
Introduction

• Sales of ENDS, particularly JUUL, rose substantially in late 2017 and 2018.
• Did transitions between cigarette, ENDS, and dual use change over this period?
• Were adult and youth transitions affected differently?

Methods


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Visit 1 Visit 2 Visit 3 Visit 4

Cigarette use Non-current use Cigarette use Dual use

Visit 1 Visit 2 Visit 3 Visit 4

Tobacco use states

Data

PATH Study

• Nationally representative longitudinal study of tobacco use 2013–2019
• Compare Wave 1 Cohort in Waves 1-4 to Wave 4 Cohort in Waves 4-5
• Through 2017: 24,306 adults (Waves 1-4) and 12,168 youth (Waves 2-4)
• After 2017: 23,709 adults (Waves 4-5) and 12,217 youth (Waves 4-5)

State definitions and transitions

Tobacco use states were defined from:
• Established use criteria for cigarettes (100+ cigarettes in lifetimes) and ENDS (ever fairly regularly used) and
• Current past-30-day use of cigarettes and ENDS

Key findings

• ENDS use became more persistent, both for ENDS-only and dual cigarette and ENDS users in all groups.
• There were important heterogeneities in ENDS use across the adulthood spectrum
• Youth and young adult non-current, current, and dual users became more likely to transition to ENDS only-use.
• Middle-aged and older adult dual users did not become more likely to transition to ENDS only-use.
• Differences in transitions by gender, and race/ethnicity were similar in 2015-17 vs 2017-2019.