

# Trends in cigarette and e-cigarette use among American Indian and Alaska Native Adults, 2014-2023

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## Significance

- Colonization disrupted all aspects of life in American Indian and Alaska Native (AIAN) nations, including how tobacco was used.
- AIAN communities have had the highest cigarette use of any racial group.
- Rising e-cigarette use could be affecting these smoking patterns.
- No studies have jointly evaluated cigarette and e-cigarette use trends in the adult AIAN population.
- We estimated trends in cigarette use by e-cigarette status and vice versa among AIAN adults, and we compared these trends to the U.S population.

## Methods

- We used data from the Tobacco Use Supplement to the Current Population Survey (TUS-CPS) 2014-15, 2018-19, and 2022-23.
- AIAN definition: we include AIAN individuals, single race or multiracial, who did not identify as Hispanic (n=6281).
- Current cigarette use was defined as those who had smoked at least 100 cigarettes in their lifetime and reported smoking every day or some days.
- Current e-cigarette status was defined based on everyday or some-day use.
- For e-cigarette use, we collapsed the 35-54 and 55+ years into one age category to provide reliable estimates.
- We estimated trends in cigarette use by e-cigarette use status (never, former, current) and vice versa among AIAN adults and the US population.

## Results

Figure 1. Trends in cigarette use by e-cigarette status among males

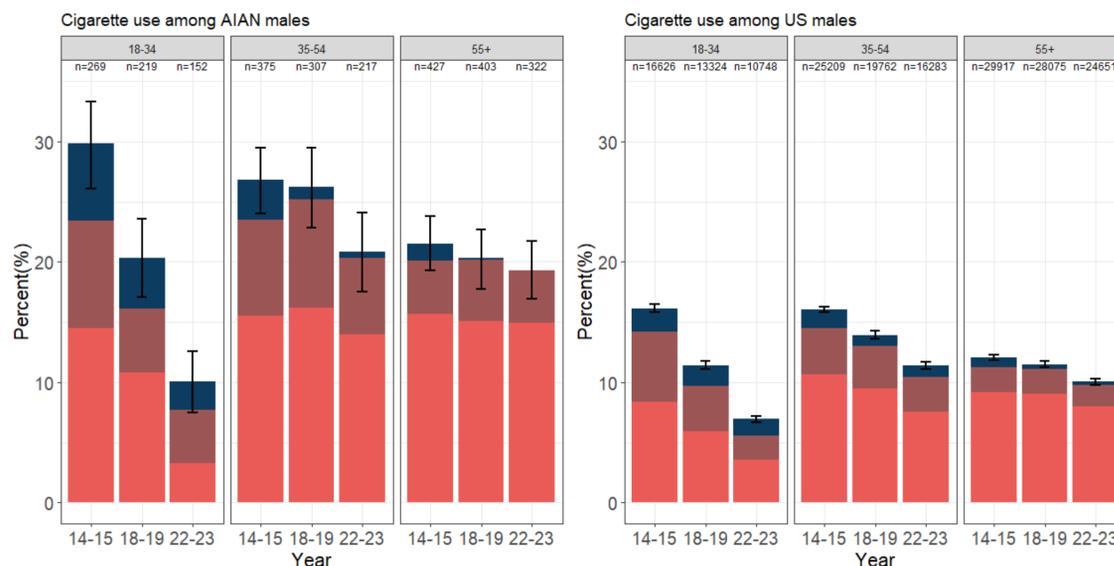


Figure 2. Trends in cigarette use by e-cigarette status among females

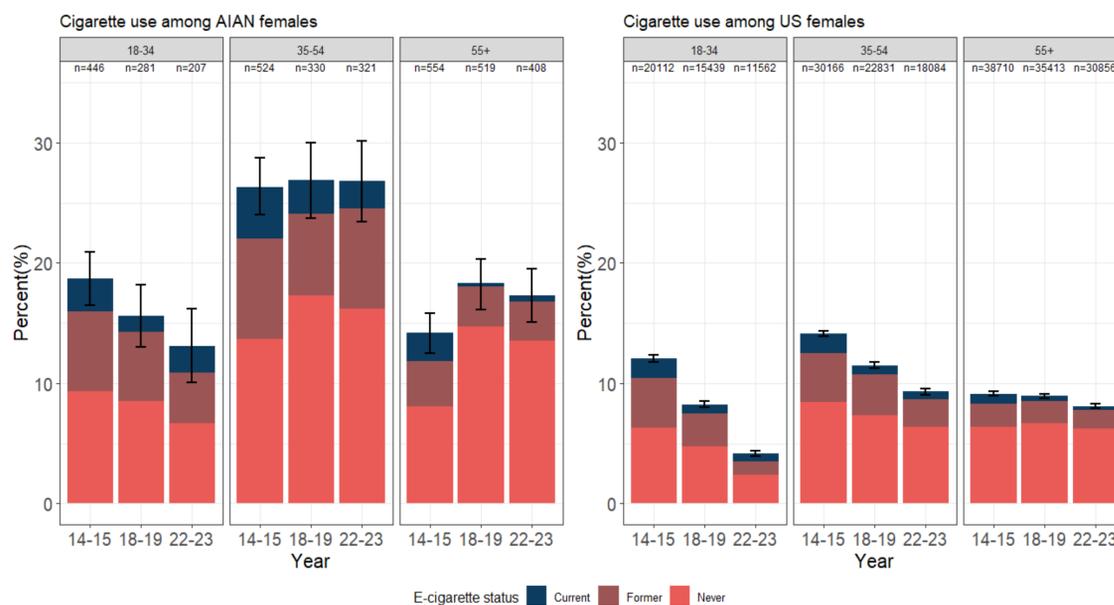


Figure 3. Trends in e-cigarette use by cigarette status among males

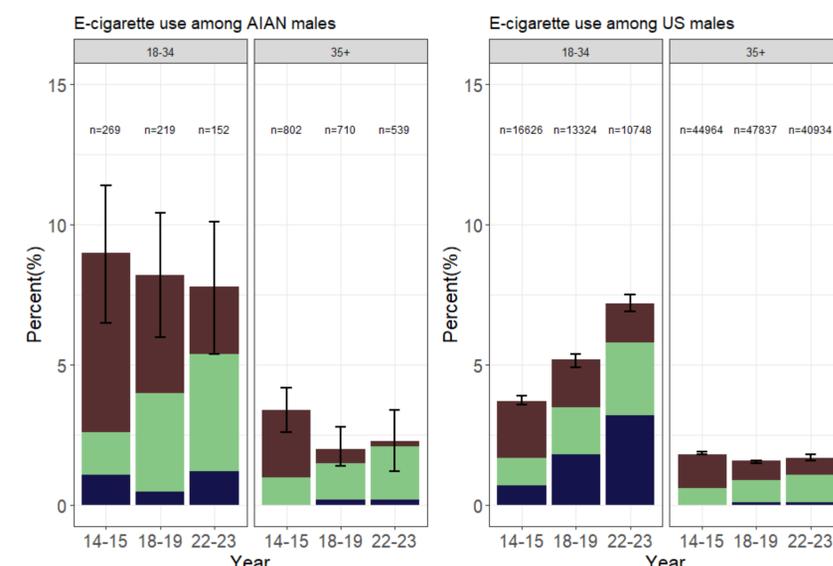
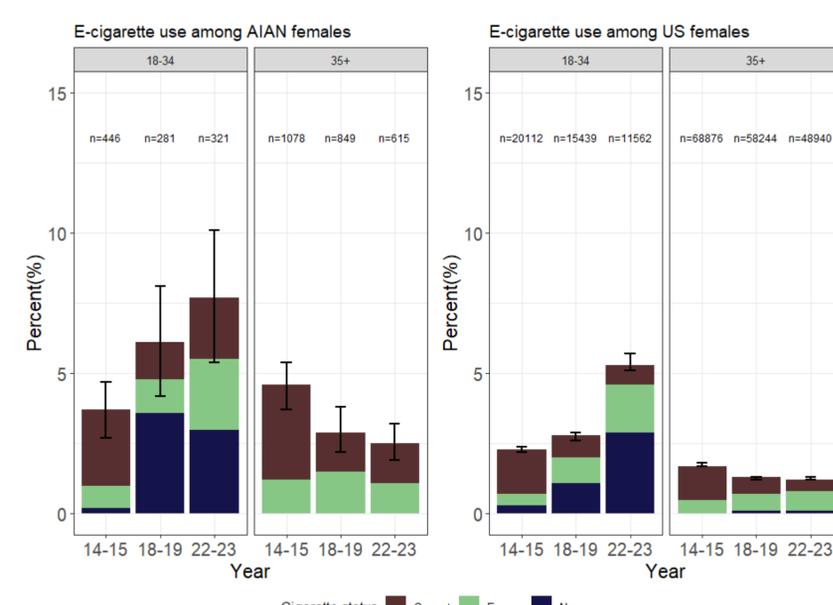


Figure 4. Trends in e-cigarette use by cigarette status among females



## Conclusions

- We found a large decrease in cigarette use for young adult AIAN males, but decreases were less pronounced for young adult AIAN females.
- It is alarming that cigarette use has not declined among AIAN females ages 35+; AIAN females have higher dual use rates compared to US females.
- Cigarette use is decreasing among males aged 35+, but these decreases are not statistically significant.
- E-cigarette use is higher among AIAN males and females compared to their counterparts in the US population.
- Among AIAN individuals who use e-cigarettes, a larger proportion have smoking histories compared to the US population.

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