

Differences in cigarette and e-cigarette use among American Indian and Alaskan Natives based on group definition

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Significance

- Most AIAN analyses focus on non-Hispanic, single race individuals
 - But the AIAN population is a diverse population, with about half reporting another race or ethnicity
 - We estimated the prevalence of exclusive and dual use of cigarettes and e-cigarettes from 2014 to 2023 using four AIAN definitions:
- 1) Non-Hispanic (NH)-AIAN single race
 - 2) NH-AIAN multi-race
 - 3) Hispanic AIAN
 - 4) Any AIAN

Methods

- We used data from the Tobacco Use Supplement to the Current Population Survey 2014-15, 2018-19, and 2022-23.
- Cigarette use was defined as those who had smoked at least 100 cigarettes in their lifetime and reported smoking every day or some days.
- E-cigarette use was defined based on everyday or some-day use.
- We examined 1) exclusive cigarette use, 2) exclusive e-cigarette use, and 3) dual use of both products.
- We also report combined prevalence of cigarette or e-cigarette use.

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Results

Figure 1. Trends in exclusive and dual use of cigarettes and e-cigarettes among AIAN male adults, 2014-2023

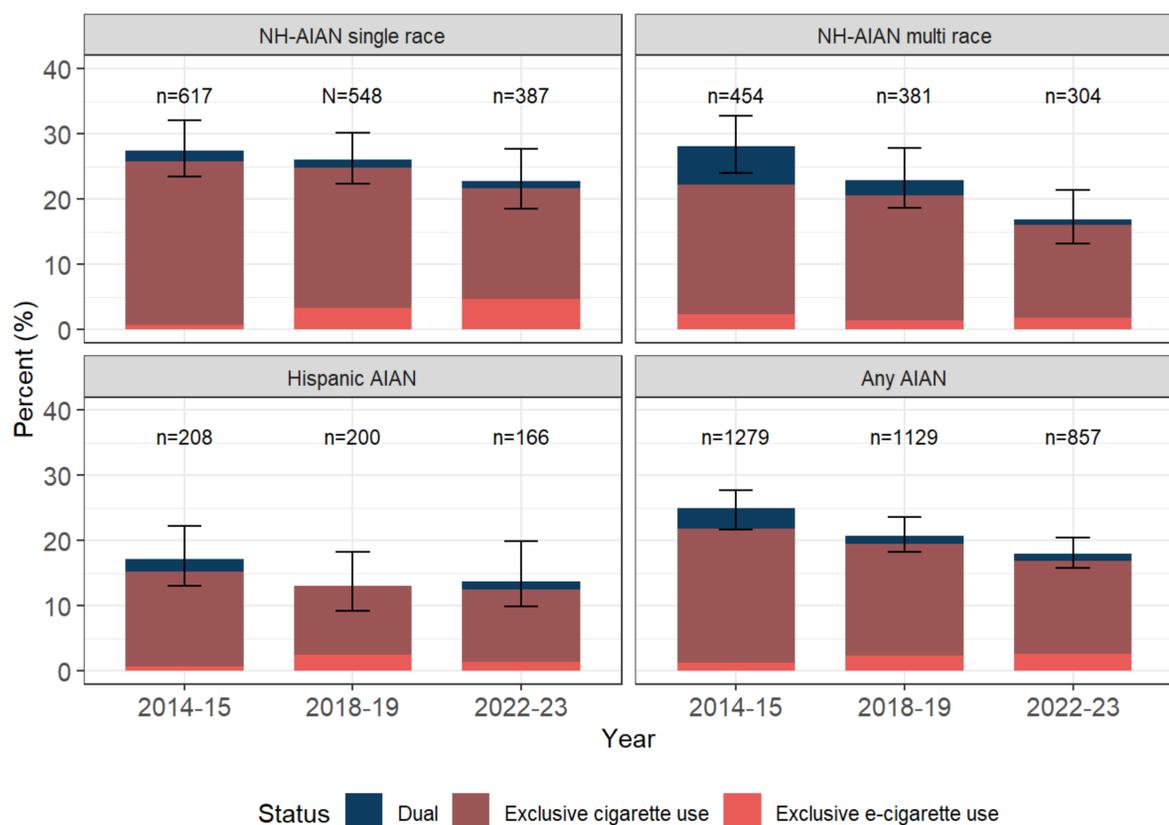
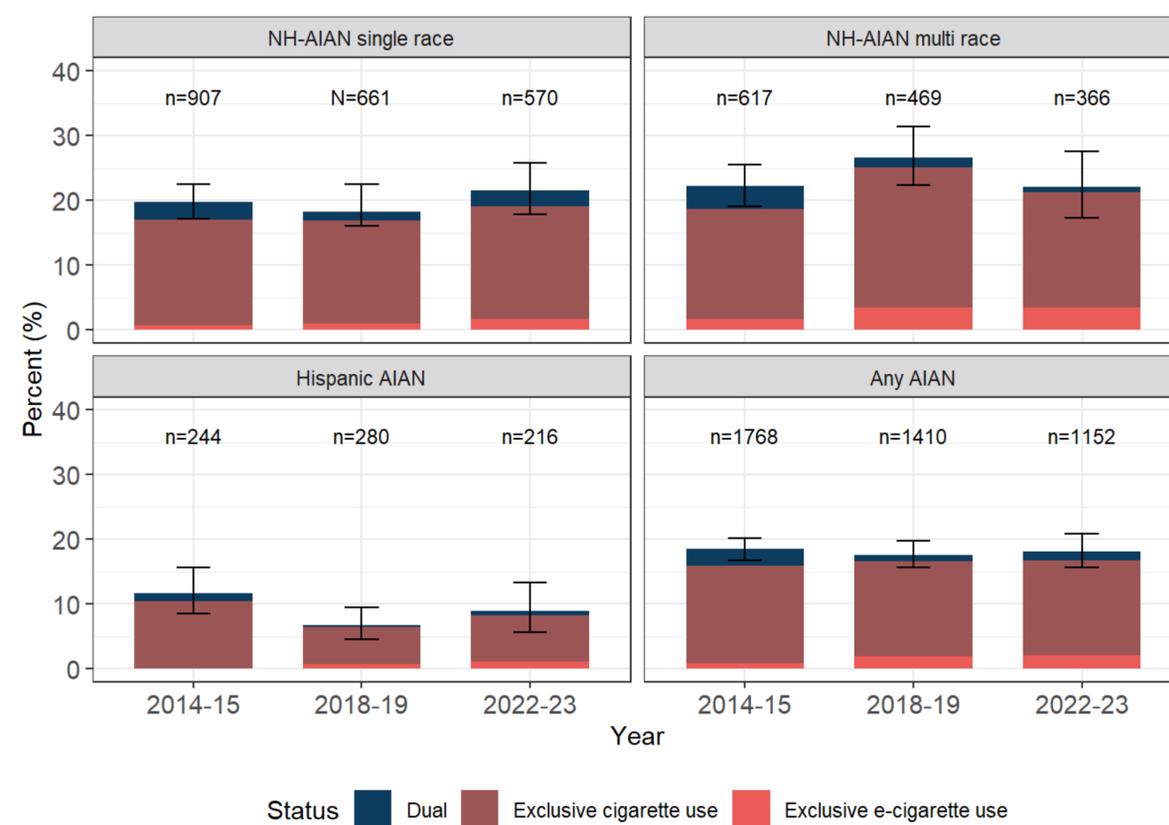


Figure 2. Trends in exclusive and dual use of cigarettes and e-cigarettes among AIAN female adults, 2014-2023



Conclusions

- Cigarette or e-cigarette use declined faster among NH-AIAN multiracial (28.1% to 16.8%) than NH-AIAN single-race males (27.4% to 22.3%), driven by a significant decrease in dual use in the multiracial group (5.9% to 0.8%).
- Multiracial AIAN adults have similarly high rates of tobacco use compared to single-race adults.
- The Hispanic AIAN population is distinct from other AIAN groups because of their lower tobacco use and different sociodemographic profile.
- Smoking is not declining among any AIAN female groups, which warrants further study and intervention:
- Among females, there were no significant declines in exclusive cigarette use. The only group that experienced a significant decrease in dual use was NH-AIAN multiracial females (from 3.5% to 0.7%).
- Among females, there were no significant declines in combined prevalence of cigarette or e-cigarette use for most groups: NH-AIAN single race (19.8% to 21.5%) and multiracial (22.2% to 22.0%), Hispanic AIAN (11.7% to 8.8%), and Any AIAN (18.5% to 18.1%).

	Tobacco Industry	E-cigarette & nicotine product industry (excluding pharma)	Pharma Industry
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