

# Community Dissemination of Health Assessment 2007

Iredell  
County  
Health  
Department

Iredell  
County  
Healthy  
Carolinians




*A community organization of residents working together, emphasizing preventive health practices to improve the quality of life and health status of all individuals*

# Why?

- A Community Assessment Document and the Community Health Action Plan are required of county public health departments by the State.
- Healthy Carolinians Partnerships are required to complete a community assessment as part of the certification process.
- Purpose: to identify factors that affect the health of a population and determine the availability of resources within the community to adequately address these factors

# What is the process?

- Determine the Community Assessment Team
- Analyze the County Health Data Book (State Data)
- Collect Community Data (Survey Data)
- Combine Your Survey Data with Your State Data
- Create the Community Assessment Document
- Report to the Community 
- Select Health Priorities
- Develop the Community Health Action Plan

# Healthy People 2010

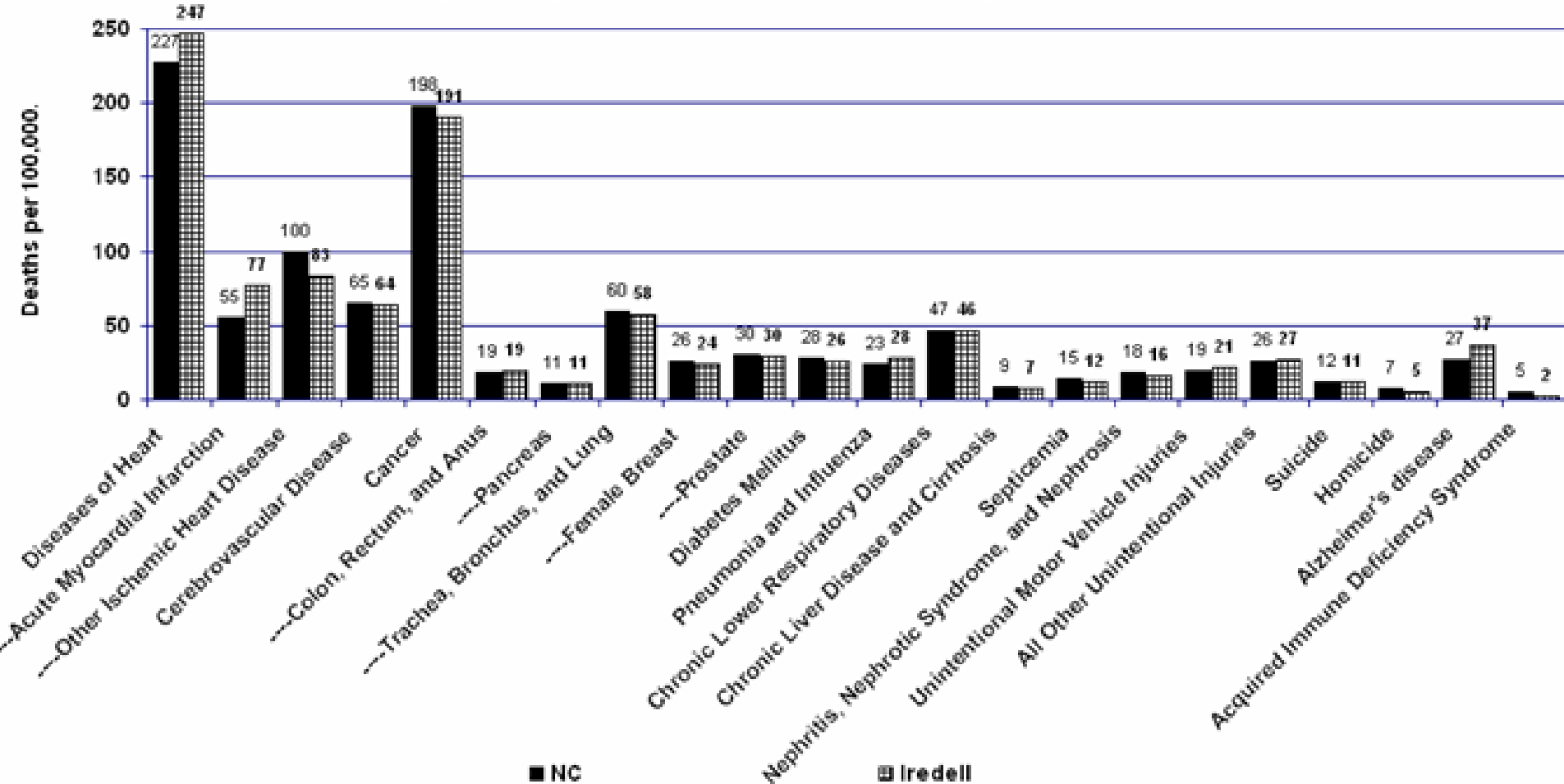
- Increase the span of healthy life of residents
- Remove health disparities among the disadvantaged
- Promote access to preventive health services
- Protect the public's health
- Foster positive and supportive living and working conditions in our communities
- Support individuals to develop the capacities and skills to achieve healthy living

# Statistical Review

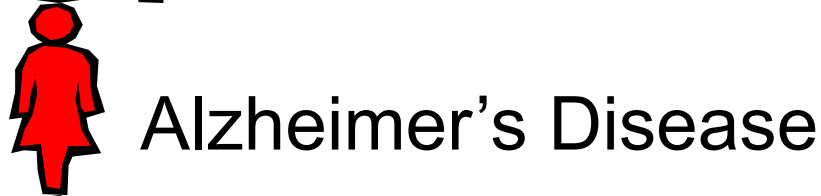
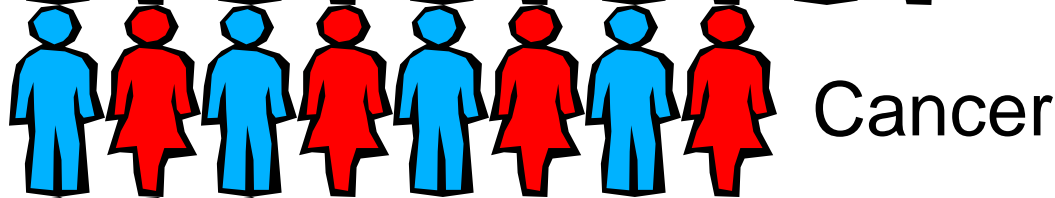
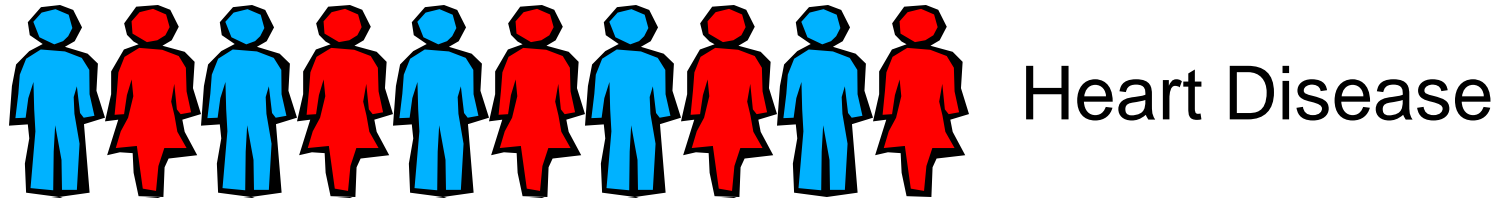
- NC State Center for Health Statistics
- LINC
- City-Data.com
- US Census
- CDC's Youth Behavioral Risk Survey
- Scorecard.org
- Department of Environment and Natural Resources

# What is Killing Us?

Mortality Rate by Cause in NC and Iredell County from 2000-2005

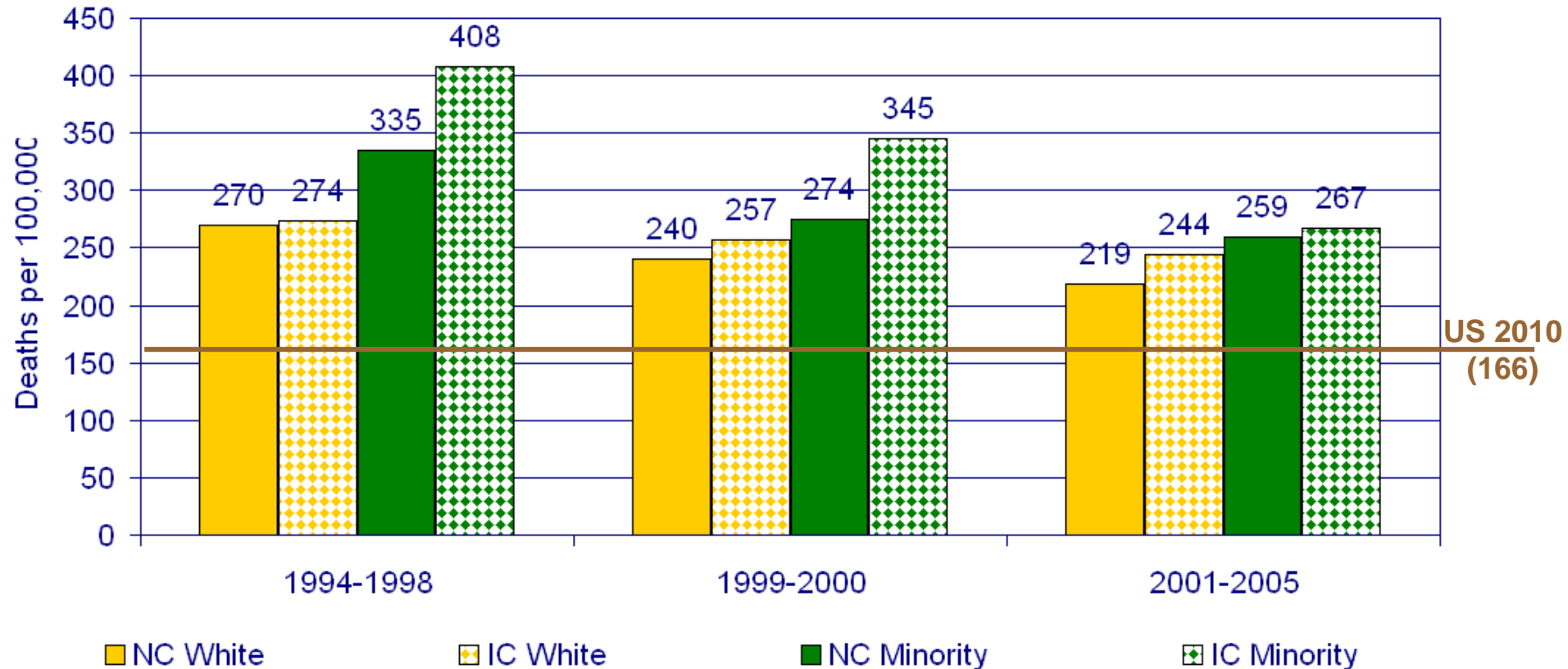


# Out of Every 25 Iredell Residents



# Heart Disease Success! (Somewhat)

Adjusted Death Rates from Diseases of the Heart by Race

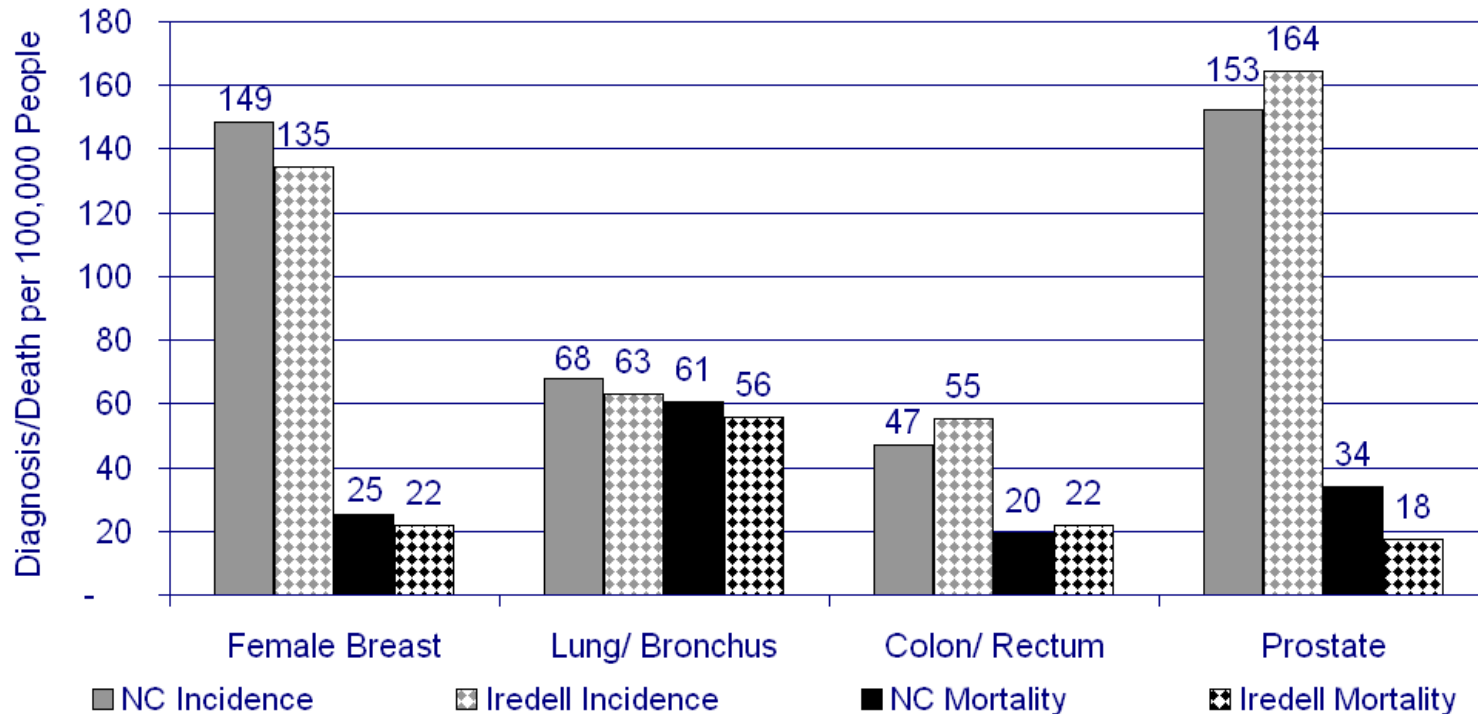


**Success:** In the past there has been a strong disparity by race, especially in Iredell. The gap has closed significantly in the most recent years.



# Cancer: New Cases Vs. Deaths

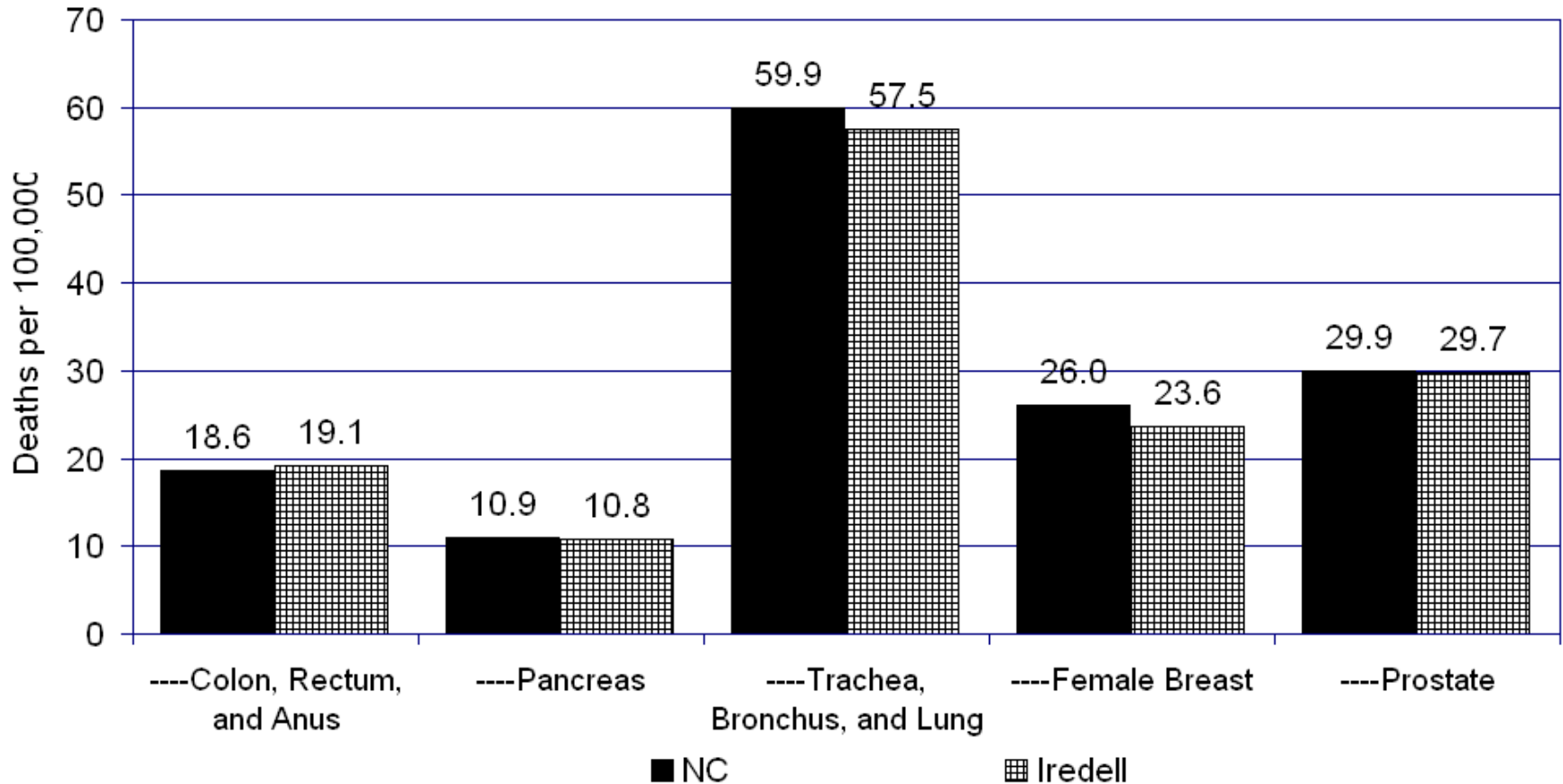
Incidence Versus Mortality of Leading Cancers in NC and Iredell County by Year



Prostate and Breast cancers have high survivability and perhaps not coincidentally fairly inexpensive and non-invasive screening tools. Lung and colon cancers are not as common but the newly diagnosed cases vs. deaths are a much closer match.

# Lung Cancer Responsible Party

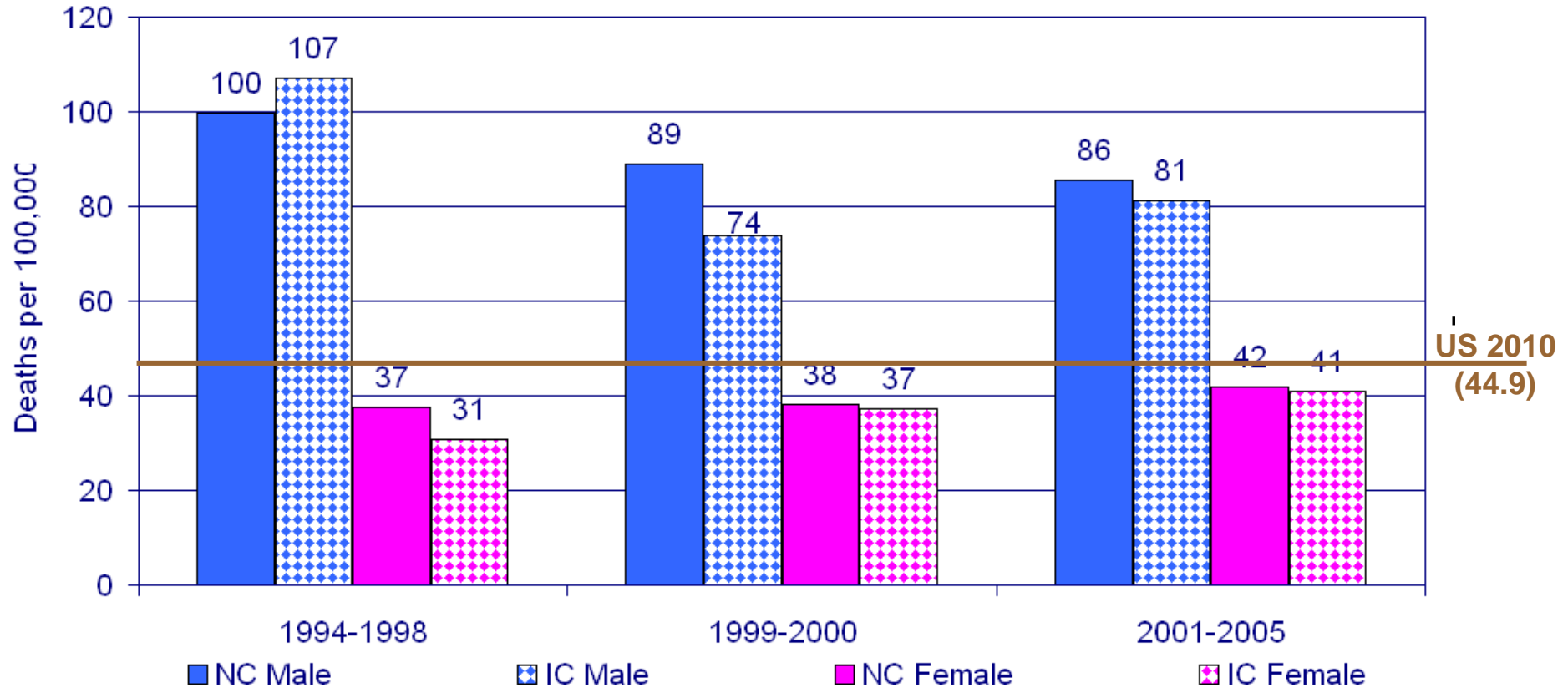
Mortality Rate Among Cancers in NC and Iredell County from 2001-2005



Iredell is catching up to NC in newly diagnosed cases per 100,000 people of lung cancer. (Incidence not shown.) It is by far the most common cancer death in Iredell.

# Lung Cancers Prefer Men

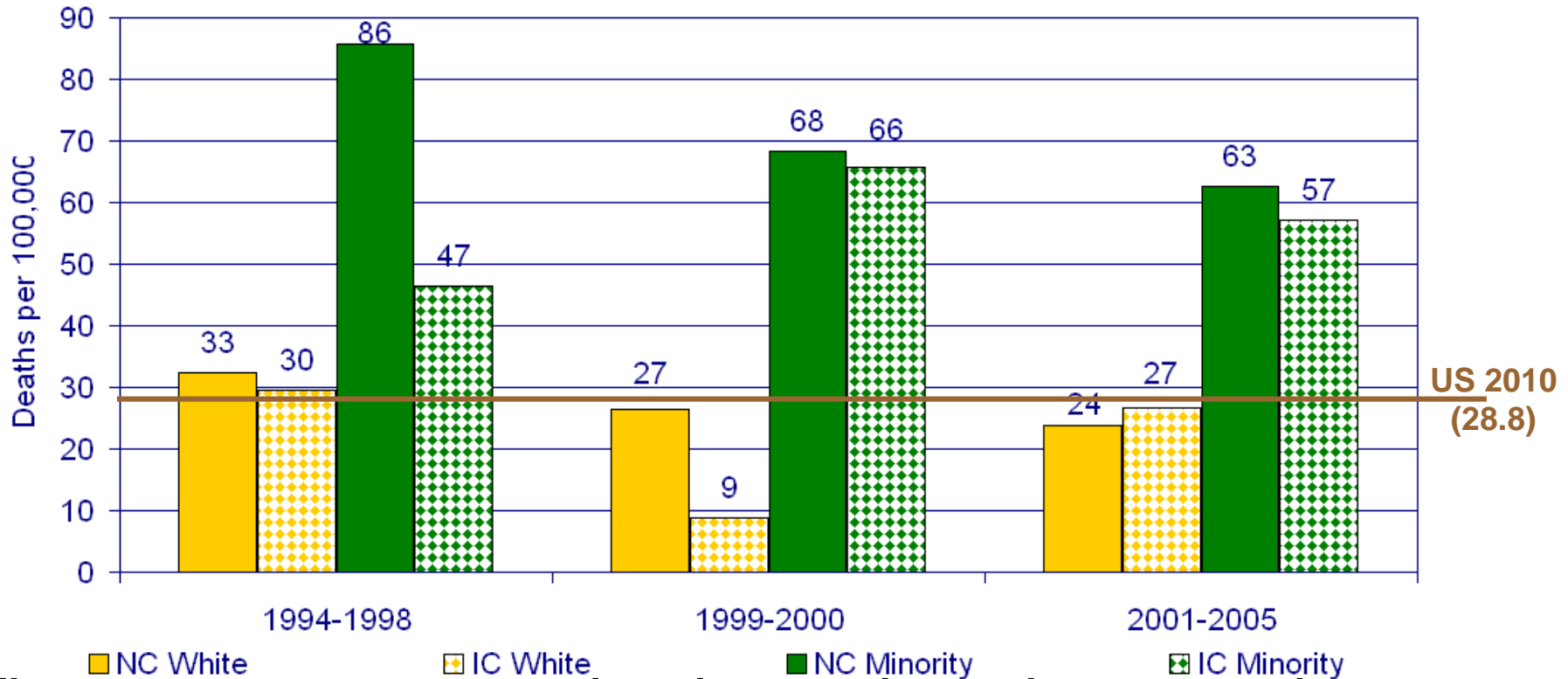
Adjusted Death Rates from Cancer of the Trachea, Bronchus and Lung by Gender



The Iredell lung cancer death rate is lower than NC's. Males are still dying at twice the rate as females. There is not much difference by race.

# Targeting Prostate Cancer

Adjusted Death Rates from Cancer of the Prostate by Race

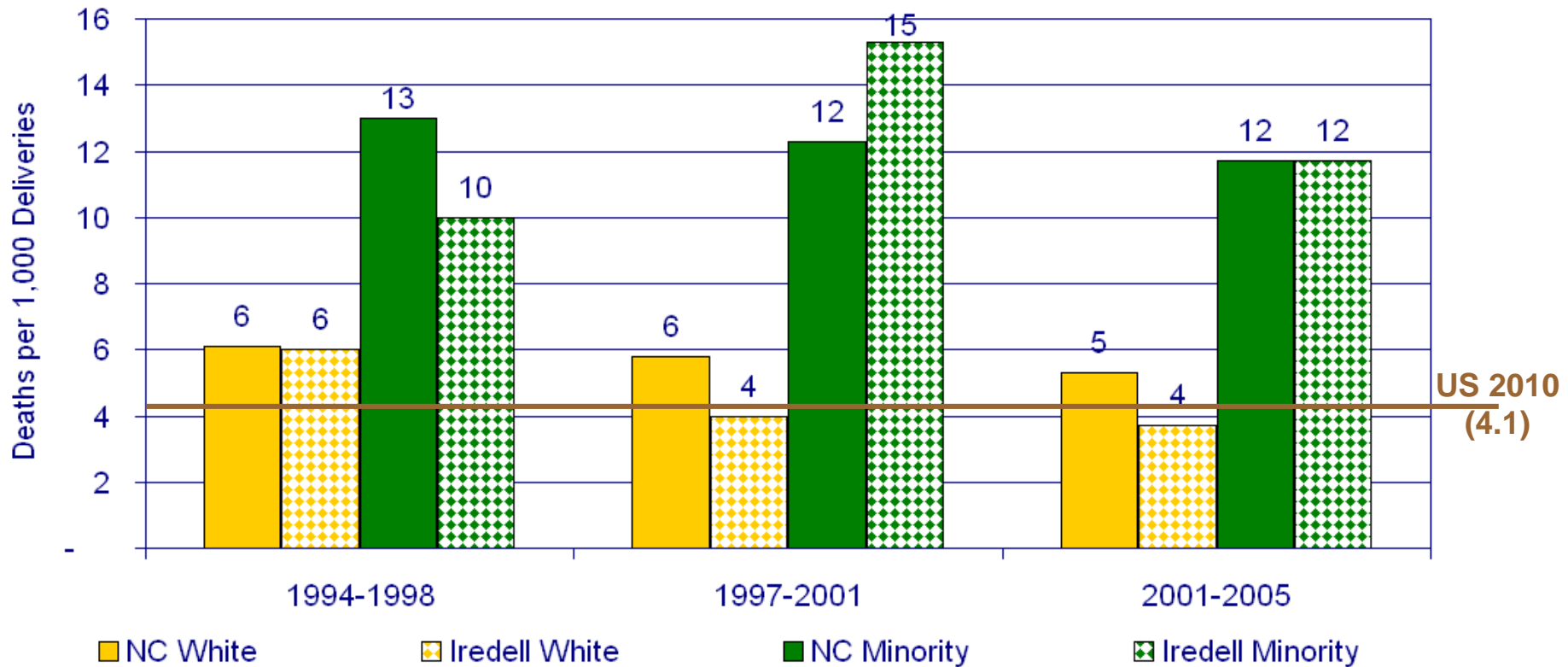


The prostate cancer death rate has decreased across NC but not in Iredell. In fact, the death rate among minorities has increased since 1994 whereas the rate among whites has dropped a little.

# Starting Off On A Disadvantaged Foot

# Disparities Before Birth

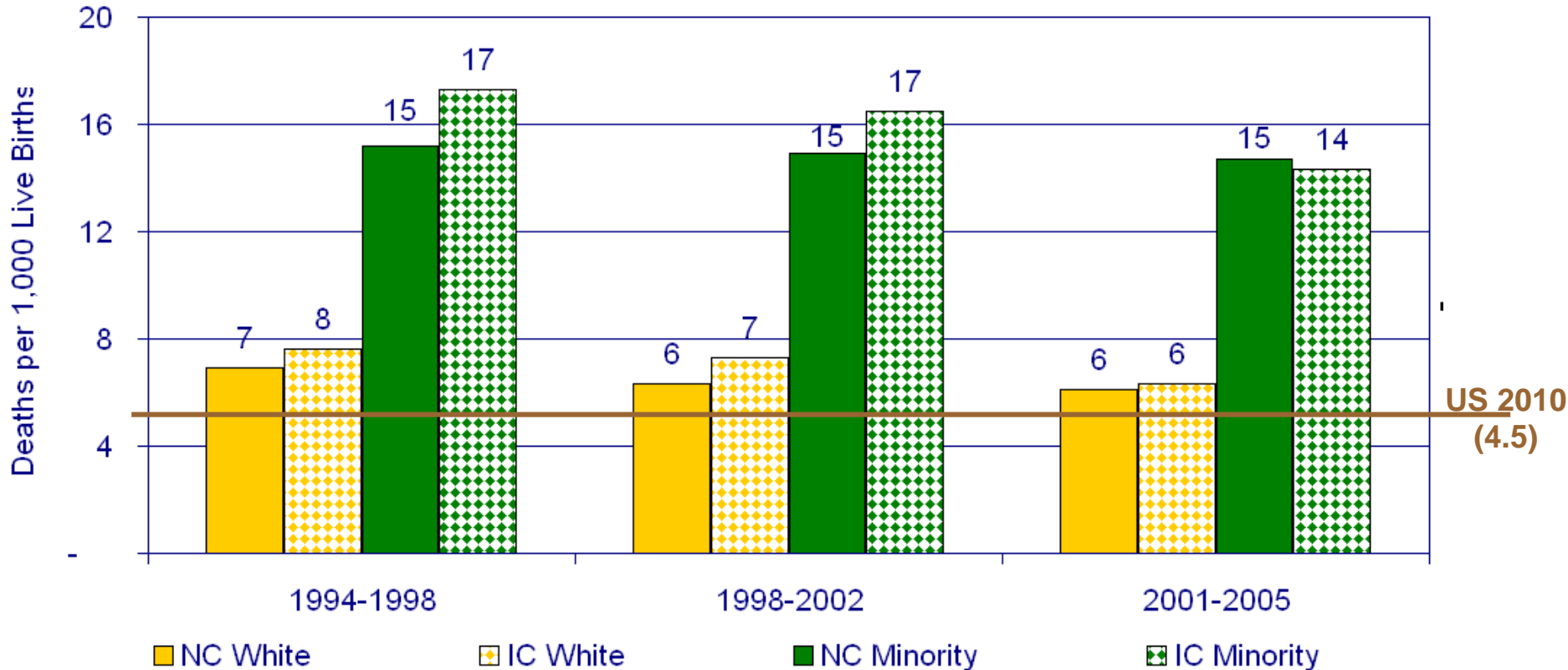
Rate of Fetal Death per 1,000 Deliveries In NC and Iredell County in Year Ranges



There are fewer fetal deaths per pregnancy in Iredell than NC, but it is because of whites. There actually has been an increase over the past decade in fetal deaths in Iredell minorities.

# Disparities “Out of the Box”

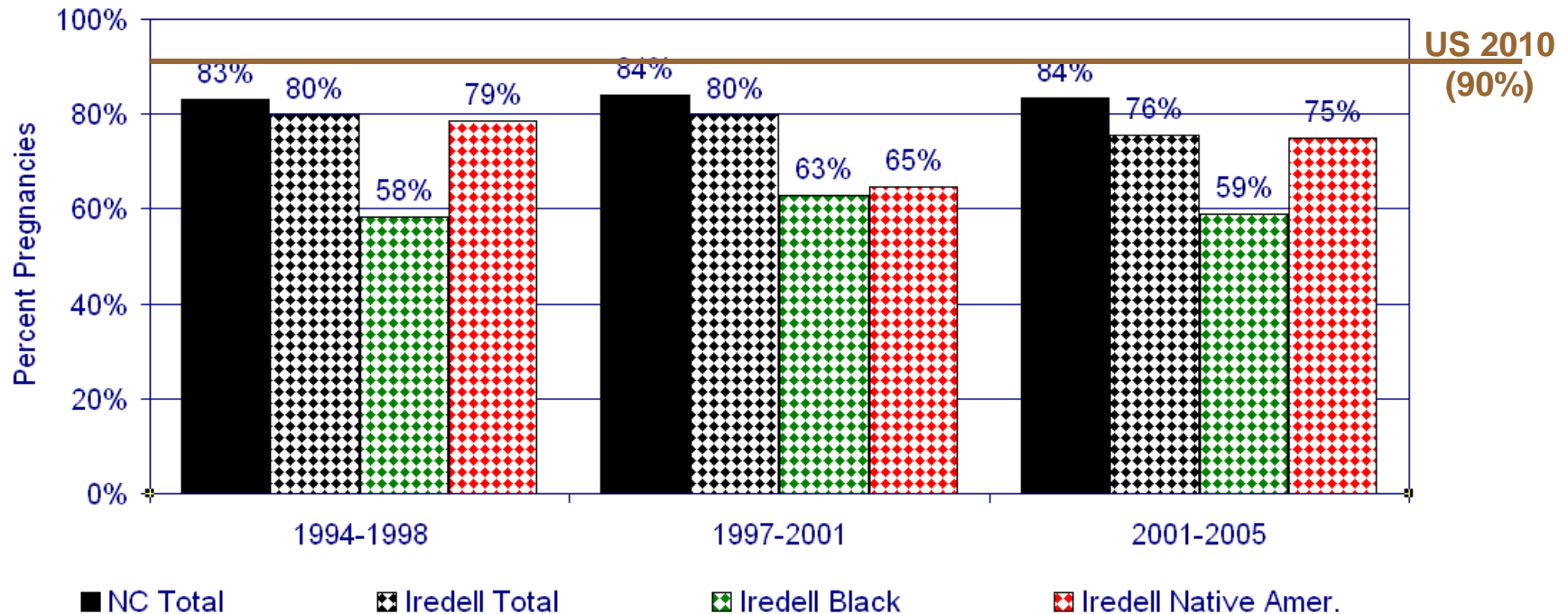
Death Rate for Infants 0 to 1 Year in NC and Iredell County By Race in Year Ranges



There have been fewer infant deaths (0-12 months).  
 The disparity between whites and minorities remains **15**

# Disparity: Prenatal Care

Percent of Pregnant Women Receiving Prenatal Care in the First Trimester in NC and Iredell County by Race in Year Ranges

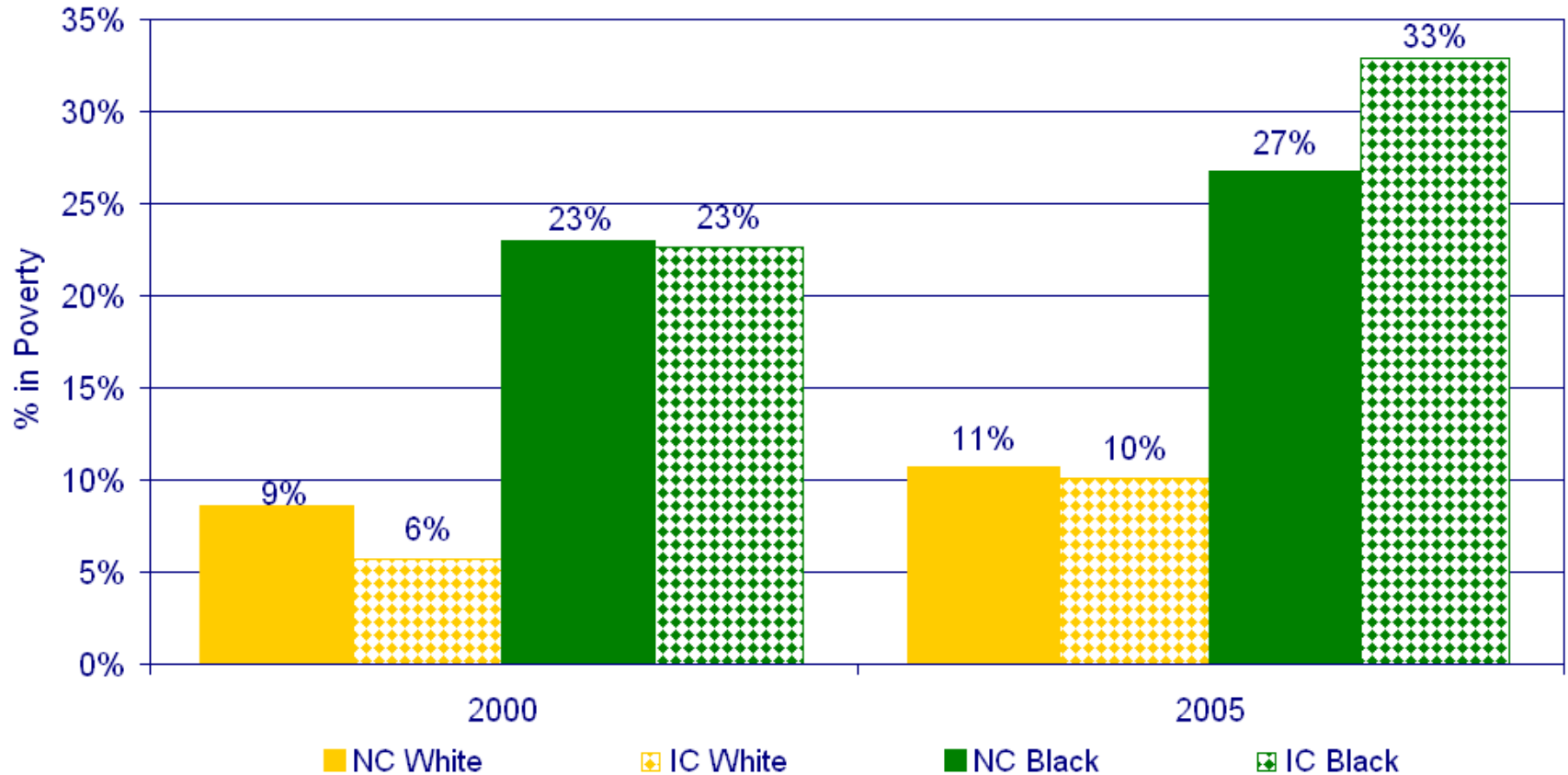


Iredell residents begin prenatal care early (80%) less often than NC residents (84%). Iredell Native Americans begin early care a little less often; but Black-Americans have been receiving early prenatal care at **around 60%** since 1994.



# Poverty Has Grown Differently

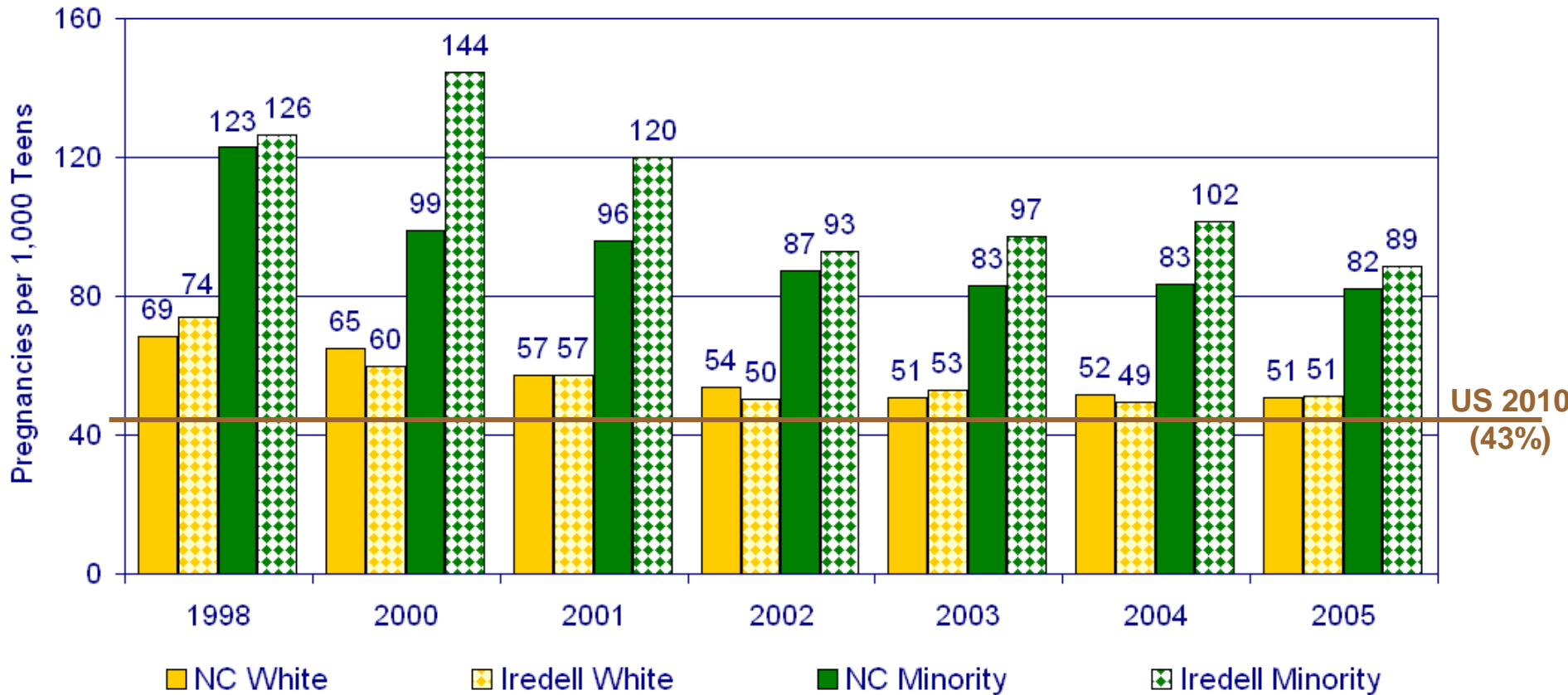
% of People in Poverty In NC and Iredell County By Race in 2000 and 2005



Poverty has increased. In 2005, approximately 1 of every 3 Black-Americans in Iredell was in poverty versus 1 of every 10 Whites.

# Teen Pregnancies

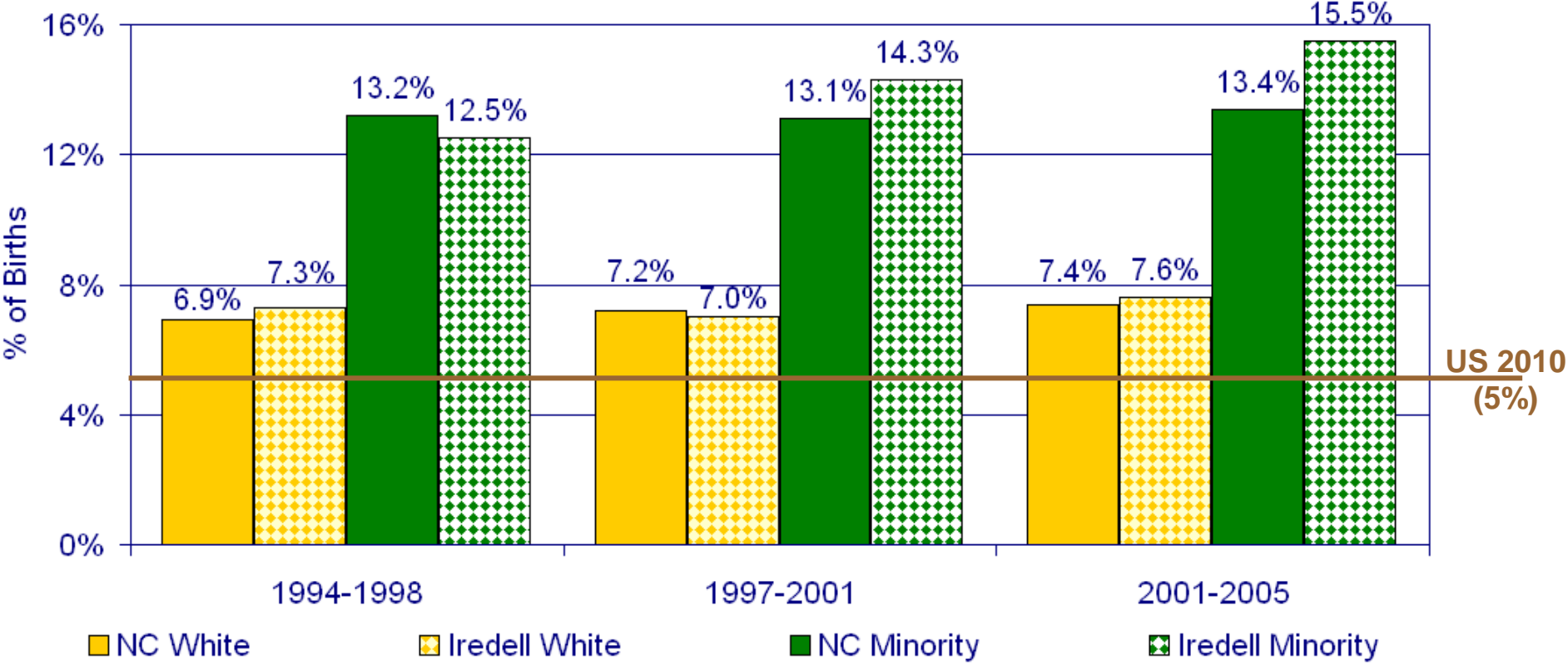
Rate of Teen Pregnancies in NC and Iredell County by Race 1998, 2000-2005



The RATE of teen pregnancies (pregnancies per 1,000 15-19 year old girls) has been dropping over the past 6 or so years. The racial gap is closing.

# More Smaller Babies

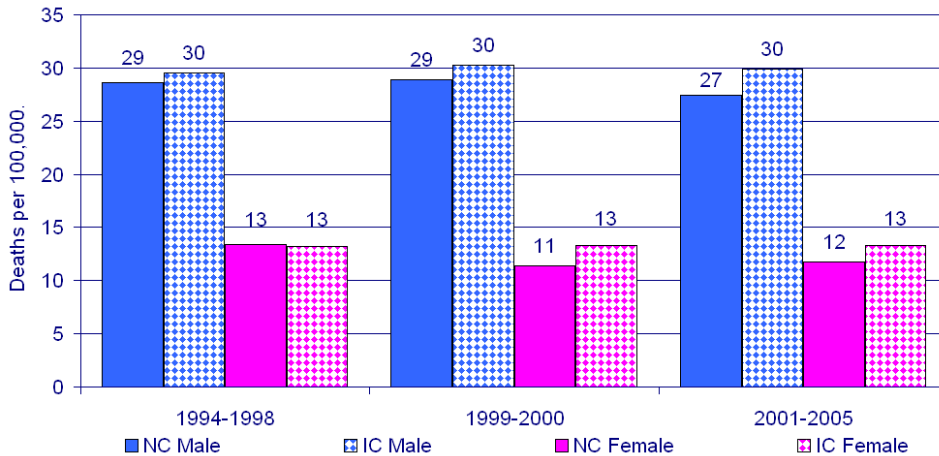
% of Births That Were Low Birth Weight by Race In NC and Iredell County in Year Ranges



Over the past decade there have been more low birth weight babies born, especially among Iredell minorities

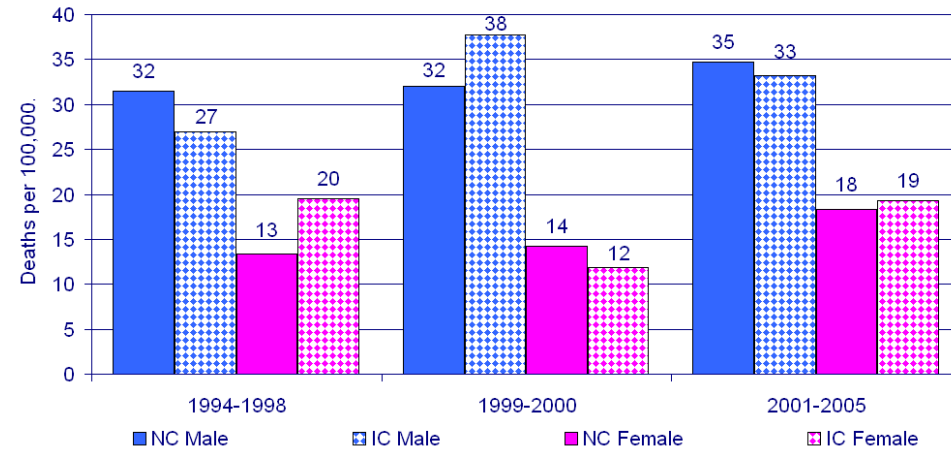
# Injuries Also Prefer Males

Adjusted Death Rates from Unintentional Motor Vehicle Injuries by Gender



## Motor Vehicle Injuries

Adjusted Death Rates from All Other Unintentional Injuries by Gender

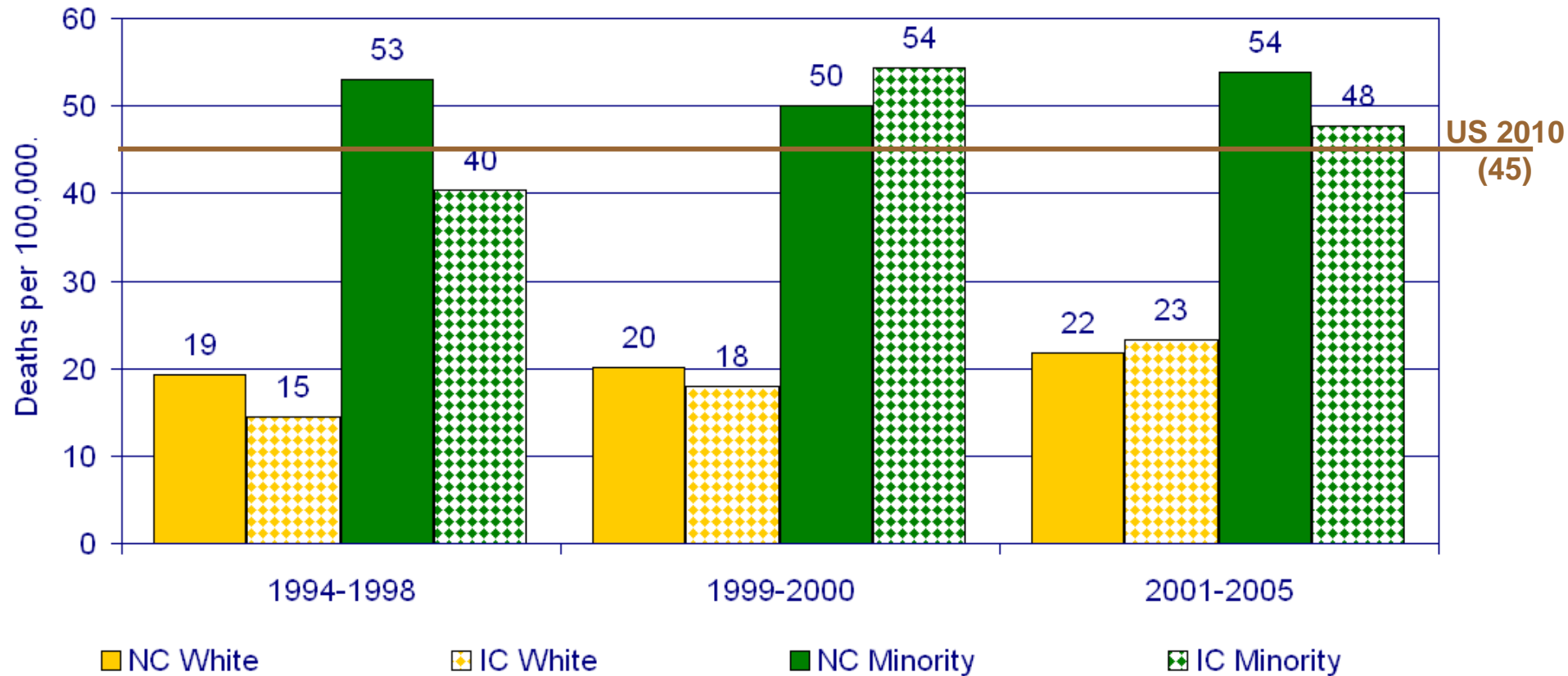


## All Other Unintentional Injuries

Unintentional motor vehicle injury deaths and deaths from all other unintentional injuries are more common in males than females. Iredell also has a rate higher death rate from motor vehicle injuries than NC in both males and females.

# Diabetes Deaths Different

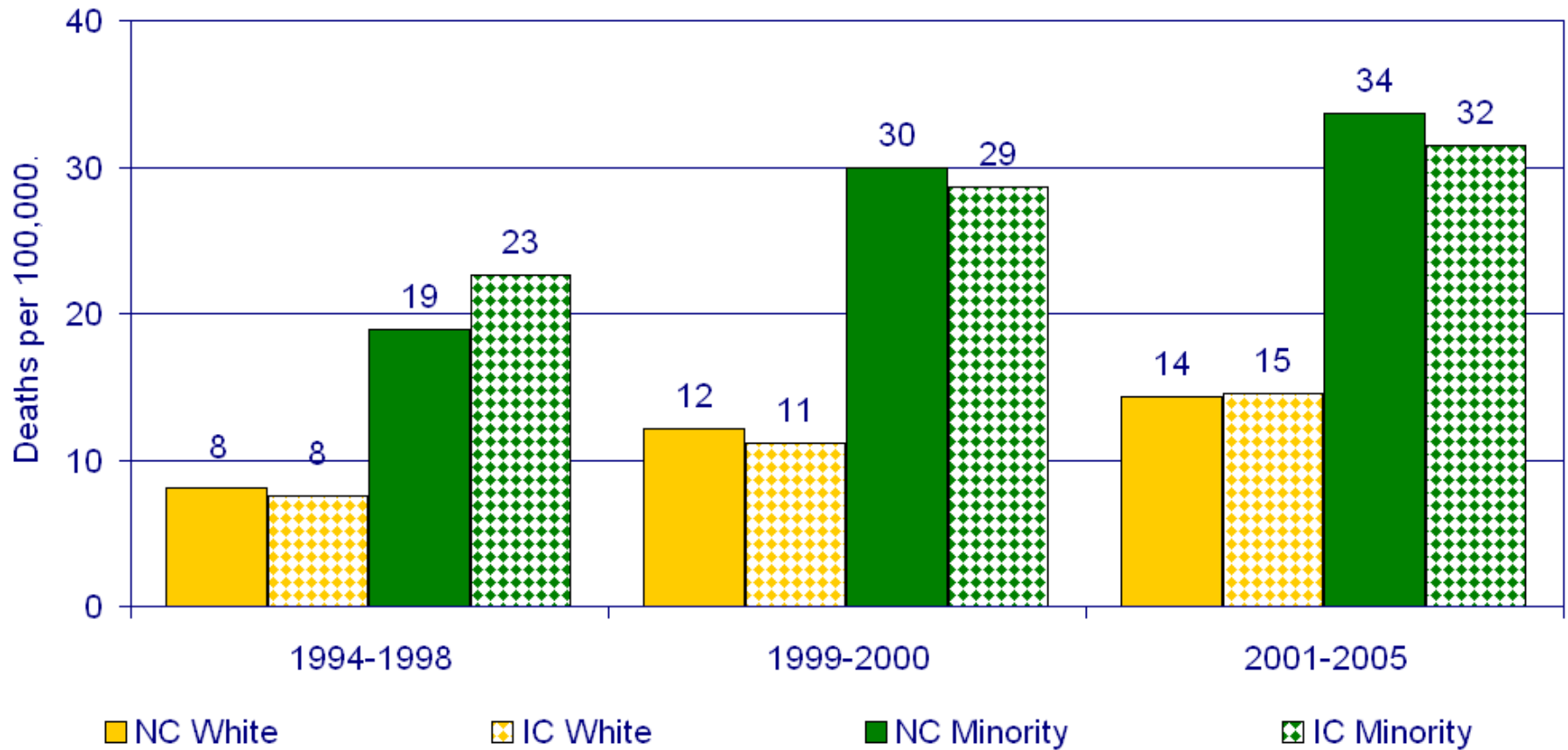
Adjusted Death Rates from Diabetes by Race



The death rate from diabetes is much higher in minorities. The rate has been growing in both whites and minorities in Iredell.

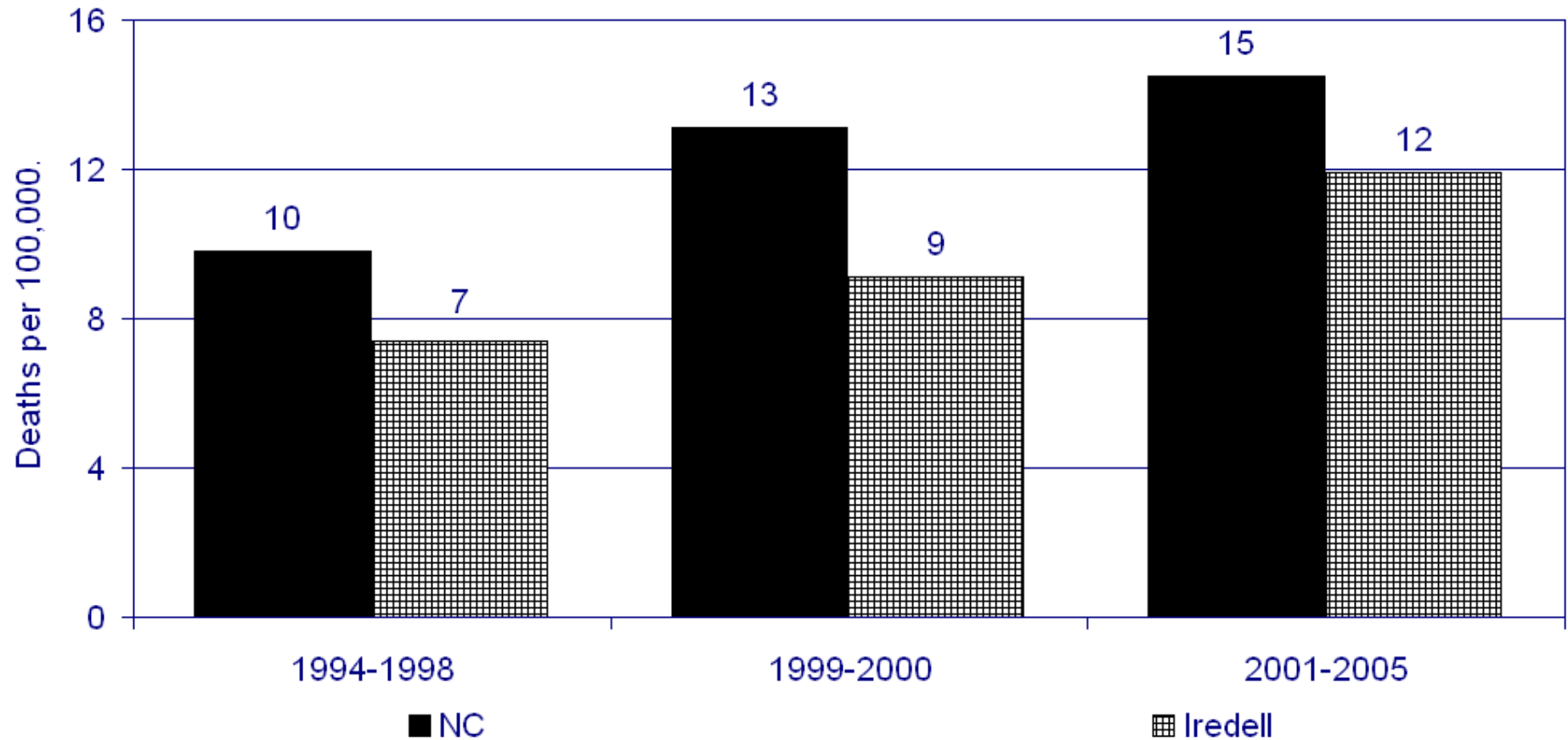
# Nephrotic Diseases Different

Adjusted Death Rates from Nephritis, Nephrotic Syndrome and Nephrosis by Race



Clearly minorities are dying more per 100,000 than whites both in Iredell and across NC.

# Septicemia On The Rise



Iredell has a lower death rate from septicemia than other NC counties but it is a growing problem both in NC and Iredell.

# Adult Survey Distribution

- County Agricultural Fair
- Health Department Staff & Customers
- Partnership for Children
- Take Back the Night
- ASMO
- The Cultural Bridge



# Youth Survey Distribution

- County Agricultural Fair
- Health Department Staff & Customers
- Take Back the Night
- Schools
- Teen Health

# Survey Vs. Iredell Demographics

	<b>Respondents</b>	<b>County Data</b>
Residency	54% Statesville 20% Mooresville	50% Urban 50% Rural
Gender	84% Female 16% Male	51% Female 49% Male
Race	63% White 30% Black 5% Latino	81% White 14% Black 3% Latino
Age	Avg. 42 (18+)	Avg. 36 (all)
Income	Avg. \$30-49,000	Avg. \$44,200
Education – Rather evenly distributed in survey		

# Survey vs. Iredell Demographics

	<b>Respondents</b>	<b>County</b>
Marital Status	27% Never Married 56% Married 13% Divorced 3% Widowed	Varies by age
Household Size	21% 1 person 68% 2 to 4 people 12% 5 or more	Avg 2.6 people
Employment	64% Full-time 12% Unemployed 8% Retired 3% Disabled	5% Unemployment rate 8% on Disability

# Leading Deaths

- Heart Disease
- Cancer
- Stroke
- Chronic Lower Respiratory Disease
- Alzheimer's Disease
- Unintentional Injuries

# Risk Factors

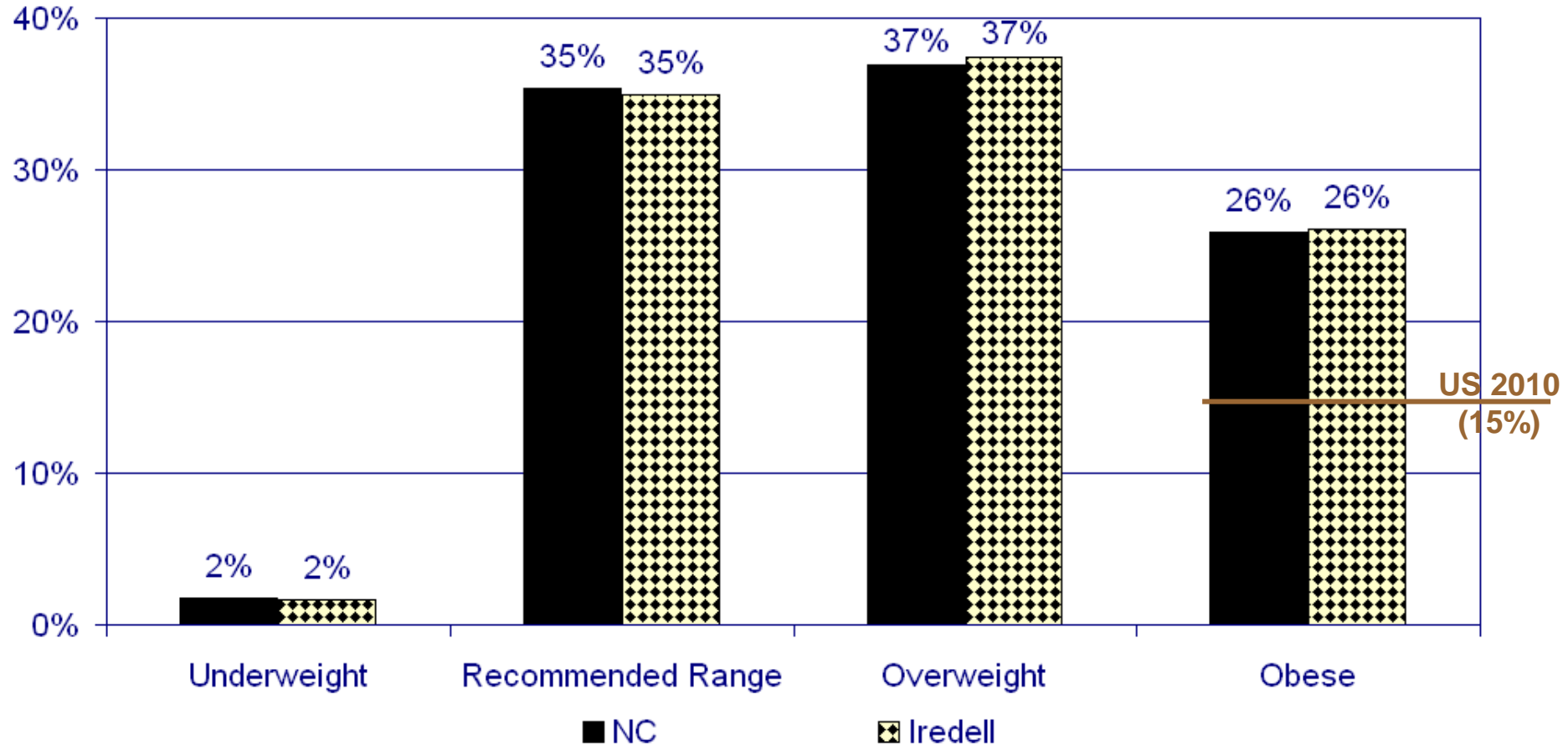
- Genetics
- Gender
- Age
- Physical Inactivity
- Poor Nutrition
- Tobacco Exposure
- Not Using Preventive Health Care

# Survey: Adult Concerns

- Biggest Concerns
  - Obesity
  - Tobacco Use
  - Unsafe Driving
  - Family Violence
  - Elder Care

# Heavy People Are Everywhere

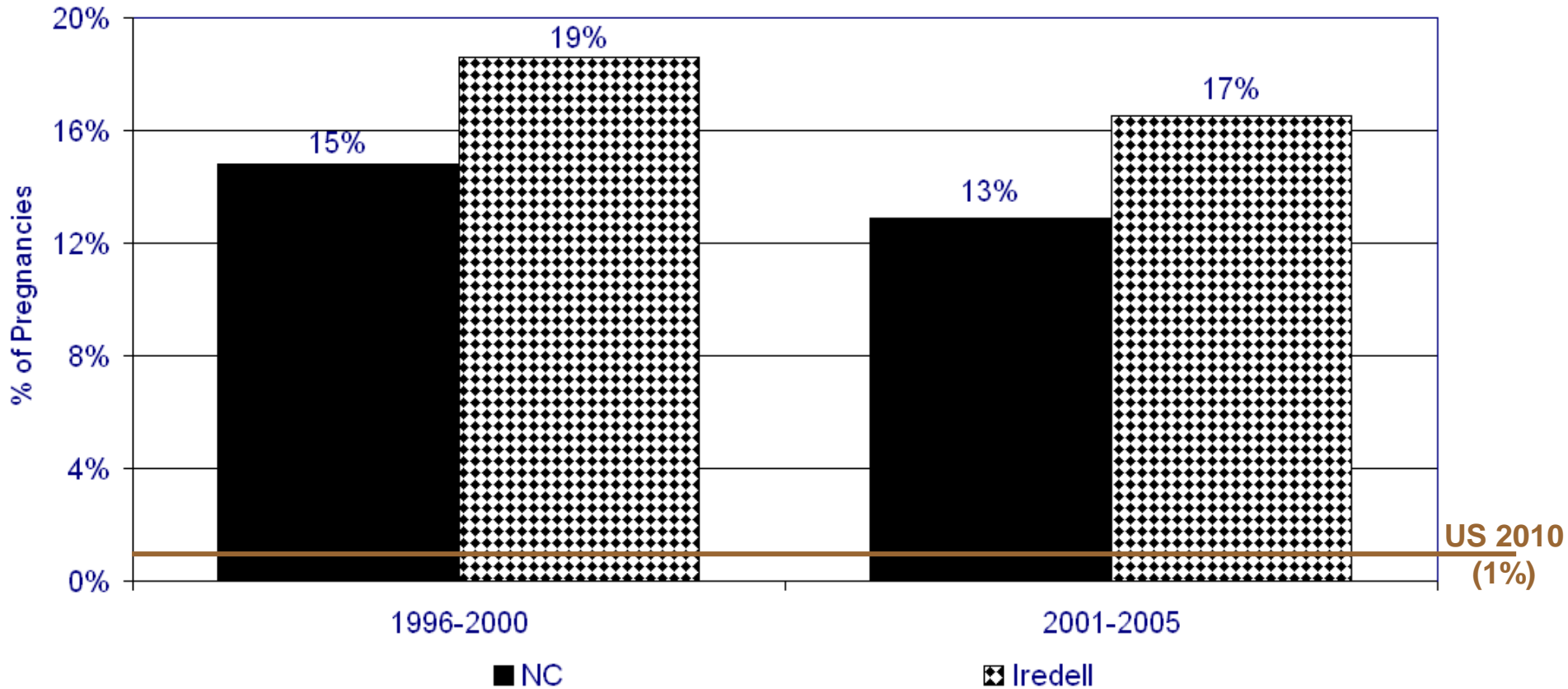
Percent of People by Weight in NC and Iredell by SES



Only 1/3 of the population falls into recommended ranges for weight. It is a national and global problem.

# Prenatal Tobacco Use

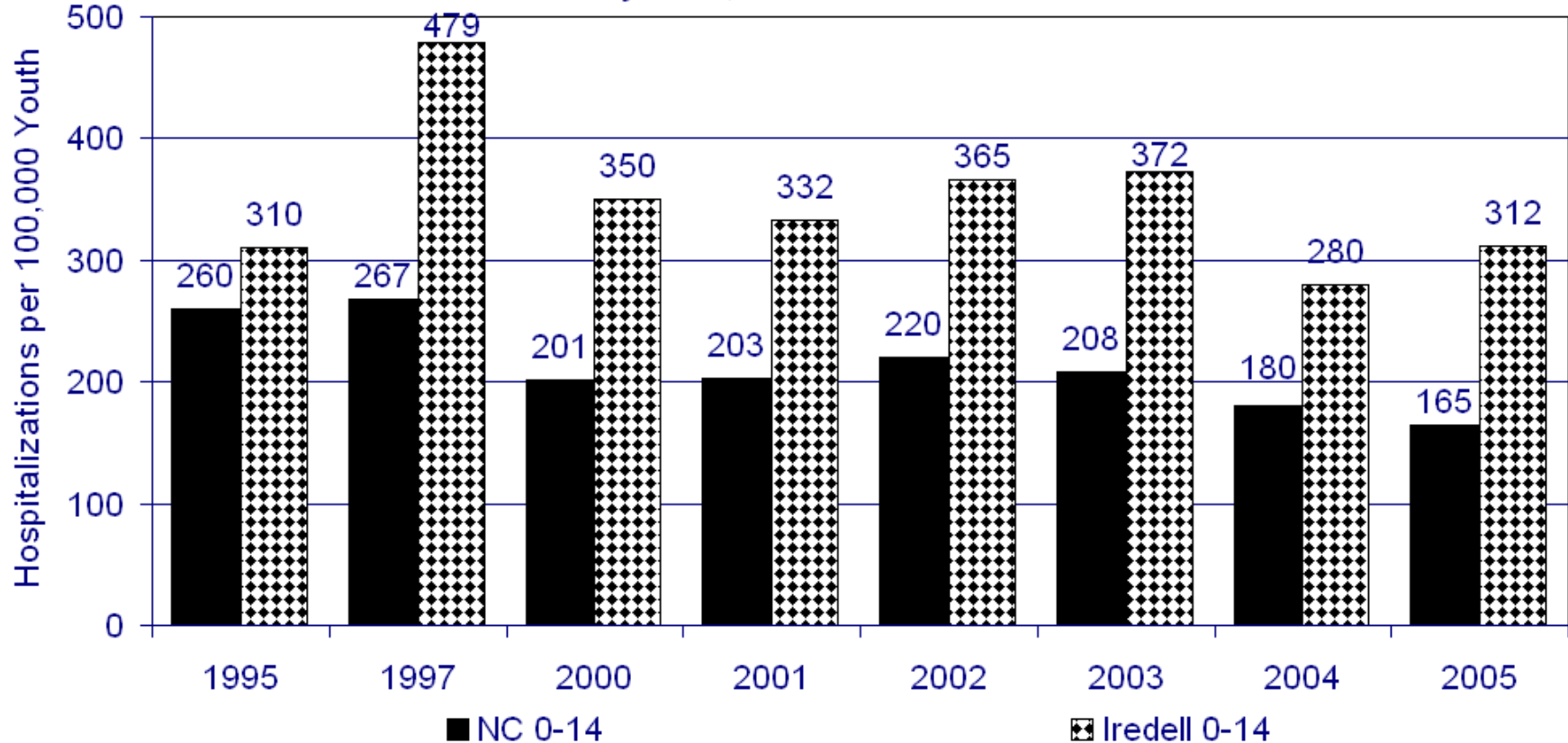
Percent of Women Who Smoked During Pregnancy in NC and Iredell County in Year Ranges



Women smoking during pregnancy has been on the decline, but Iredell women still smoke more often.

# Asthma Worse For Iredell Youth

Asthma Hospitalization Rate Among Youth Ages 0-14 in North Carolina and Iredell County 1995, 1997 and 2000-2005



Hospitalizations from asthma in Iredell youth 0-14 has been dropping but continues to be well above the state



# Family Violence Toward Children

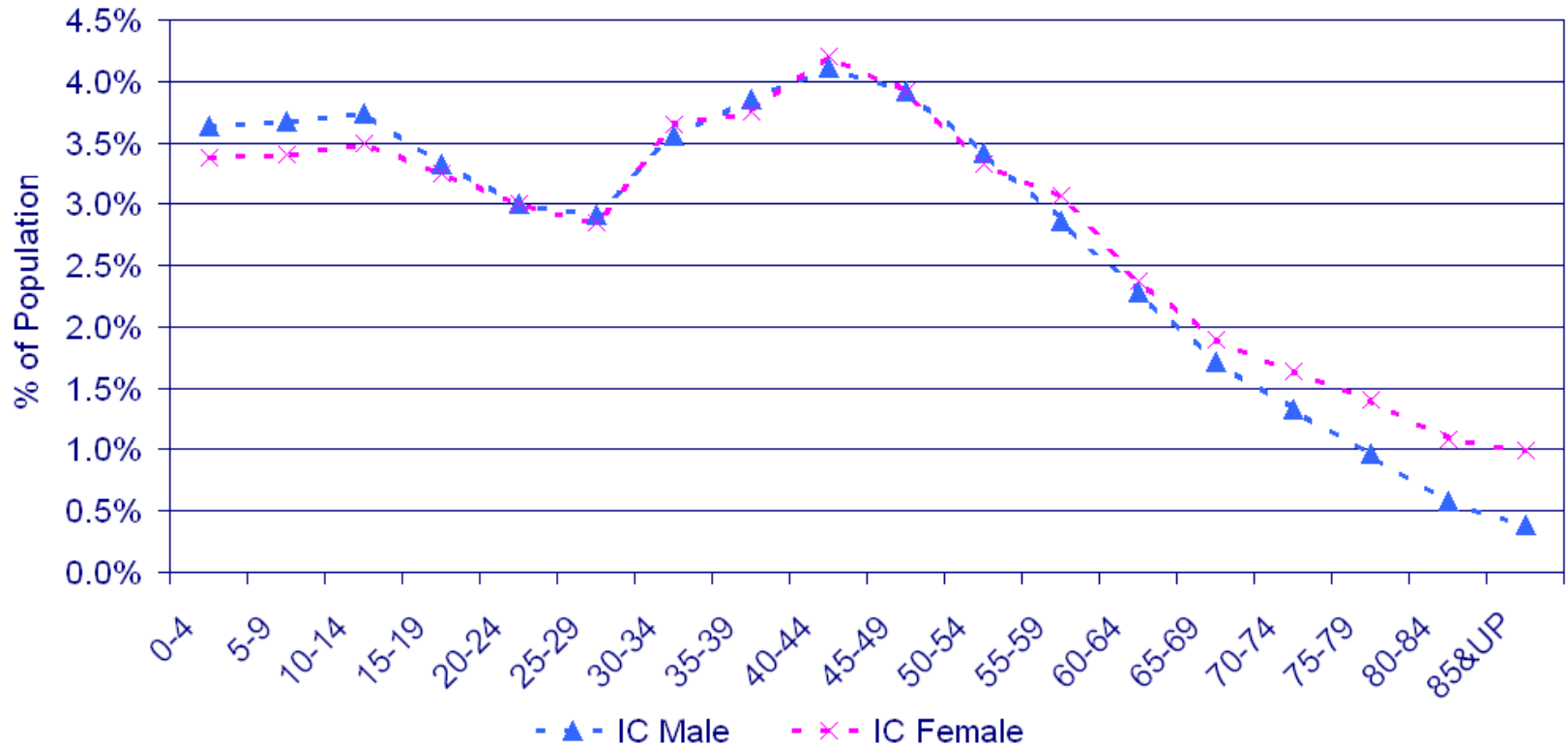
The number of substantiated cases of child abuse and neglect per year.

2000	11
2001	15
2002	30
2003	12
2004	19

In Iredell County 2002 was a peak year for child abuse. North Carolina, by contrast, reported the lowest number of substantiated cases of child abuse and neglect for the past 5 years in 2002. The Iredell County Child Fatality Task Force receives funds to address child fatality.

# Young Boys and Older Women

Estimated 2005 % of Population by Gender in Iredell County



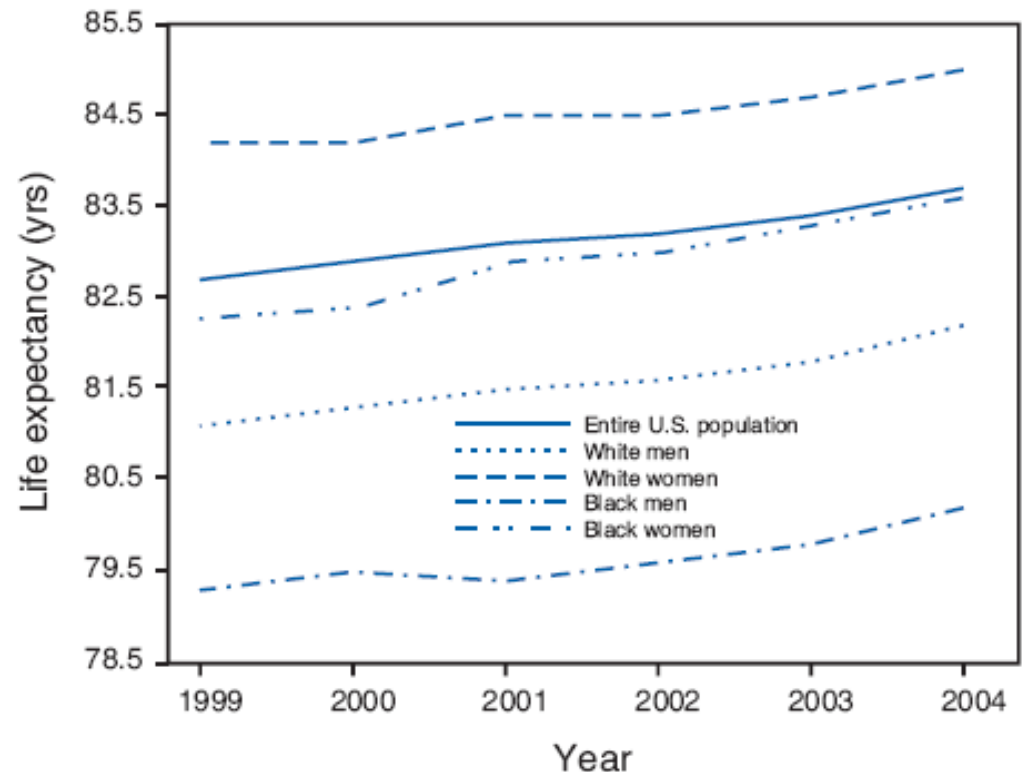
As seen throughout the US, there are more women living in older age brackets than men. Interestingly, there are an estimated 300 more males ages 0-4 and 5-9 than females but then the gap begins to decrease.

# You Can Expect To Live Longer

## QuickStats: Life Expectancy at Age 65 Years, by Sex and Race --- United States, 1999--2004

Life expectancy at birth has increased from:

- 70 years in 1955
- 76 years in 1995
- 78 years in 2005



If you make it to age 65, you may live another 17 years, depending on your race and gender.

# Survey: Adult Concerns

<b>Health Topic</b>	<b>Groups Most Concerned</b>
Access to Care	Higher Education
Drug Use	Low Income
Childcare	Whites Higher Income
Physical Inactivity	Women Higher Education
Random Violence	Non-Whites
“Safer Sex”	Men Non-Whites Lower Income
Sex and Pregnancy	Youth

# Survey: Adult Concerns

- Least Concern:
  - Access to Recreational Opportunities
  - Food Safety
  - Safe Driving Enforcement

# Survey Highlights: Youth

- Top Concerns:
  - Pregnancy
  - Nutrition
  - Stress
  - Depression
  - Sexual Health Issues

# In Summary

- After reviewing everything, the Community Assessment Team ranked the top diseases/ conditions and then the top behaviors or life circumstances, representing what the survey data suggested and what the state data indicated.

# Worst Diseases/ Conditions

<b>Statistics</b>	<b>Survey</b>
1. Obesity/ Overweight	1. Tobacco/ Alcohol Use
2. Heart Disease	2. Street/ Rx Drug Use
3. Lung Cancer	3. Mental Health
4. Diabetes	4. Aging Problems
5. Asthma	5. Infectious Disease
6. Prostate Cancer	6. Asthma
7. Dental Health	7. Obesity/ Overweight



# Worst Behaviors/ Circumstances

<b>Statistics</b>	<b>Survey</b>
1. Poverty	1. Domestic Violence
2. Inadequate Health Insurance	2. Elder Violence
3. Unemployment/ Low Wages	3. Child Abuse
4. Alcohol & Tobacco Use	4. Violence
5. Sedentary Lifestyle	5. Poor Eating Habits
6. Poor Eating Habits	6. Lack of Services/ Facilities
7. Street/ Rx Drug Abuse	7. Lack of Transportation Services

# Next Steps

- Expand Membership
  - New Partners
  - New Coalitions
  - New Funds
- Prioritize Health Issues according to:
  - Feasibility
  - Resources
  - Potential Impact
- Develop a Community Health Action Plan