



*Communities in Action*



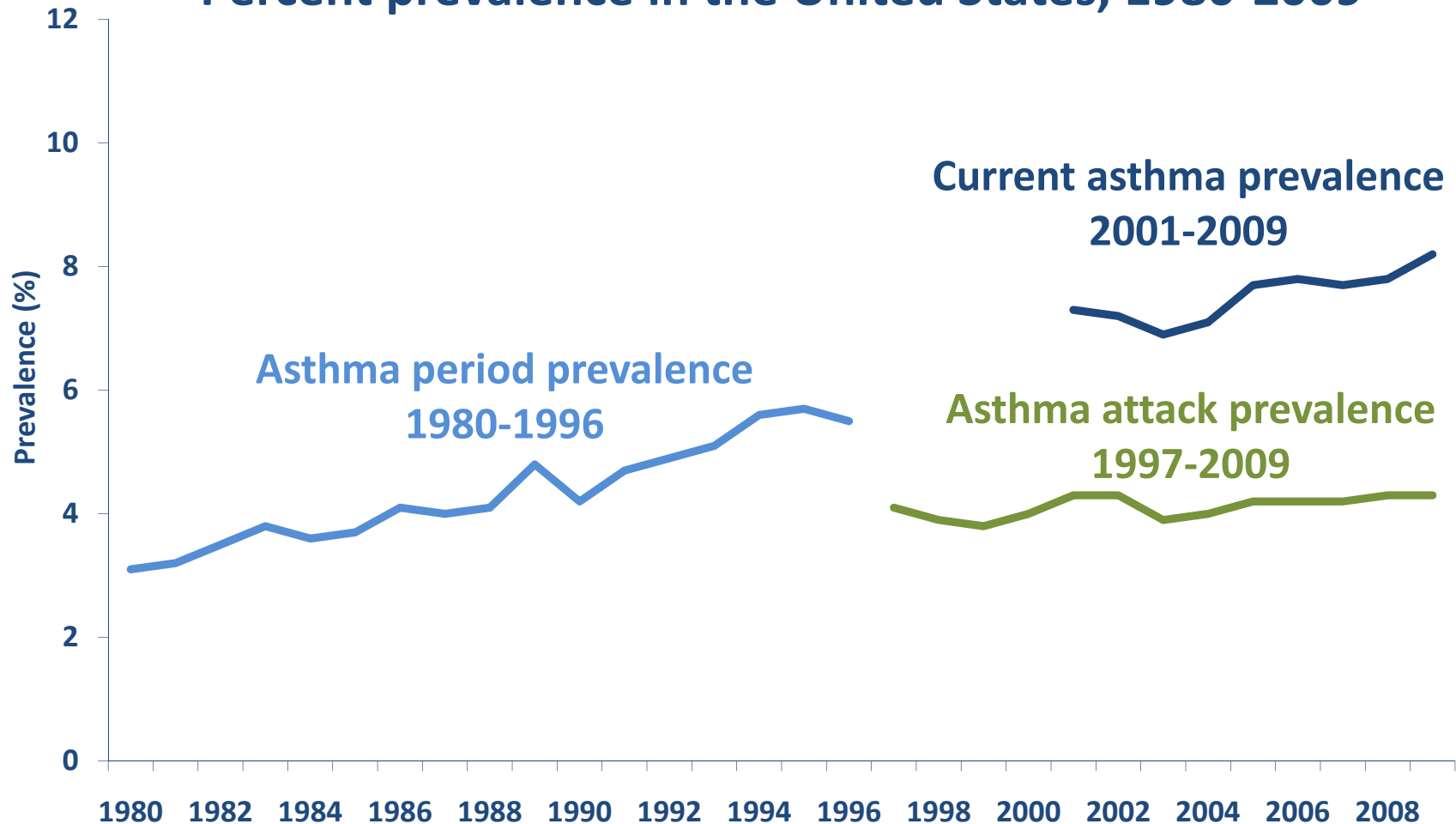
NATIONAL ASTHMA FORUM

WASHINGTON, DC JUNE 9-10, 2011

# A (quick) 10,000 foot view of asthma in the United States

# Trends in prevalence

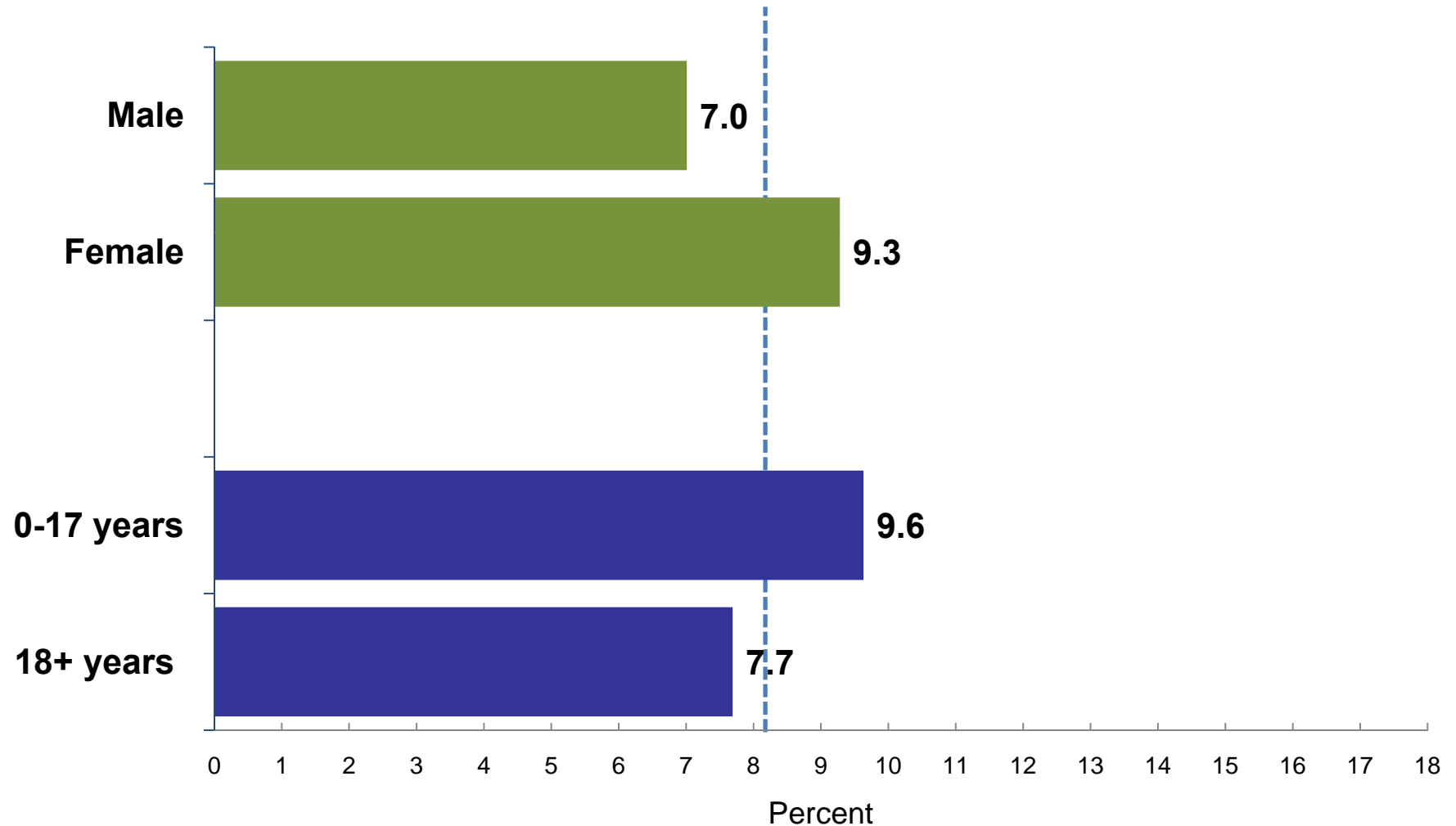
Percent prevalence in the United States, 1980-2009



Source: CDC/NCHS, National Health Interview Survey

# Differences in prevalence

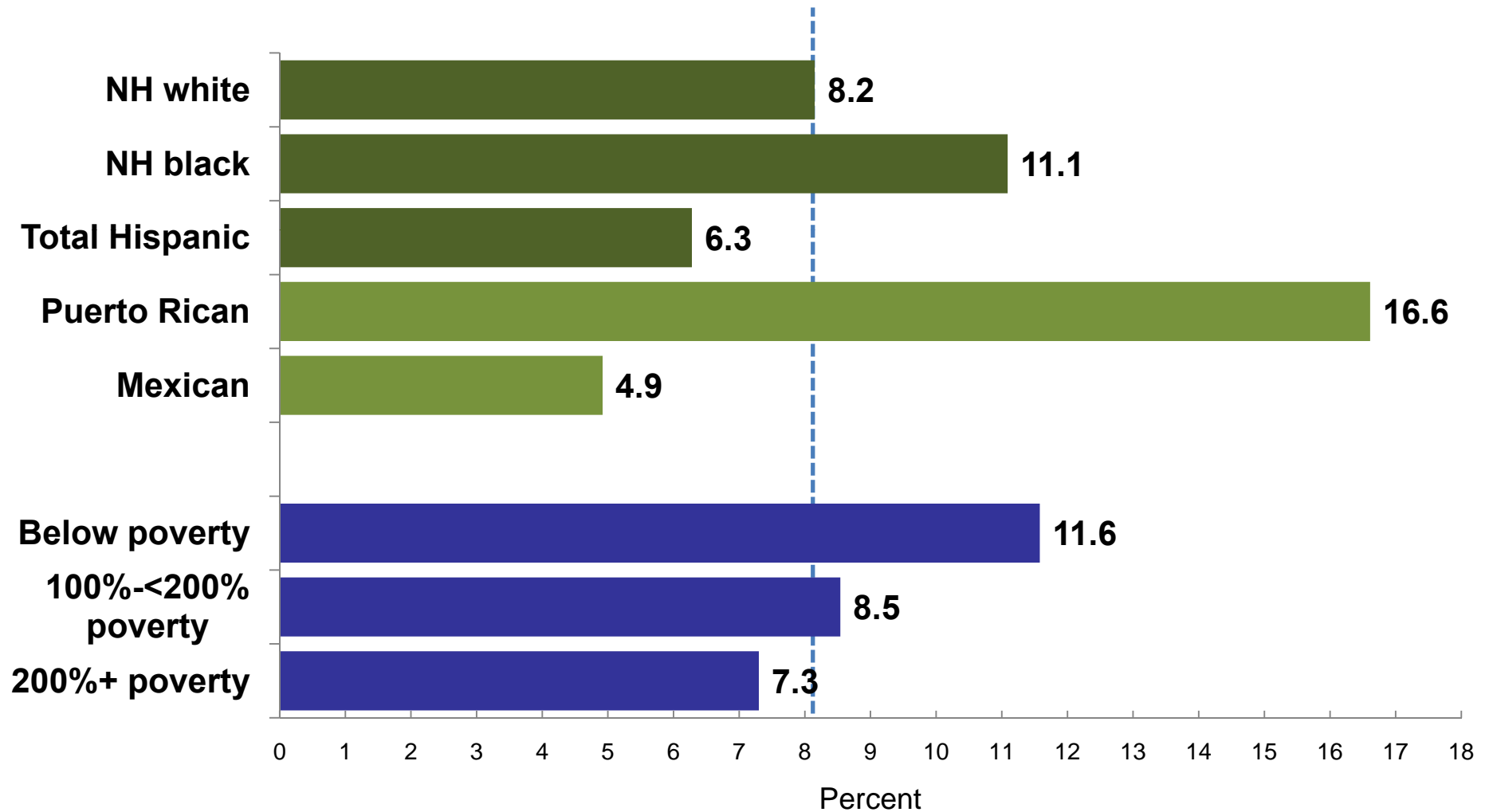
Percent current asthma prevalence, United States, 2009



Source: CDC/NCHS, National Health Interview Survey

# Differences in prevalence

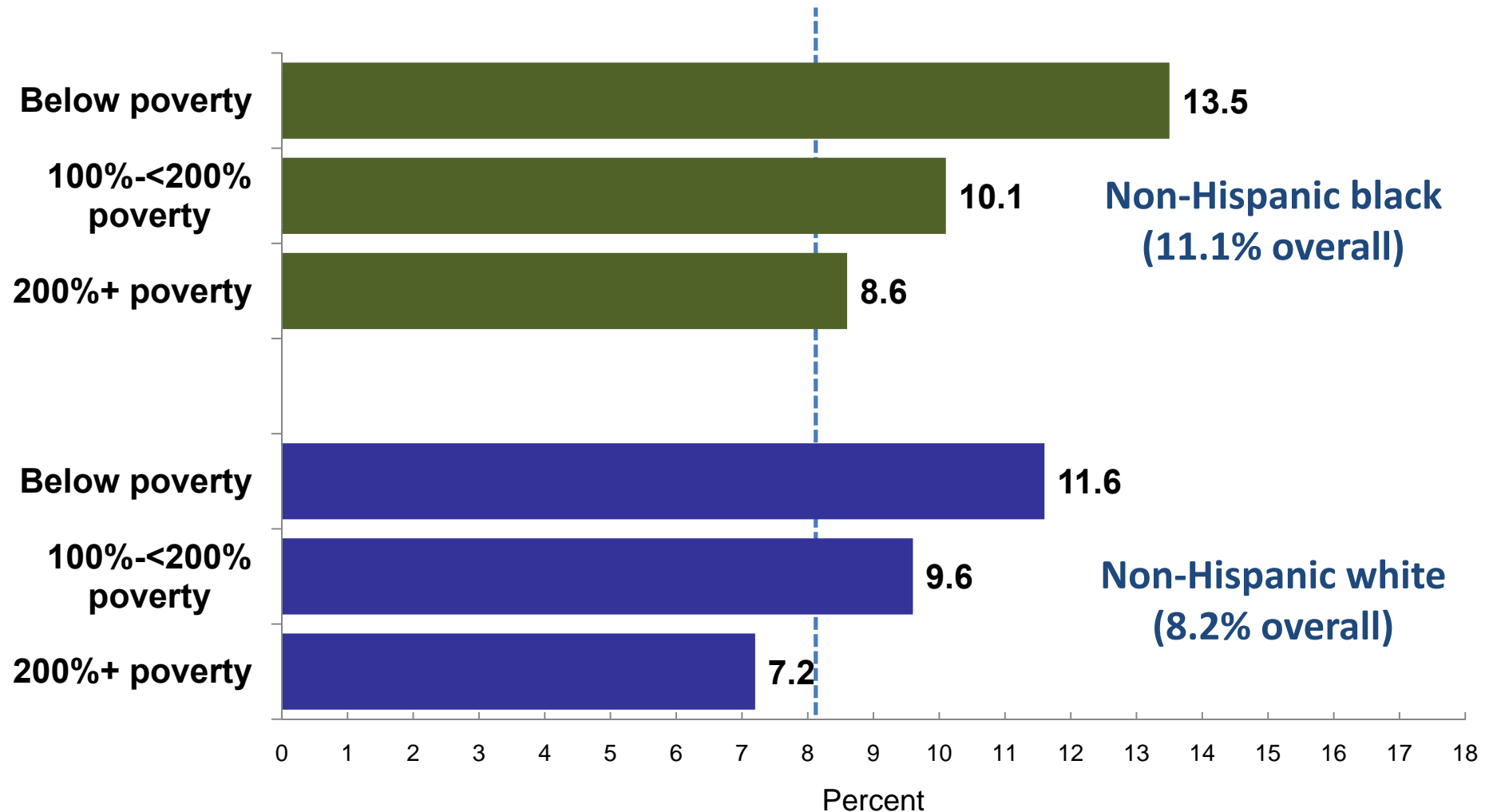
Percent current asthma prevalence, United States, 2009



Source: CDC/NCHS, National Health Interview Survey

# Differences in prevalence

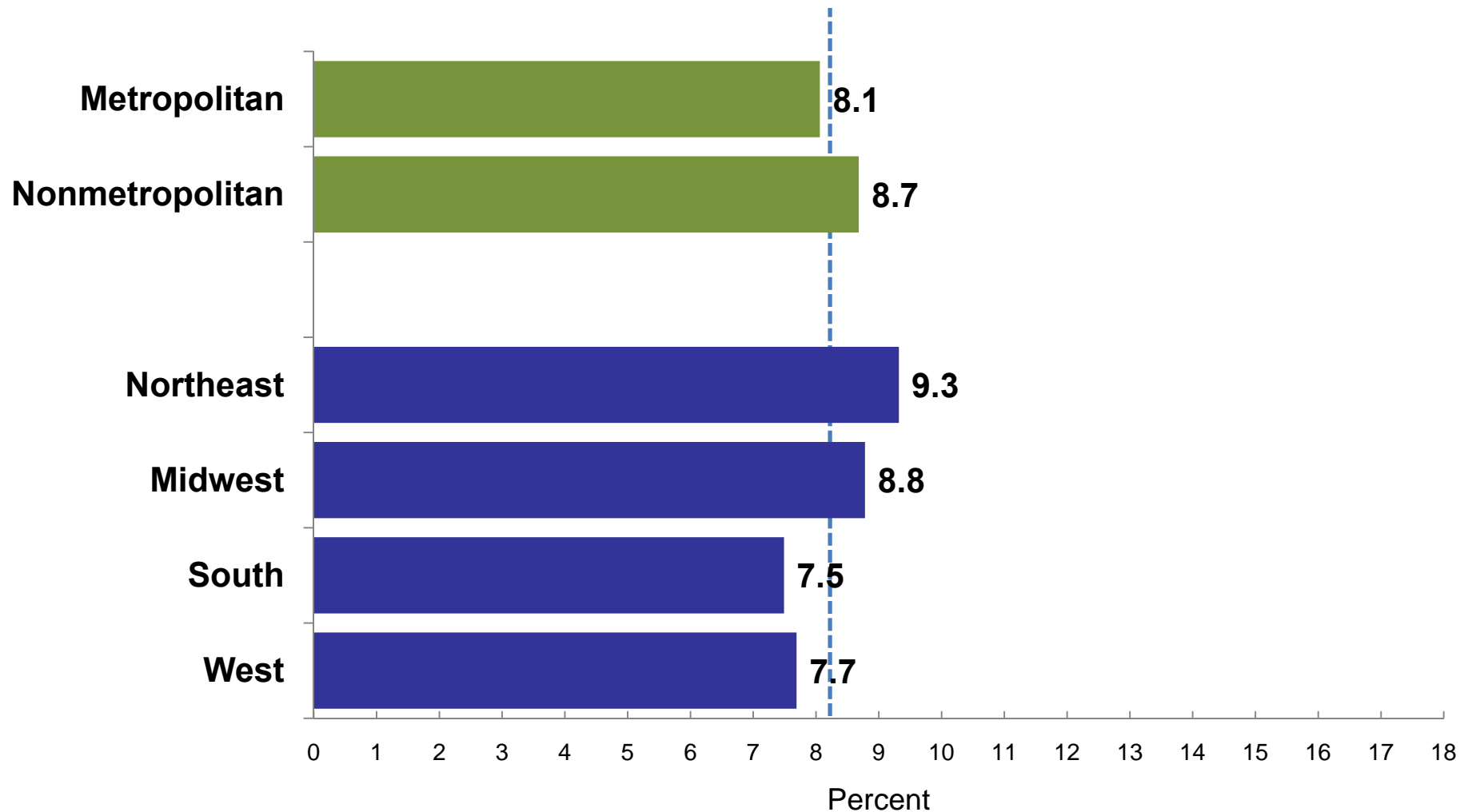
Percent current asthma prevalence, United States, 2007-2009



Source: CDC/NCHS, National Health Interview Survey

# Differences in prevalence

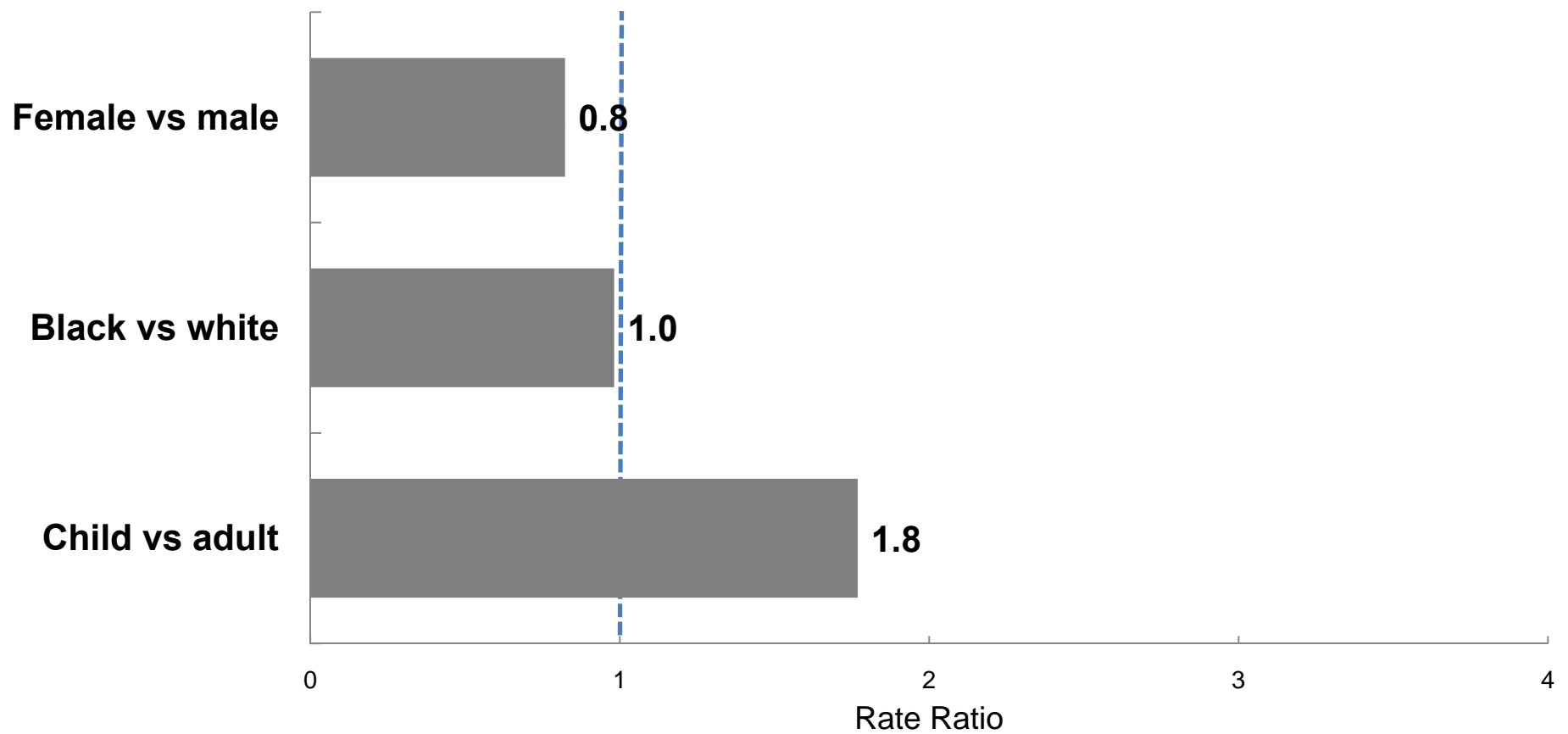
Percent current asthma prevalence, United States, 2009



Source: CDC/NCHS, National Health Interview Survey

# Differences in outcomes

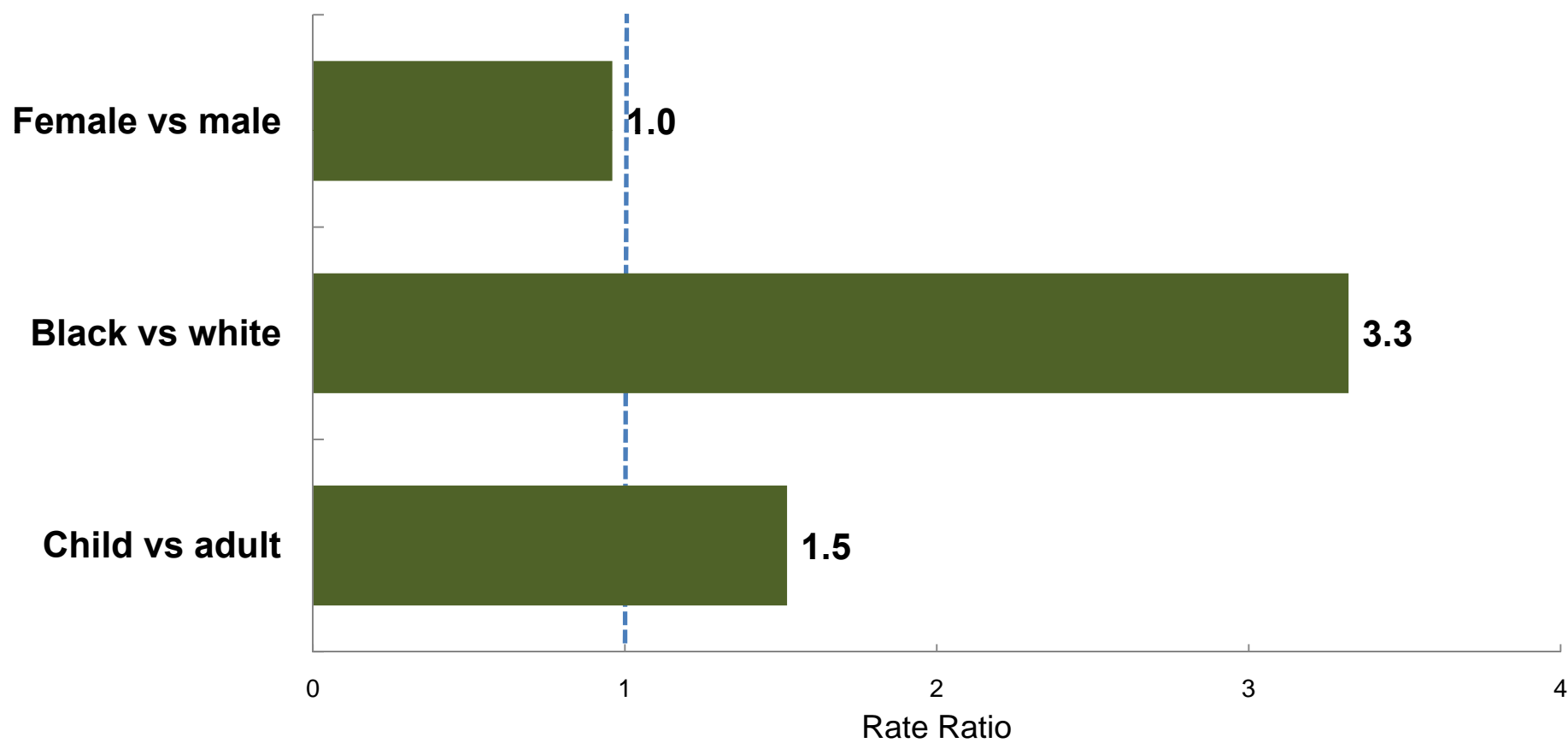
Relative risk of asthma ambulatory healthcare visits among persons with current asthma, United States, 2005-2007



Source: CDC/NCHS, National Ambulatory Medical Care Survey, National Hospital Ambulatory Medical Care Survey

# Differences in outcomes

Relative risk of asthma ED visits among persons with current asthma, United States, 2005-2007

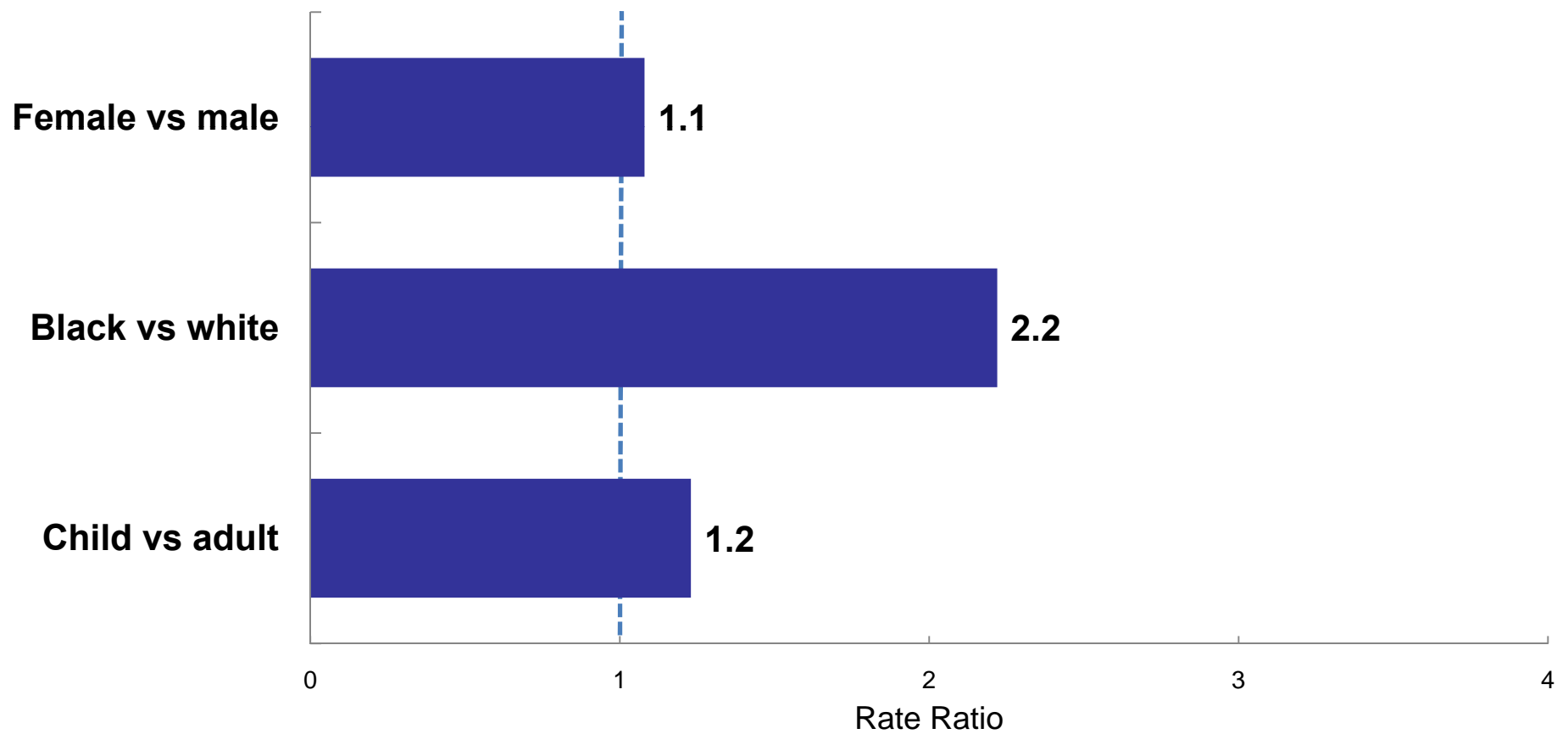


Source: CDC/NCHS, National Hospital Ambulatory Medical Care Survey



# Differences in outcomes

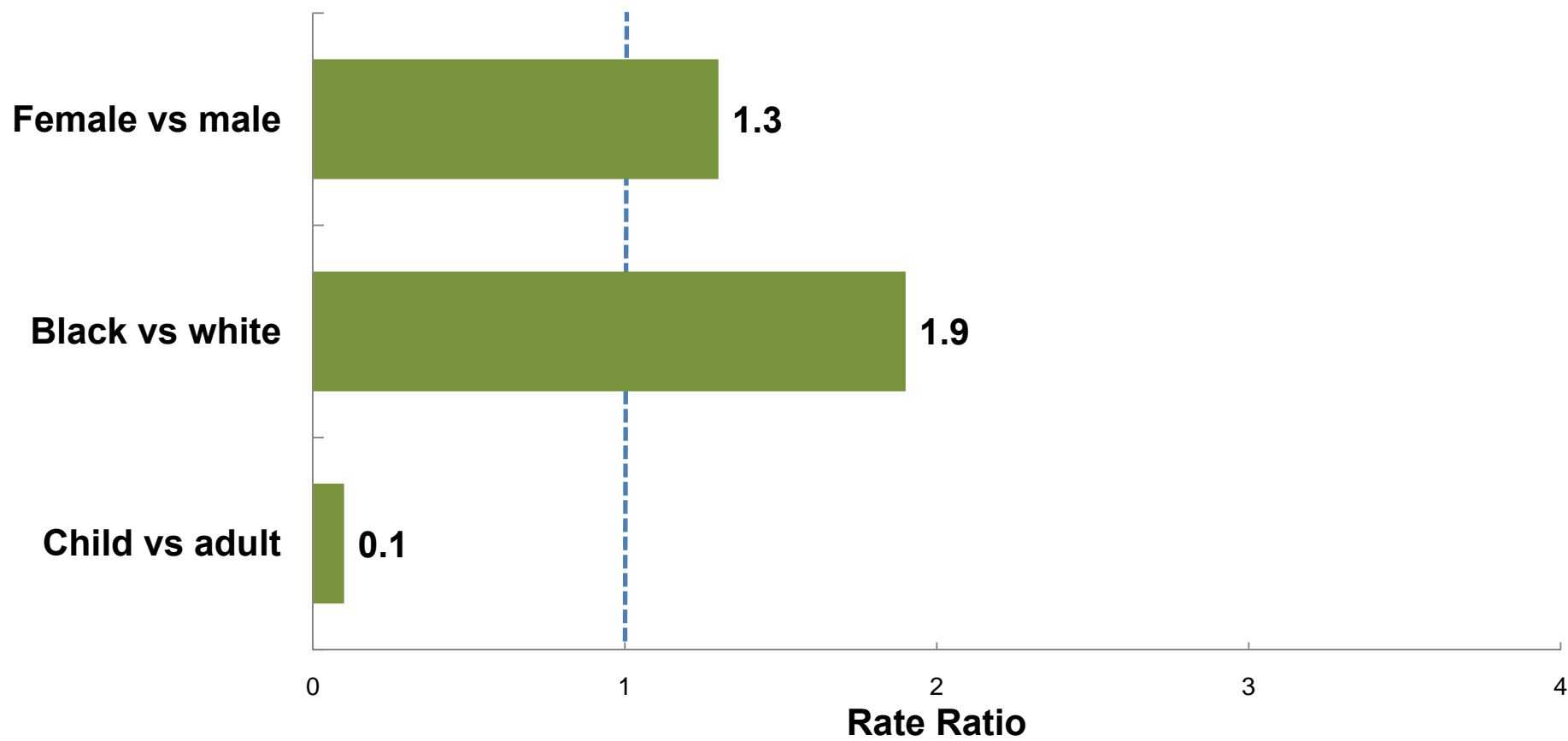
Relative risk of asthma hospitalizations among persons with current asthma, United States, 2005-2007



Source: CDC/NCHS, National Hospital Discharge Survey

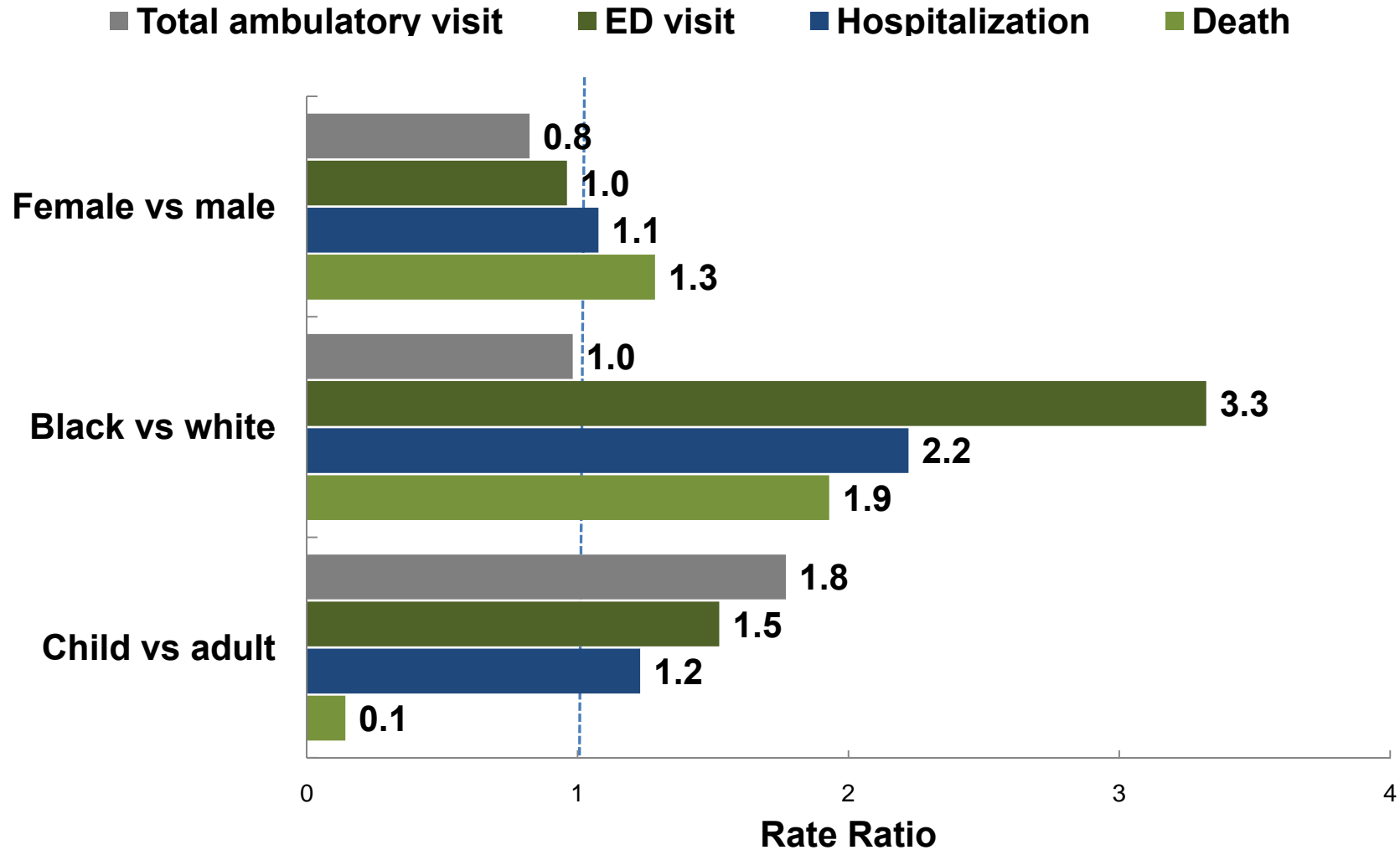
# Differences in outcomes

Relative risk of asthma deaths among persons with current asthma, United States, 2005-2007

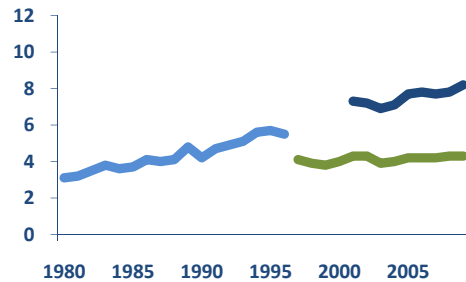


Source: CDC/NCHS, National Vital Statistics System

# Differences in outcomes

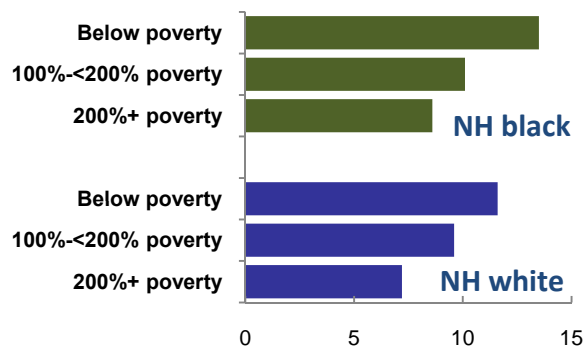
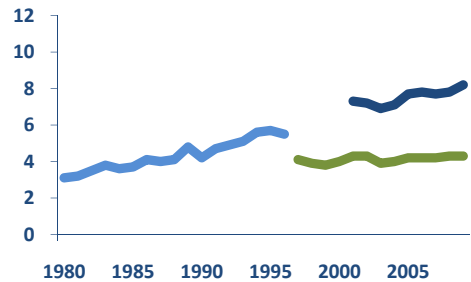


# Summary



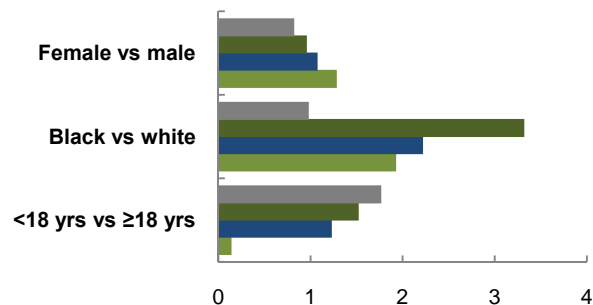
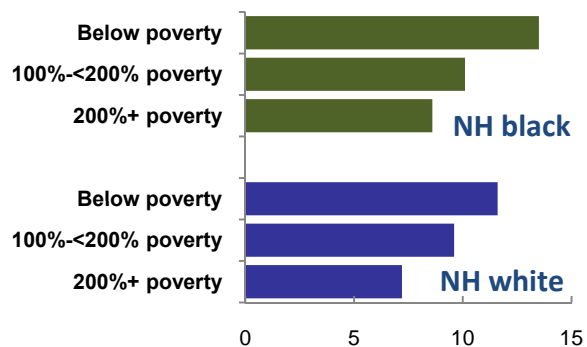
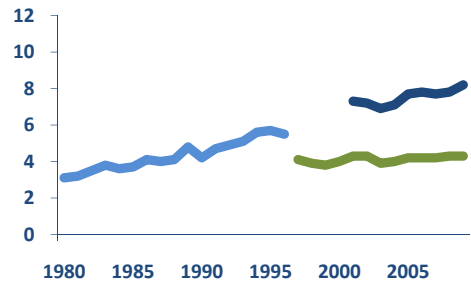
- Prevalence is increasing
  - *Definitions matter*
  - *Consider choosing measures compatible with benchmark measures*
  - *Trend breaks are sometimes necessary, but painful so choose wisely*

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- Prevalence varies widely among subgroups
  - *Differences may stem from multiple factors—consider “interactions”*

# Summary



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  - *Definitions matter*
  - *Consider choosing measures compatible with benchmark measures*
  - *Trend breaks are sometimes necessary, but painful so choose wisely*
- Prevalence varies widely among subgroups
  - *Differences may stem from multiple factors—consider “interactions”*
- Outcomes vary widely between subgroups, even after taking prevalence differences into account
  - *Data can be “repurposed” from other systems, but know the limitations*
  - *Be careful to distinguish events (e.g., number of visits) from number of people*