

# GEORGIA PUBLIC HEALTH RESPONDS AND RECOVERS

July 25, 2011



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GEORGIA DEPARTMENT OF PUBLIC HEALTH

# Overview

Causes of Death



Mortality Rates



Risk Factors



Health Disparities

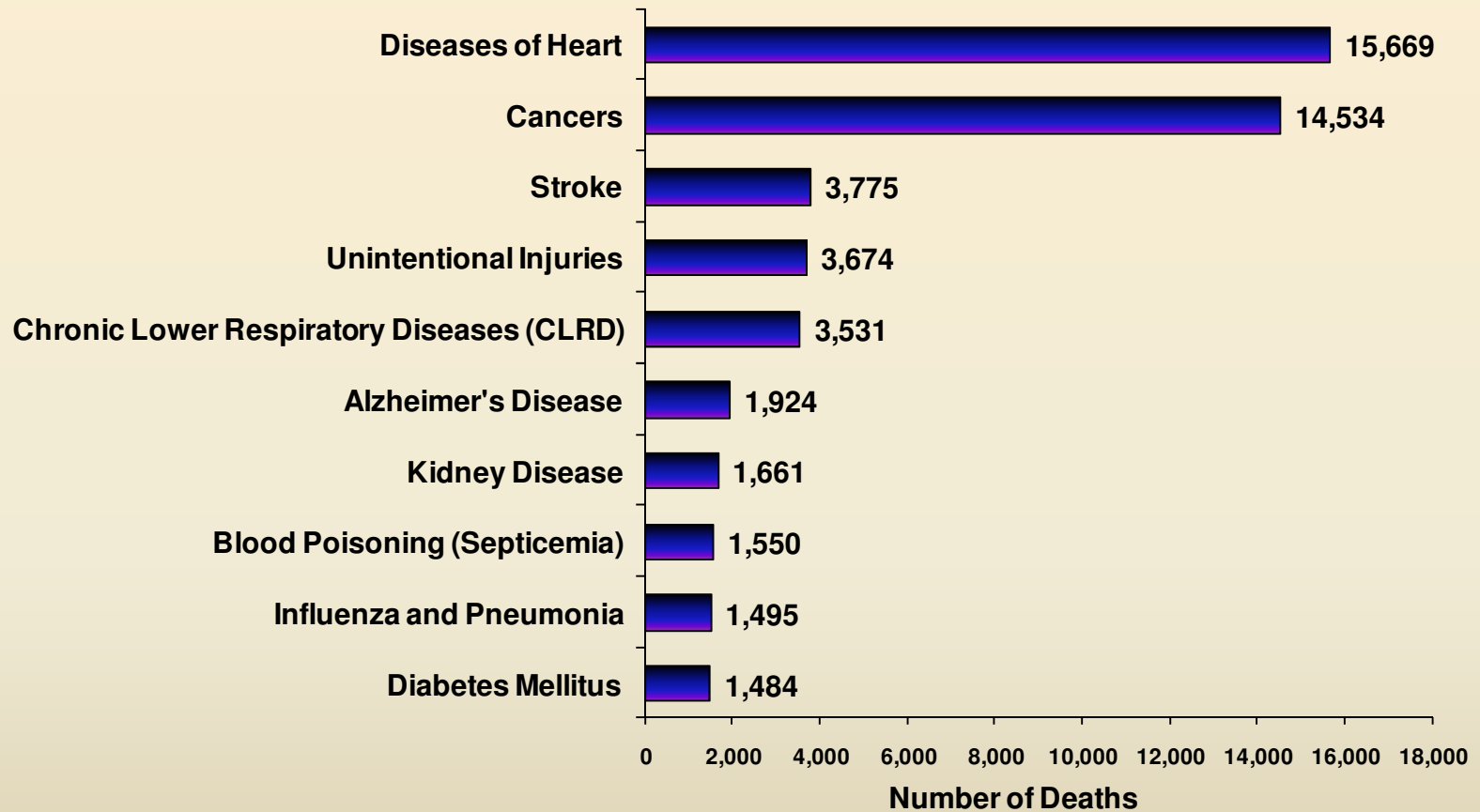


# Causes of Death Statistics



# Leading Causes of Death

Number of Deaths by Cause, Georgia 2008\*

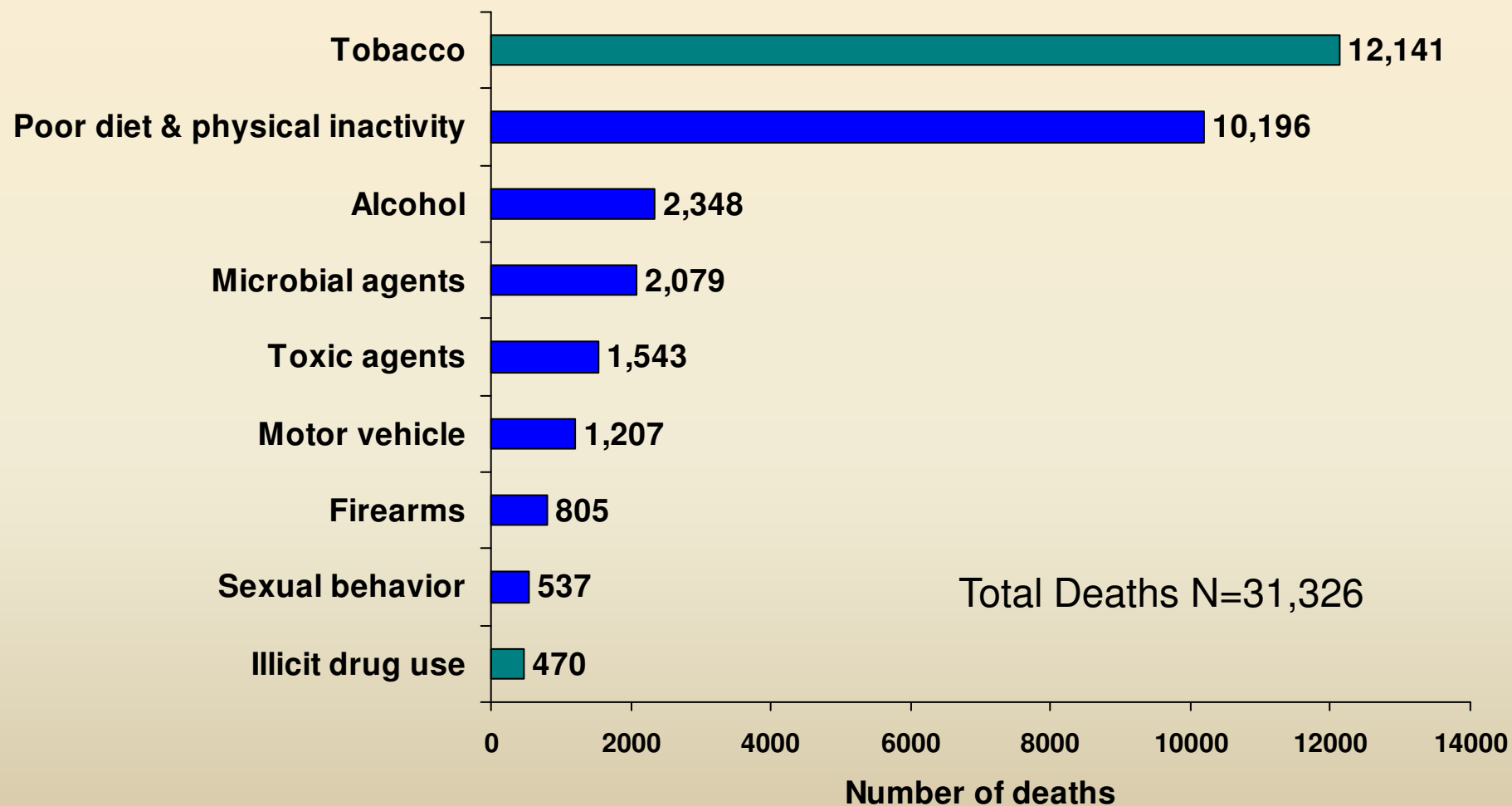


\* Method used is the National Centers for Health Statistics (NCHS), rankable causes of deaths applied to Georgia.

Source: Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP), Death File 2008

# Impact of Health Risk Factors on Mortality

Number of Georgia Deaths Attributed to Risk Factors, 2006

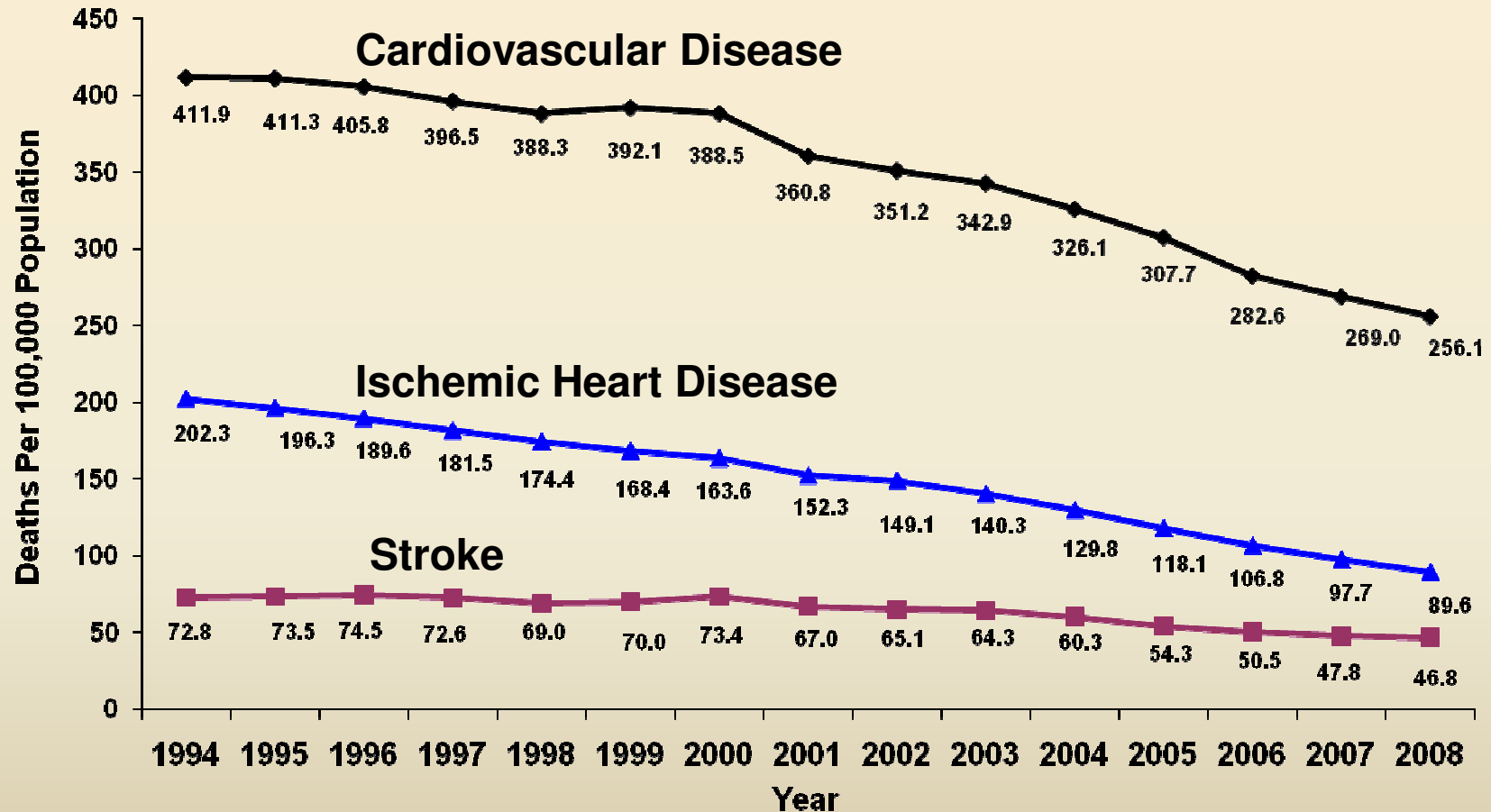


Source: Georgia Vital Records Death File, 2006.



# **Age-Adjusted Mortality Rates**

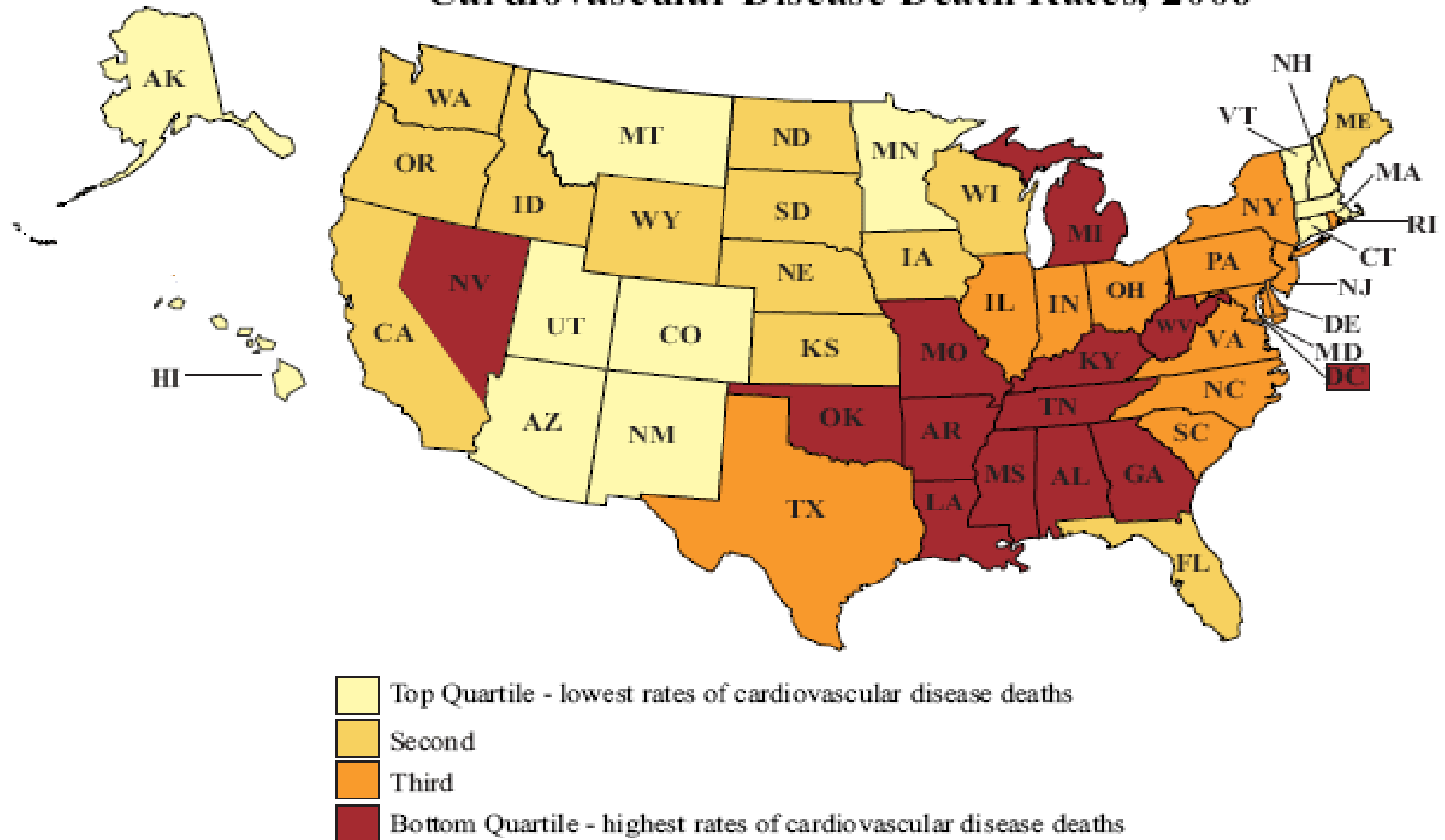
# Age-Adjusted Major Cardiovascular Disease Mortality Rates, Georgia, 1994-2008



Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

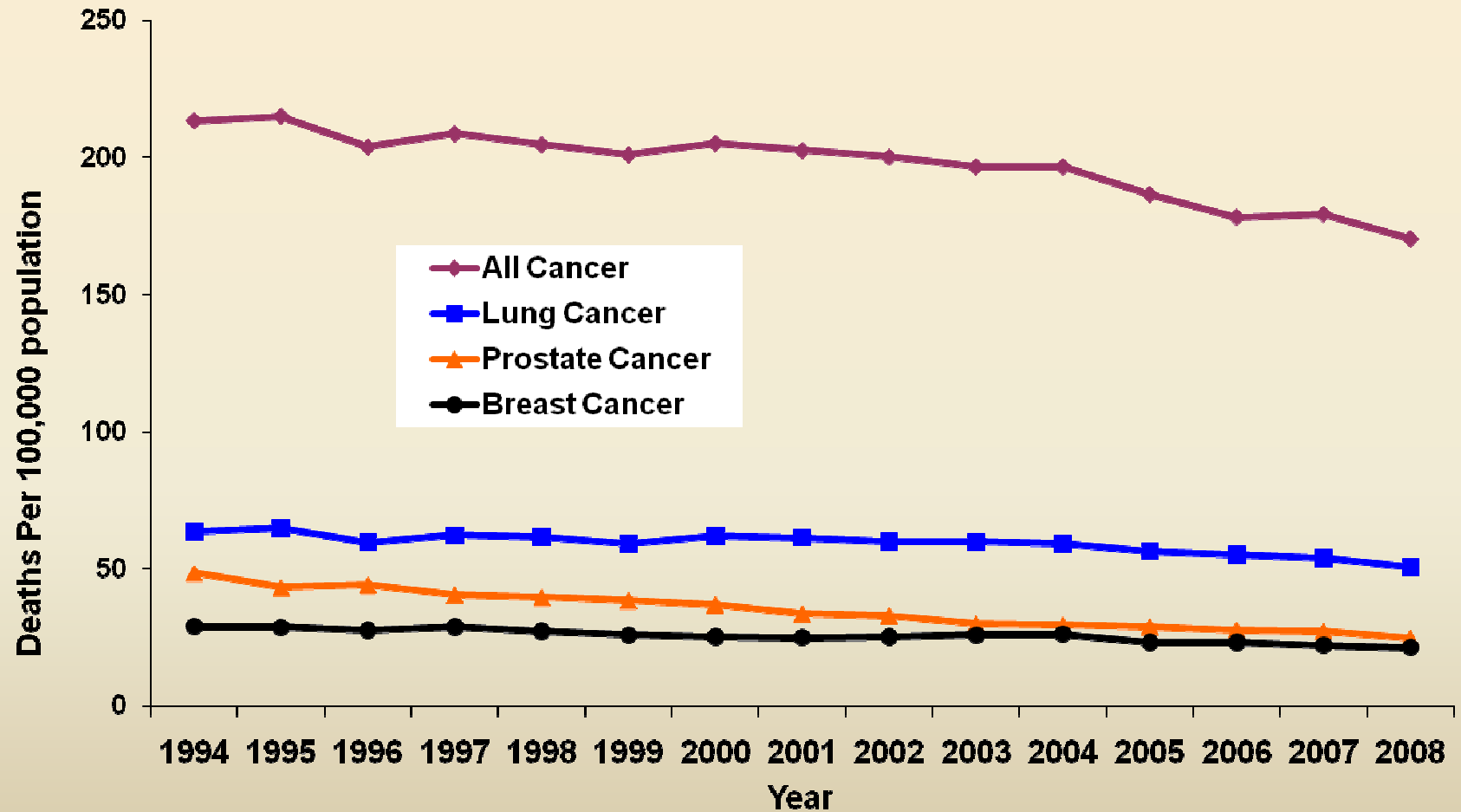
# Understanding Regional Data

Cardiovascular Disease Death Rates, 2006



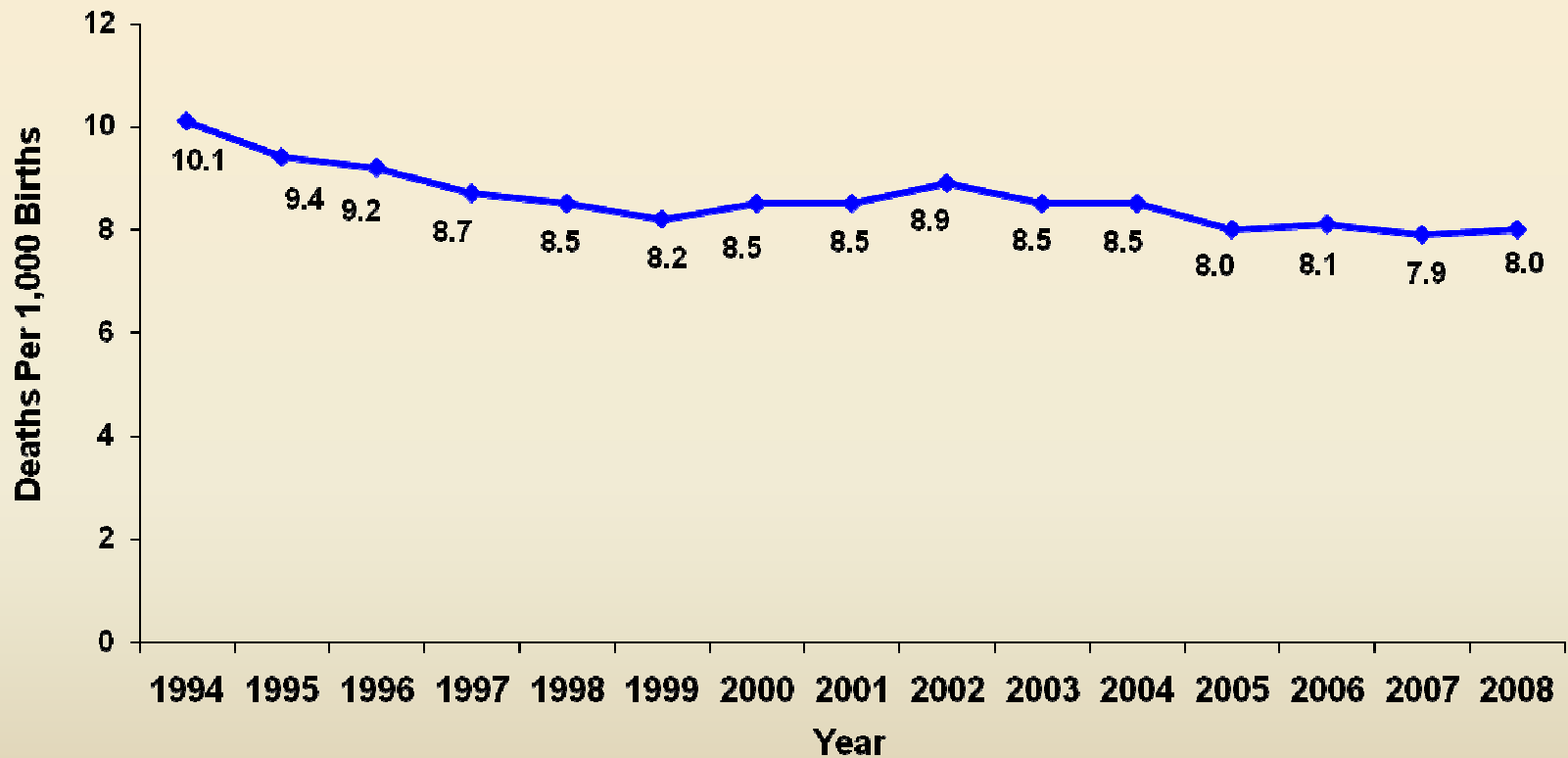


# Age-Adjusted Cancer Mortality Rates, Georgia, 1994-2008



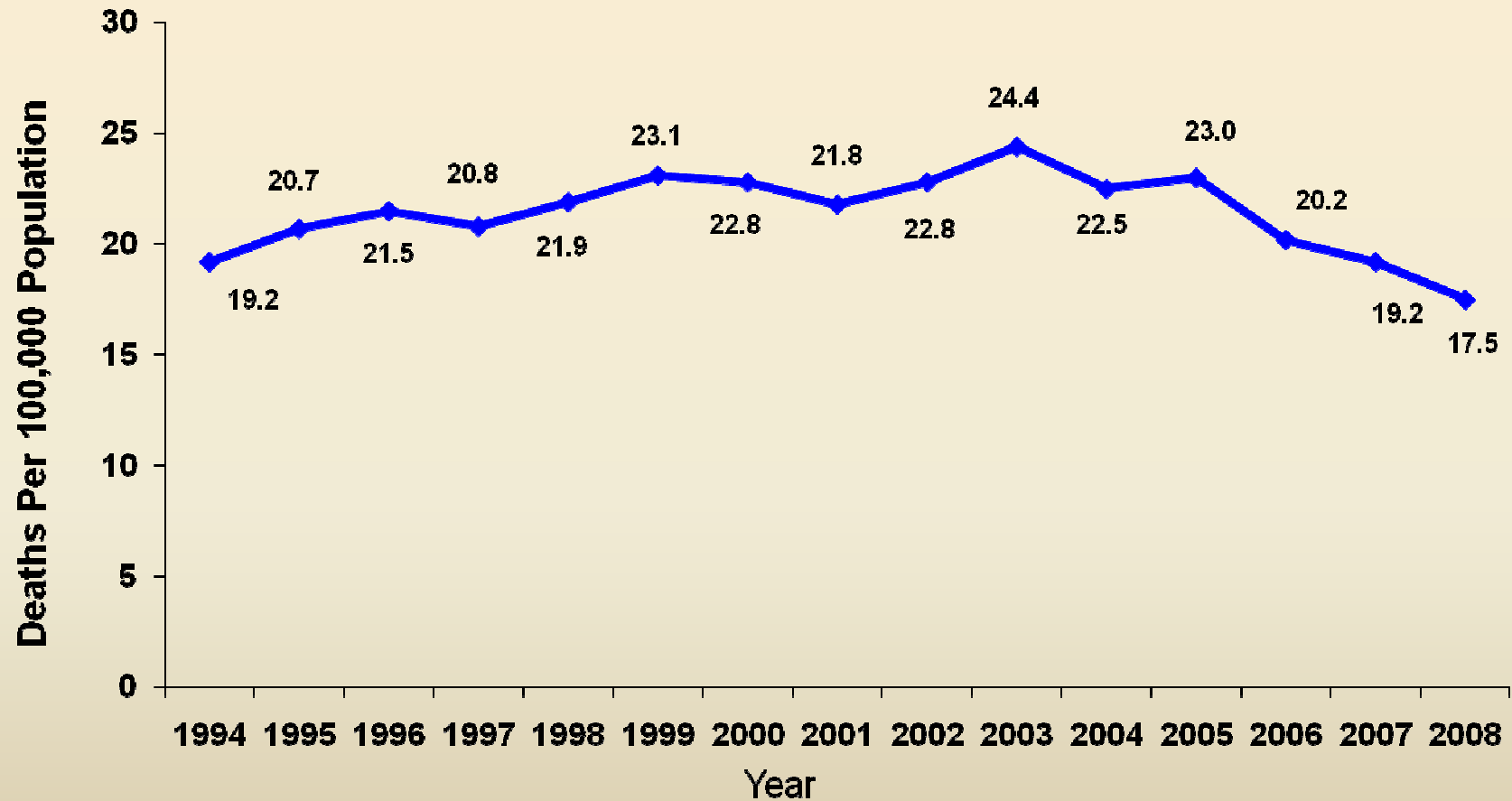
Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

## Infant Mortality Rates, Georgia, 1994-2008



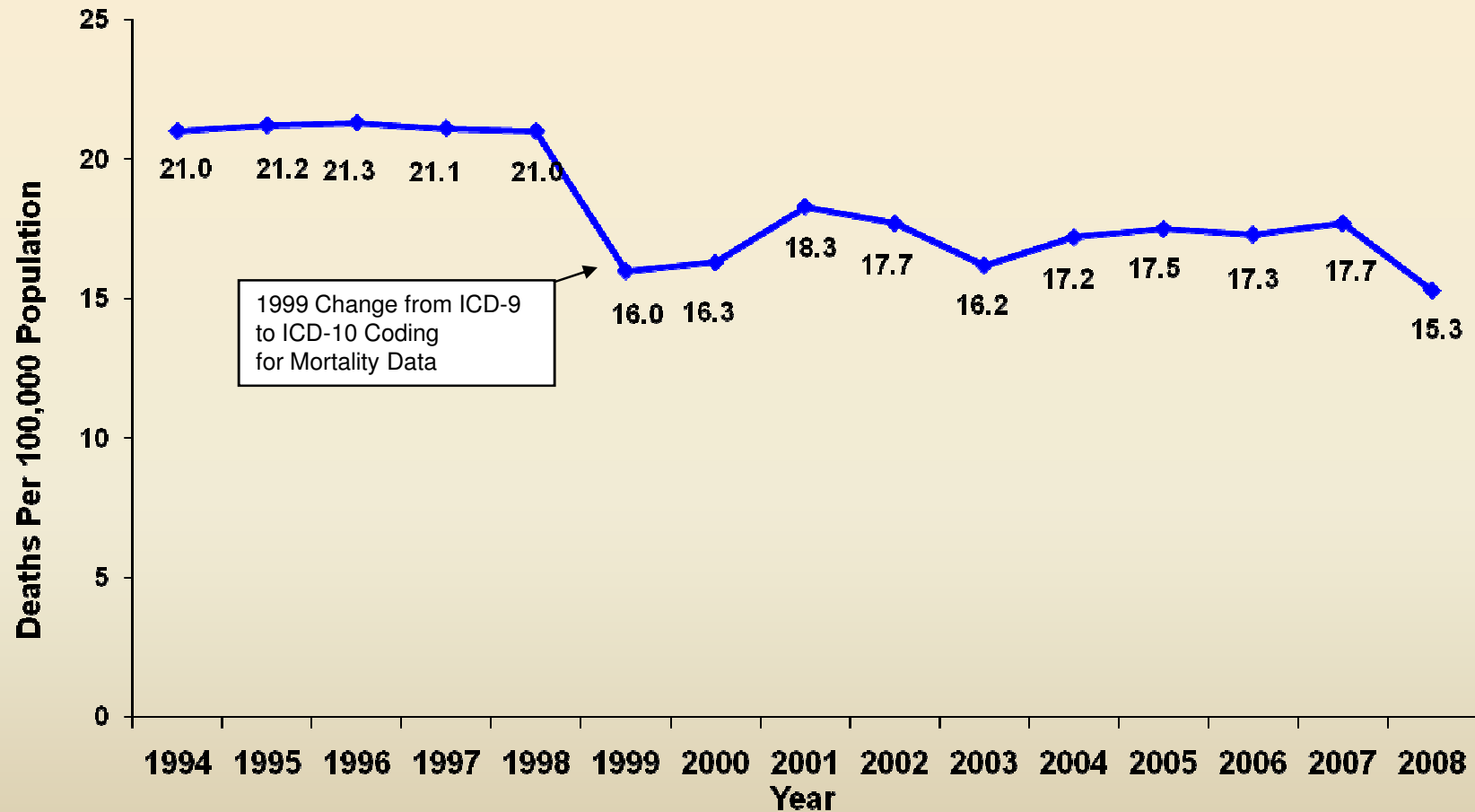
Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

## Age-Adjusted Diabetes Mortality Rates, Georgia, 1994-2008



Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Age-Adjusted Motor Vehicle Crash Mortality Rates, Georgia, 1994-2008



Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Age-Adjusted Violent Death Rates, Georgia, 1994-2008

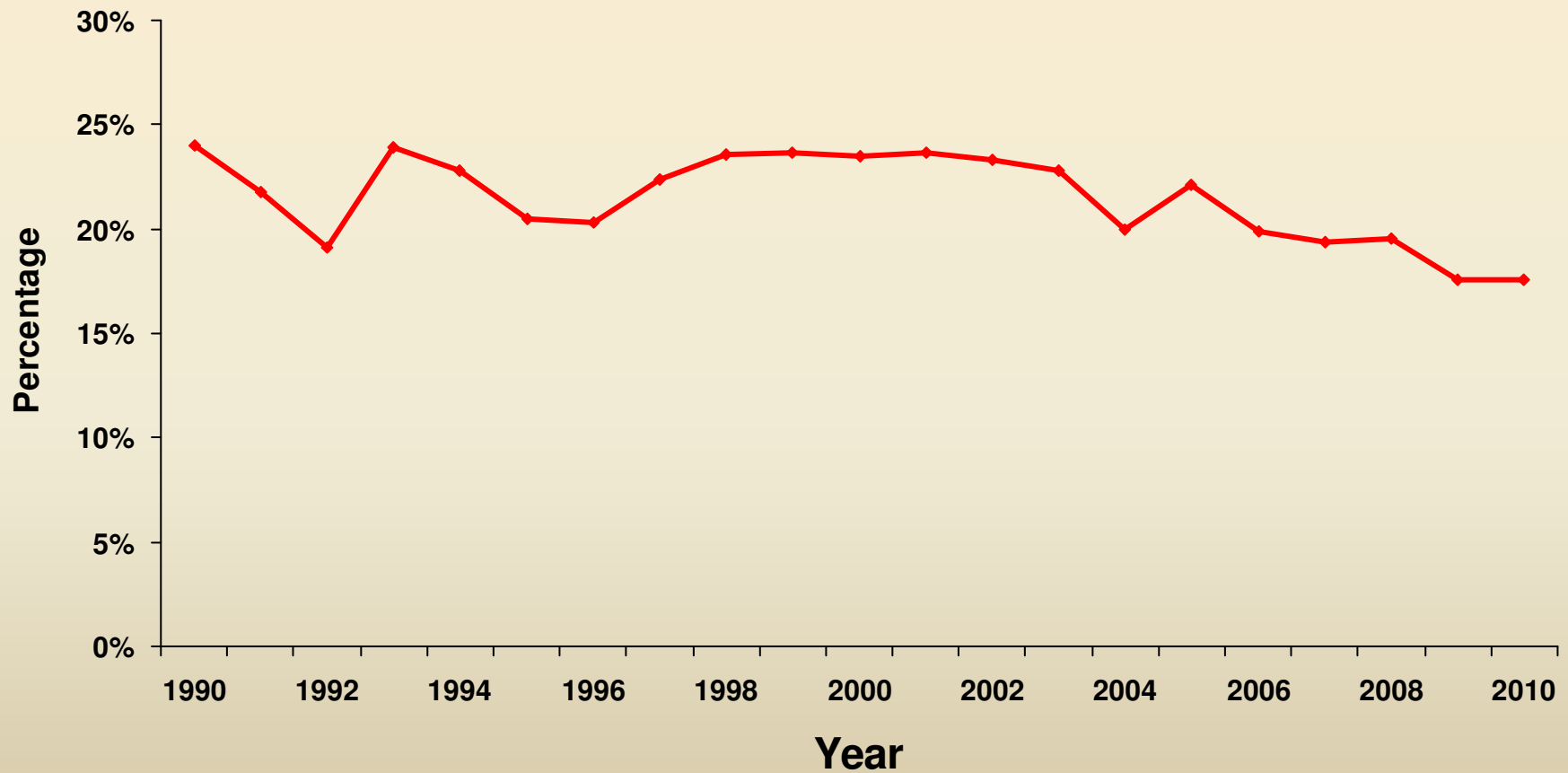


Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Key Risk Factors Affecting Health Status



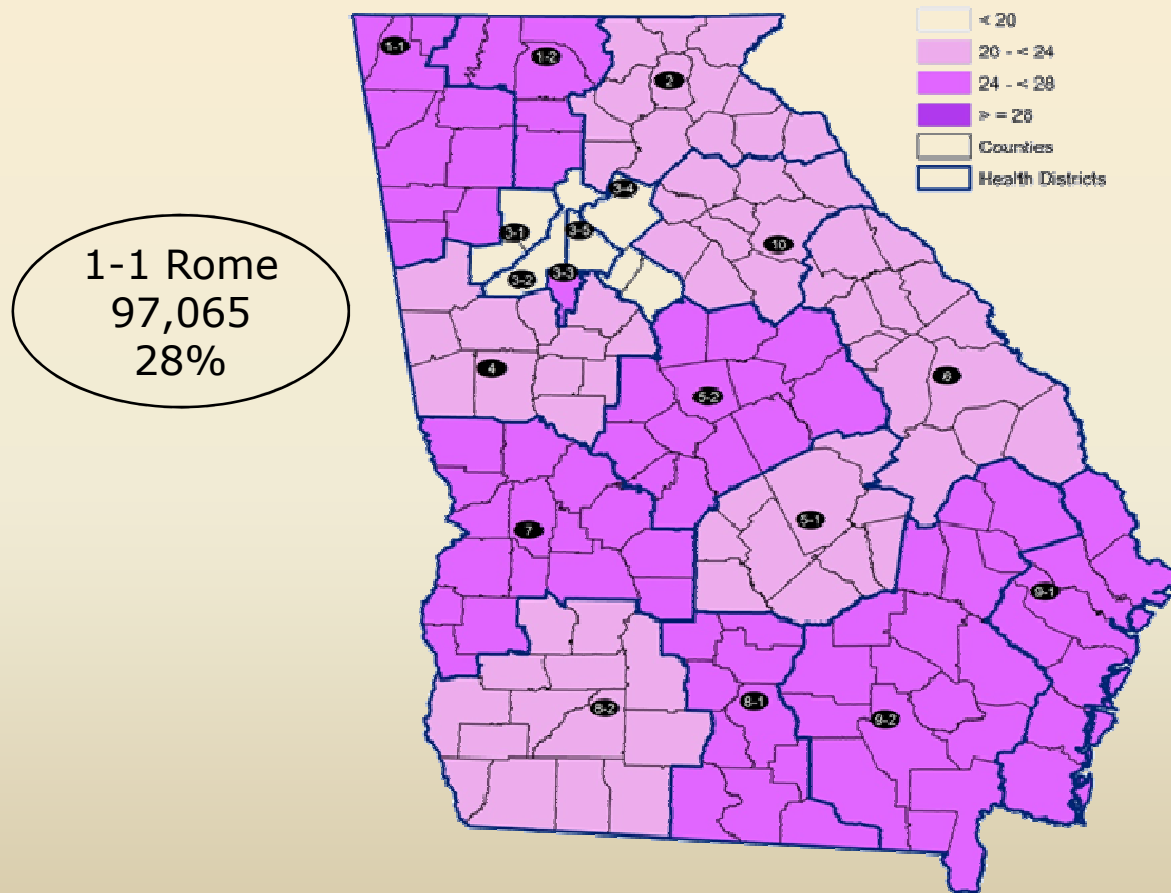
# Percentage of Adults 18 Years and Older, Who Smoke, Georgia, 1990-2010



Source: Georgia BRFSS

# Smoking

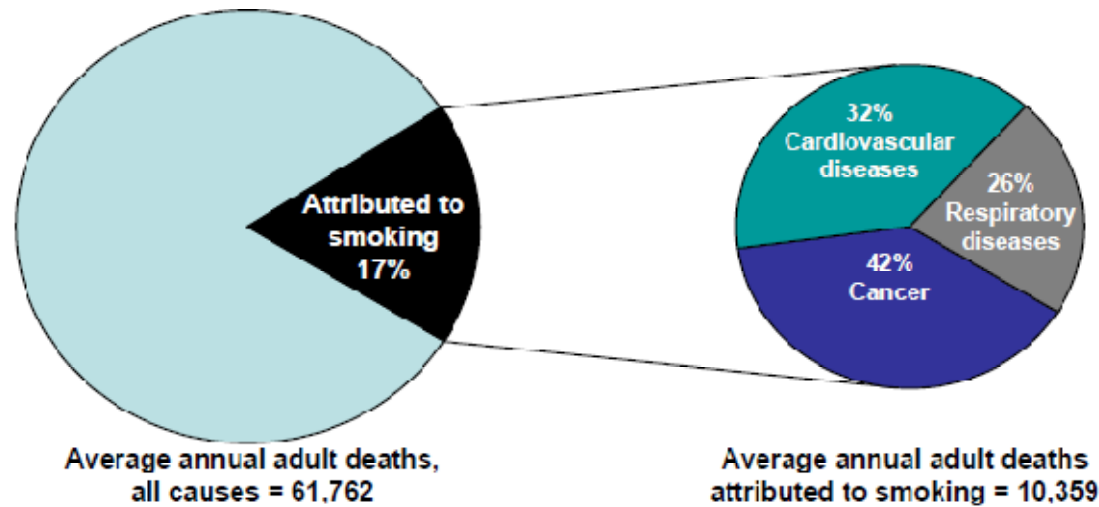
## Percentage of Smokers by Health District





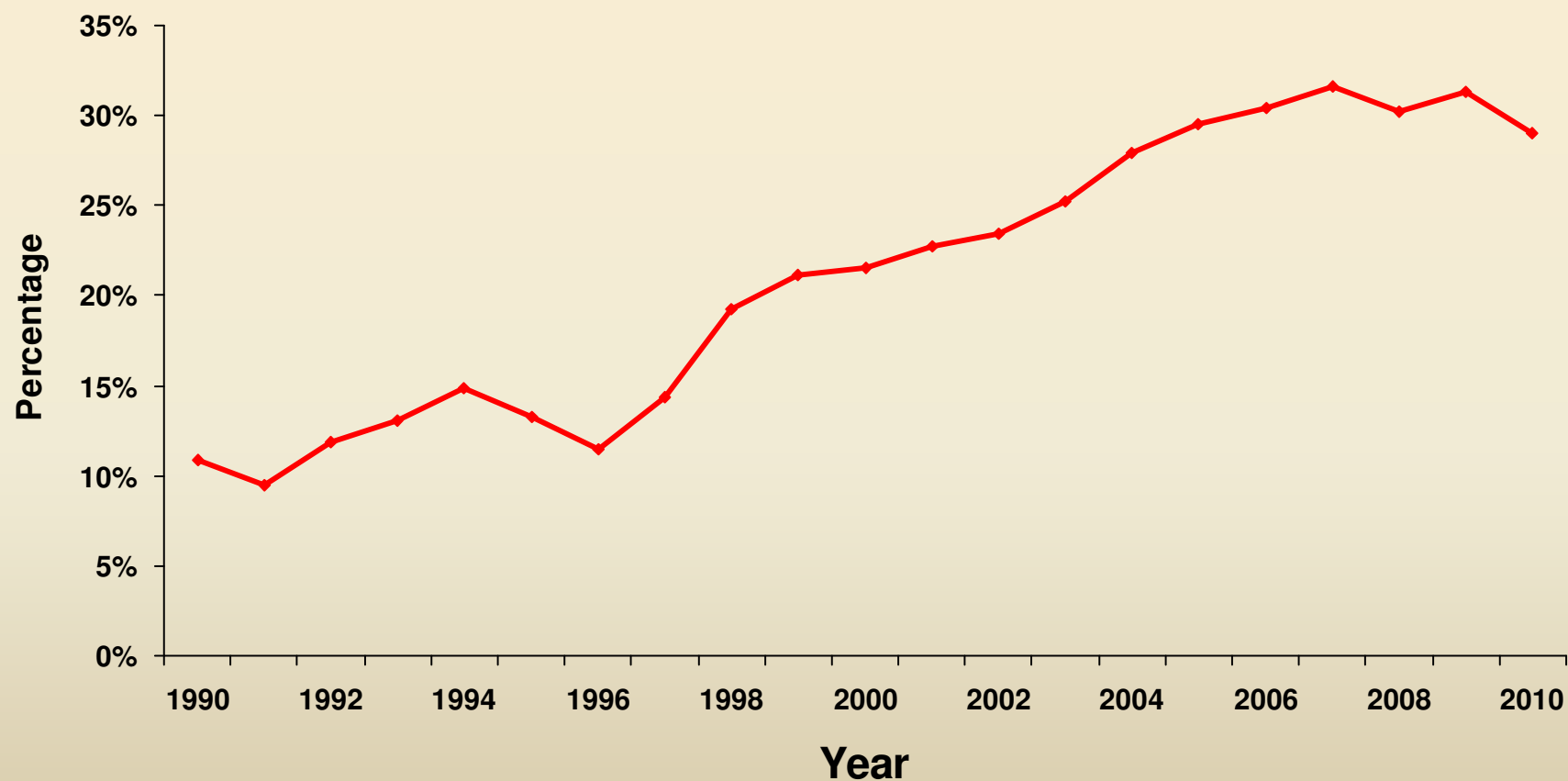
# Burden of Tobacco Use in Georgia

Average annual smoking-attributable deaths  
among adults ages 35 and older,  
Georgia, 2002-2006



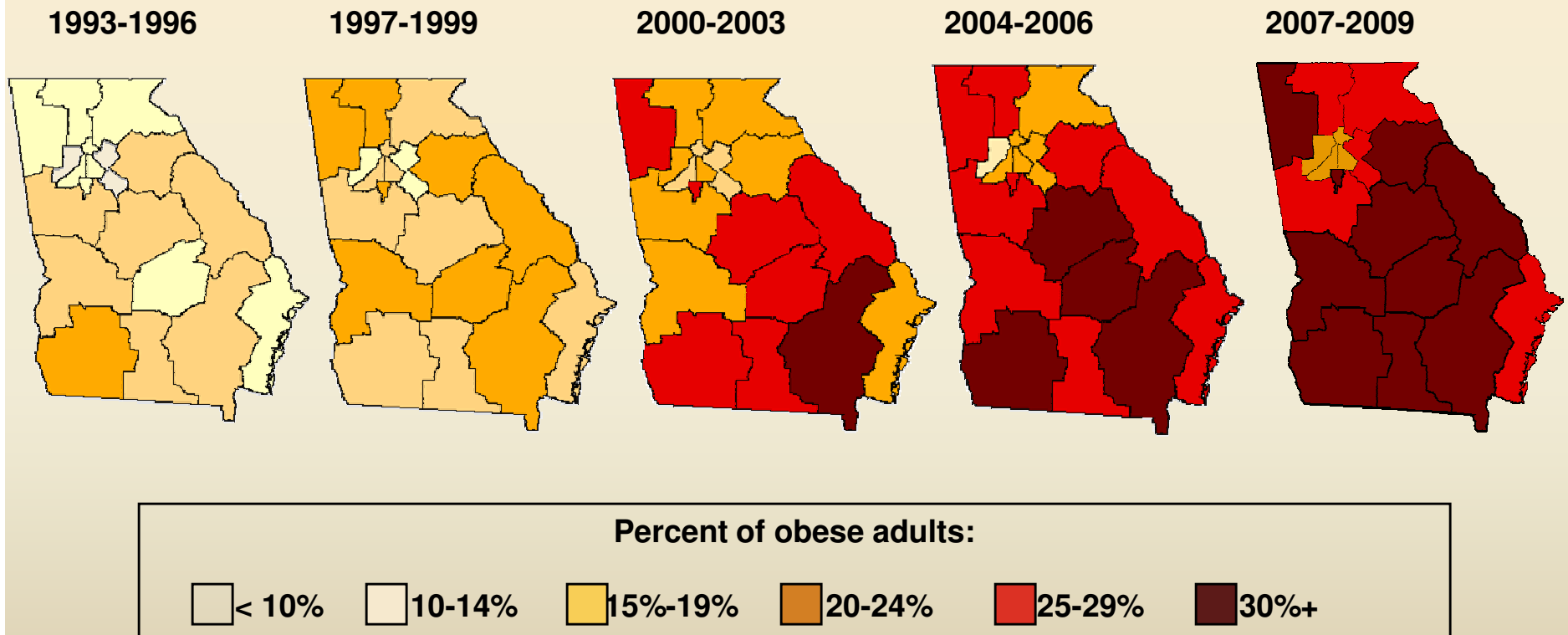
Sources: Georgia Vital Statistics; CDC SAMMEC

# Percentage of Adults 18 Years and Older, Who are Obese, Georgia, 1990-2010



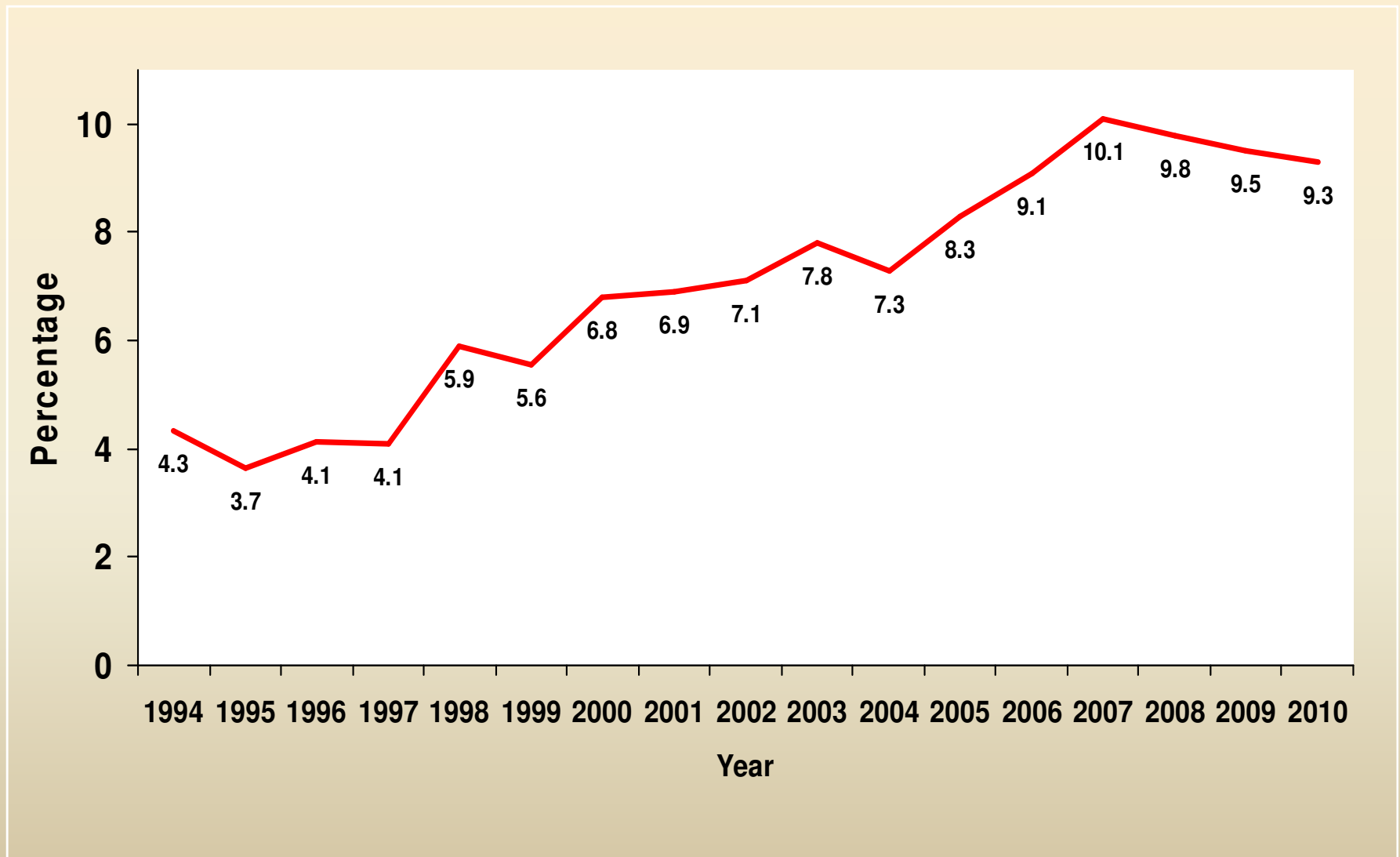
Source: Georgia BRFSS

# Geographic Trends in Obesity



Source: Georgia BRFSS

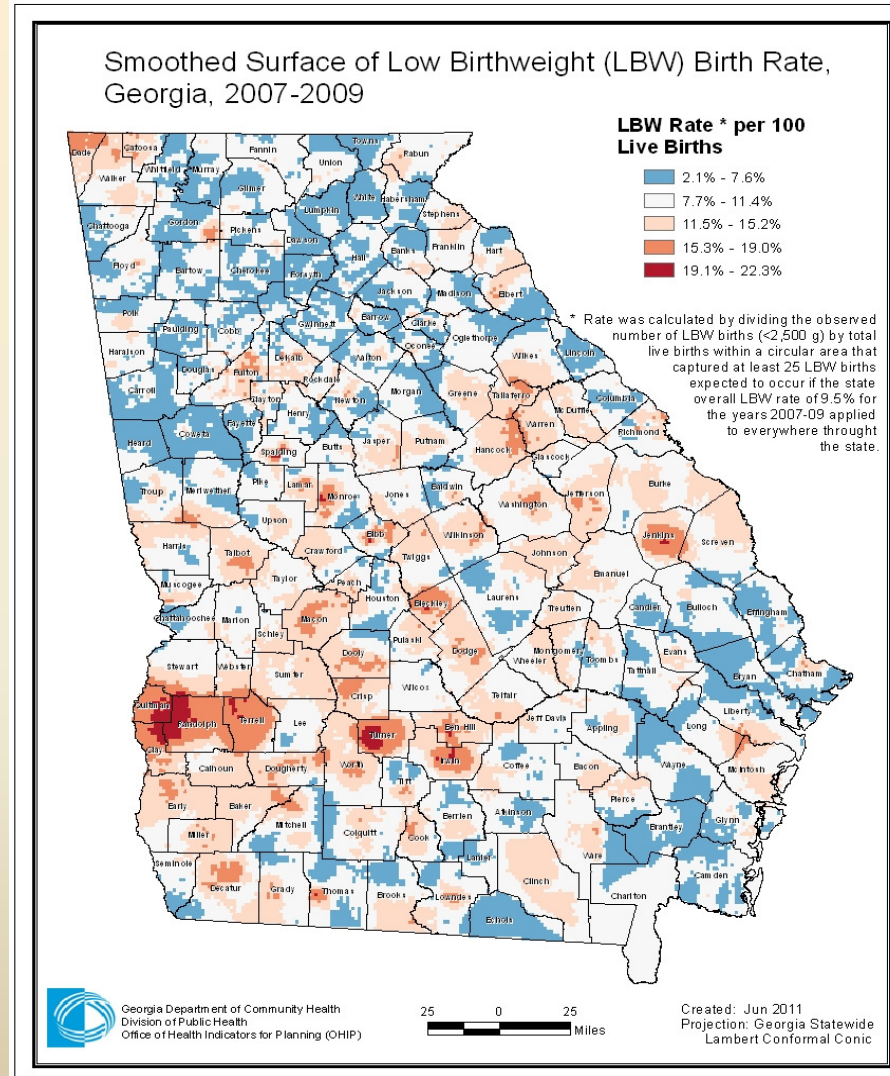
# Prevalence of Self-reported Diabetes among Georgian Adults, 1994-2010



Source: Georgia BRFSS

# Low Birth Weight Infants: 2004-2006 and 2007-2009

Ten Counties with the Highest Burden of Low Birth Weight(LBW) Infants 2004-2006		
County	N (LBW)	Percent of Births
Spalding	420	13.9
Bibb	1007	13.7
Dougherty	625	13.3
Muscogee	1061	11.6
Clayton	1586	10.9
Richmond	1039	10.9
Chatham	1245	10.9
Fulton	4171	10.7
Lowndes	521	10.7
Dekalb	3588	10.6

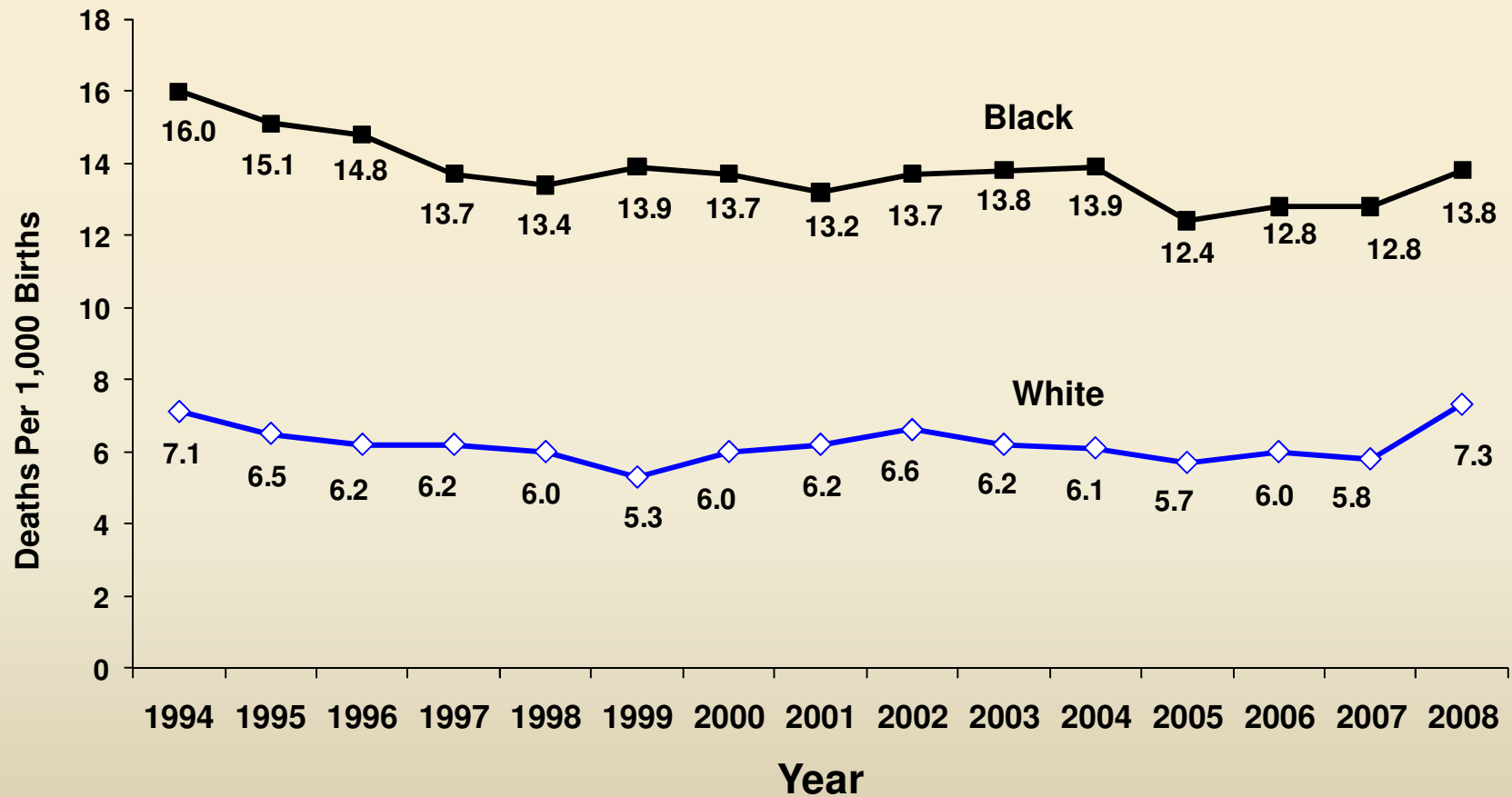


Source: Georgia Vital Records Birth File 2004-2006

A close-up photograph showing several hands of different skin tones (white, light brown, dark brown) being held together in a supportive gesture. The hands are positioned in a way that suggests unity and mutual aid. The background is dark and out of focus.

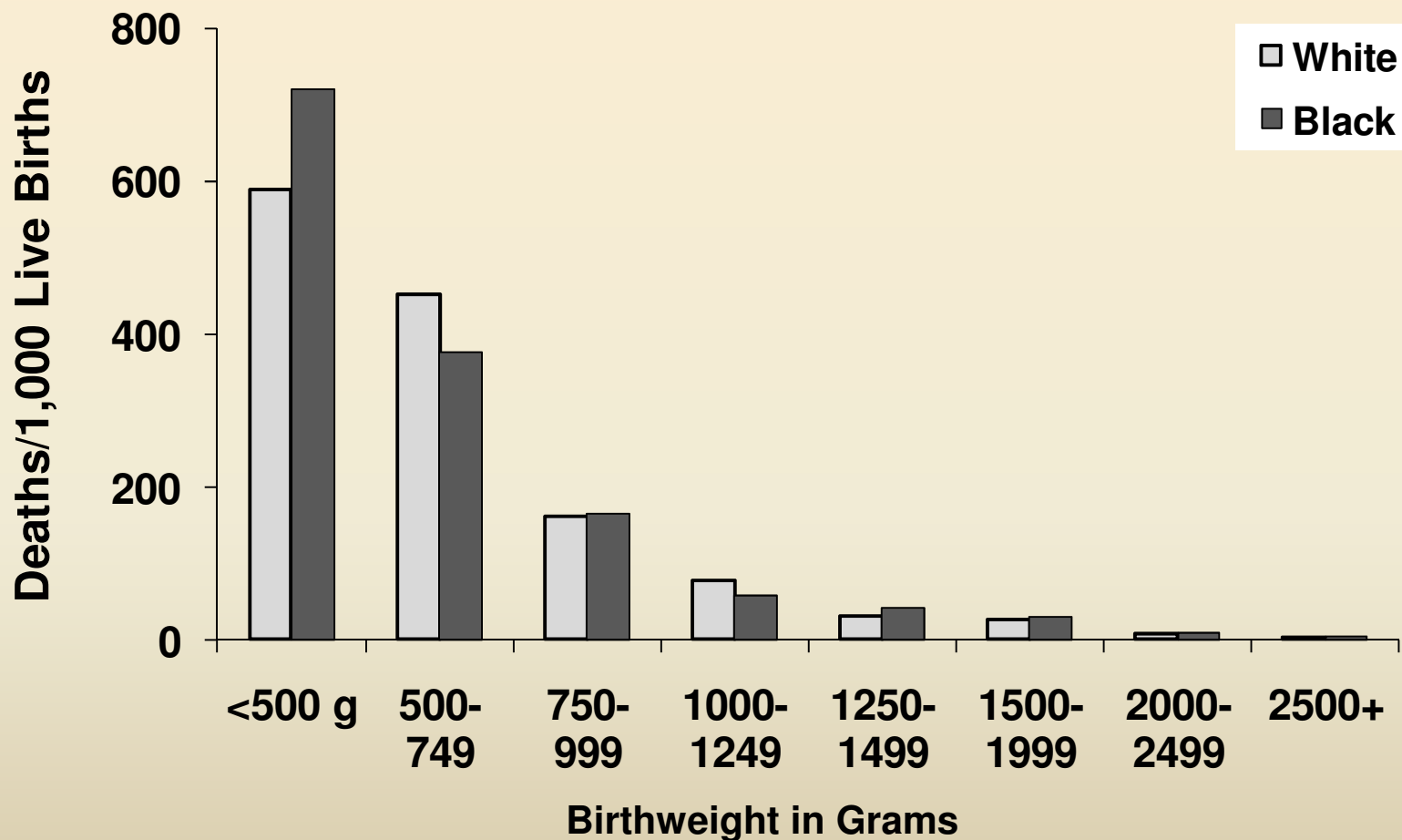
# Key Health Disparities in Georgia

# Infant Mortality Rates by Race, Georgia, 1994-2008



Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Infant Mortality by Birth Weight Category, Georgia 2007 Birth Cohort

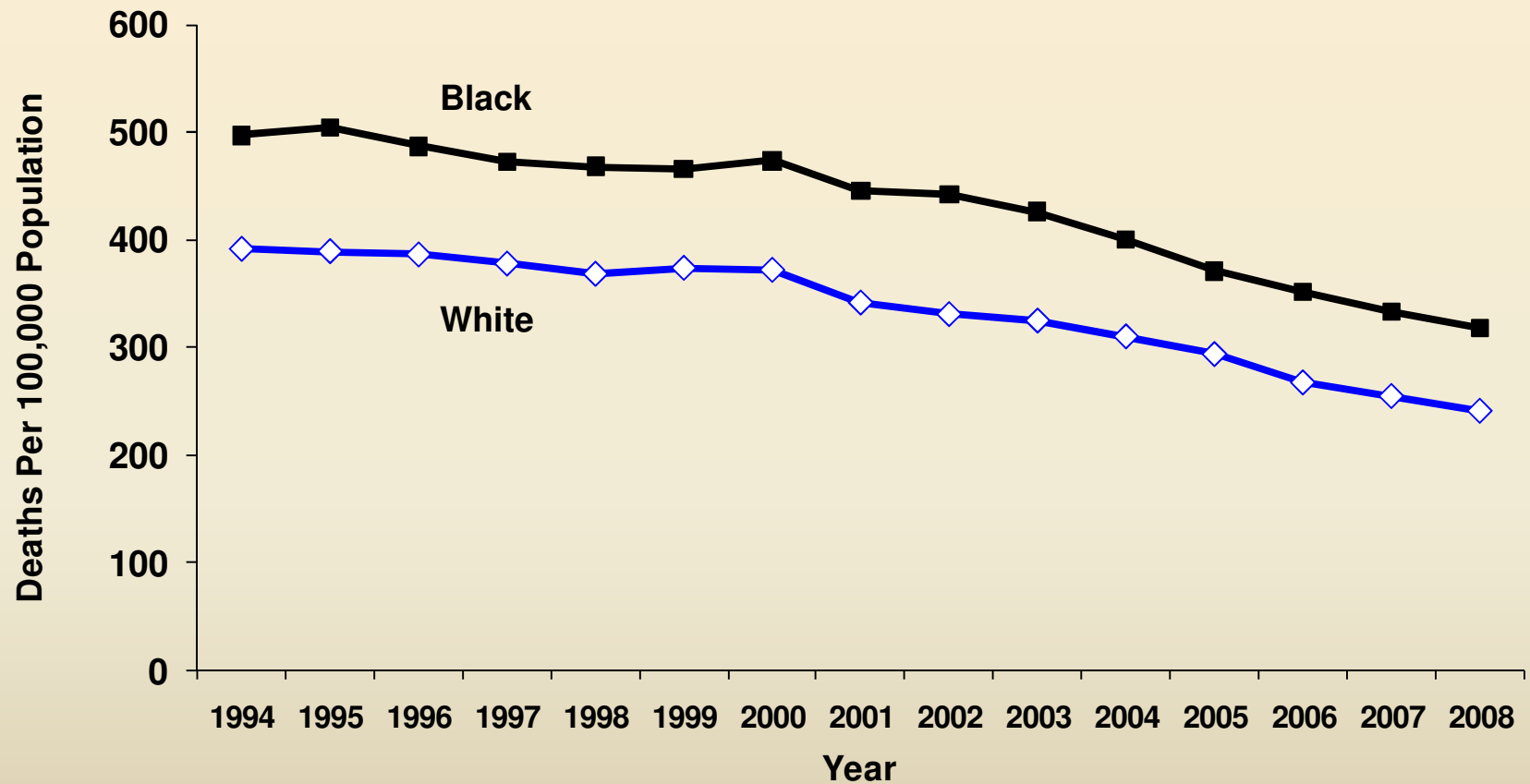


(The 2007 Birth Cohort includes infant deaths that occurred in 2008)

Source: Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP), Georgia Birth Death Linked File, 2007

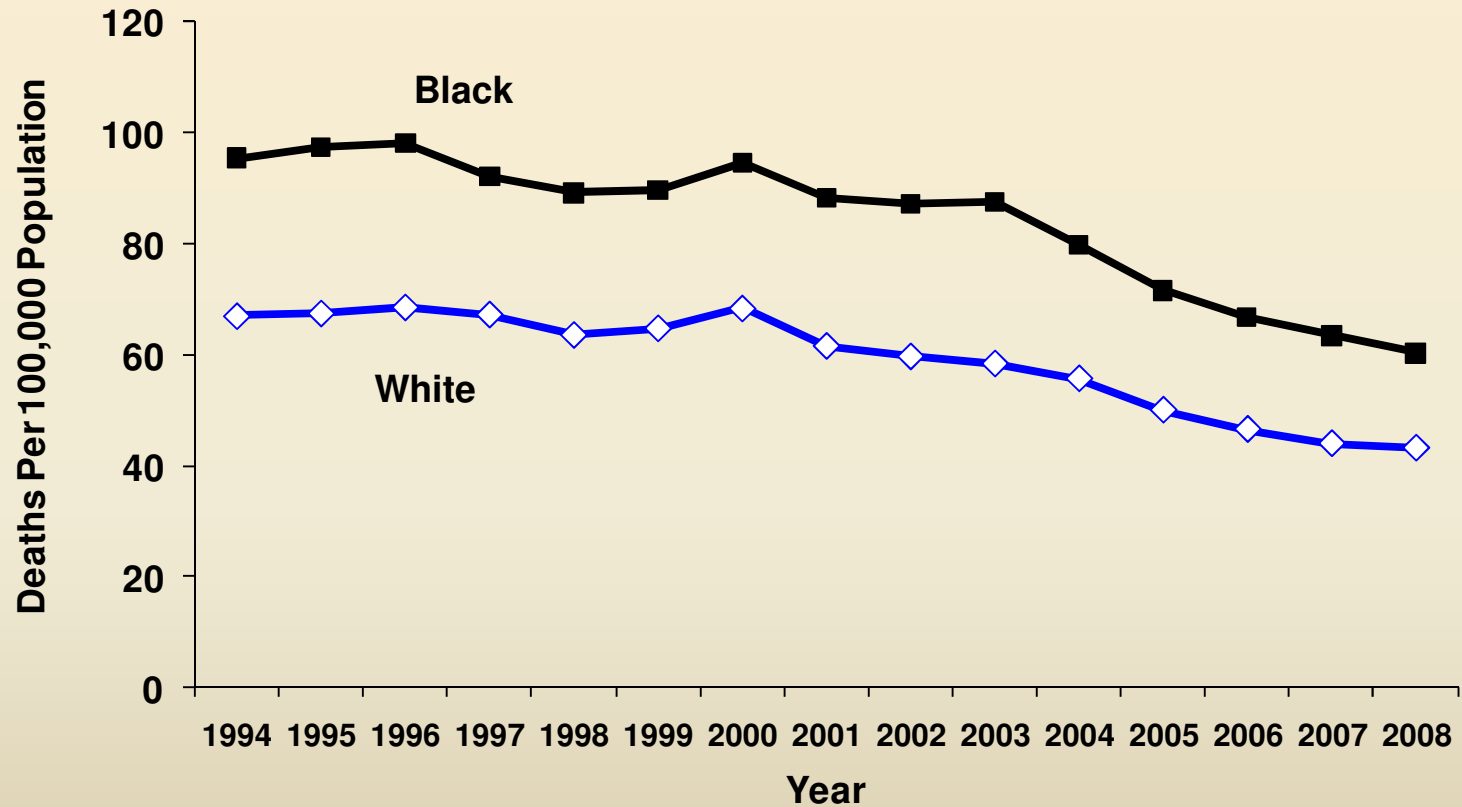


# Age-Adjusted Cardiovascular Disease Mortality Rates by Race, Georgia, 1994-2008



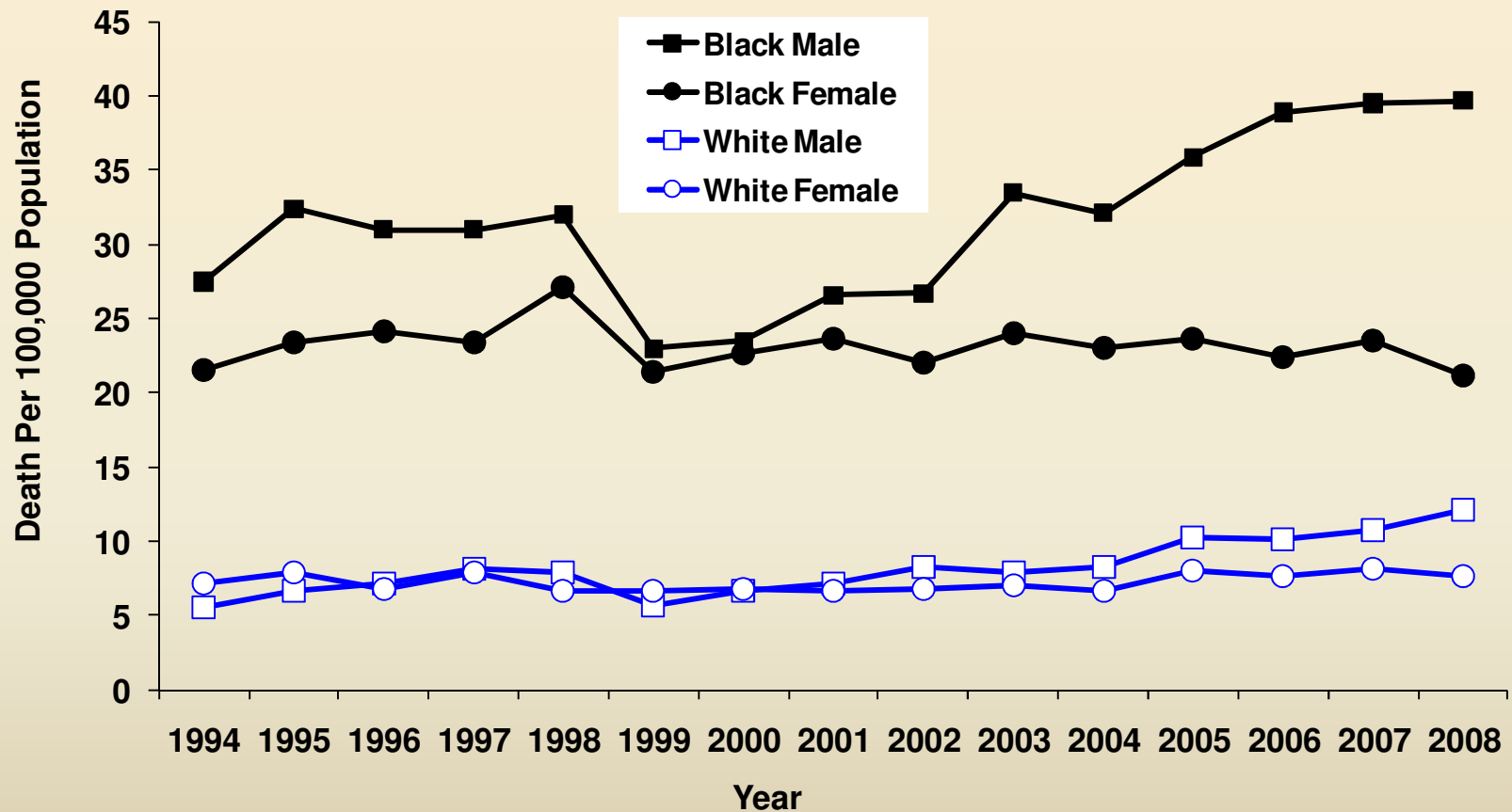
Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Age-Adjusted Stroke Mortality Rates by Race, Georgia, 1994-2008



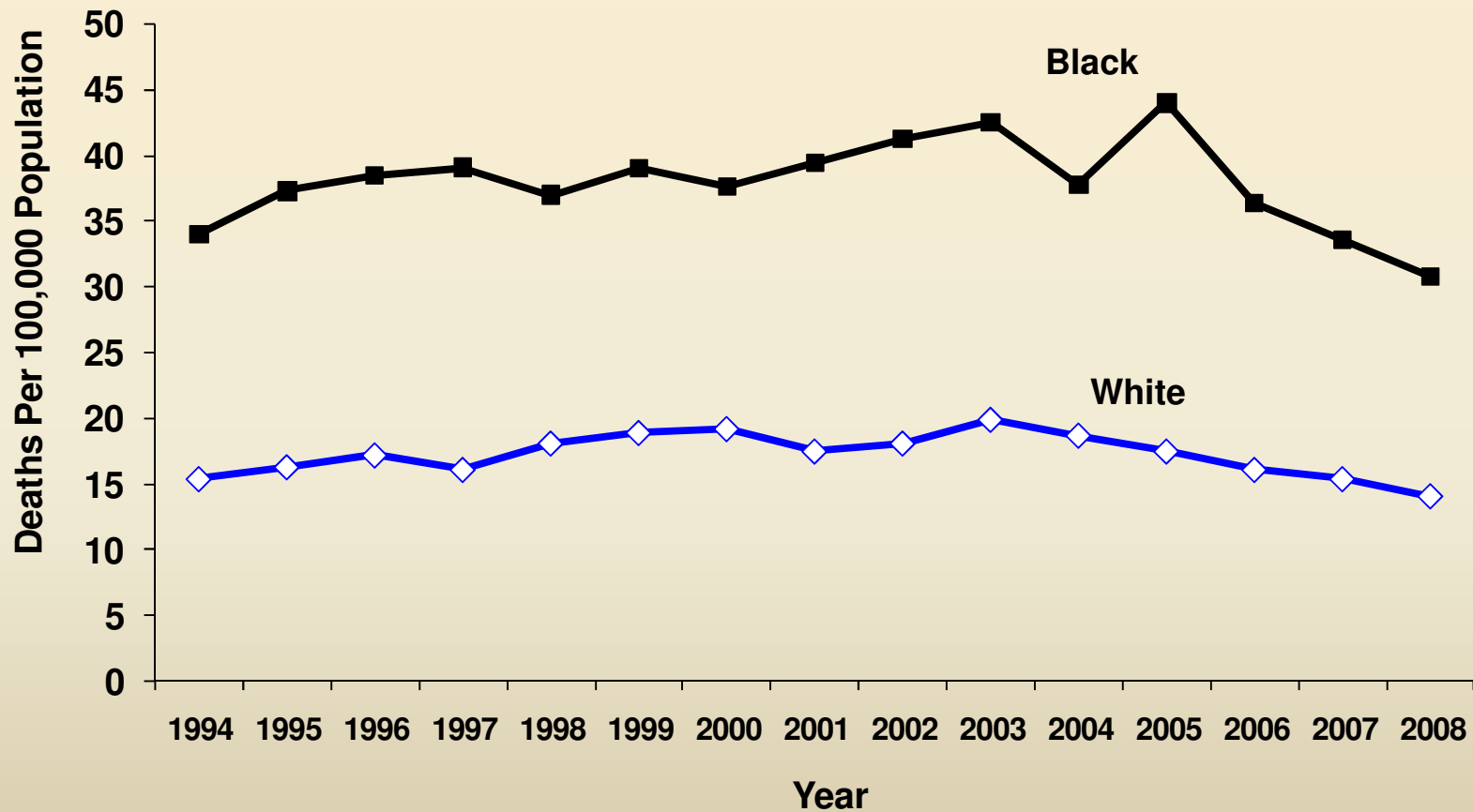
Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Age-Adjusted Hypertensive Heart Disease Death Rates by Race and Sex, Georgia, 1994-2008



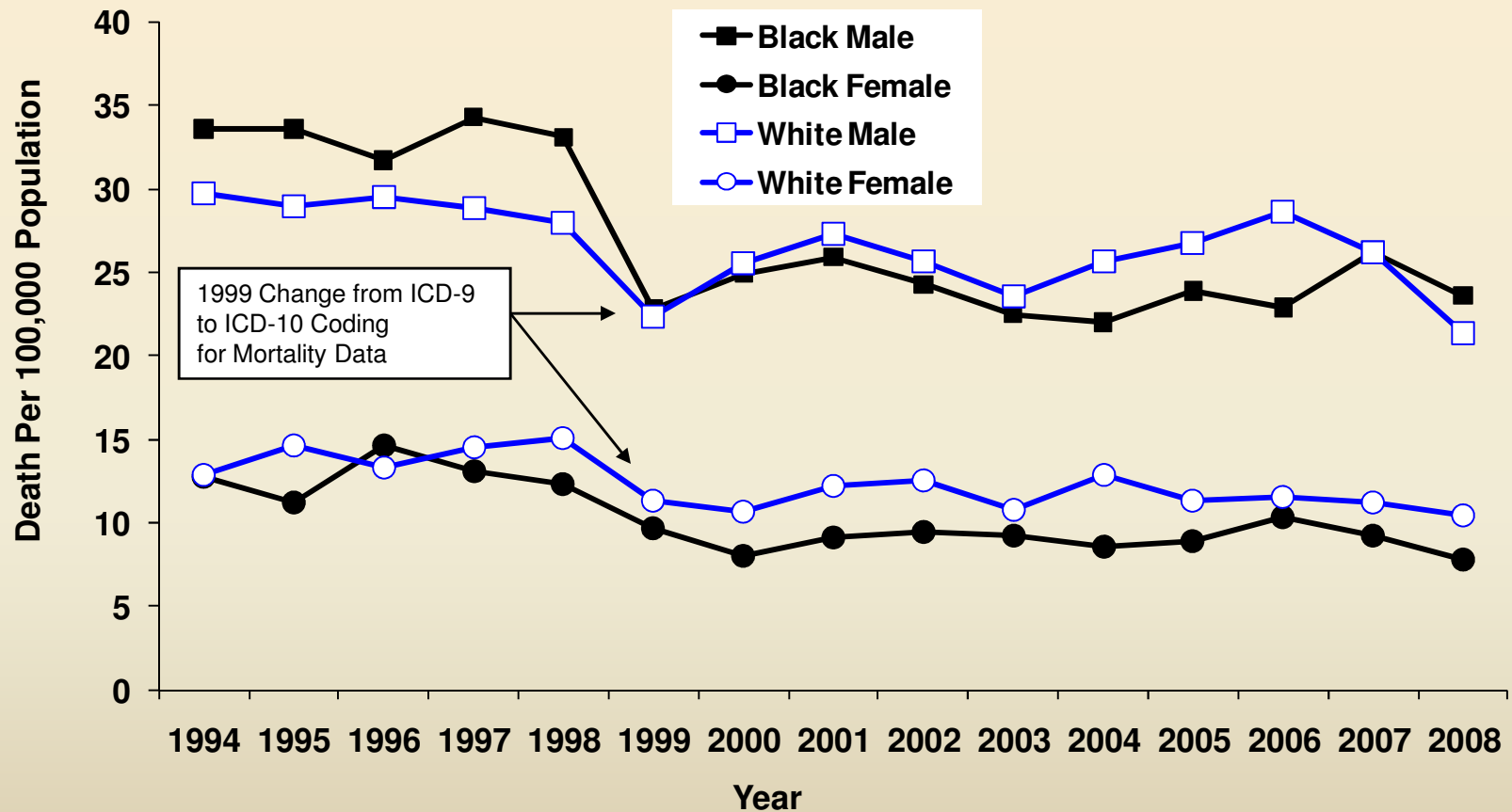
Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Age-Adjusted Diabetes Mortality Rates by Race, Georgia, 1994-2008



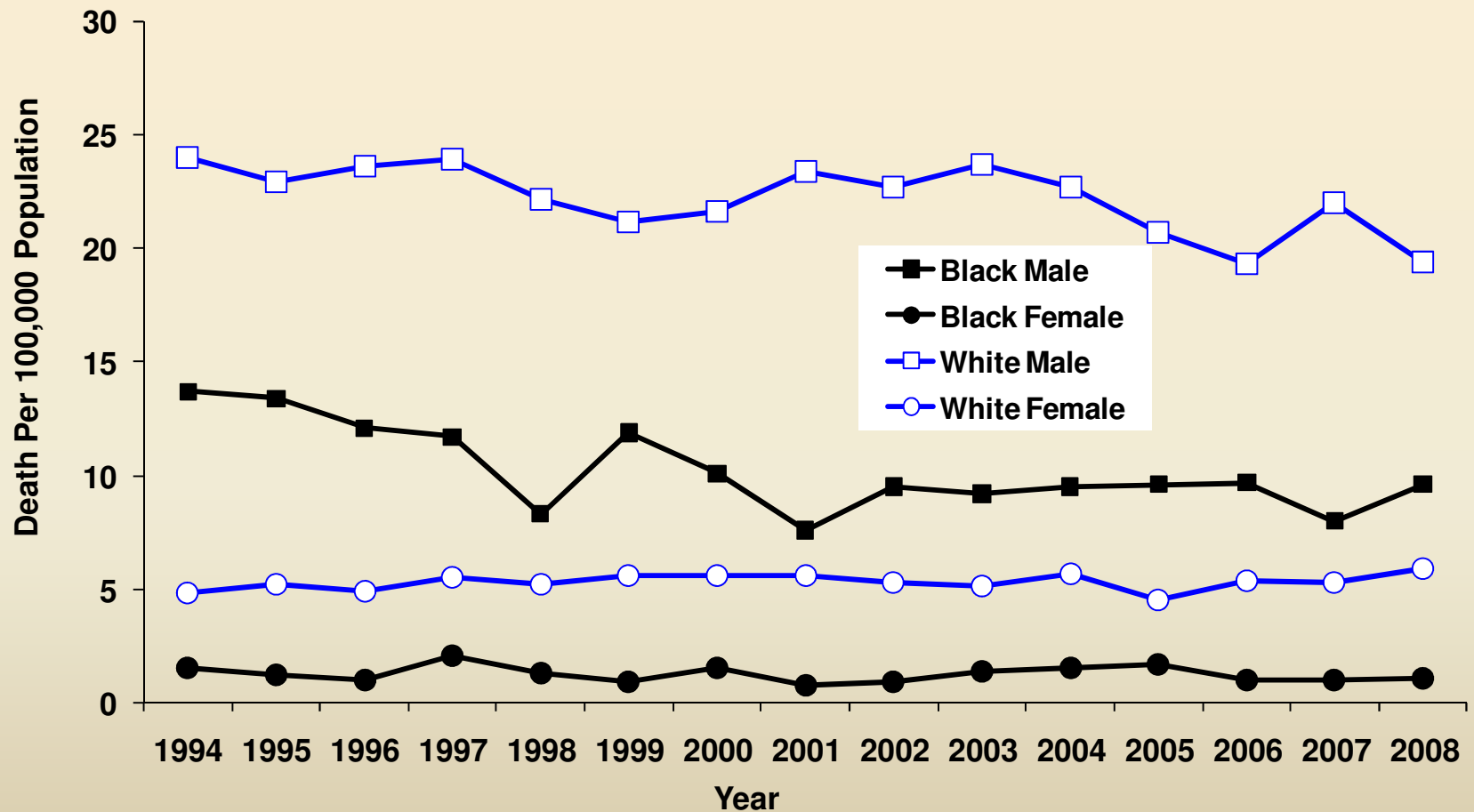
Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Age-Adjusted Motor Vehicle Crash Death Rates by Race and Sex, Georgia, 1994-2008



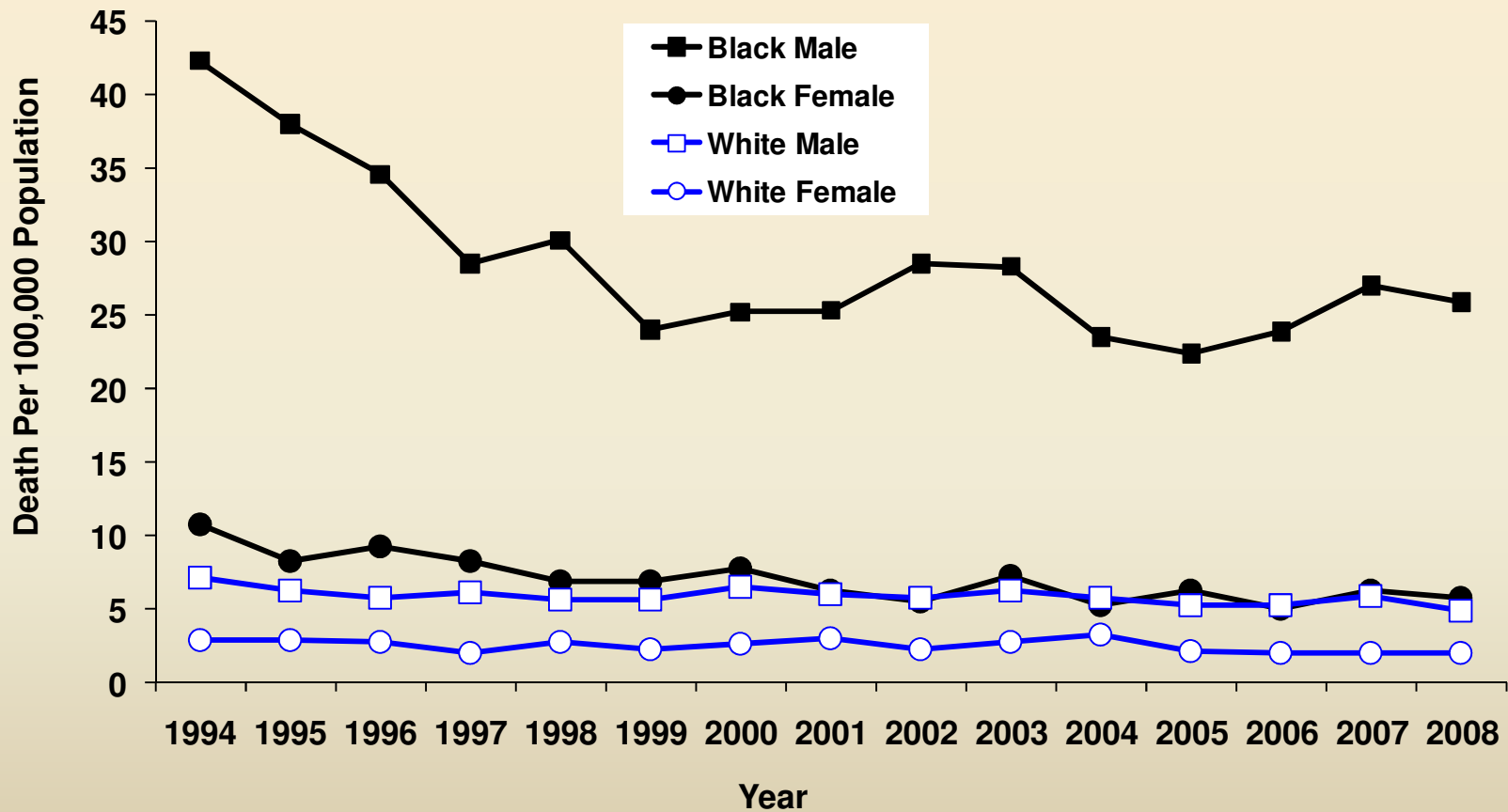
Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Age-Adjusted Suicide Rates by Race and Sex, Georgia, 1994-2008



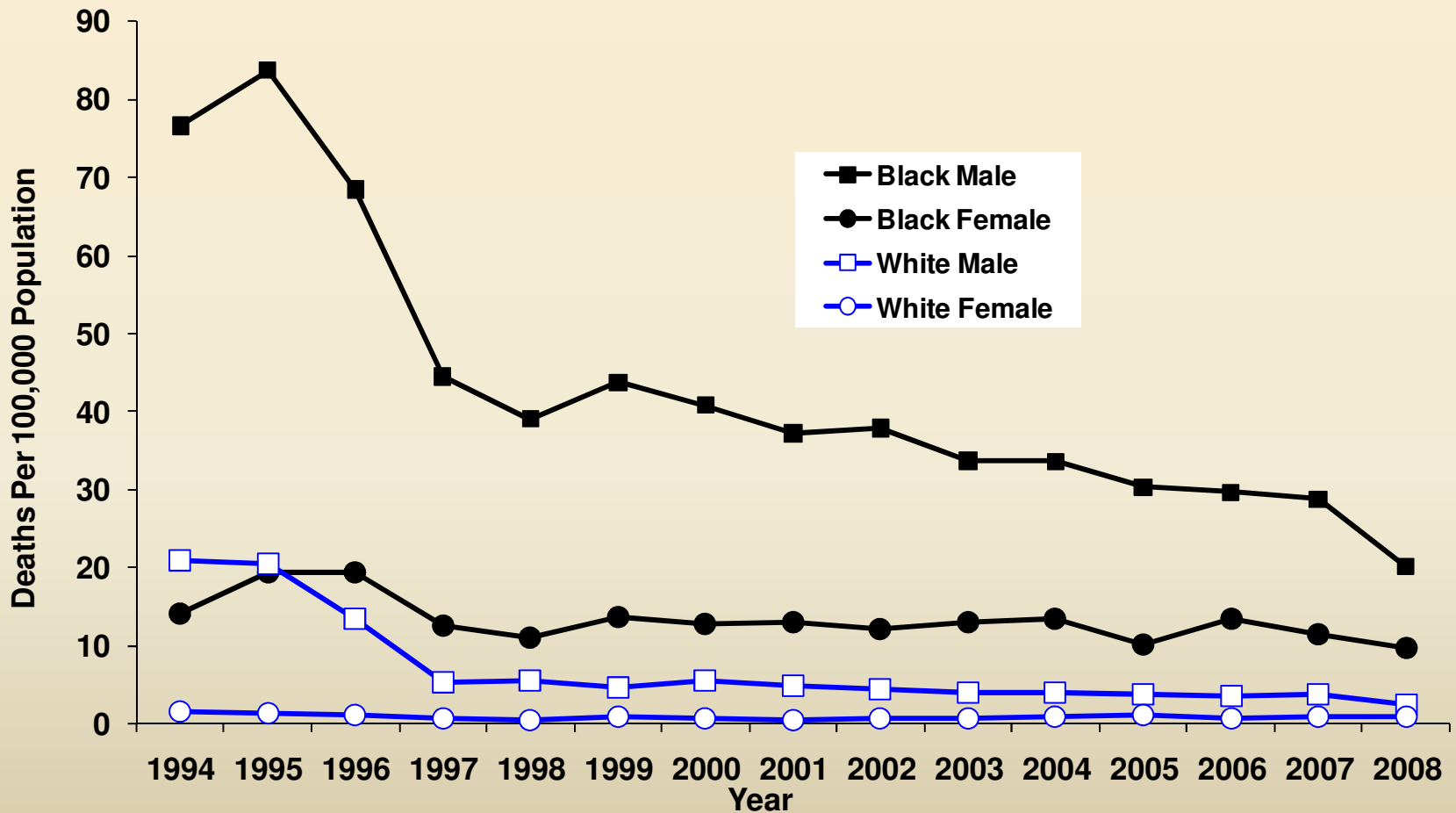
Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Age-Adjusted Homicide Rates by Race and Sex, Georgia, 1994-2008



Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

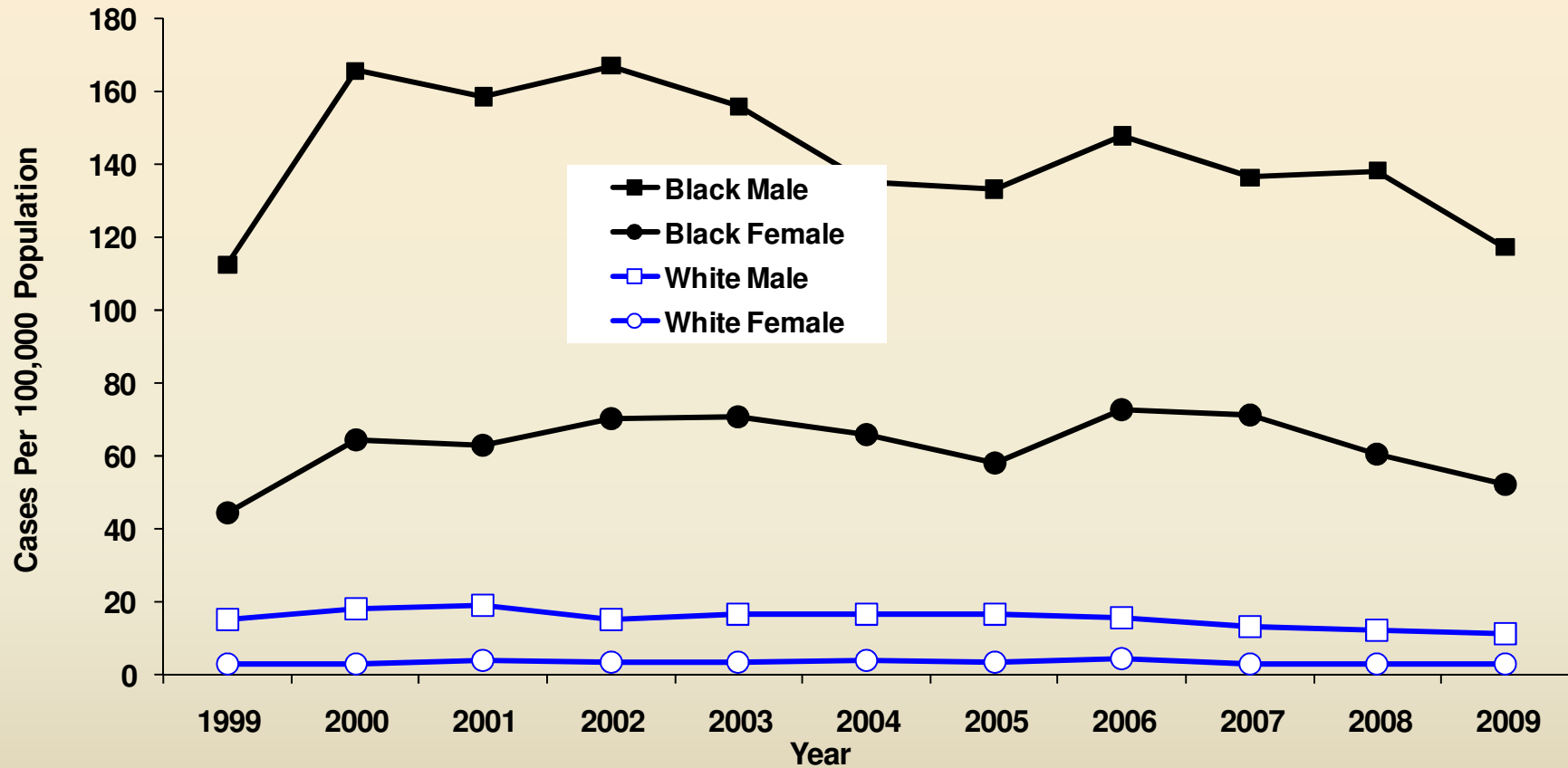
# Age-Adjusted HIV/AIDS Mortality Rates by Race and Sex, Georgia, 1994-2008



Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>



# Age-Adjusted HIV/AIDS Hospital Morbidity Rates by Race and Sex, Georgia, 1999-2009



The number of persons discharged live from non-Federal acute-care inpatient facilities (Hospitals) for illness. Persons are counted only once if readmitted for the same chronic condition during a calendar year. Since the number and rate are derived only from hospitalizations, they do not include all existing cases (prevalence) or new cases (incidence) among residents of Georgia.

Source: Online Analytical Statistical Information System (OASIS) Georgia Department of Community Health, Division of Public Health, Office of Health Indicators for Planning (OHIP). June 16, 2011. <http://oasis.state.ga.us/>

# Summary

Causes of Death



Mortality Rates



Risk Factors



Health Disparities



# Causes of Death

## Leading Causes of Death:

- Heart Disease
- Cancer
- Stroke
- Unintentional Injuries (MV Deaths)

## Mortality Rates:

- Cardiovascular Disease: Impact on Hospital Costs
- Cancer Mortality: 79 % of All Smoking Related Cancer Deaths
- Infant Mortality
- Diabetes
- Motor Vehicle Crashes and Violent Deaths



# Key Risk Factors

- Smoking
- Alcohol and Illicit Drug Use
- Sexual Activity
- Physical Inactivity
- Obesity
- Diabetes
- Low Birth Weight



# Health Disparities

- Race:
  - Infant Mortality
  - Heart Disease (CVD, Stroke, Hypertensive HD)
  - Diabetes, Suicides, Homicides, HIV/AIDS
- Sex:
  - Lung Cancer
  - Motor Vehicle Deaths
  - Suicide



# Where do we go from here?

- DPH PRIORITIES:
  - OBESITY REDUCTION
  - TOBACCO CESSATION
  - INFANT MORTALITY REDUCTION
  - IMPROVED IMMUNIZATION RATE

# Thank You

Causes of Death



Mortality Rates



Risk Factors



Health Disparities

