

# Properly Managing E-Cigarette & Vaping Waste

NEWMOA and NERC Webinar | April 27, 2023

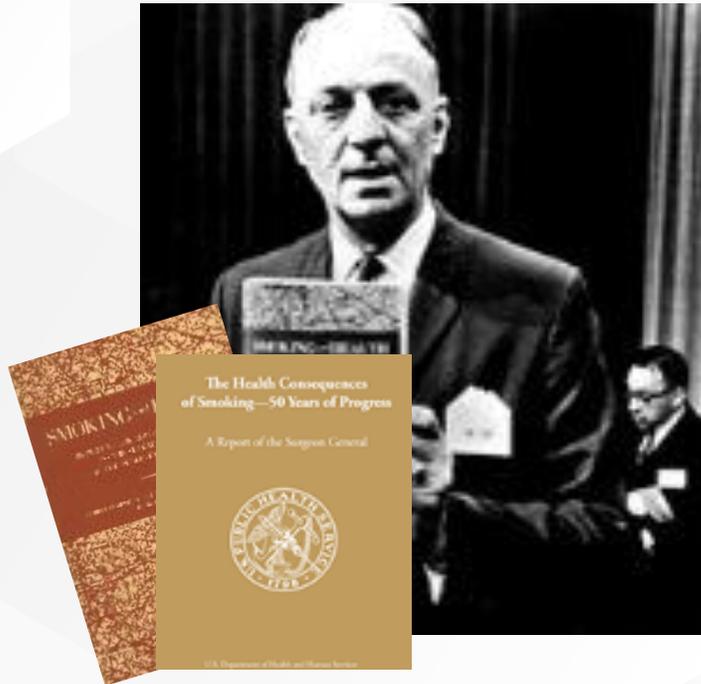
Michael Tynan, MPH | Policy Team Lead

**Centers for Disease Control and Prevention**

National Center for Chronic Disease Prevention and Health Promotion  
Office on Smoking and Health



# Cigarette Smoking: Leading Cause of Death and Disease



**480,000**

Cigarette smoking and secondhand smoke exposure kill about **480,000** Americans each year.



**1 vs. 30**

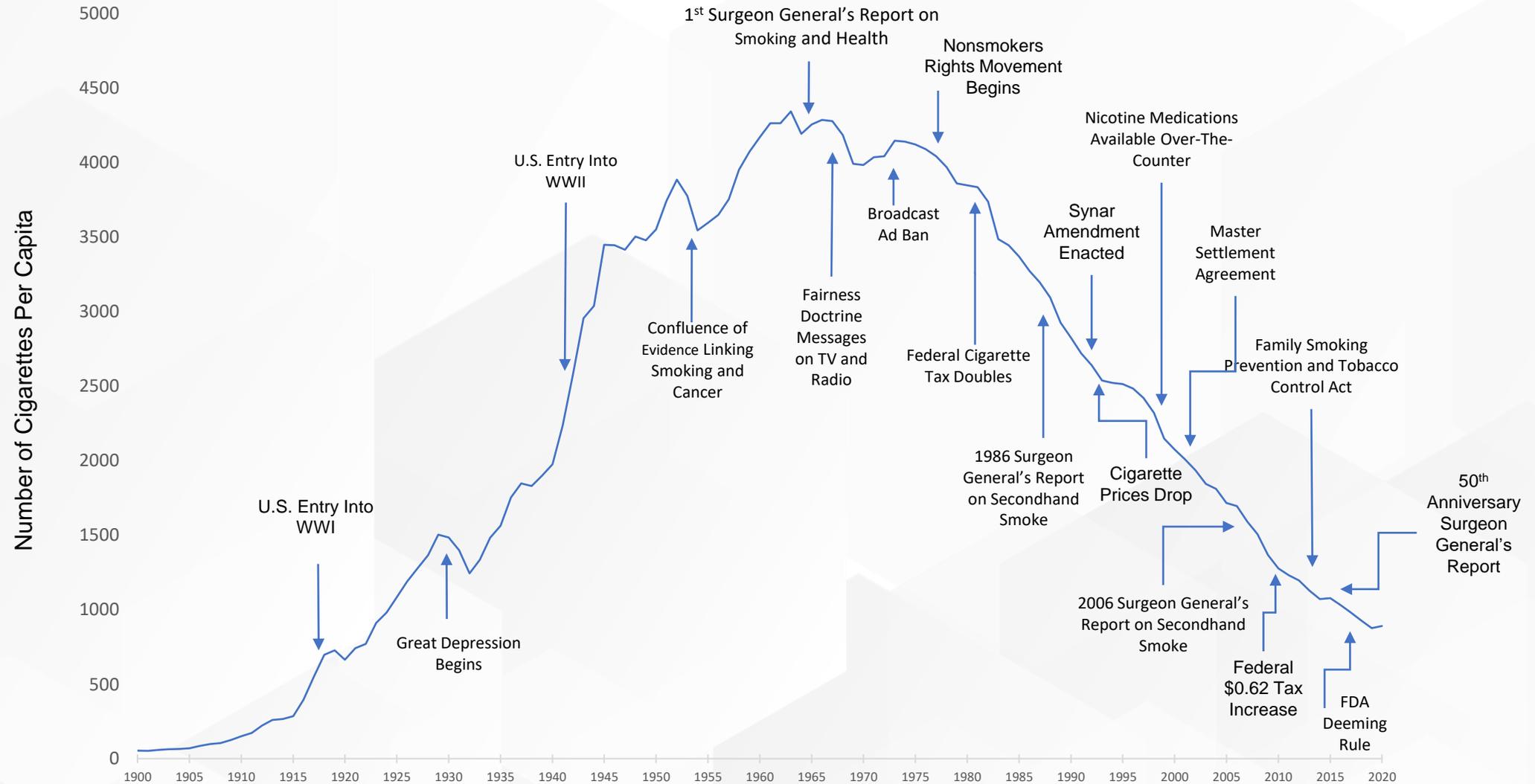
For **every one** smoking-related death, at least 30 people live with a serious smoking-related illness.



**\$300 BILLION**

Each year, cigarette smoking costs more than **\$300 billion** in medical costs and lost productivity.

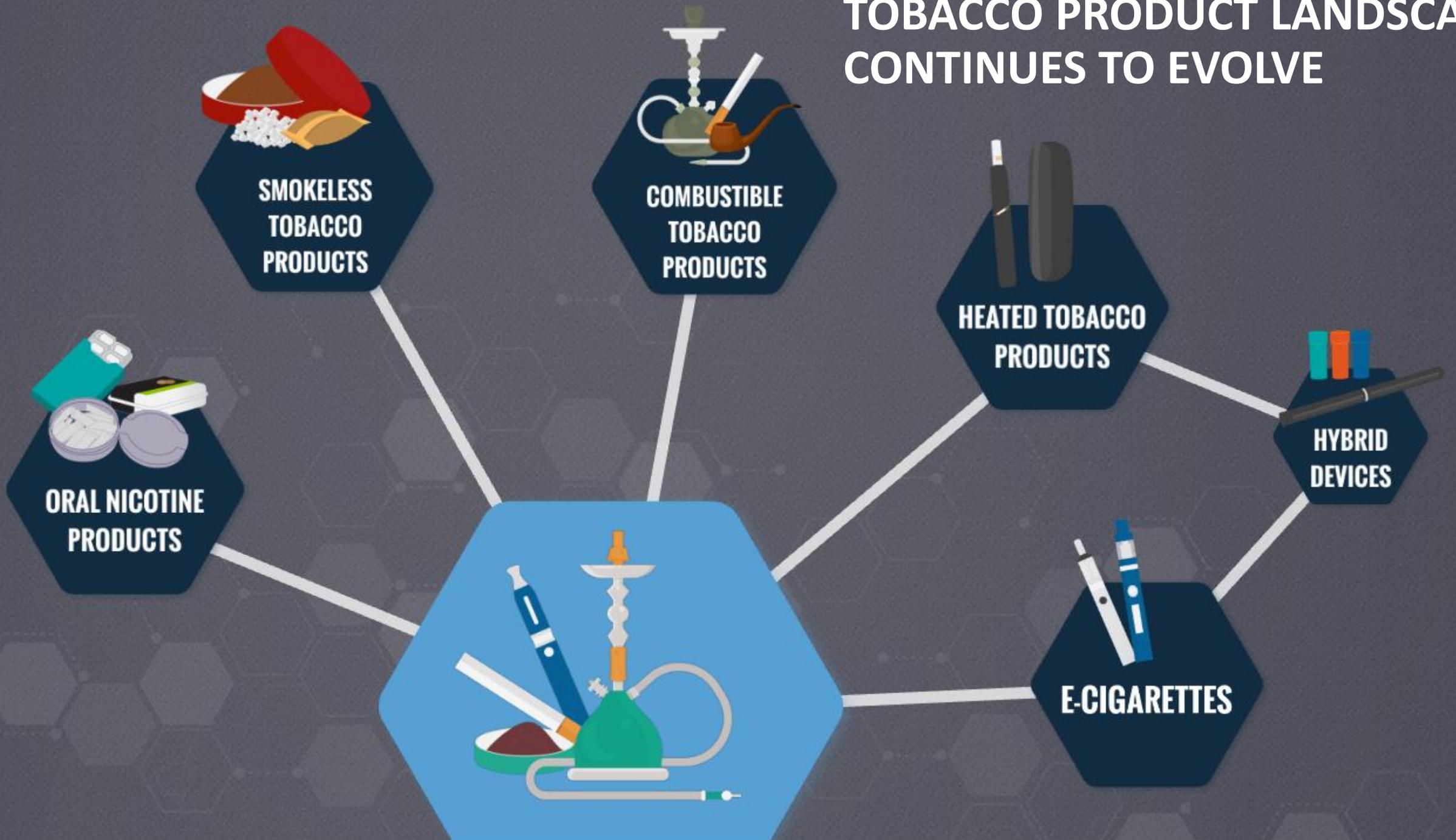
# Per Capita Annual Cigarette Consumption Among Adults, 18 Years of Age and Older, and Major Smoking and Health Events in the United States, 1900–2020



Sources: Adapted from Warner 1985 with permission from Massachusetts Medical Society, © 1985; U.S. Department of Health and Human Services 1989; Creek et al. 1994; U.S. Department of Agriculture 2000; U.S. Census Bureau 2020; U.S. Department of the Treasury 2020.



# TOBACCO PRODUCT LANDSCAPE CONTINUES TO EVOLVE



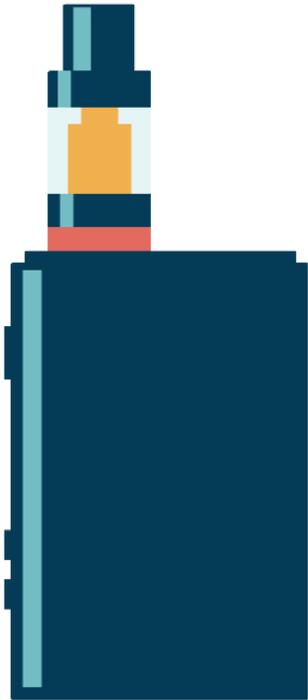
# E-CIGARETTE DEVICE TYPES



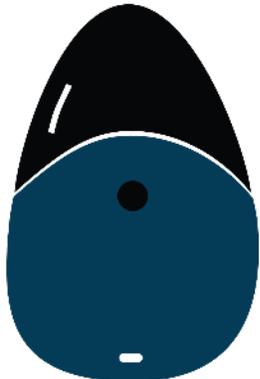
1st Gen



2nd Gen

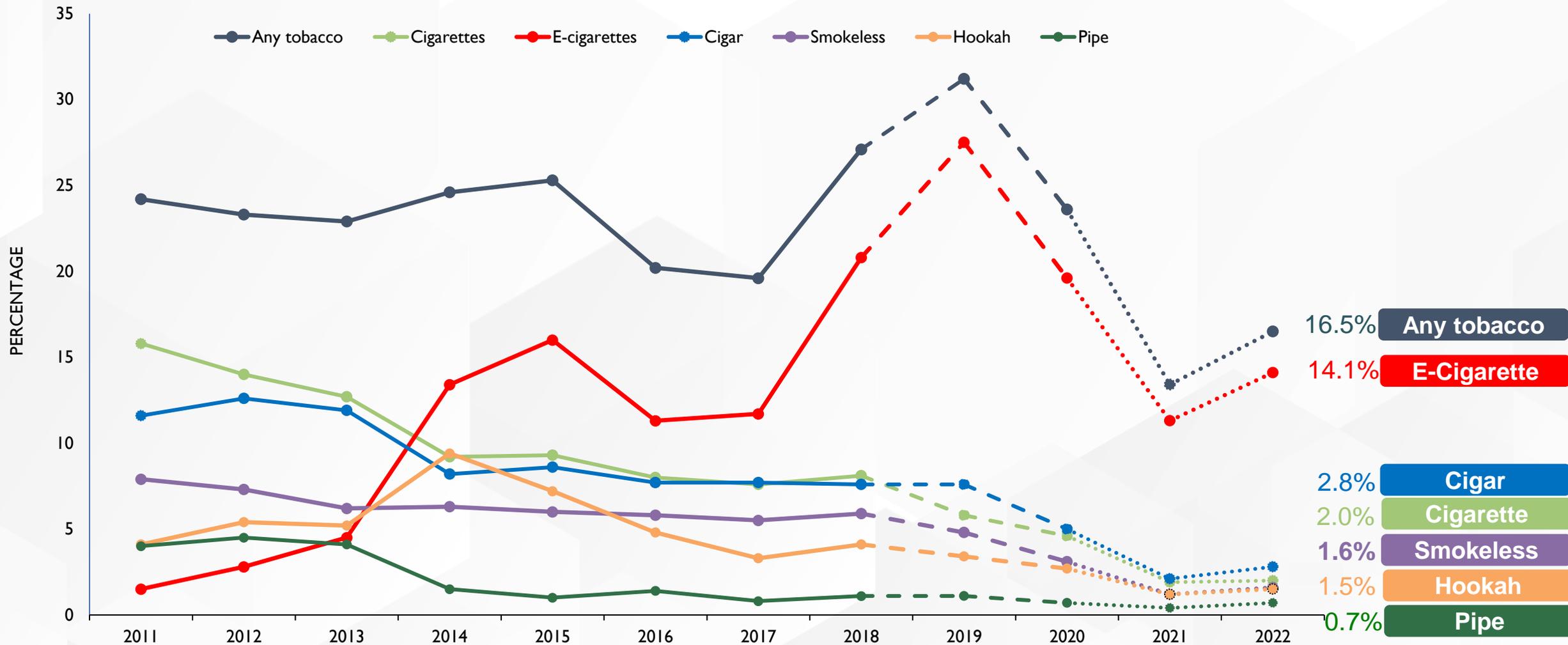


3rd Gen



4th Gen

# Current Tobacco Product Use Among High School Students — NYTS, 2011-2022\*†

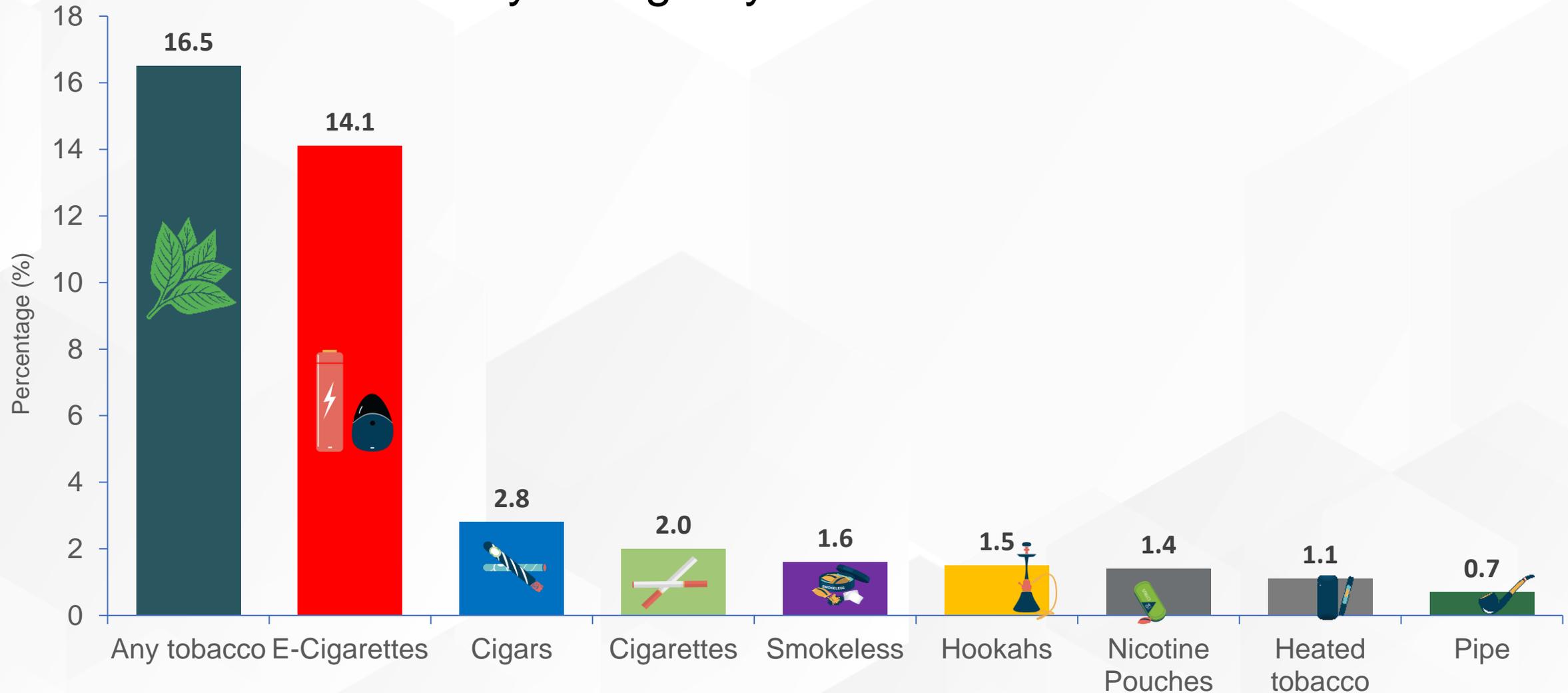


Note: Dashed and dotted lines represent electronic mode of survey administration.

\*In 2020, data were collected January 16 - March 16, 2020. However, analyses were restricted to February 6 - March 16, after the national-level flavor restrictions were implemented.

† 2021 NYTS results cannot be compared with results from previous NYTS surveys that were primarily conducted on school campuses. Because of changes in methodology, including differences in survey administration and data collection procedures, the ability to compare estimates from NYTS 2022 with those from previous NYTS waves is limited; differences between estimates might result from changes in methodology, actual behavior, or both.

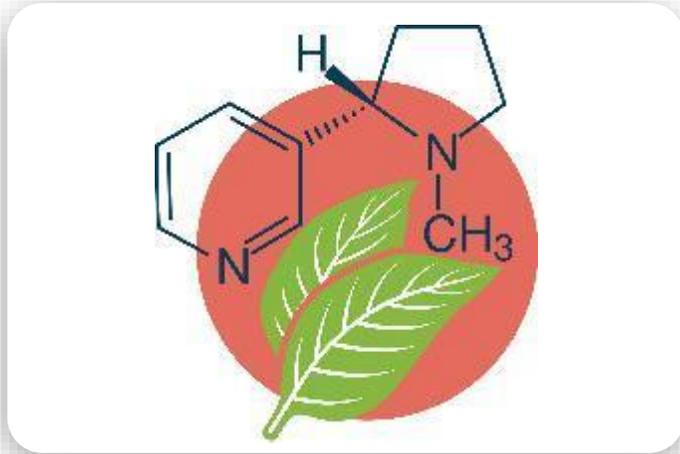
# More Than 2.5 Million U.S. High School Students Reported Currently Using Any Tobacco Product in 2022\*



**Note:** Beginning with the 2021 NYTS and in response to changes in the school environment due to COVID-19, the survey was administered using an online survey to allow eligible students to participate while at school, home, or at some other place.

**Source:** Park-Lee, E; Ren, C; Cooper, M; Cornelius, M; Jamal, A; Cullen, K. Tobacco Product Use Among Middle and High School Students — United States, 2022. MMWR Morb Mortal Wkly Rep 2022;71: 1429-1435.

# Nicotine Poses Unique Dangers to Young People

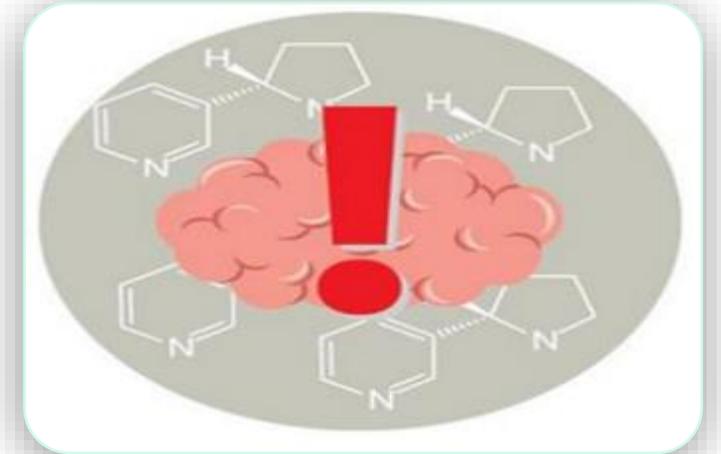


Nicotine is a highly addictive drug.



Nicotine can harm brain development, which continues until about age 25.

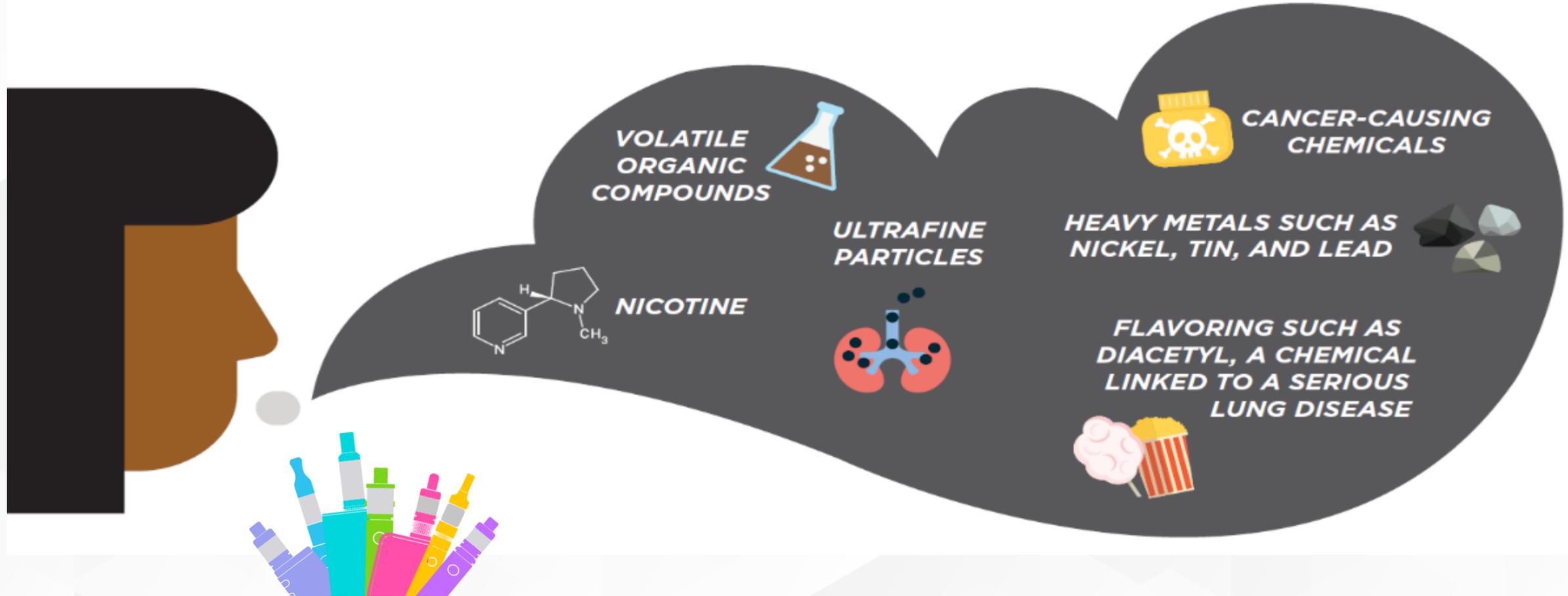
Nicotine can harm the parts of the brain that control attention, learning, mood, and impulse control.



Nicotine can prime the brain for addiction to other drugs.



# E-Cigarette Aerosol is Not Harmless



# Thank You

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.