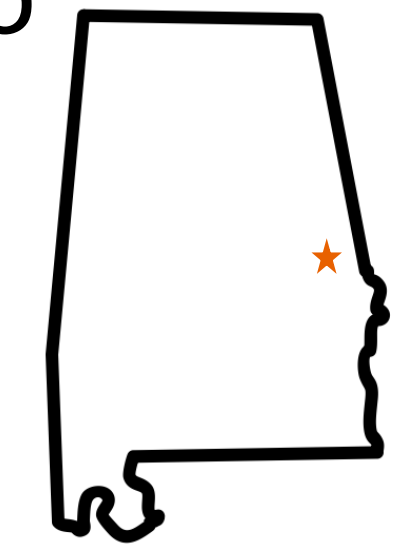


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## Background

- Auburn University is a land-grant institution, dedicated to the application of education, research, scholarship, and service to improving the lives of the Alabama population.
- The mission of Auburn University's Harrison College of Pharmacy is to educate students to care for the patients of our state.
- The Practice Ready Curriculum (PRC) is an integrated curriculum implemented in 2017.
- The PRC was designed to include the common diseases of patients in the state.
- Patient cases are used throughout the core course sequences (24 courses) for application of content and skills.



A curricular evaluation demonstrated the demographics of the patient cases could be more representative of the state population, providing an opportunity for curricular improvement in support of the College's mission.

## Results

Figure 1. Case Contents (N = 575 cases)

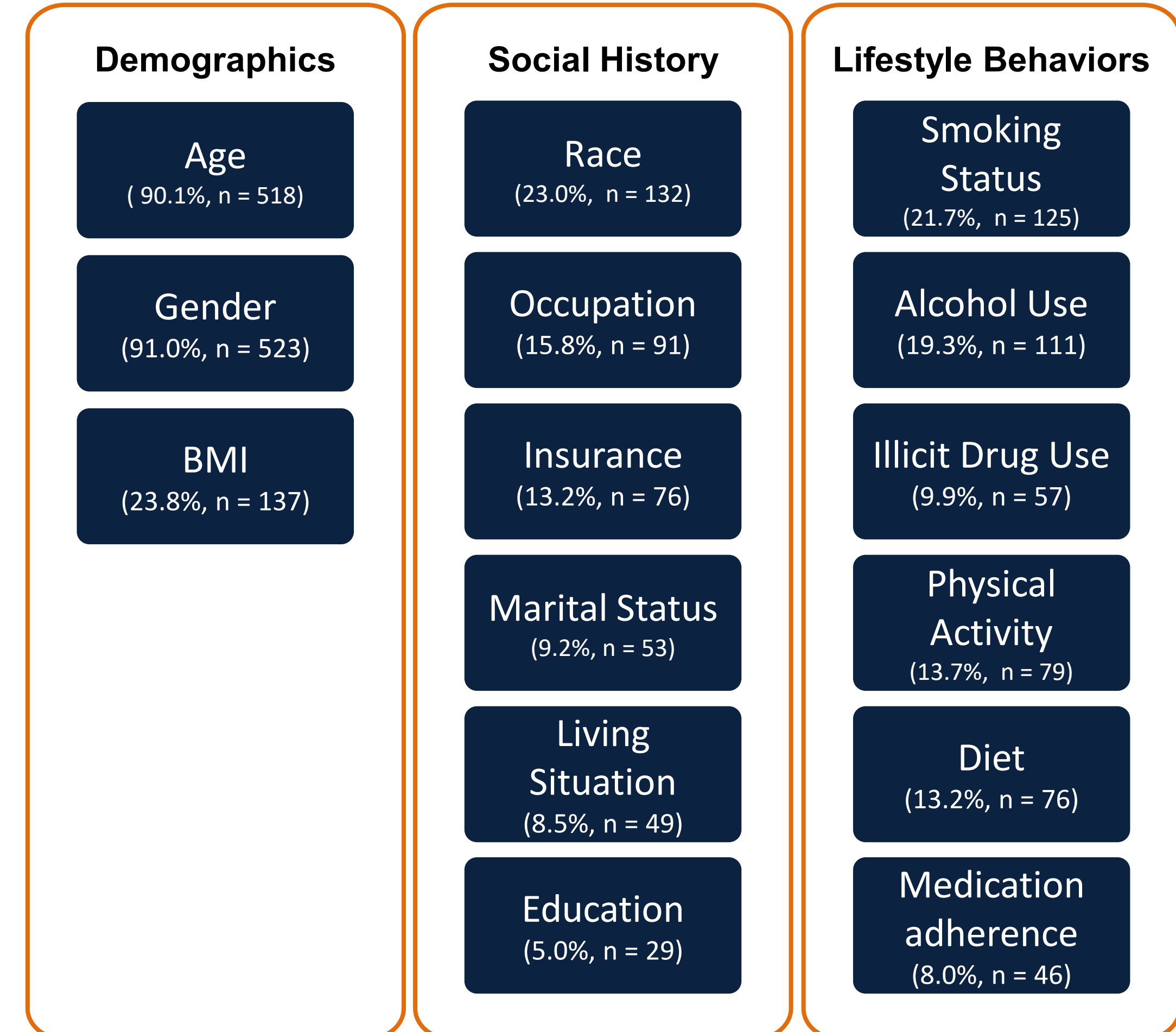
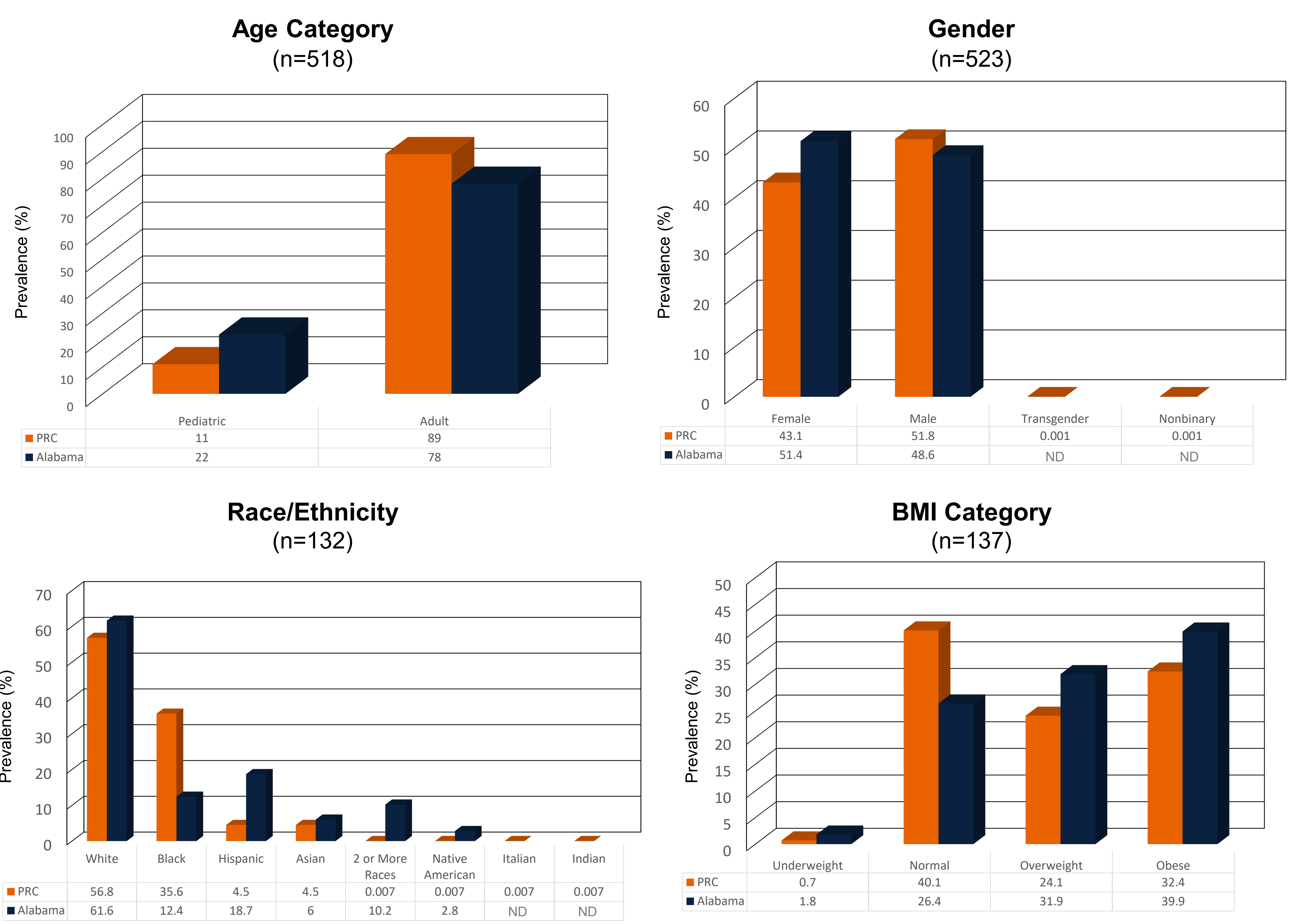


Figure 2. Comparison of Case Contents versus Alabama Demographics



- Age range of all cases was 0.02 to 95 years
- PRC cases overrepresented pediatrics, male gender, black race, and normal BMI compared to Alabama state demographics.
- Cases with racial and ethnic data (23%) misrepresented the state data:
  - White 61.6% (-4.8%)
  - Hispanic 18.7% (-14.2%)
  - Black 12.4% (+23.2%)
  - Asian 6% (-1.5%).
- Social history overrepresented tobacco and alcohol use and lack of insurance:
  - Current tobacco use 44.8% (+27.6%)
  - ≥1 drink in the last 30 days 61.2% (+20.9%)
  - Uninsured 15.8% (+5.9%)
- Education, occupation, diet, exercise, and living situation were less commonly stated.

## Objective

To evaluate the consistency of patient cases in teaching materials of a PharmD curriculum with state population demographics.

## Methods

- Patient cases utilized in teaching materials of all P1-P3 year core courses (24 courses) were reviewed for the 2022/2023 academic year.
  - Performance-Based Assessments and Exam Items were not included in this review.
- Case characteristics were reported based on their prevalence within cases and variation across cases.
- Characteristics were compared to the 2020 Census and 2021 CDC Behavioral Risk Factor Surveillance System (BRFSS) data for Alabama.

## Conclusion

- To ensure representativeness of the state's population, a curricular review of all didactic core courses that incorporate patient cases is necessary.
- Demographic characteristics and details of the patients vary in our cases and could be more representative of the state population.

**References:**  
Behavioral Risk Factor Surveillance System. <https://www.cdc.gov/brfss/index.html> Accessed February 17, 2023.  
US Census Bureau. Alabama: 2020 Data: <https://www.census.gov/library/stories/state-by-state/alabama-population-change-between-census-decade.html> Accessed February 17, 2023.

BMI = body mass index; PRC = Practice Ready Curriculum