

POPULATION HEALTH ESTIMATES OF IMPACT OF FLAVORED CIGAR RESTRICTIONS

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Disclaimer: This is not a formal dissemination of information by FDA and does not represent Agency position or policy.

- FDA/CTP Staff published preliminary estimates of potential impact of prohibiting characterizing flavors (other than tobacco) in cigars on US population health in International Journal of Environmental Research and Public Health in 2019
- Updated estimates using the same approach were published in FDA's Notice of Proposed Rulemaking on flavored cigars in 2022



FEDERAL REGISTER
The Daily Journal of the United States Government



 Proposed Rule

Tobacco Product Standard for Characterizing Flavors in Cigars

A Proposed Rule by the Food and Drug Administration on 05/04/2022



2022 ESTIMATES – CESSATION BENEFIT



- Estimated effect of prohibition on current adult cigar smokers
 - Used published estimates of effects on total cigar sales from evaluations of New York City, Providence, RI, and San Francisco restrictions, ~30% decrease with range from 15%-42%
 - Assumed that $\frac{1}{2}$ of decrease would come from smoking reduction and $\frac{1}{2}$ from complete cessation, consistent with cigarette tax literature
 - Based on previous estimates of cigar smoking-attributable mortality for exclusive users in the US, $5200 * 30\% * 50\% = \sim 800$ (90% PR = 400-1100) deaths would be averted per year

2022 ESTIMATES - REDUCTION IN YOUTH USE

~60,000 fewer 18-year-old current cigar smokers in US



CHANGES OVER TIME

- Estimates were current point-in-time estimates
- Modeling could extend estimates over time and account for changes in prevalence

Adult Cigar Prevalence* - National Health Interview Survey

2000	2005	2010	2015	2020**
2.3%	2.2%	2.5%	2.3% (3.4%)	(3.5%)

*w/ 50+ cigar lifetime threshold, w/o threshold in () **post-2019 NHIS Redesign

High School Youth Cigar Prevalence – National Youth Tobacco Survey

2000	2006	2011	2015	2020	2022
14.8%	11.8%	11.6%	8.6%	5.0%	2.8%

Note: NHIS adult prevalence is current everyday or some day use; NYTS youth prevalence is any past-30-day use.

POTENTIAL UPDATES – MORTALITY ESTIMATES



- CTP and RTI (Research Triangle Institute) published estimates of cigar smoking-attributable mortality for US in 2010
- Could be updated with more recent prevalence data (NHIS, PATH, or NSDUH - National Survey on Drug Use and Health)
- Prevalence could be estimated using regular use (threshold, established use, frequency of use) or any use
- Relative risks were from CPS-I and II (generally the 1980s) – more recent NLMS (National Longitudinal Mortality Study) and potentially TLMS (Tobacco Longitudinal Mortality Study) estimates could be used

POTENTIAL UPDATES – FLAVOR RESTRICTION IMPACT



- Additional localities have enacted flavor restrictions, and results from evaluations of their impact on cigar use could be considered
- An expert elicitation on cigar initiation and cessation with a flavor prohibition could also be conducted

THE END – THANKS!

- “Estimating the Potential Public Health Impact of Prohibiting Characterizing Flavors in Cigars throughout the US” <https://www.mdpi.com/1660-4601/16/18/3234>
- “Cigar Smoking Prevalence and Morbidity among US Adults, 2000–2015”
<https://www.sciencedirect.com/science/article/pii/S2211335518302316>
- “Mortality and Economic Costs From Regular Cigar Use in the United States, 2010”
<https://ajph.aphapublications.org/doi/abs/10.2105/AJPH.2014.301991>