



# BRFSS and CHAS

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# Behavioral Risk Factor Surveillance System (BRFSS)

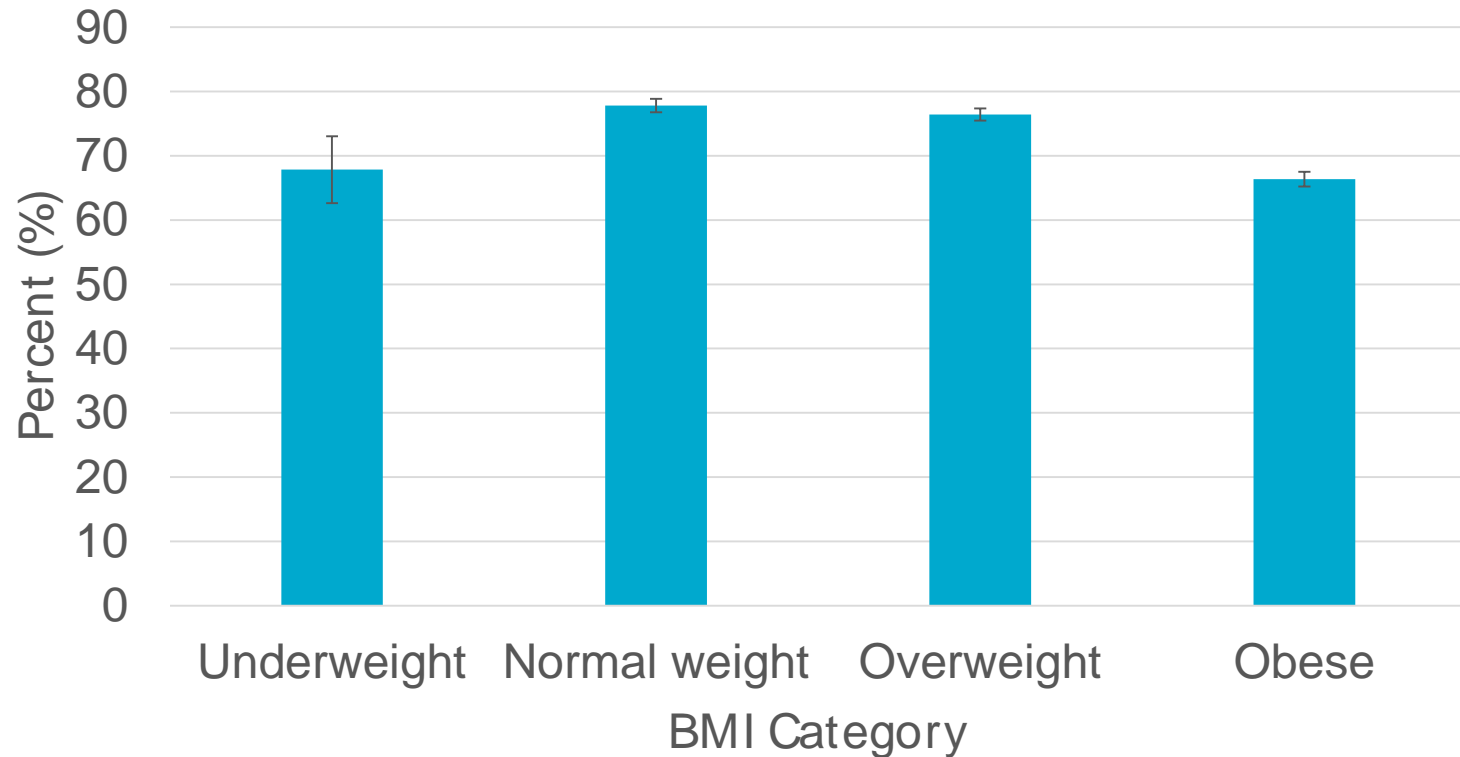
- Random-digit dialed survey of non-institutionalized adults (18+)
- Measures health behaviors and outcomes
- Funded by CDC
- In SC since 1984
- Cell phones introduced in 2011

# BRFSS

- Advantages
  - Weighted for state population
  - Can compare to other states & nation
  - Multiple years of data (1984-2010; 2011-present)
  - Stratification possibilities
- Limitations
  - Single year estimates unavailable for small areas
  - Self-report & social desirability biases

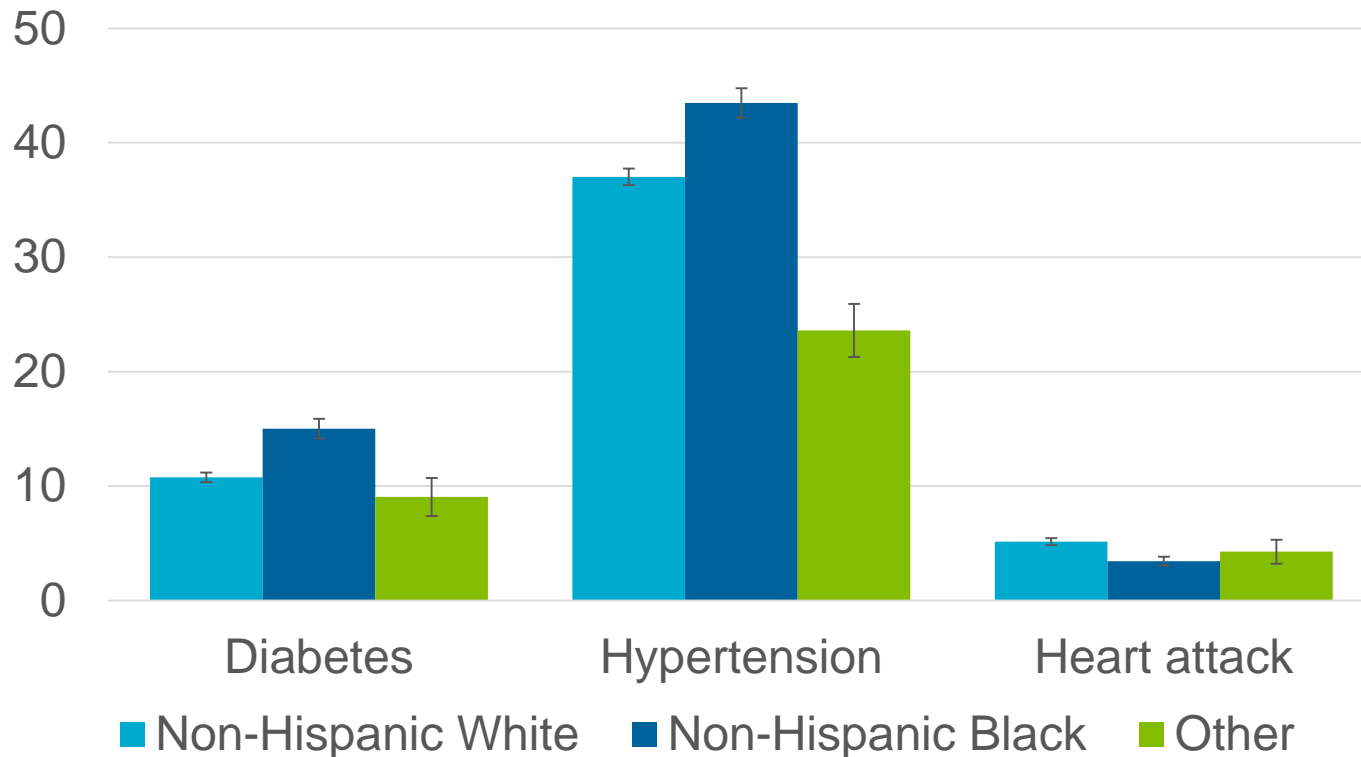
# BRFSS: 2015 data example

Exercise in past 30 days by body mass index category



# BRFSS: 2015 data example

Chronic conditions by race/ethnicity



# BRFSS: 2015 data examples

- Ever had any HPV vaccination
  - 7.6% ( $\pm 1.1\%$ ) of males
  - 18.5% ( $\pm 1.2\%$ ) of females
- Among those who lived with a problem drinker/alcoholic before they were 18,
  - 22.6% ( $\pm 2.2\%$ ) of males reported binge drinking in past 30 days
  - 12.4% ( $\pm 1.3\%$ ) of females reported binge drinking in past 30 days

# To request BRFSS data

- Contact Chelsea Lynes
  - [lynesc1@dhec.sc.gov](mailto:lynesc1@dhec.sc.gov)
  - 803-898-1047
- Available
  - Data sets
    - Formal request process
    - Up to three weeks to receive
  - Simple statistics (frequency tables)
    - Informal request process
    - Done within one week



# BRFSS

- All South Carolina specific surveys available on DHEC website  
(<http://www.scdhec.gov/Health/SCPublicHealthStatisticsMaps/BehavioralRiskFactorSurveys/CoreComponentsOfSurvey/>)
- CDC BRFSS website:  
(<http://www.cdc.gov/brfss/>)



# Children's Health Assessment Survey (CHAS)

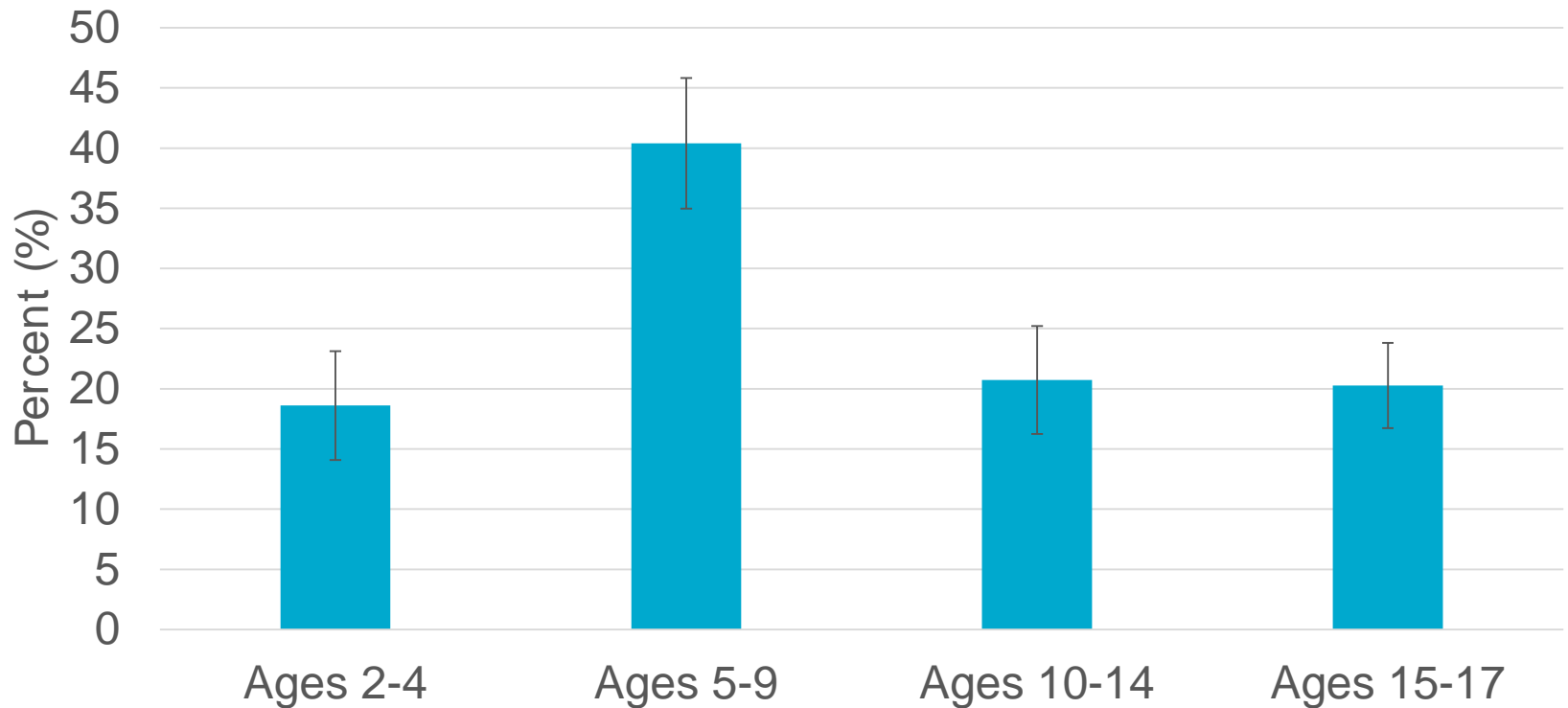
- BRFSS respondents who are eligible
  - indicate they have children living in their home
  - consent to completing CHAS interview
- Called back within one week of BRFSS interview
- Administered in SC since 2012

# CHAS

- Advantages
  - Weighted for state population
  - Unique to SC
  - BRFSS and CHAS responses can be linked
- Limitations
  - BRFSS and CHAS respondents not necessarily the same person
  - Self-report & social desirability biases
  - Sample size (<10% of BRFSS)
  - Only statewide estimates available

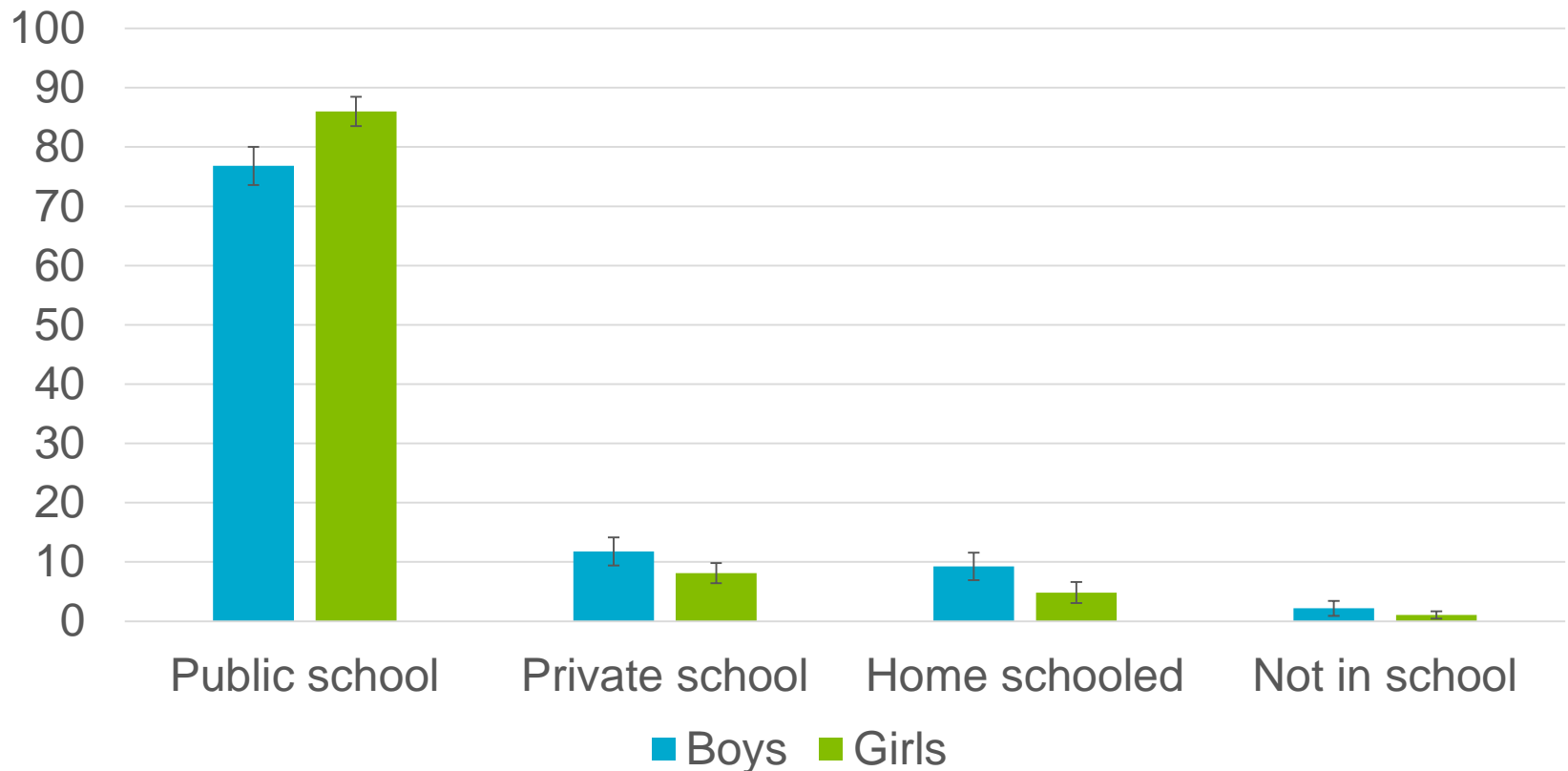
# CHAS: 2015 data example

Obesity by age group



# CHAS: 2015 data example

School type by gender



# To request CHAS data

- Contact Chelsea Lynes
  - [lynesc1@dhec.sc.gov](mailto:lynesc1@dhec.sc.gov)
  - 803-898-1047
- Available
  - Data sets
    - Formal request process (linked to BRFSS or not)
    - Up to three weeks to receive
  - Simple statistics (frequency tables)
    - Informal request process
    - Done within one week



South Carolina Department of Health and Environmental Control  
Healthy People. **Healthy Communities.**

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**Thank you!**



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