

Addressing Disparities in Childhood Obesity, Part 1

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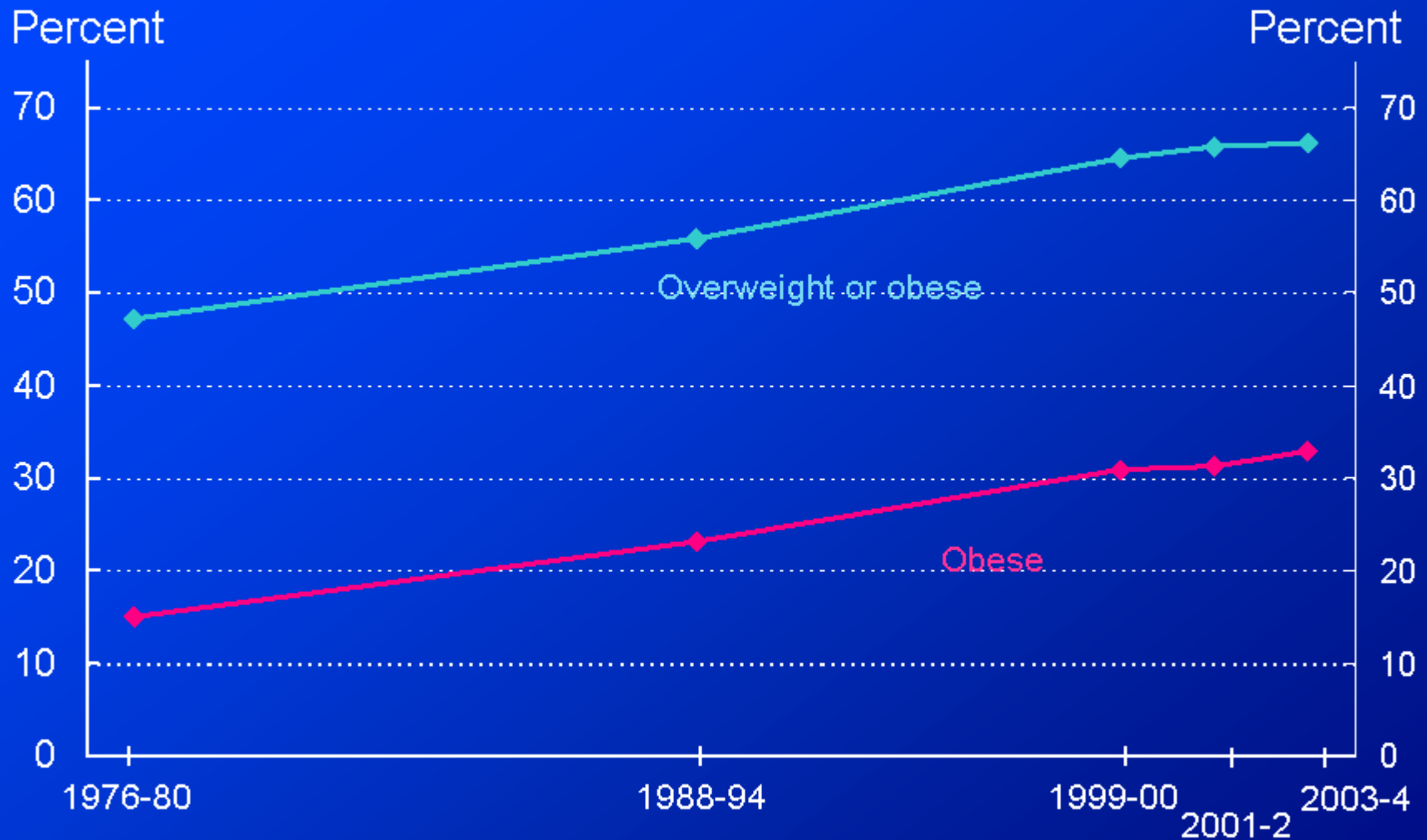
Floating Hospital for Children

at Tufts Medical Center

Overview

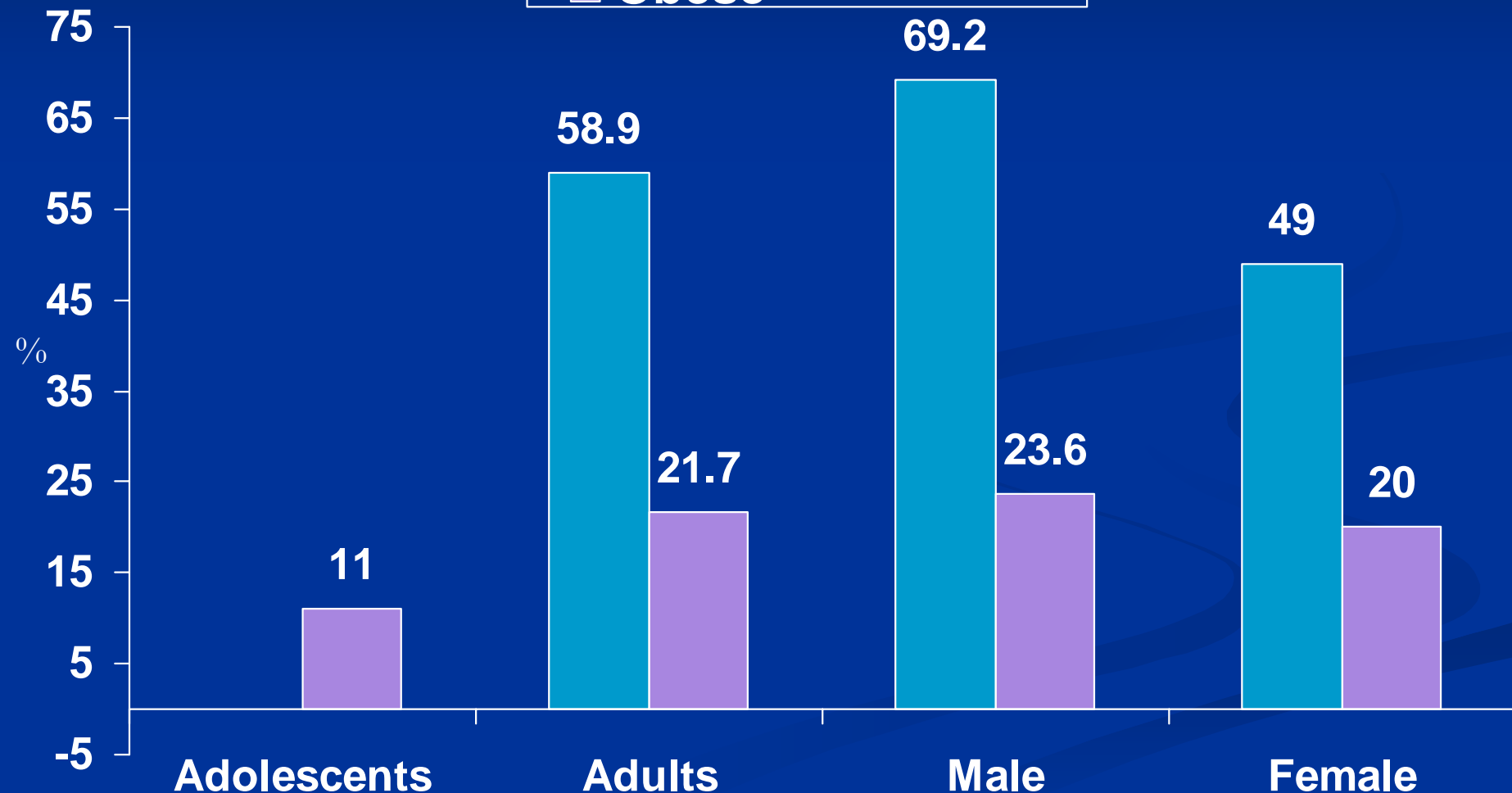
- Present information of obesity disparities
- Talk about meaning and causation
 - intersectionality
- Goal: leave you with a framework for Lisa's presentation and hopefully, for future discussion

Trends in Adult Overweight and Obesity Ages 20-74 years, NHANES



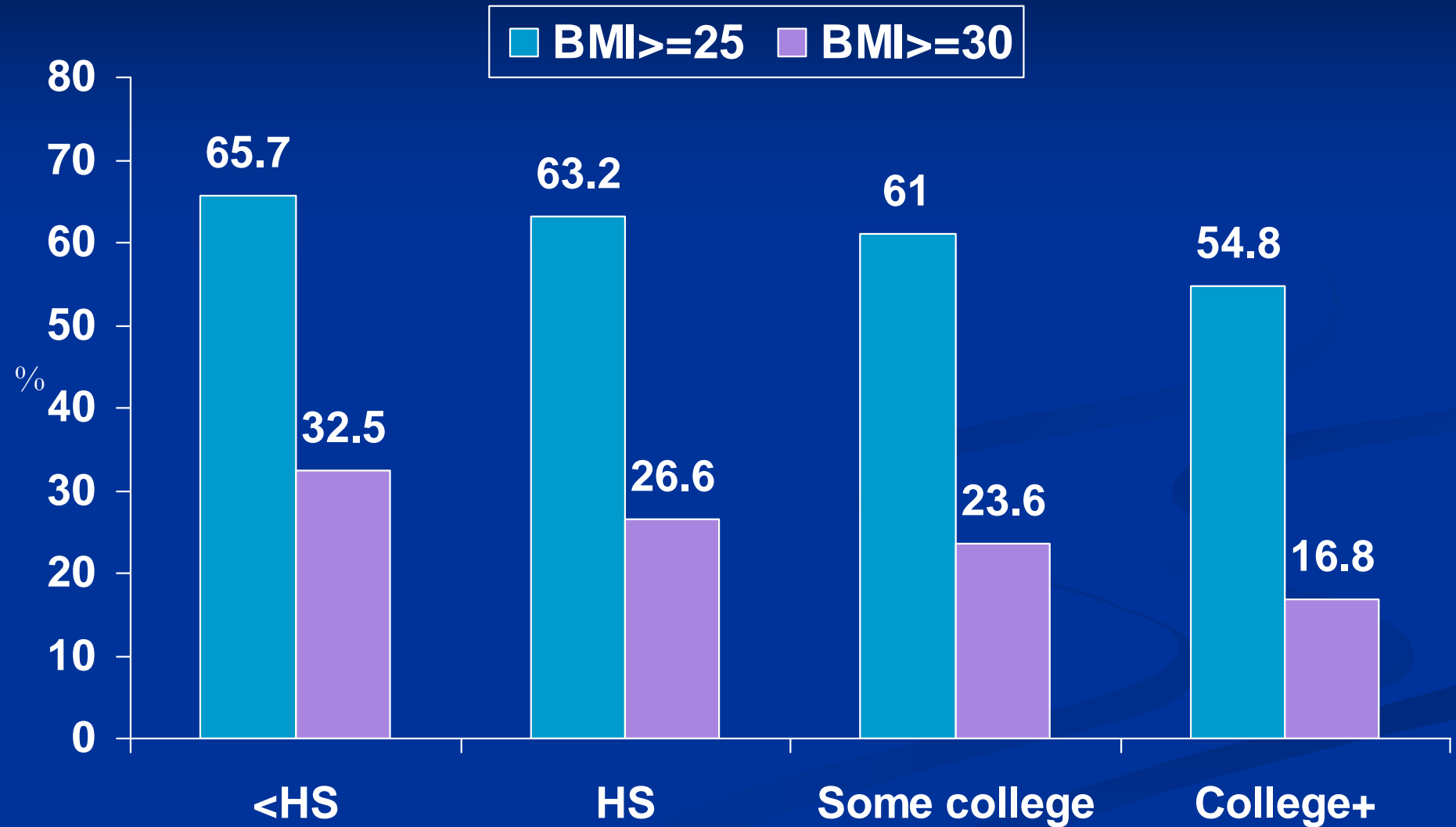
Note: Age-adjusted by the direct method to the year 2000 US Bureau of the Census estimates using the age groups 20-39, 40-59 and 60-74 years. Overweight defined as BMI \geq 25; Obesity defined as BMI \geq 30.

Overweight and Obesity in MA: BRFSS 2007

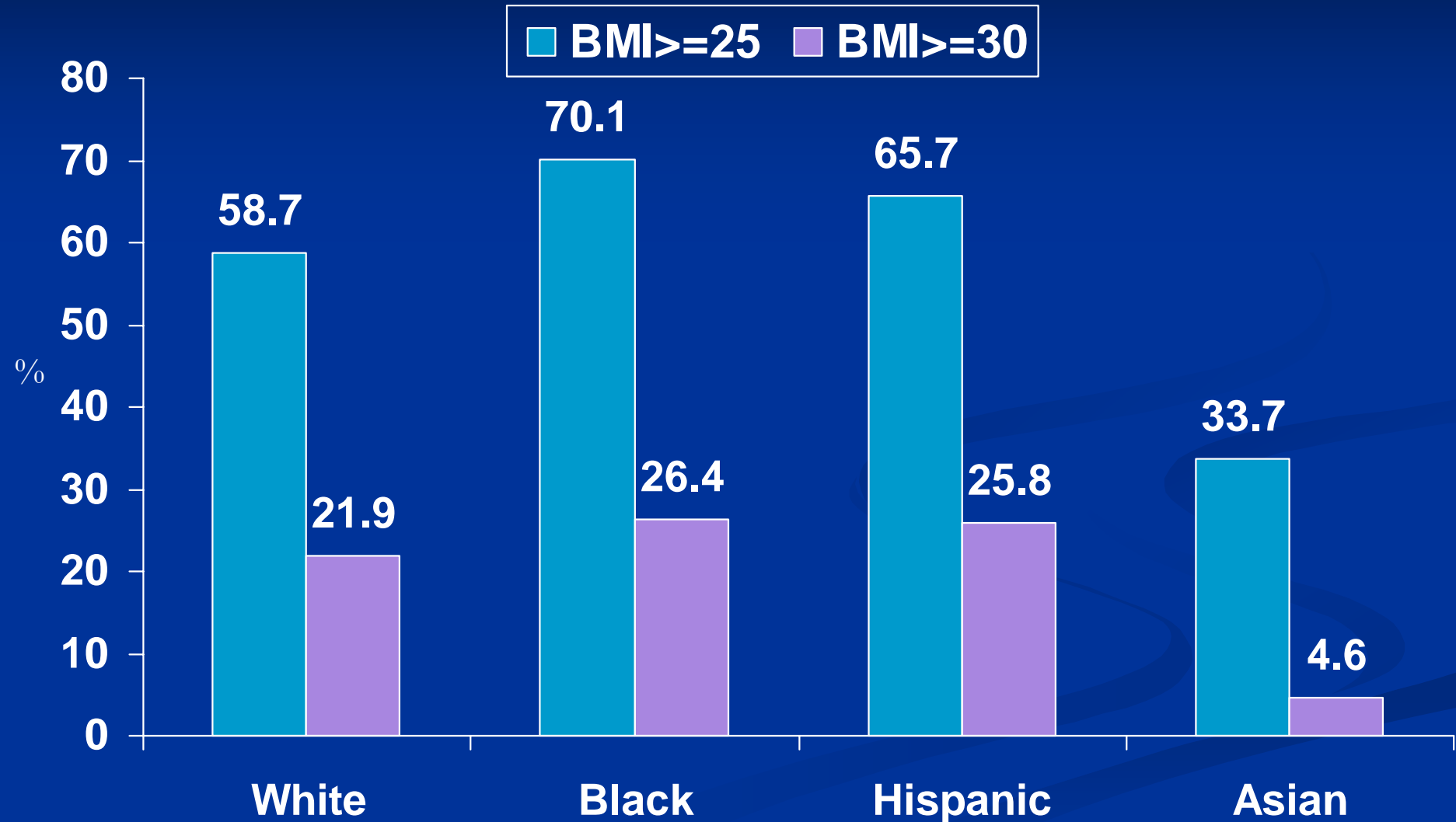


Source: Massachusetts DPH

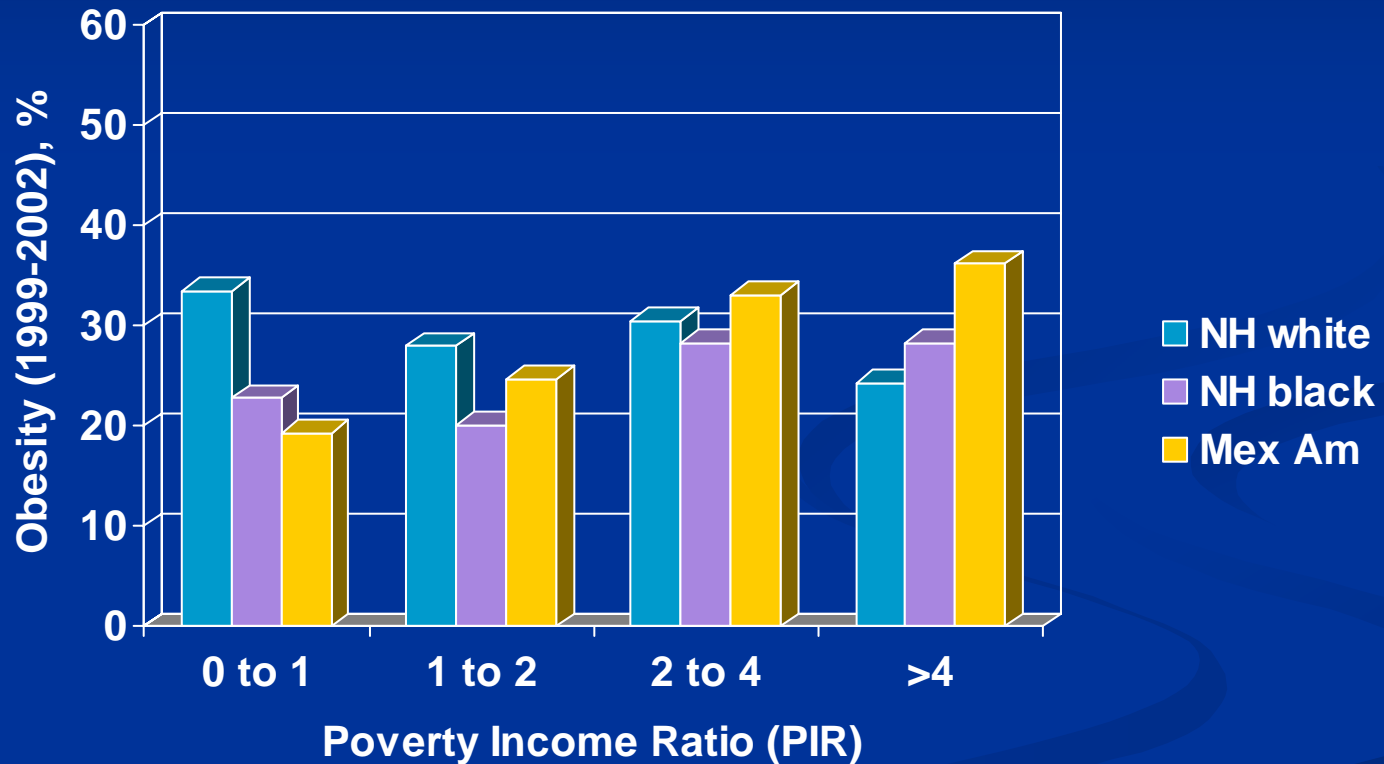
Education, 2007 BRFSS



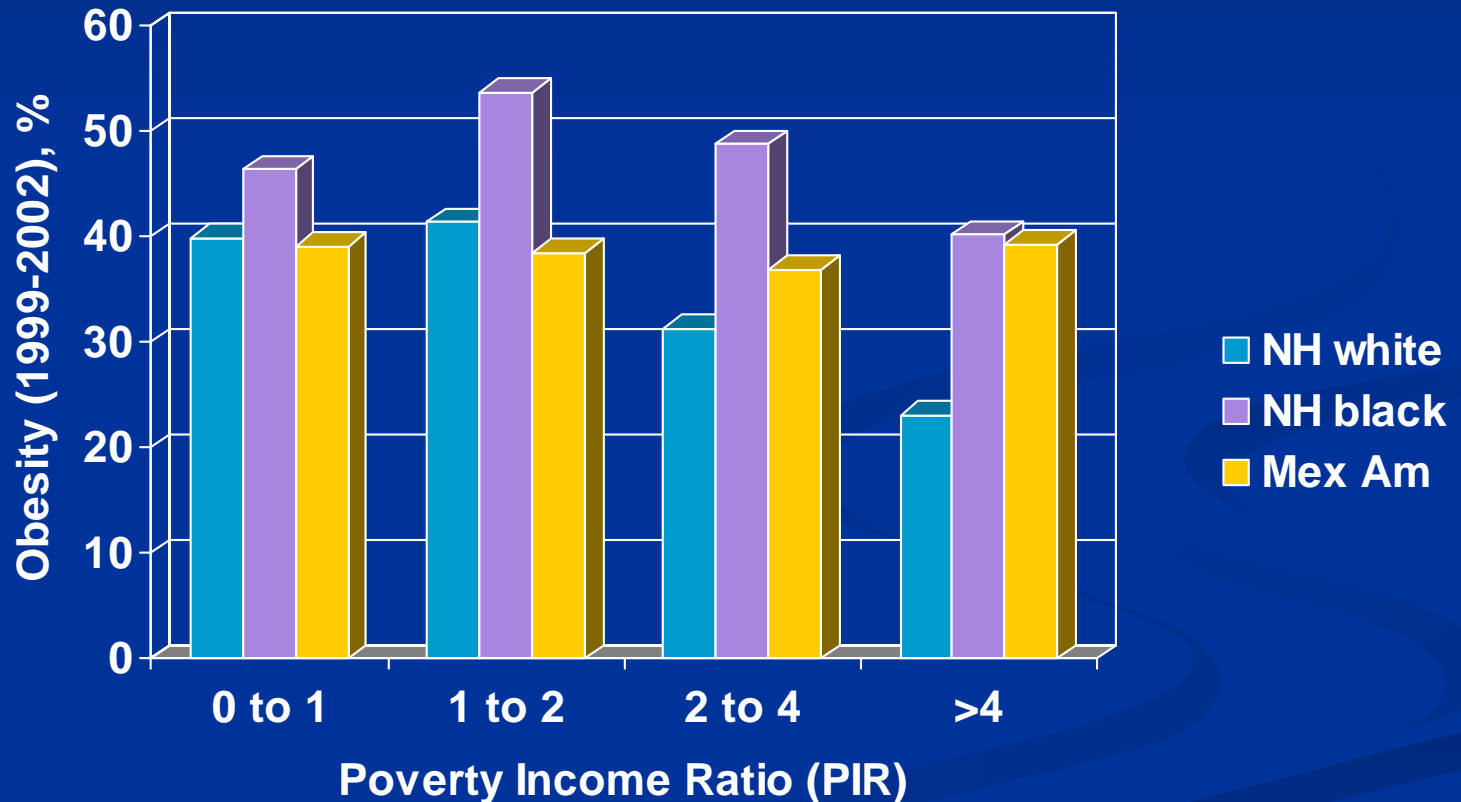
Race/Ethnicity, BRFSS 2007



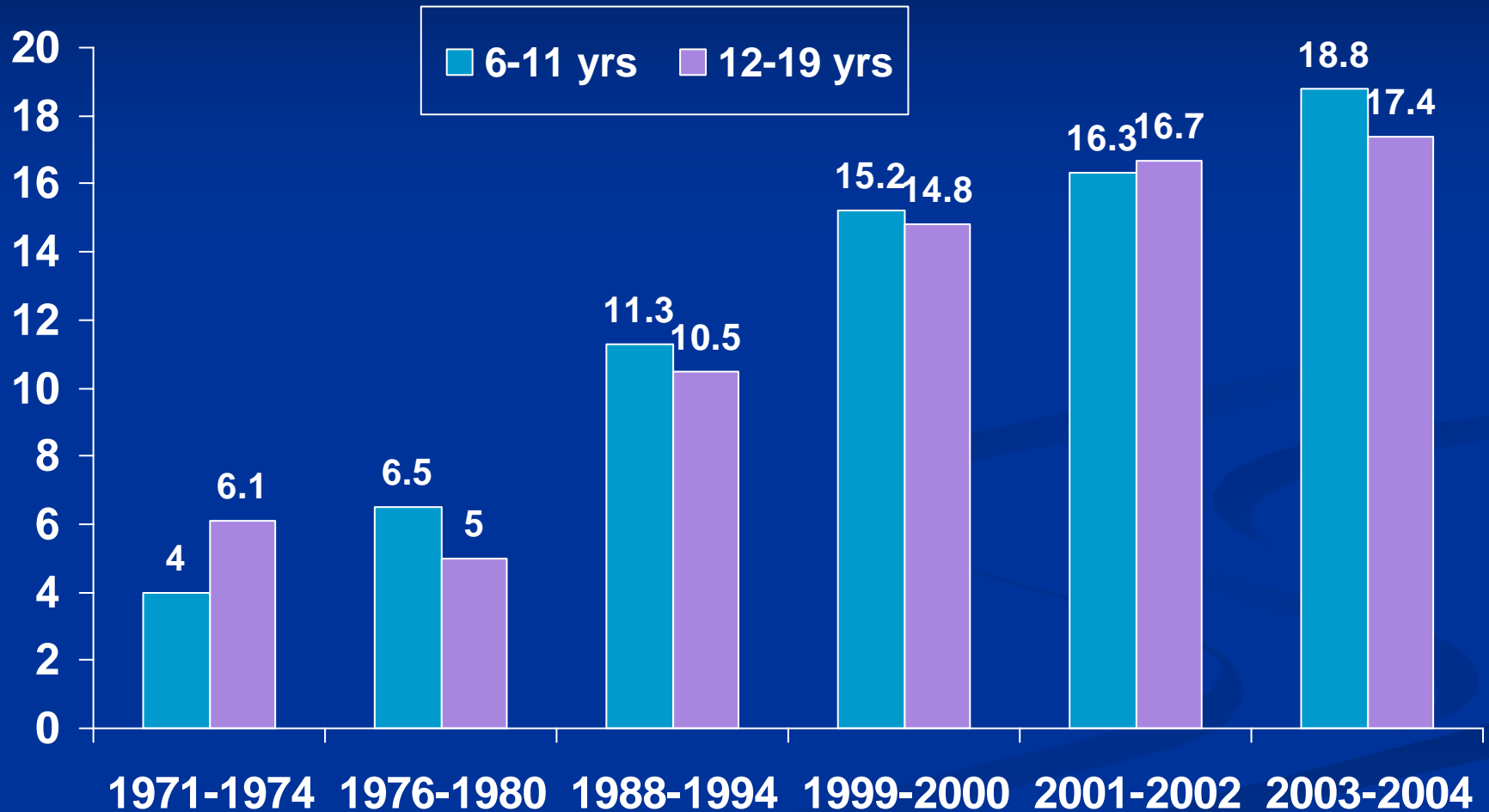
Income Disparities in Men Obesity



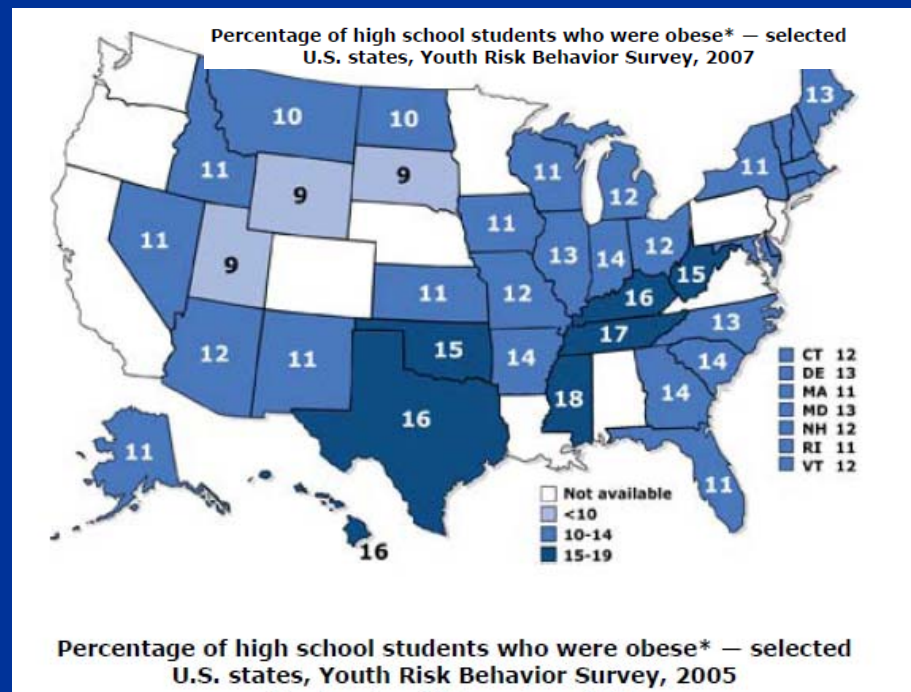
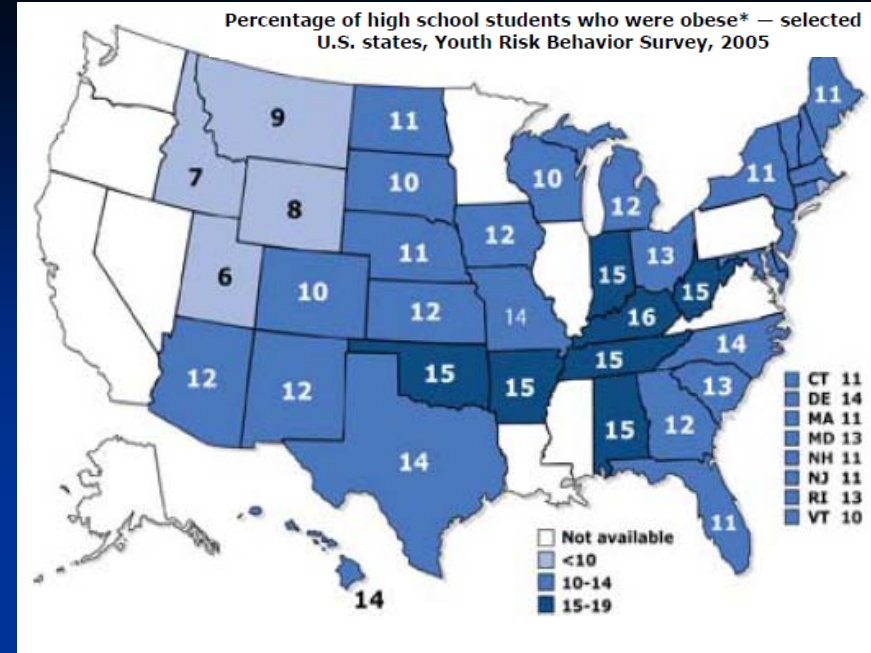
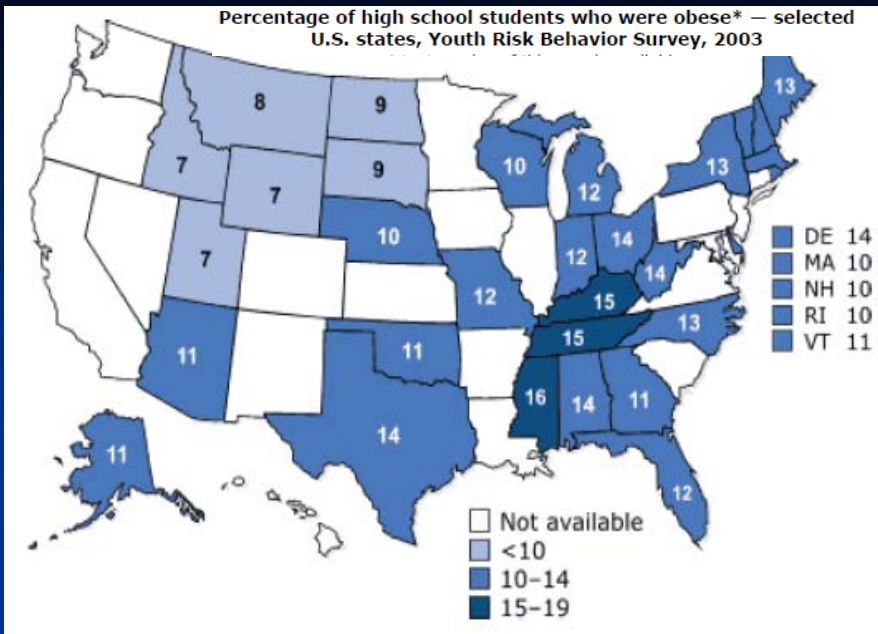
Income Disparities in Women Obesity



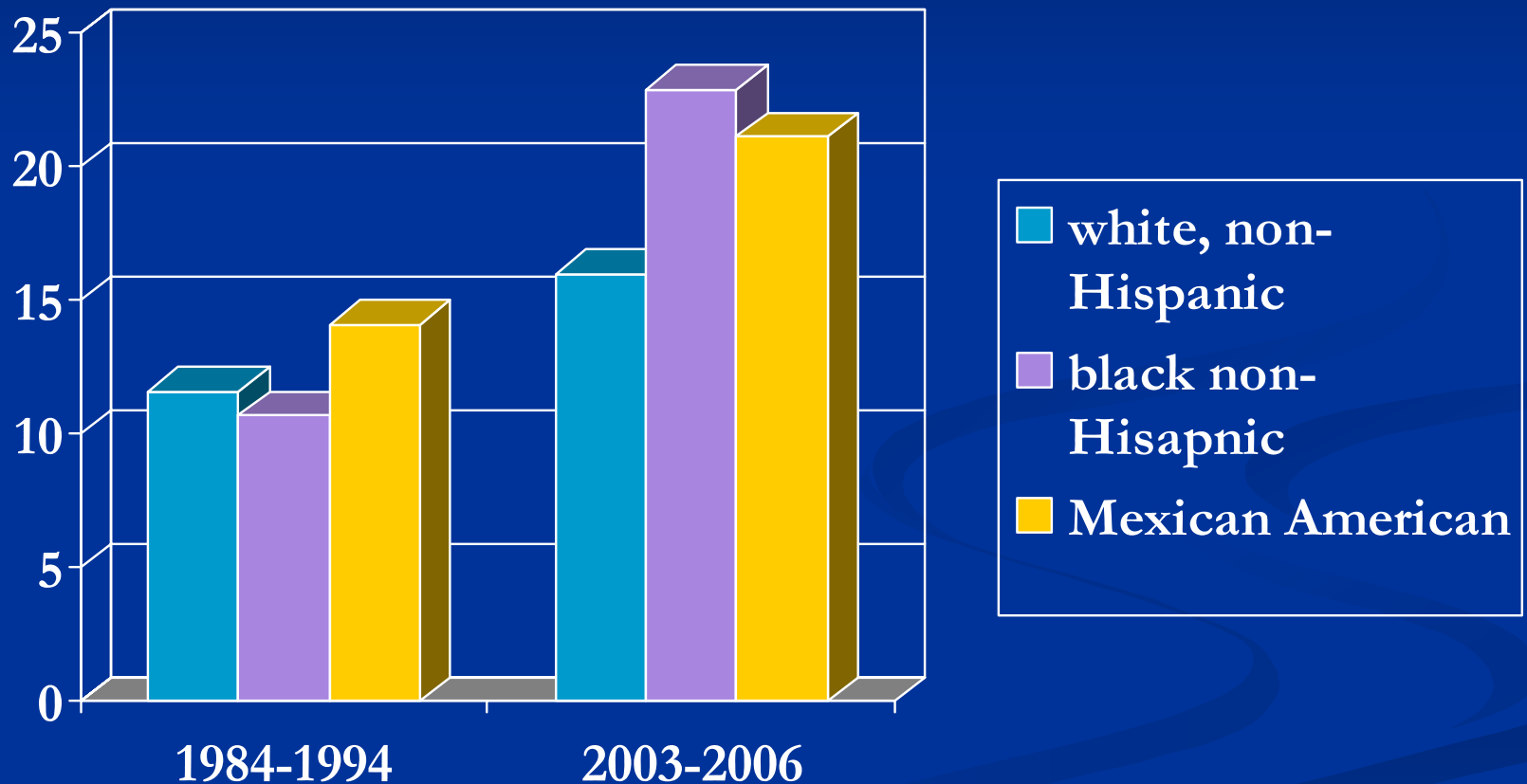
Obesity prevalence among children and adolescents



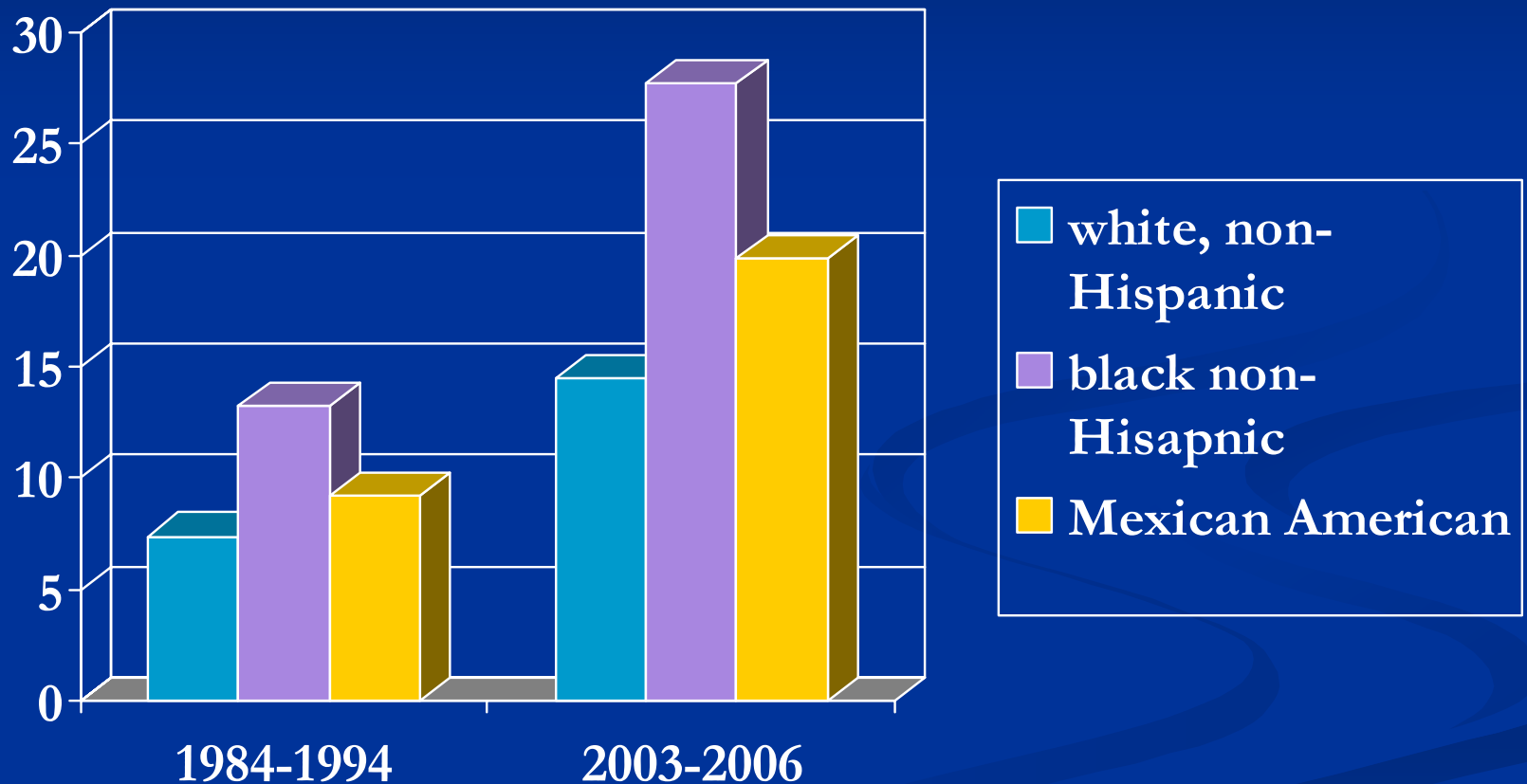
Source: CDC/National Center for Health Statistics



Prevalence of Obesity in Adolescent Boys 12-19 years old, NHANES

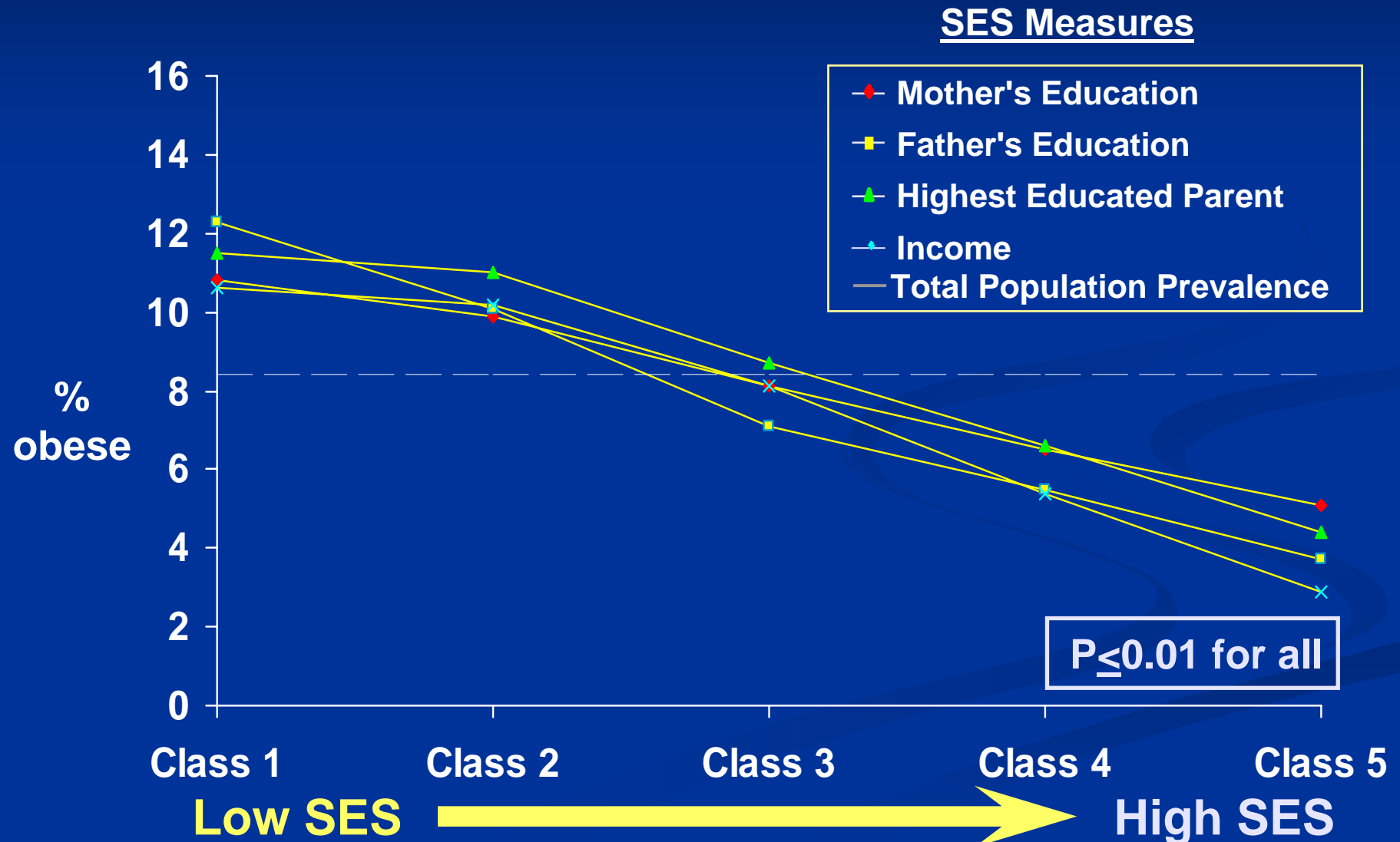


Prevalence of Obesity in Adolescent Girls 12-19 years old, NHANES



SES Gradients in Adolescent Obesity

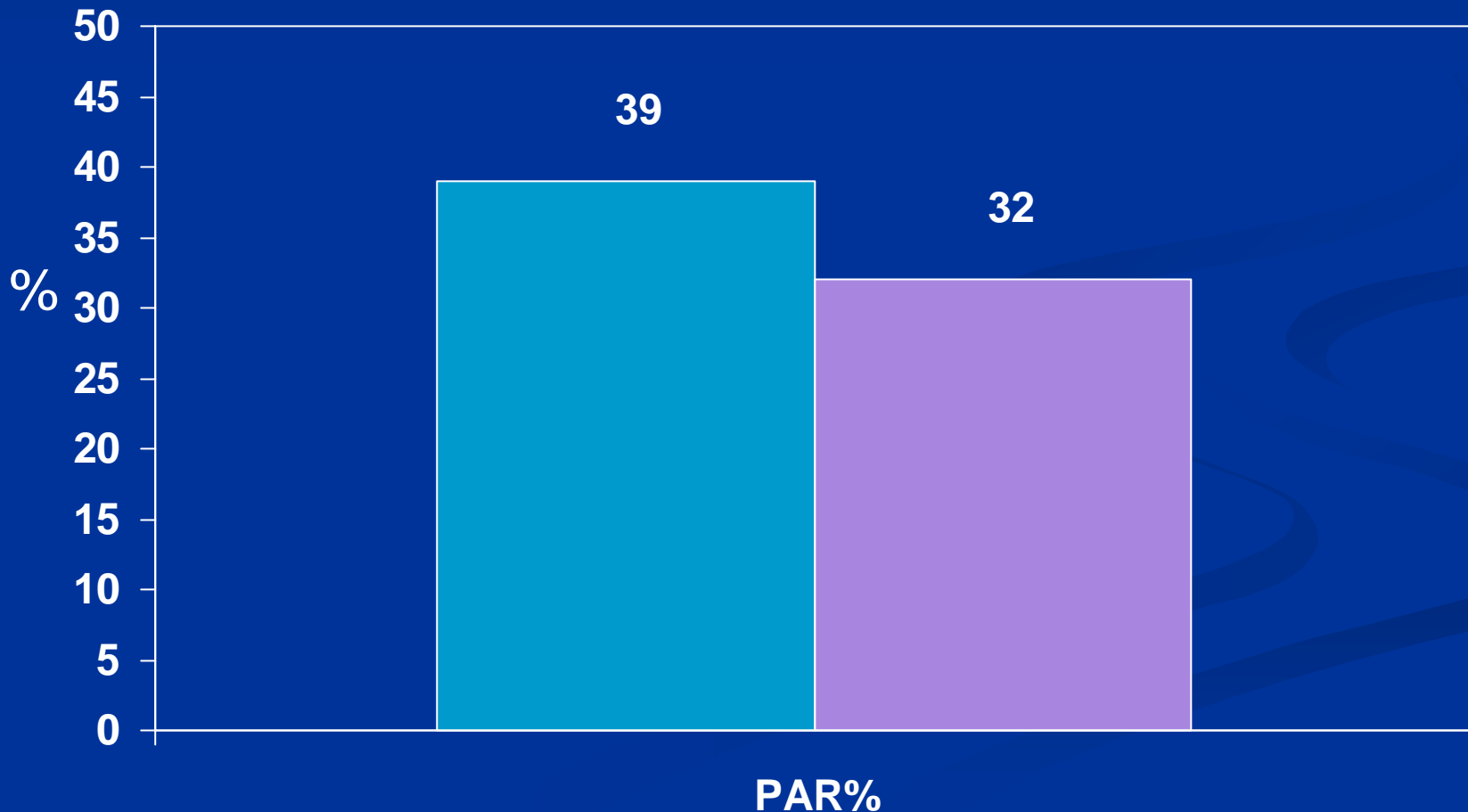
Goodman, E. AJPH. 1999;89:1522-29



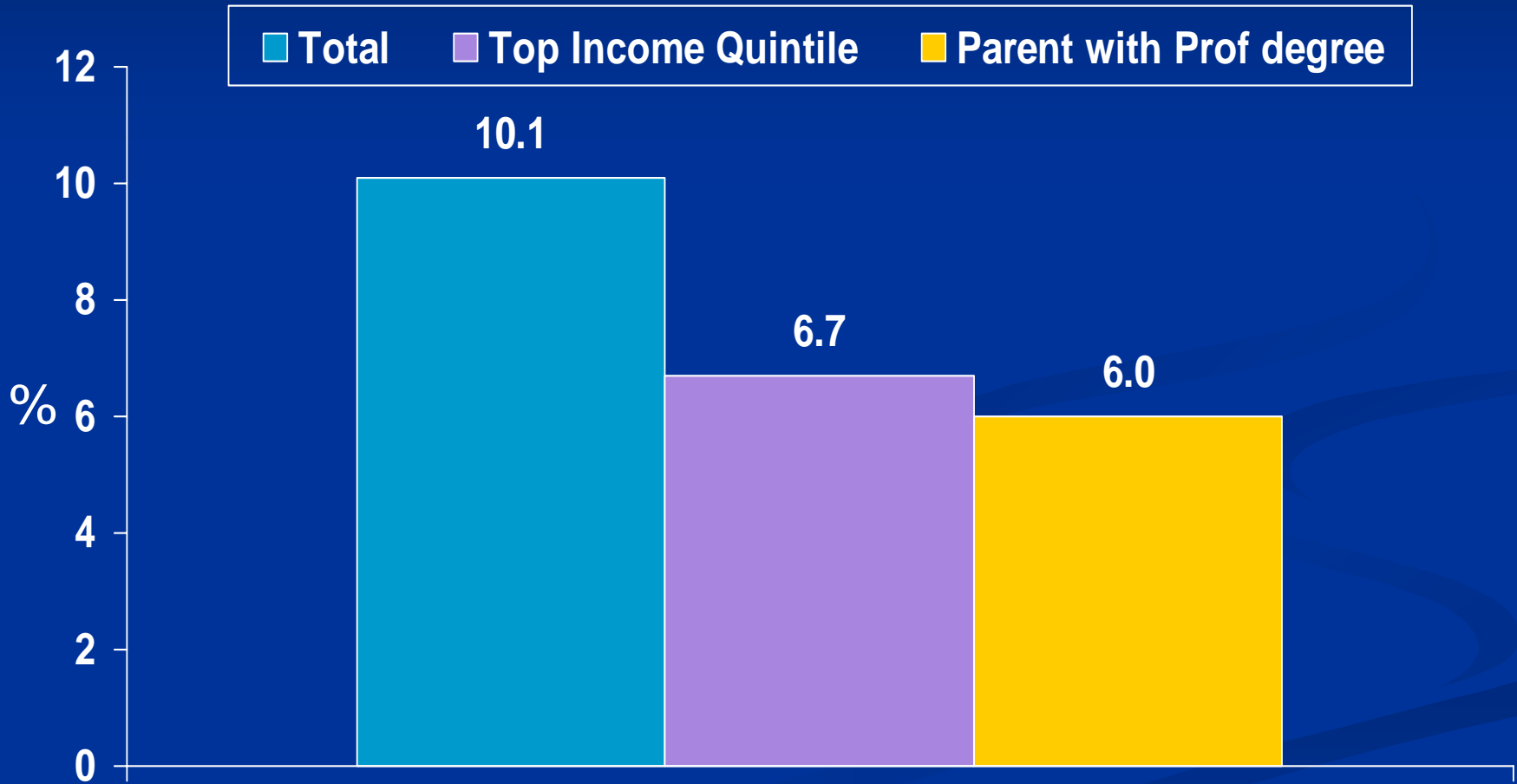
Population Attributable Risks: Adolescent Obesity

Goodman et al, 2003, AJPH

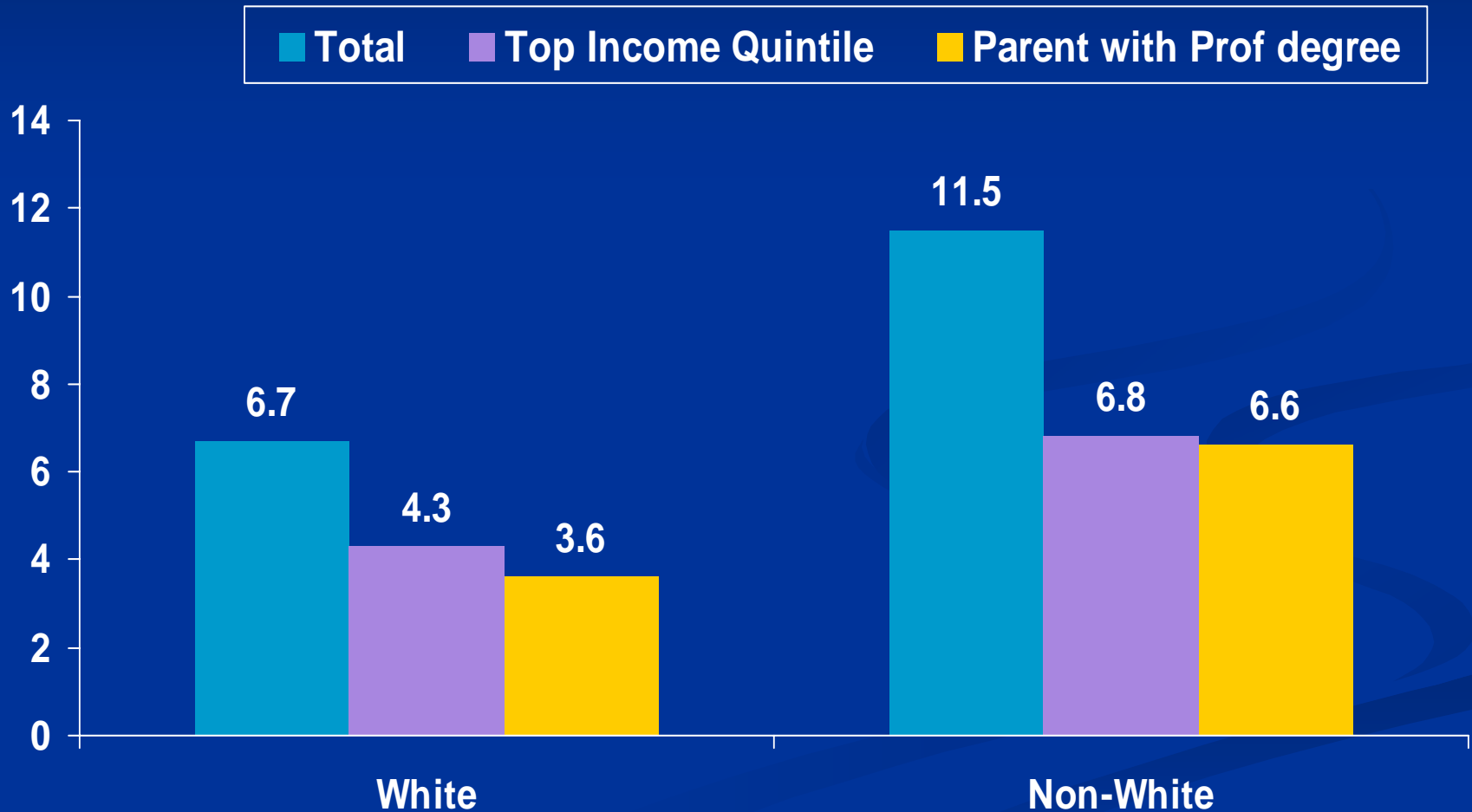
Education Income



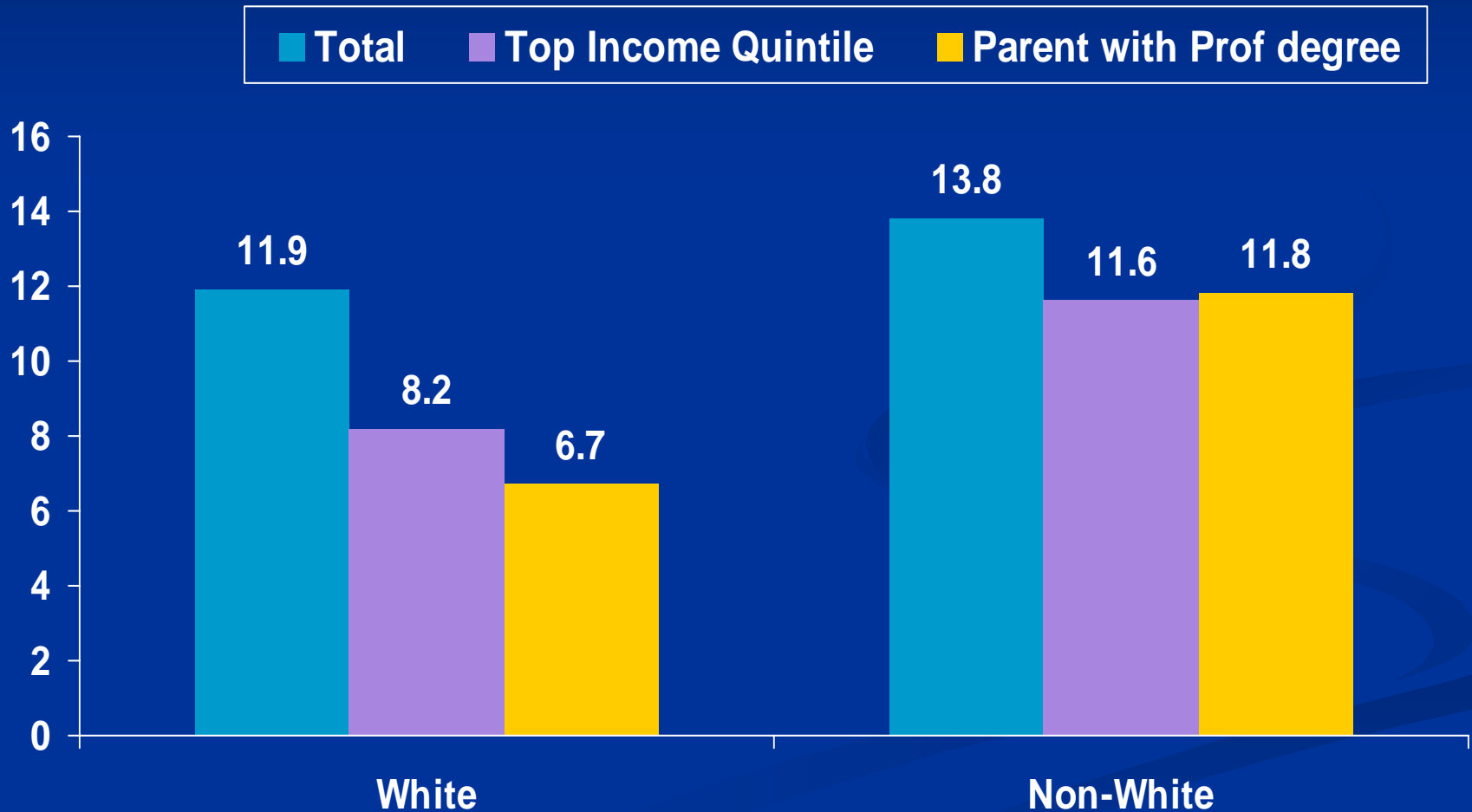
Obesity Prevalence



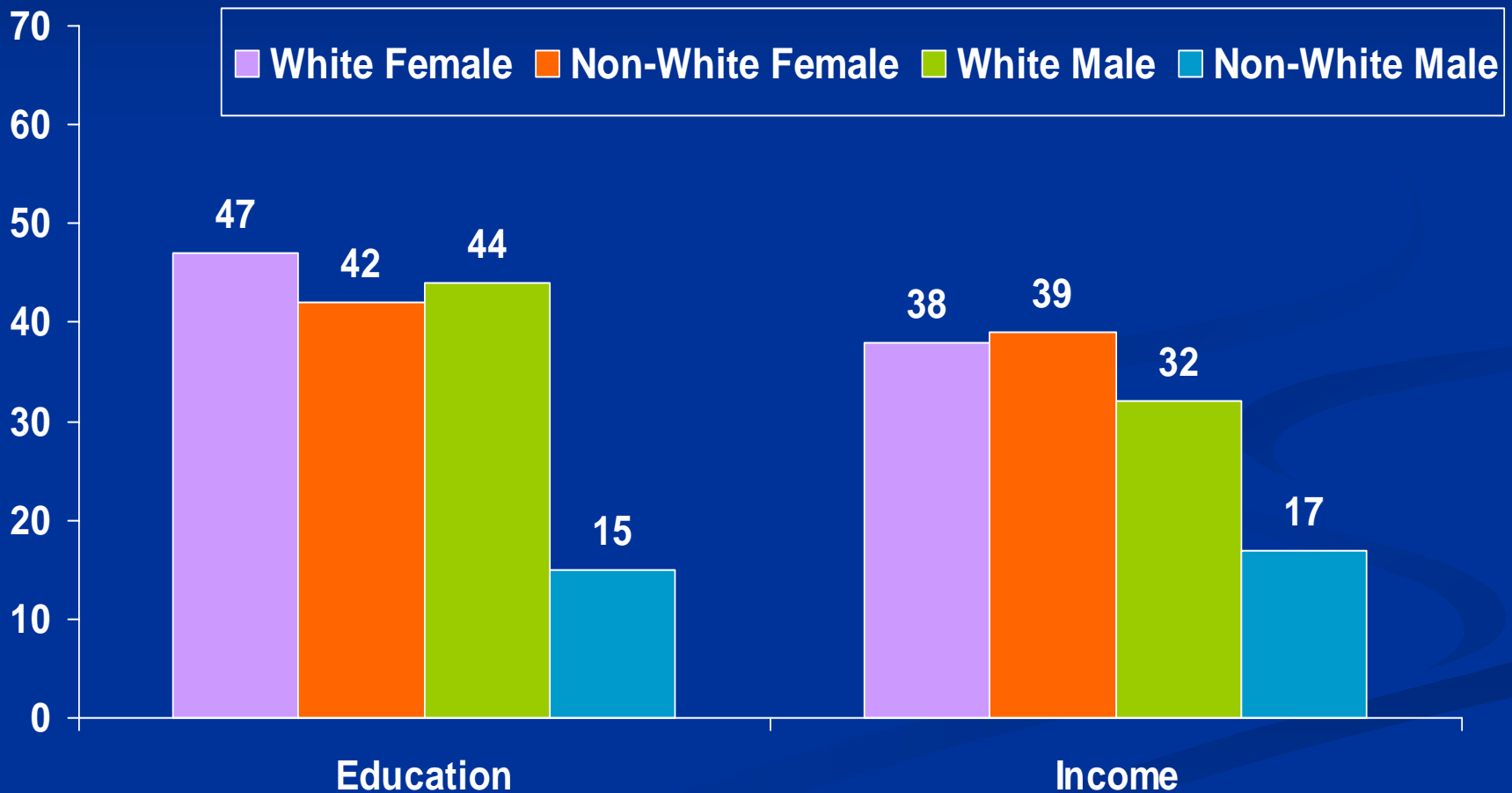
Obesity Among Adolescent Girls



Obesity Among Adolescent Boys



Stratified Population Attributable Risks



Meaning and causation

- Racial, ethnic, and sex groups differences have been noted in studies of the SES – obesity relationship
- Some have concluded that reducing socioeconomic disparities will not influence racial disparities in health
- Others that racial disparities are due to socioeconomic differentials
- Need to look for underlying causes
- Need to think about what we mean by SES and race and disparity

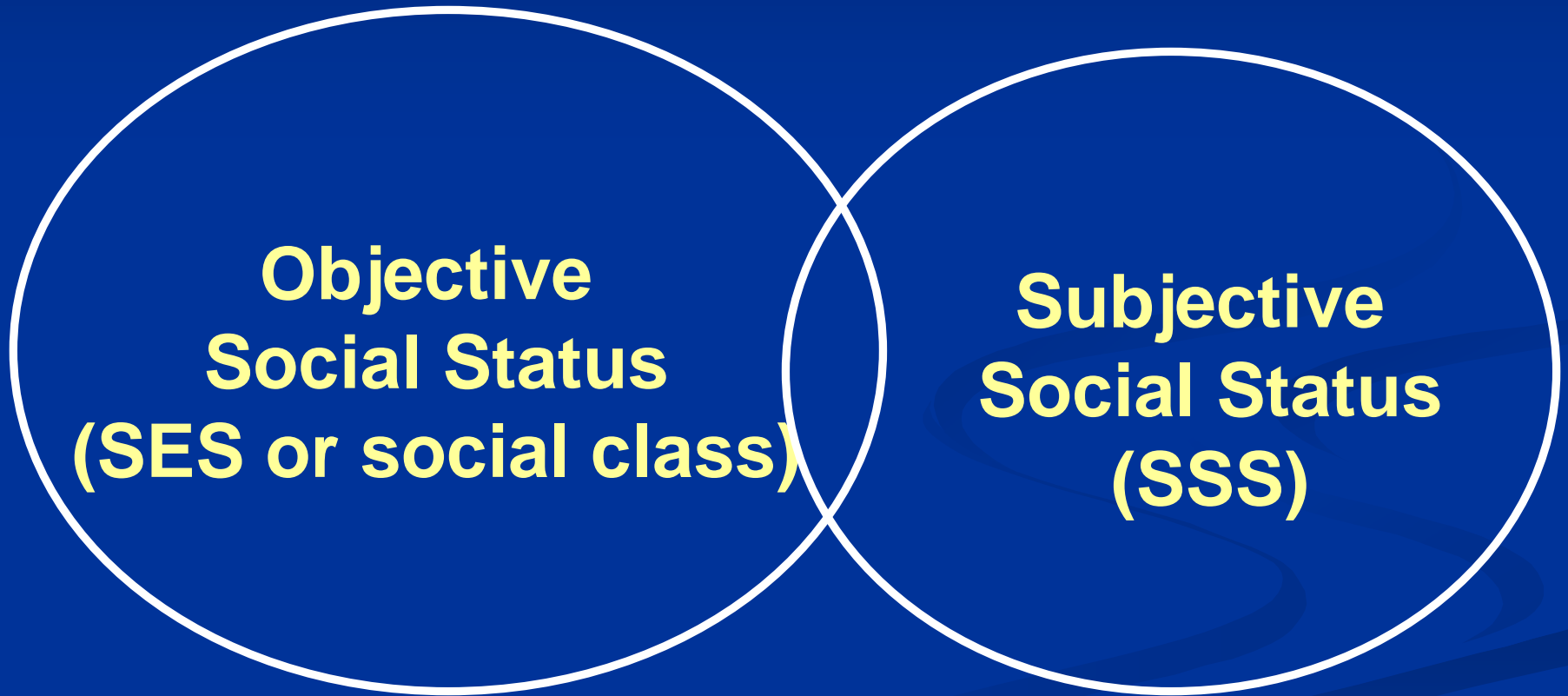
??Disparity??

- Difference
- Disparity
- Inequality
- Inequity

Race and Ethnicity in Science and Medicine

- There is little consensus on how race or ethnicity should be defined or measured
- Race and ethnicity are fluid, subjective and context-specific characteristics
 - Across countries
 - Within individuals
 - Over time
- Genetic classifications used to study migration patterns or design drugs very different from those on the Census
 - Very different from self identification

Conceptualization of Social Status



Social Status Identity

- Subjective assessment of one's socioeconomic position creates a form of identity
- Formed through complex interweaving of factors related to social disadvantage and developmental changes
- Reflects external markers of SES but may not be totally congruent with such measures
 - Some groups → in group comparisons rather than comparisons against a broader societal norm

My name is Michelle, I am from the Bay Area and I am a Senior in high school this year. But those are possibly three of the most uninteresting aspects of my existence, so we shall bypass the formalities and get straight to the good stuff. The good stuff being: Who am i? Well I am a lot of things. I am a writer, a dancer, an artist. I am leaving school in the spring to go study in an art school in Napa. Hopefully after that I will have some clue as to what I want to be when I "grow up." To describe me and not what I do, I am introspective, I am adventurous and I am ridiculously adaptable as I have been used to a lot of change since I was very little.



Social Environment



Pathophysiologic changes



International Community

Nation

State

County

City

Neighborhood

School

Family

InWtGain

