



**Statewide Epidemiological
Outcomes Workgroup**

**Quarterly Meeting
08/05/2020**

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UAMS
University of Arkansas for Medical Sciences

Preliminary APNA Survey Data Models

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Preliminary APNA Survey Data Models

Statistical analyses

- Outcome variables analyzed:
 - Lifetime and past 30 days alcohol use and past 30 days binge drinking
 - Lifetime and past 30 days marijuana use
 - Lifetime and past 30 days cigarette use and lifetime e-Cig use
 - Lifetime and past 30 days smokeless tobacco use
- Rates of use were calculated for each county overall and by gender and grade level within each county

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Preliminary APNA Survey Data Models

Statistical Analyses

- Repeated Measures Mixed effects models estimated overall annual means and means by gender and grade level
- Differences between genders, consecutive grades, consecutive years, and 2014 vs. 2019 were estimated and tested for significance
- P-values were adjusted by the False Discovery Rate(FDR) procedure
- Significant changes reported when FDR p-value < 0.05

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