Population Health Impact Associated with Nicotine Perceptions

Thad Hannel Ph.D., Principal Scientist Population Science

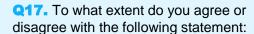


— FAMILY OF COMPANIES ——

April 18, 2023

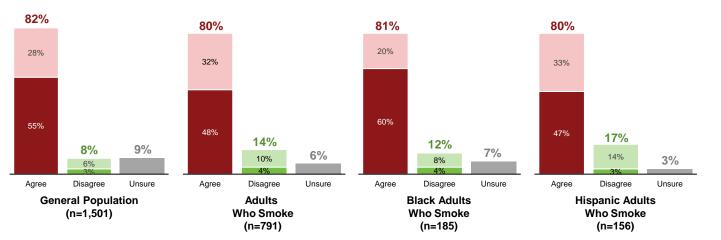


A Majority of Adults Incorrectly Believe Nicotine is a Carcinogen



"Nicotine is a carcinogen, a cancer-causing chemical."





"I believe that misinformation is the leading cause of death right now in the U.S..."

- Commissioner Califf

Association of Health Care Journalists, FDA Commissioner Califf sounds he alarm on misinformation, April 30, 2022

Nationwide survey conducted among n=1,501 general population adults age 21+ ("GP", m.o.e +/- 2.5 from 11/22 - 12/12, 2022 by Metrics & Insights LLC for Altria Client Services LLC Numbers may not foot due to rounding

https://healthjournalism.org/blog/2022/04/fda-commissioner-califf-sounds-the-alarm-on-health-misinformation-at-ahci/



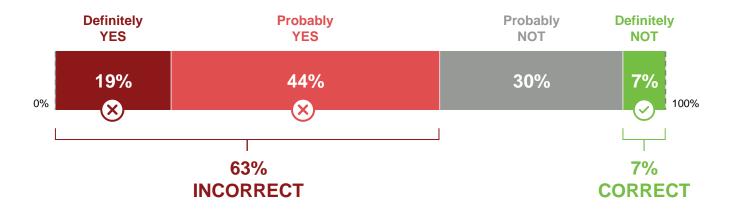
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Nicotine Misperceptions

PATH WAVE 4

ADULT CIGARETTE SMOKERS ASKED

Do you believe nicotine is the chemical that causes most of the cancer caused by smoking cigarettes?





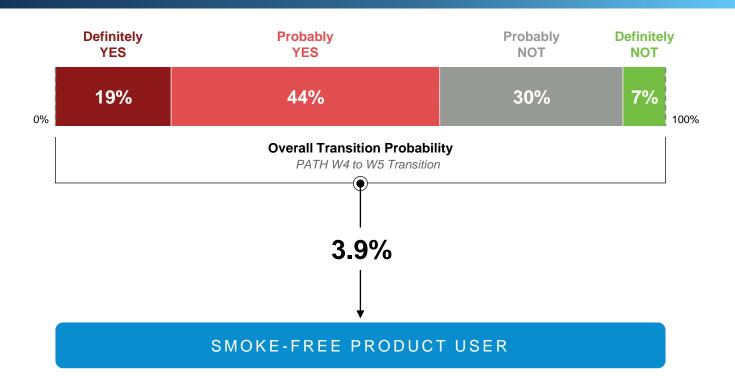
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Nicotine Misperceptions Associated with Lower Switch Rates

PATH WAVE 4

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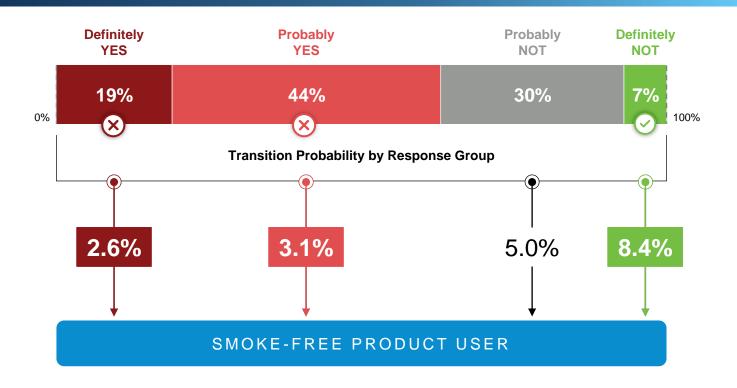
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Nicotine Misperceptions Associated with Lower Switch Rates

PATH WAVE 4

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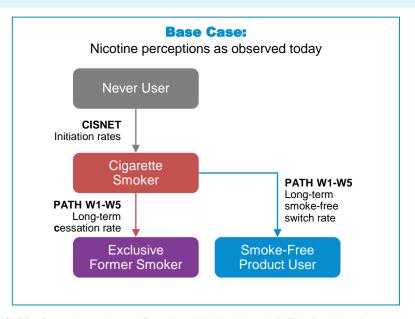


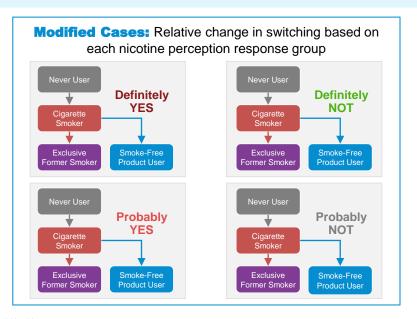
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Modeling Framework

POPULATION IMPACT:

Difference in tobacco use prevalence & all-cause mortality between Base and Modified Case





CISNET = Cancer Intervention and Surveillance Modeling Network; PATH = Population Assessment of Tobacco and Health

Limitations: Transition rate adjustments by perceptions are applied to overall smoker population and do not account for potential differences in age and gender, etc.. Assumptions: Model assumes similar health impact for combined smoke-free product category (ERR = 0.10).

Users of smoke-free products do not cessate.



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Population Health Impact of Nicotine Misperceptions

PATH WAVE 4

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