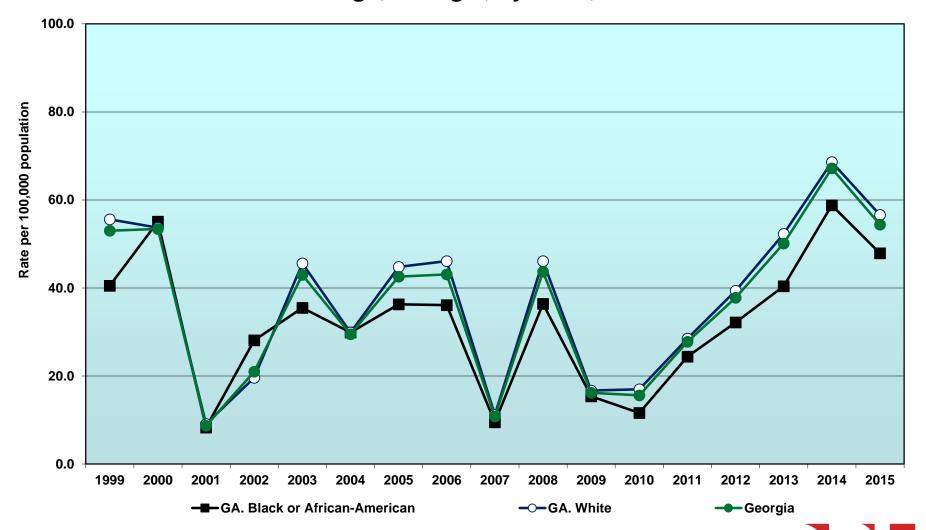


Healthy People 2020 Objective: 90.0%

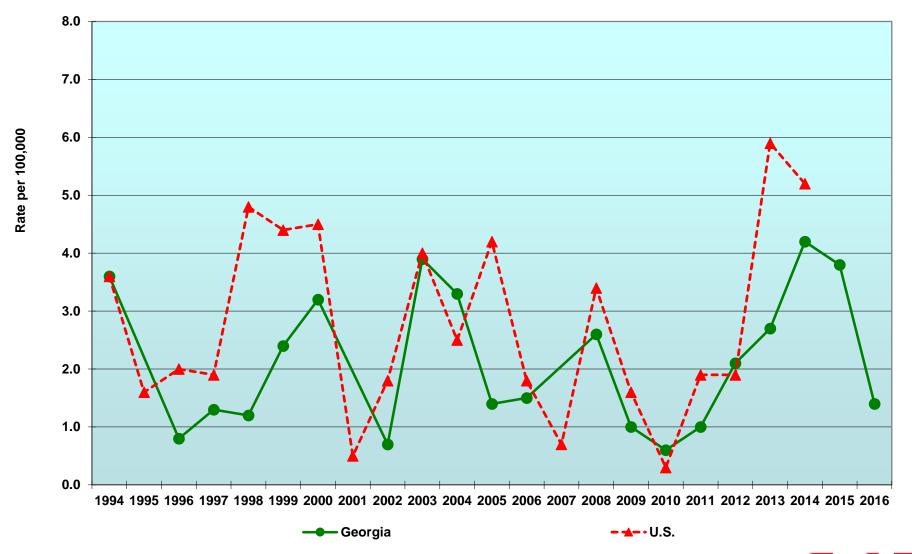
Data after 2010 are not comparable with prior years



#### Age-Specific Influenza Hospital Discharge Rate, Adults 65+ Years of Age, Georgia, by Race, 1999-2015

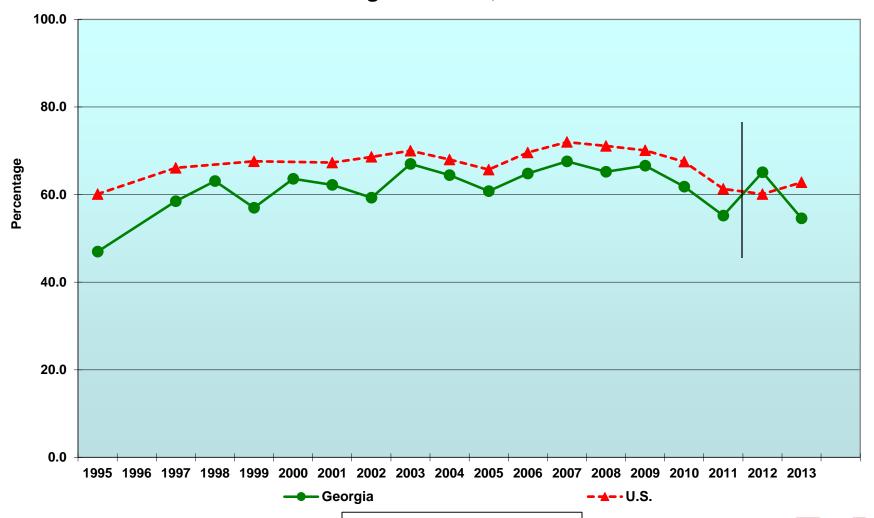


## Age-Specific Influenza Mortality Rate, Adults 65+ Years of Age, U.S. and Georgia, 1994-2016





## Percentage of Adults 65+ Years of Age, Who Have Received a Flu Vaccination within the Past 12 Months, Georgia and U.S., 1995-2013



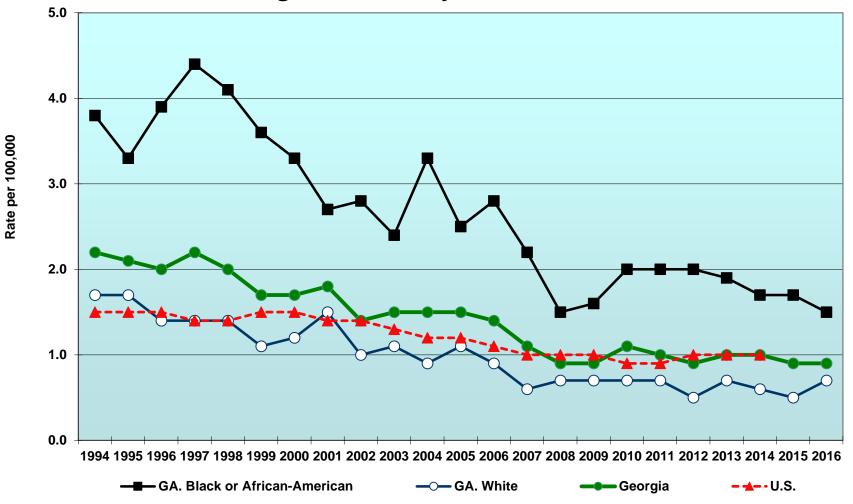
Data after 2010 are not comparable with prior years

Healthy People 2000 Objective: 60% Healthy People 2010 Objective: 90% Healthy People 2020 Objective: 90%

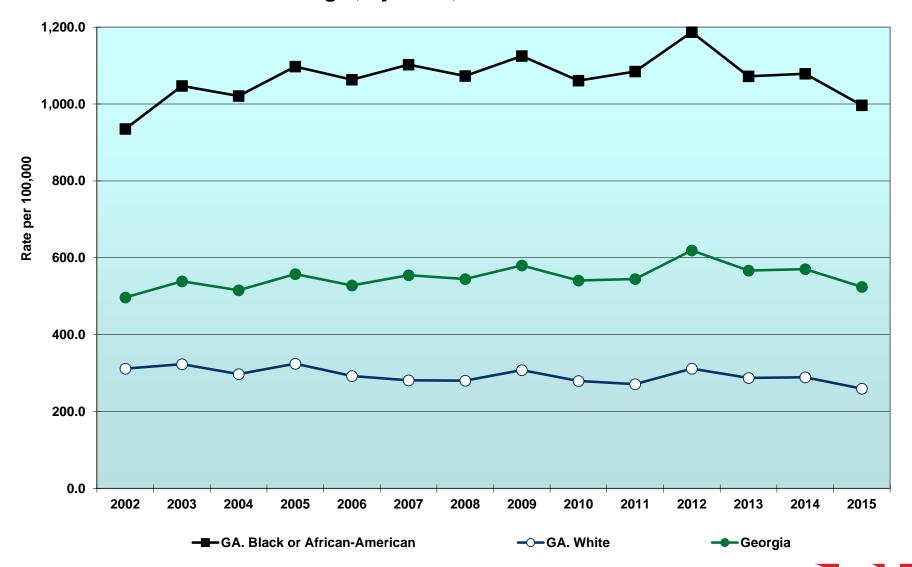


## **Asthma**

## Age-Adjusted Asthma Mortality Rates, Georgia and U.S., by Race, 1994-2016



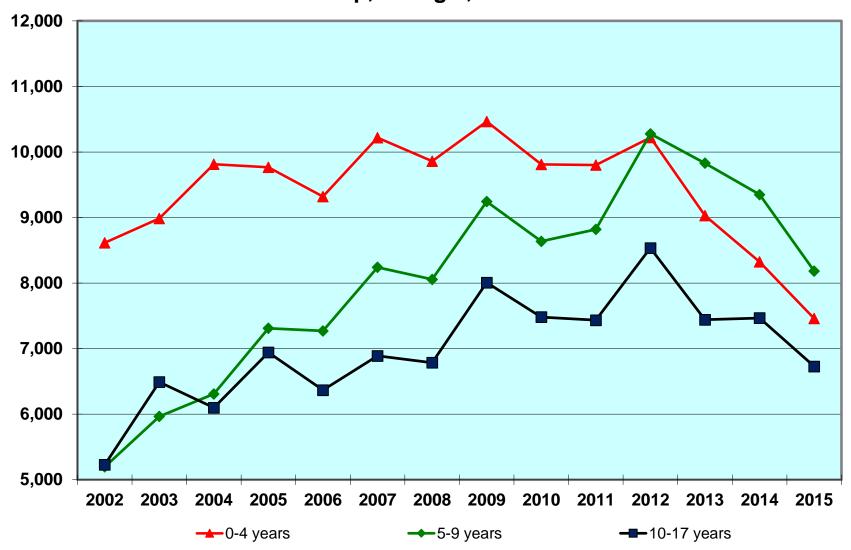
## Age-Adjusted Asthma Emergency Room Visit Rates, Georgia, by Race, 2002-2015



<sup>\*</sup> Please note: the last quarter of 2015 reflect a switch from icd9 to icd10 codes. Trends may be affected.



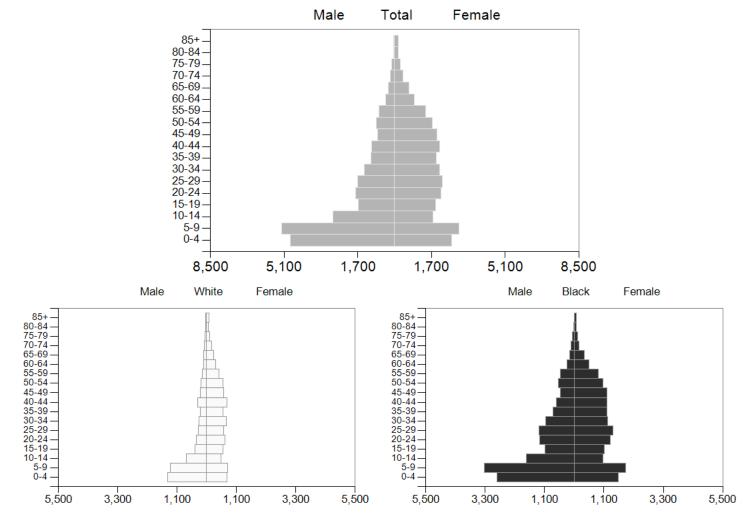
## Number of Asthma Emergency Room Visits, Georgia, by Age Group, Georgia, 2002-2015





## Number of Emergency Room Visits, Asthma, Total, White and Black or African-American

Georgia, 2015





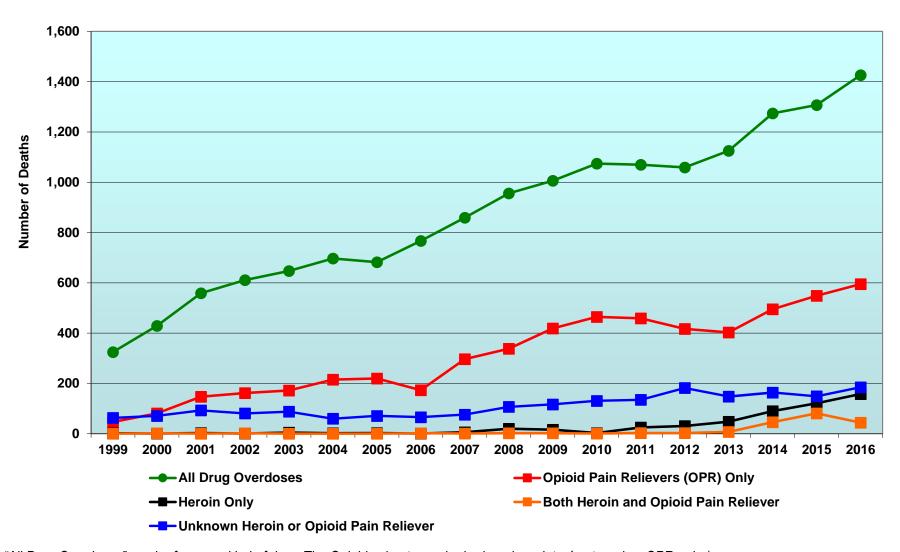


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## 'External' Causes

Drug Abuse / Suicide / Homicide

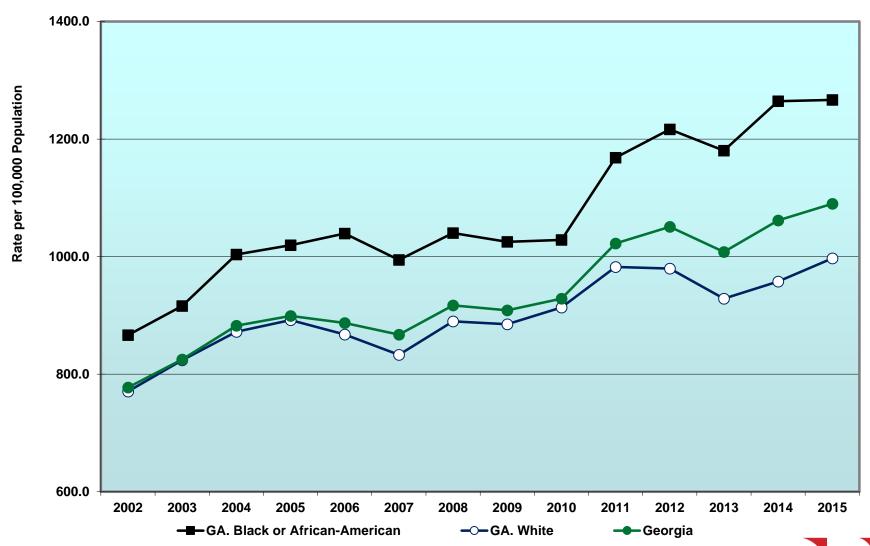
#### Deaths From Drug Overdoses, Georgia, 1999-2016



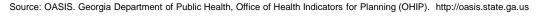
"All Drug Overdoses" can be from any kind of drug. The Opioid subsets can be broken down into 4 categories: OPR only / Heroin only / Cases where both OPR and Heroin are mentioned / Cases where an opioid is mentioned, but it is not stated what kind.



## Age-Adjusted Emergency Room Visit Rate, Mental and Behavioral Conditions\*, Total and by Race, Georgia, 2002-2015

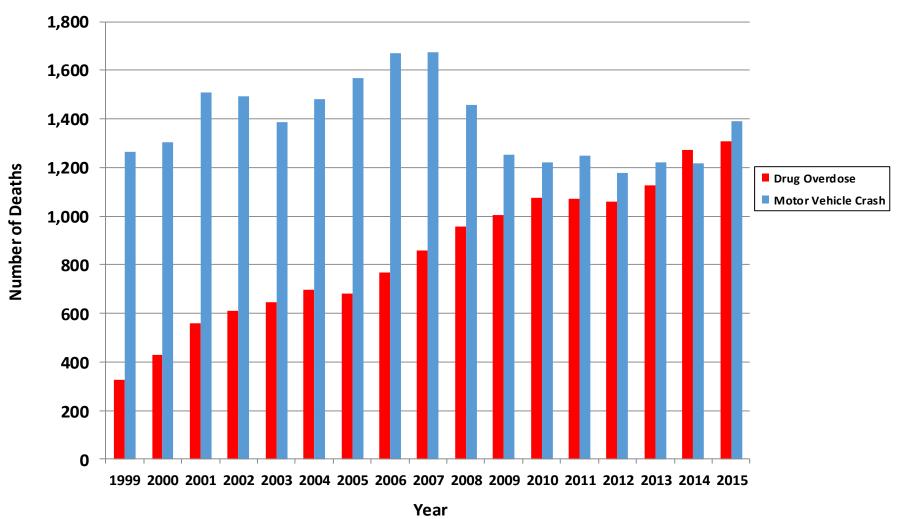


<sup>\*</sup>Includes drug withdrawal syndrome, alcohol withdrawal, drug-induced delirium, etc.





#### Deaths from Drug Overdoses and Motor Vehicle Crashes, Georgia Residents, 1999-2015

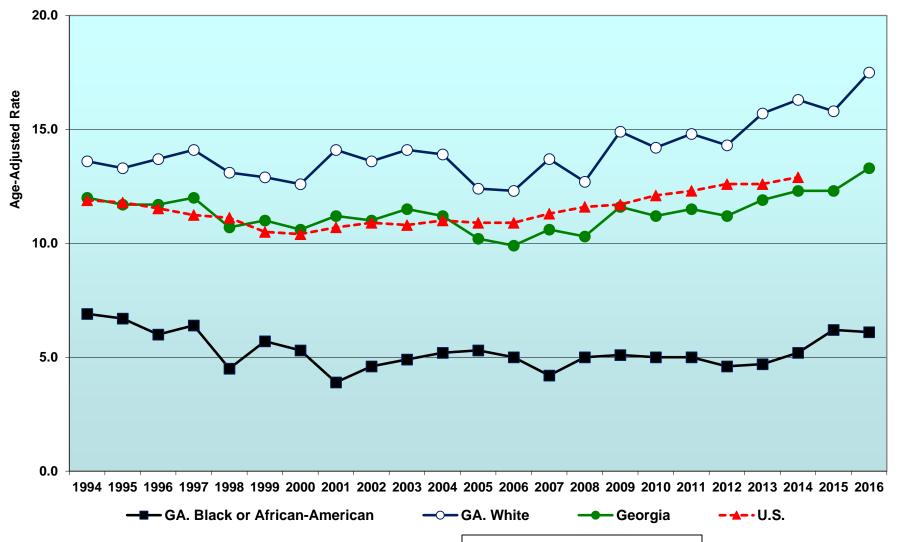


Drug Overdose uses underlying cause ICD-10 Codes X40-X44, X60-X64, Y10-Y14, X85, F11-F16, F18 and F19; Motor Vehicle Crashes uses V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2 (E810-E825).

Source: Georgia Department of Public Health, Office of Health Indicators for Planning (OHIP), OASIS https://oasis.state.ga.us



## Age-Adjusted Suicide Mortality Rates<sup>1</sup>, Georgia and U.S., by Race, 1994-2016

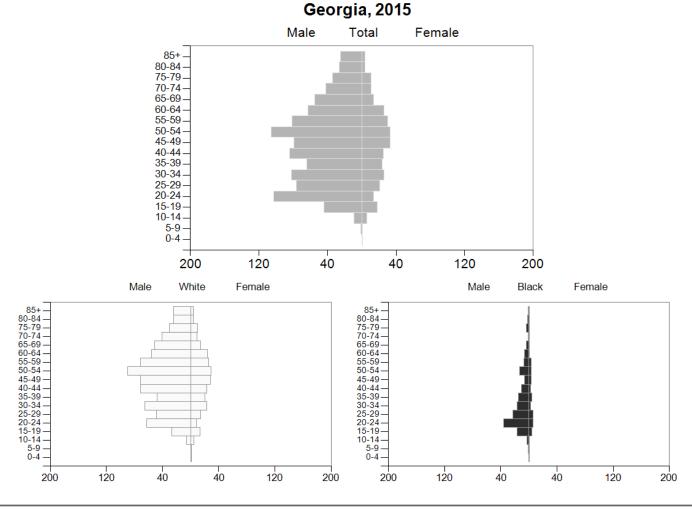


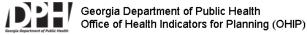
Healthy People 2010 Objective: 4.8 Healthy People 2020 Objective: 10.2



<sup>1</sup>Age-Adjusted to the 2000 Standard Million. Suicide = ICD10 X60-X84, Y87.0 (ICD9 E950-E959)

#### Number of Deaths, Suicide, Total, White and Black or African-American

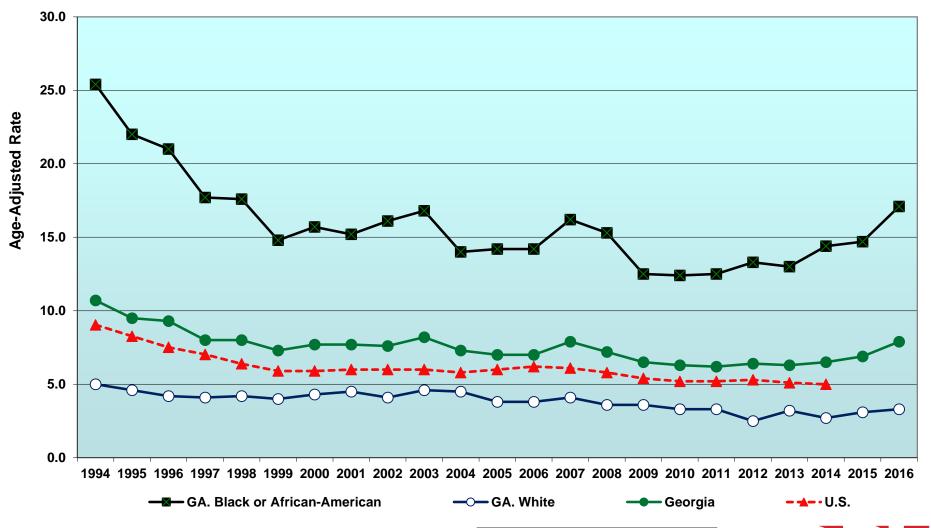






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#### Age-Adjusted Homicide Mortality Rates<sup>1</sup>, Georgia and U.S., by Race, 1994-2016



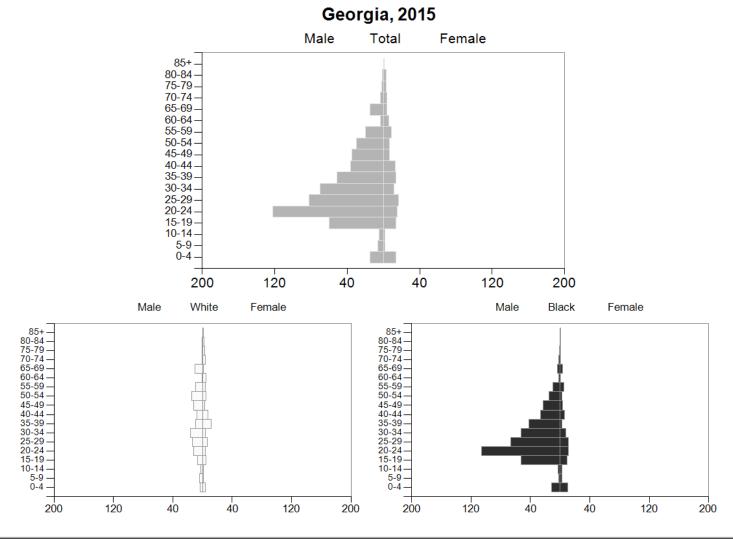
Healthy People 2010 Objective: 2.8

Healthy People 2020 Objective: 5.5



<sup>1</sup>Age-Adjusted to the 2000 Standard Million. Homicide = ICD10 X85-Y09, Y87.1 (ICD9 E960-E969)

#### Number of Deaths, Homicide, Total, White and Black or African-American





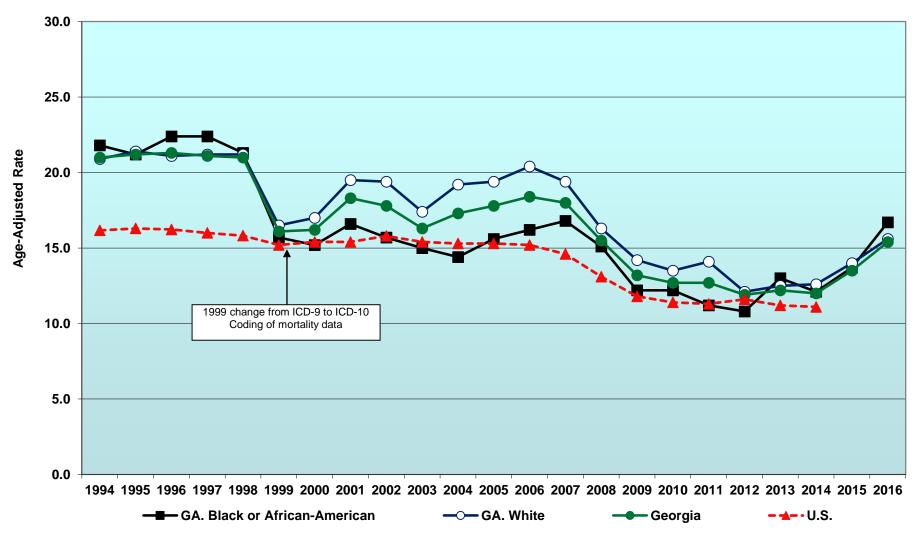


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## **External Causes**

Injury

## Age-Adjusted Motor Vehicle Crash Mortality Rates<sup>1</sup> Georgia and U.S., by Race, 1994-2016

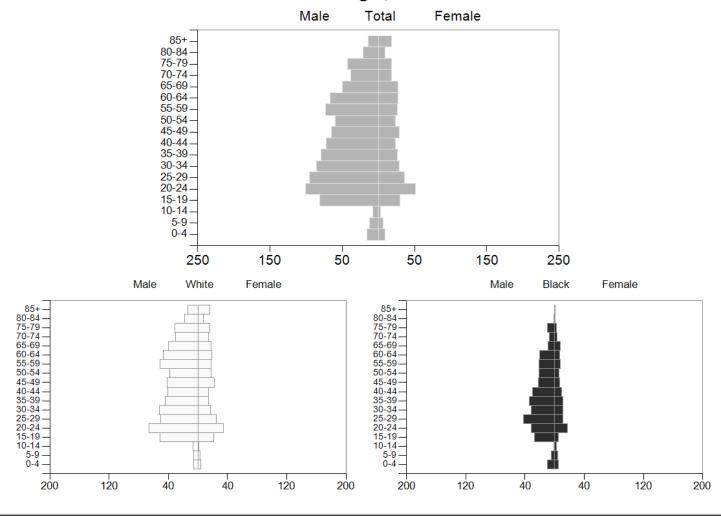


<sup>&</sup>lt;sup>1</sup>Age-Adjusted to the 2000 Standard Million.



### Number of Deaths, Motor Vehicle Crashes (MVC), Total, White and Black or African-American

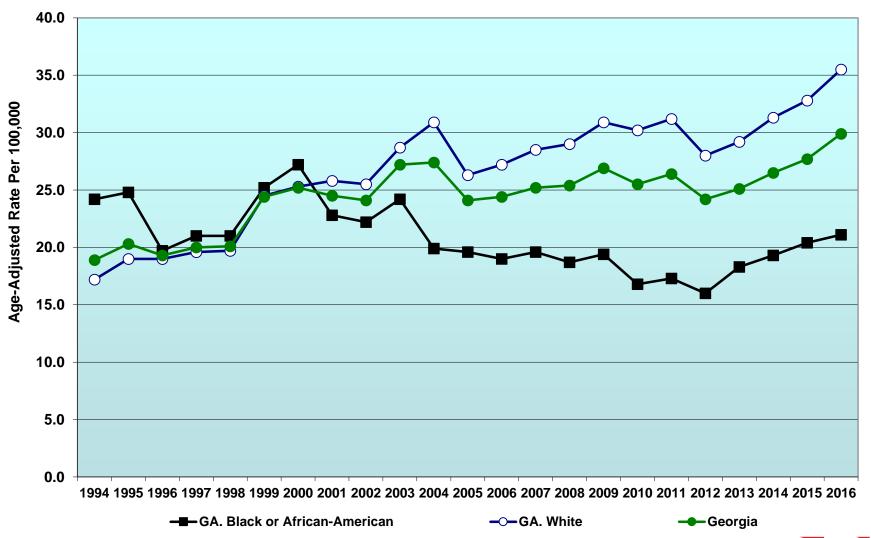
Georgia, 2015







## Age-Adjusted All Other\* Unintentional Injury Mortality Rates, Total and by Race, Georgia, 1994-2016

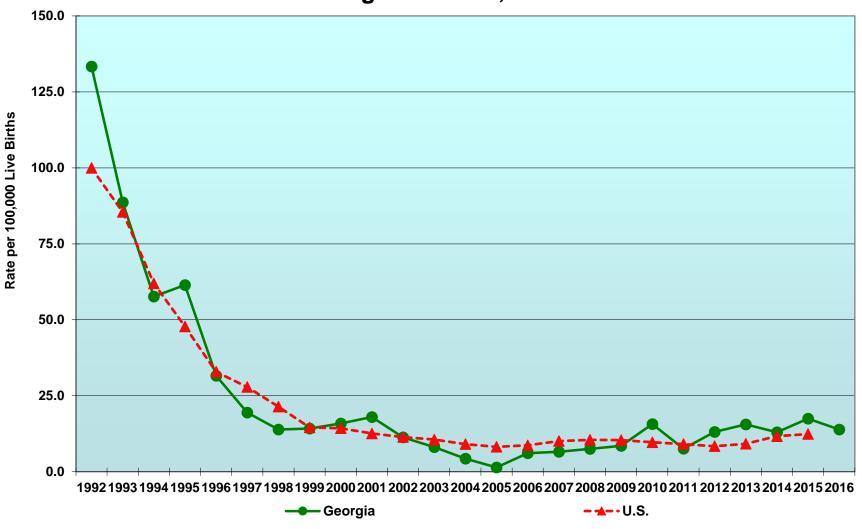


<sup>\*</sup> Falls, Accidental Shooting, Drowning, Fire and Smoke Exposure, Poisoning (incl. some drug overdoses), Suffocation, All Other Unintentional Injuries.



# Sexually Transmitted Infection and Related Disease

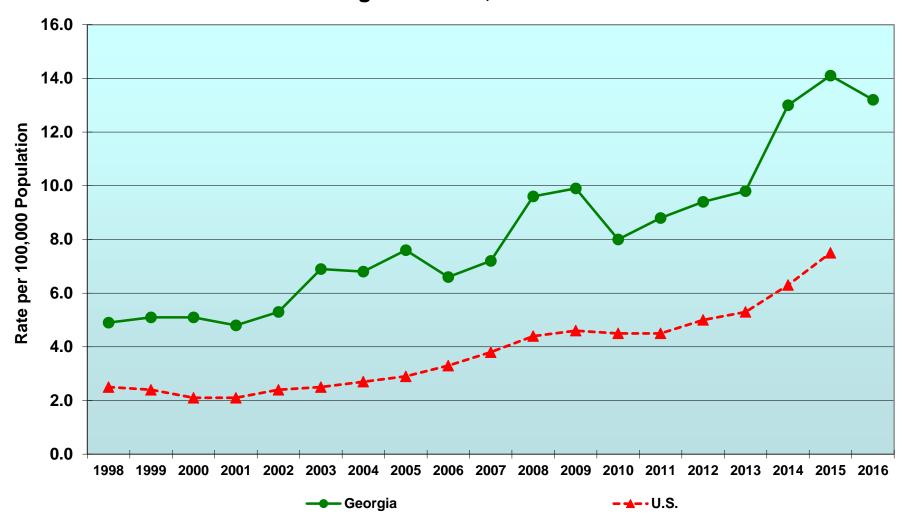
## Rate of Newly Diagnosed Cases of Congenital Syphilis, Georgia and U.S., 1992-2016

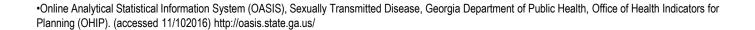


Healthy People 2010 Objective: 1.0 Healthy People 2020 Objective 9.6



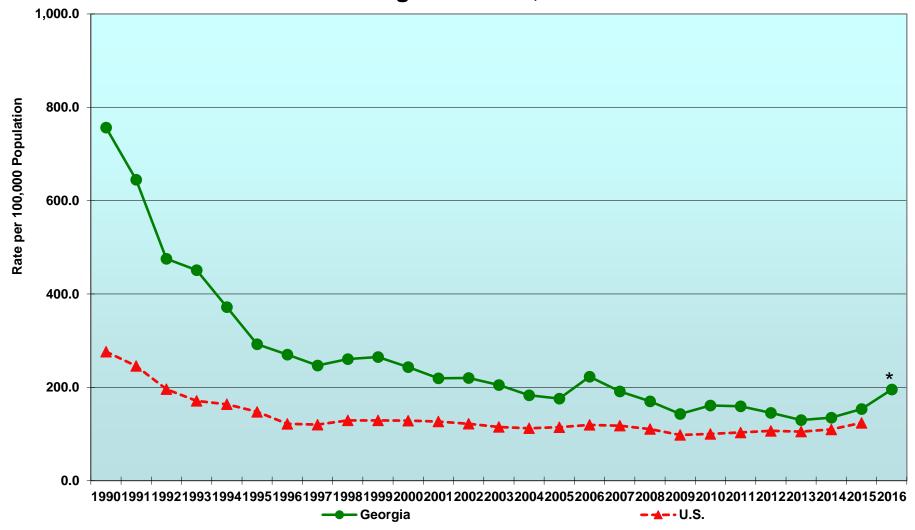
#### Rate of Primary and Secondary Syphilis Cases, Georgia and U.S., 1998-2016

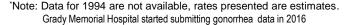






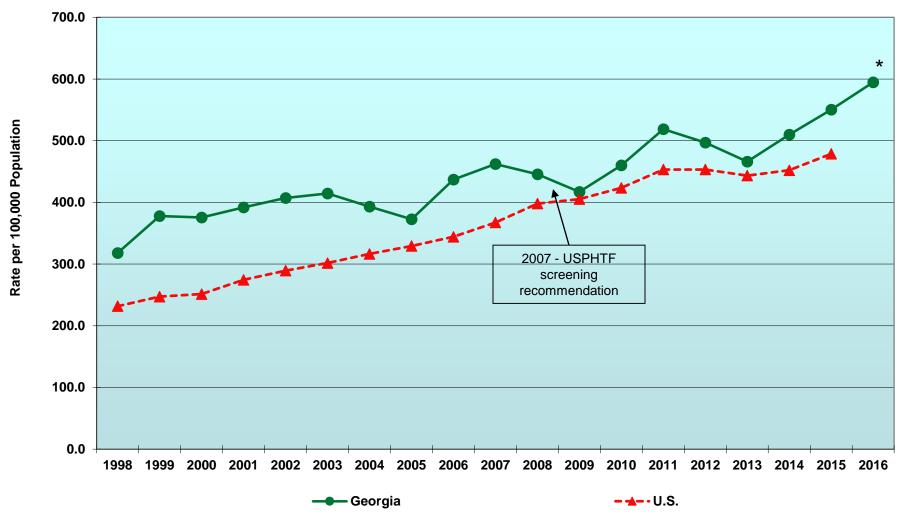
## Crude Rate of Newly Diagnosed Cases of Gonorrhea Georgia and U.S., 1990-2016







#### Rates of Chlamydia Cases in Georgia and U.S., 1998-2016

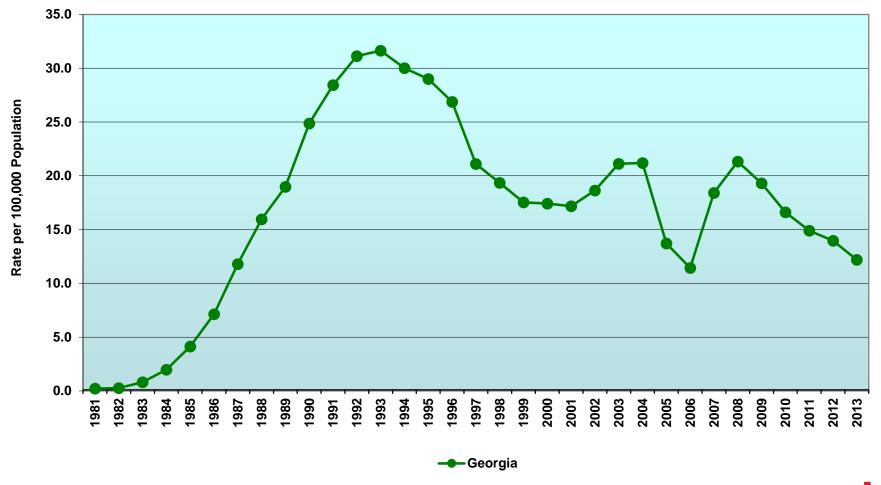


<sup>\*</sup> Grady Memorial Hospital started submitting gonorrhea and chlamydia data in 2016



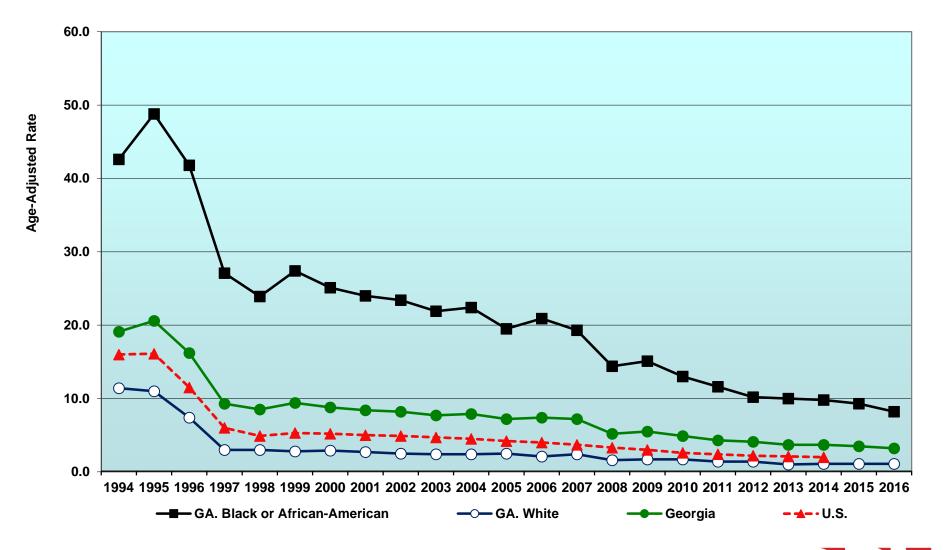
<sup>•</sup>Online Analytical Statistical Information System (OASIS), Sexually Transmitted Disease, Georgia Department of Public Health, Office of Health Indicators for Planning (OHIP). (accessed 11/102016) http://oasis.state.ga.us/

#### Rate of Newly Diagnosed AIDS Cases, Georgia, 1981-2013





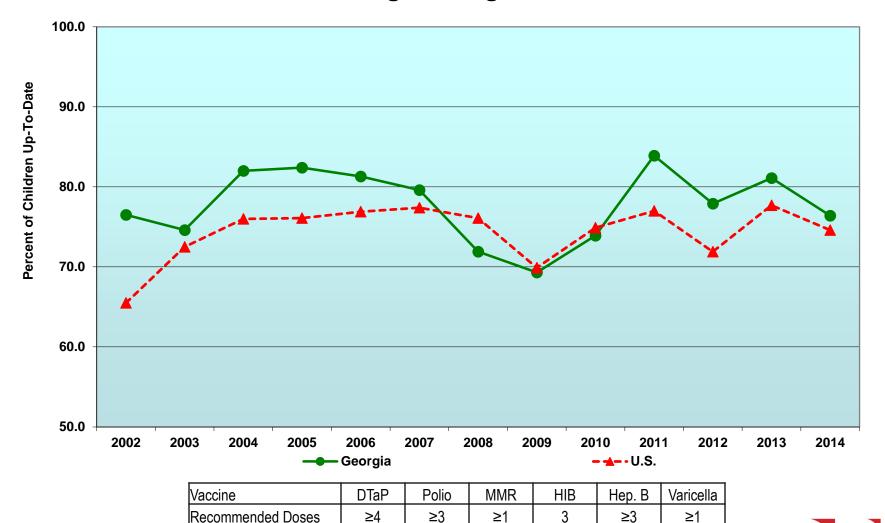
## Age-Adjusted<sup>1</sup> Mortality Rate HIV/AIDS, Georgia and U.S., by Race, 1994-2016





## **Immunization**

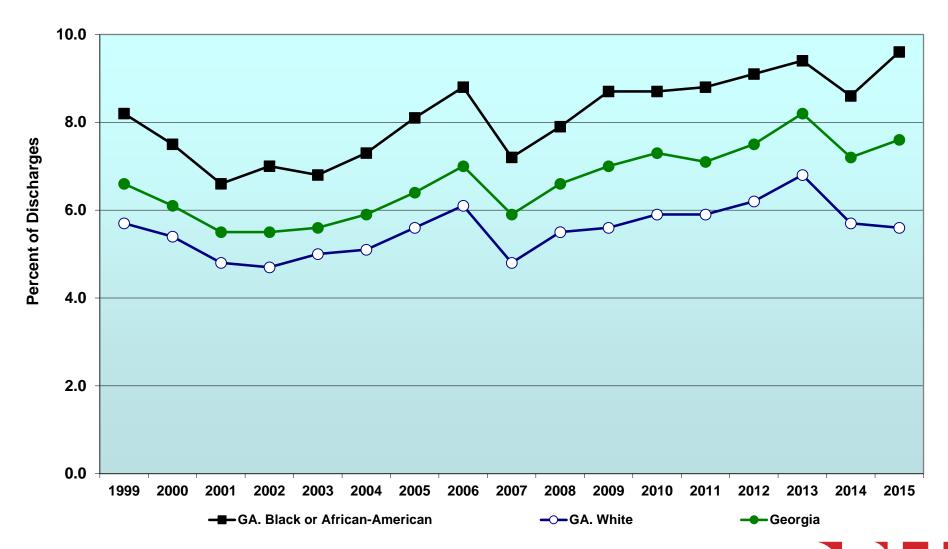
## Immunization Coverage 4:3:1:3:3:1 Series, Among Children 19-35 Months of Age, Georgia and U.S., 2002-2014





## **Health Services Access**

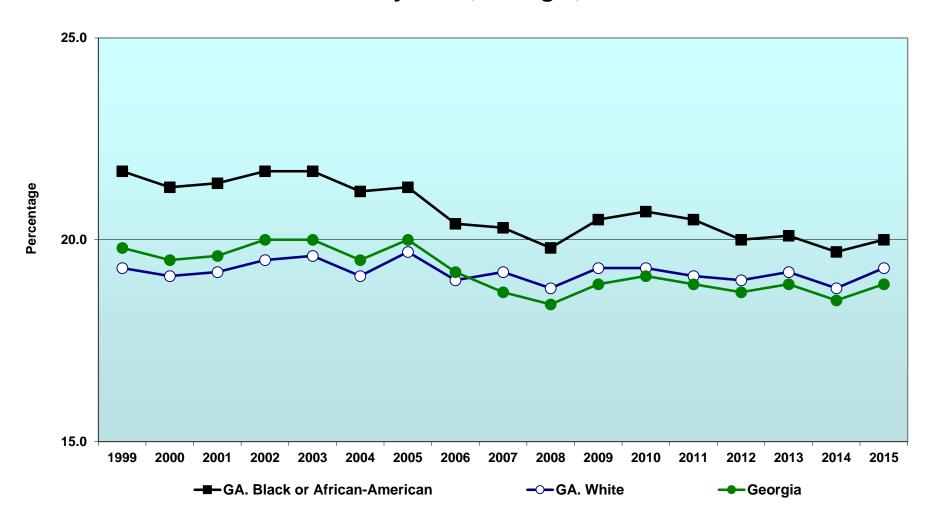
#### Percent of Hospital Discharges that were Self-Pay, Total and by Race, Georgia, 1999-2015







## Percent of Hospitalizations that were Avoidable\*, Total and by Race, Georgia, 1999-2015



<sup>\*</sup>Ambulatory Care Sensitive Conditions (ACSC): Conditions that respond to timely and effective care in the outpatient (ambulatory) setting. ACSC's are used as Prevention Quality Indicators, and can assist in evaluating quality or use of primary health care.



#### Prepared by the Office of Health Indicators for Planning (OHIP), Georgia Department of Public Health.

Many health indicators used in this report reside in the Department's Health Information Repository, and can be accessed online via the Online Analytical Statistical Information System (OASIS): <a href="http://oasis.state.ga.us">http://oasis.state.ga.us</a>

Please direct questions to (404) 657-2867 or ohip@dph.ga.gov

Healthy People 2010 information can be found online at <a href="http://www.healthypeople.gov">http://www.healthypeople.gov</a>

Updated 1.30.13 with Intercensal Population Estimates.
Updated with race imputation in Birth data 1.11.17
v16.8

