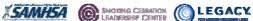
Welcome Pioneers for Smoking Cessation







Menthol: Science, Policy, and Advocacy

Thursday, May 5, 2011 - 1:00 pm ET

During the Webinar

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Welcome



Catherine Saucedo

- Moderator
- **Deputy Director Smoking Cessation Leadership Center** University of California, San Francisco csaucedo@medicine.ucsf.edu

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Agenda

- - Catherine Saucedo, Deputy Director, SCLC, moderator
- Steve Schroeder, MD, Director, SCLC
- Presentation from Legacy Panel
- Ellen Vargyas, JD, General Counsel & Corporate Secretary
- David Abrams, PhD, Senieral Counsel & Corporate Secretary
 David Abrams, PhD, Executive Director, Schroeder Institute and
 Professor, The Johns Hopkins Bloomberg School of Public Health
 Amber Thornton-Bullock, MPH, CHES, Executive Vice President
 of Program Development
- Questions & Answers
- **Technical Assistance and Closing Remarks**

LEGACY.

FDA Regulation of Menthol: From Scientific Evidence to Policy

Ellen Vargyas, JD, General Counsel & Corporate Secretary

David Abrams, PhD. Executive Director, Schroeder Institute and Professor, The Johns Hopkins Bloomberg School of Public Health

Amber Thornton-Bullock, MPH, CHES, Executive Vice President of Program Development

SMOKING CESSATION LEADERSHIP CI

Today's Panelist

- ▶ Ellen Vargyas, JD
 - General Counsel & Corporate Secretary



LEGACY.

Menthol: The Legal and Regulatory Framework

Ellen Vargyas, JD General Counsel and Corporate Secretary



Family Smoking Prevention and Tobacco Control Act

- Signed into law on June 22, 2009.
- Gives FDA broad jurisdiction to regulate tobacco products -- although not to ban them.
- Requires, for example, improved warning labels, prohibits the use of "light" and "low tar" descriptors, bans candy-flavored cigarettes, bars health claims outside of an approved "modified risk" process and mandates the submission of detailed product information to FDA.



Public Health Standard

- FDA may issue tobacco product standards that are appropriate for the protection of the public health.
 - May require the reduction or elimination of an additive, constituent or other tobacco product (may reduce but not eliminate nicotine)
- The "public health" standard is new; it differs from the traditional "safe and effective" standard for drugs and medical devices since tobacco is neither safe nor effective.



Public Health Standard

The FDA must evaluate the scientific evidence regarding:

- Risks and benefits to the population as a whole including both users and non-users of tobacco products;
- Increased or decreased likelihood that existing users of tobacco products will stop using tobacco products; and
- Increased or decreased likelihood that those who do not currently use tobacco products, most notably youth, will start to use tobacco products.



Public Health Standard

Additional Considerations

- Population-based
- Framed in terms of risks, benefits, and likelihoods; not causation
 - Equipoise
- Countervailing concerns including the possibility of a black market



Regulation of Menthol: The Act

- While not itself banning menthol, the Act specifically does not limit FDA's authority to regulate menthol under the public health standard.
- It required the Tobacco Product Scientific Advisory Committee (TPSAC) to issue a report reviewing the scientific evidence regarding menthol within a year of its creation.
- TPSAC issued its report on March 18, 2011.



TPSC Report

- TPSAC concluded that the scientific evidence establishes that the removal of menthol cigarettes from the market would benefit public health in the United States.
 - Menthol is linked to youth smoking initiation and higher rates of smoking prevalence, particularly among youth and African Americans.
 - Menthol is also linked to lower rates of successful smoking cessation particularly among African-Americans



Industry Response

- Argument that there is a substantial risk of a black market
- Attack on TPSAC's "equipoise" analysis
- · Menthol as a "civil rights" issue



Next Steps

- FDA is considering the TPSAC report which is not binding on it.
- If FDA chooses to proceed, it will initiate a formal rulemaking to either prohibit or limit the sale of menthol cigarettes.
- FDA has said that it would make a decision on how to proceed within 90 days of the TPSAC report – about June 16.

Today's Panelist



David Abrams, PhD

 Executive Director, Schroeder Institute and Professor,
 The Johns Hopkins
 Bloomberg School of Public
 Health





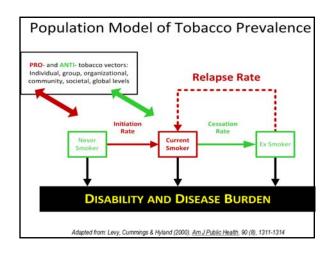
THE SCIENTIFIC PERSPECTIVE

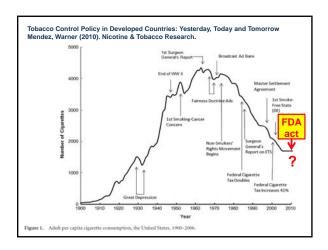
David B. Abrams, Ph.D.

The Schroeder Institute For Tobacco Research And Policy Studies.
The Johns Hopkins Bloomberg School of Public Health

dabrams@legacyforhealth.org

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The FDA Act authorizes the Secretary to issue tobacco product standards,

including a ban on menthol, that are

appropriate for the protection of the public health.



National Survey Data: 2008-2009

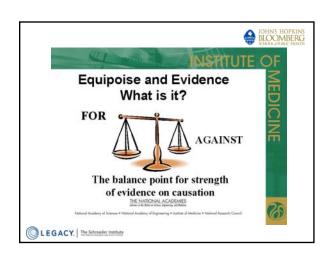


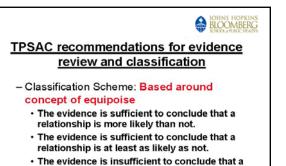
- 34% of current smokers over age 12 smoked menthols
- 19.2 million menthol cigarette smokers
- 1.1 million adolescents ages 12-17
- 80% of African Americans smoke menthols vs. 24% white & 32% Hispanic smokers
- Menthol products accounted for 27% of the US cigarette market
- Major brands: Newport (9.8%), Marlboro Menthol (5.4%), and Kool (2.5%)

More facts and references: see Legacy fact sheet on Menthol on Legacy website

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Reviewing and Classifying Evidence Background and Recommendations Jonathan M. Samet, MD, MS Professor and Flora L. Thornton Chair Department of Preventive Medicine USC Keck School of Medicine Director, USC Institute for Global Health TPSAC, CTP, FDA October 7, 2010





There is insufficient evidence to make a determination of strength of evidence. LEGACY. | The Editoration Institute

relationship is more likely than not

What Data Is Needed To BLOOMBERG **Inform Regulation?** Typical regulatory standard Public health standard Animal studies Epidemiologic studies Tobacco Industry Controlled hum Fcor studies Case studies domized controlled trials Review of tob industry documer HARMS TO INDIVIDUAL COMPARED TO USE OF Systems science (LETHAL) CIGARETTES - mathematical modeling social networks studies LEGACY. The Schroeder Institute

Central Questions Re: Menthol



- What is the association between menthol cigarette use and youth initiation?
- What is the association between menthol cigarette use and adult cessation?
- What is the likelihood that prohibiting menthol would reduce the number of smokers and thereby provide benefit to our nation's public health?

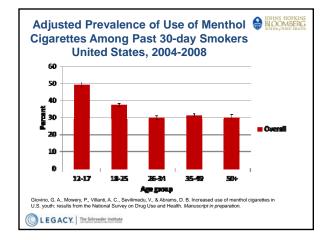
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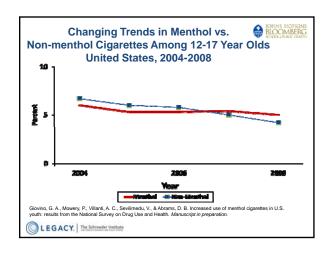
Schroeder Institute at Legacy Commissioned Research to Support FDA

Peer-reviewed publications

- Tauras, J. A., Levy, D., Chaloupka, F. J., Villanti, A., Niaura, R. S., Vallone, D., et al. & Abrams,
 D. B. (2010). Menthol and non-menthol smoking: the impact of prices and smoke-free air laws.
 Addiction, 105(s1), 115-123.
- Villanti, A. C., Vargyas, E.J., Niaura, R. S., Beck, S. E., Pearson, J. L., & Abrams, D. B. (2011).
 FDA Regulation of Tobacco: Integrating science, law, policy and advocacy. American Journal of Public Health, in press.
- Levy, D., Blackman, K., Tauras, J. A., Chaloupka, F. J., Villanti, A. C., Niaura, R. S., & Abrams, D. B. (2011). Quit Attempts and Quit Rates among Menthol and non-Menthol Smokers: Findings from a national survey. *American Journal of Public Health*, in press.
- Levy, D. T., Pearson, J. L., Villanti, A. C., Niaura, R. S., & Abrams, D. B. (2011). Modeling the
 effects of a menthol ban on smoking prevalence in the United States. American Journal of
 Public Health, in press.
- Winickoff, J. P., McMillen, R., Vallone, D., Pearson, J., Tanski, S., Dempsey, J., et al. & Klein, J. & Abrams, D. B. (2011). Attitudes about Banning Menthol in Cigarettes: Results from a Nationally Representative Survey. *American Journal of Public Health*, in press.

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Menthol Brand Switching Among Youth and Syoung Adult Smokers, Overall and Selected Groups* − United States, 2003-2005

	Percent switched menthol to non-menthol (95% CI)	Percent switched non-menthol to menthol (95% CI)
Overall	15.0 (10.8 – 19.2)	6.9 (4.9 – 8.9)
Non-Hispanic	20.4	5.6
Whites	(14.6 – 26.1)	(3.7 – 7.5)
Some college/	16.8	5.1
college grad	(11.1 – 22.5)	(3.1 – 7.0)

*All percentages and 95% CI weighted to be nationally representative

Giovino, G. A., Mowery, P., Villanti, A. C., Sevilimedu, V., & Abrams, D. B. Increased use of menthol cigarettes in U.S. youth: results from the National Survey on Drug Use and Health. *Manuscript in preparation*.



		Quit attempt in the past year		Quit ≥ 3 months and ≤ 1 year		Quit ≥ 3 months and ≤ 5 years	
	Percent of total smokers	Percent	Percent difference from non- menthol	Percent	Percent difference from non- menthol	Percent	Percent difference from non menthol
2003 Total	100.0%	39.4%		4.3%		20.8%	
Non-menthol Menthol	70.0% 25.9%	39.3% 40.9%	(4.3%)	4.4% 4.2%	-3.9%	21.2% 18.8%	(-11.3%)
No Preference	4.2%	28.8%	-26.7%	4.8%	8.6%	32.4%	53.1%
2007 Total	100.0%	38.8%		4.6%		20.7%	
Non-menthol	70.2%	38.1%		4.6%		21.2%	
Menthol	25.7%	41.4%	(8.8%)	4.1%	-12.2%	18.3%	(-13.8%)
No Preference	4.1%	35.4%	-7.1%	7.5%	61.0%	31.6%	48.7%



Written Document to Support FDA-TPSAC Presentation on Monday, Jan. 10, 2011

"What Menthol Smokers Report They Would Do If Menthol Cigarettes Were No Longer Sold"

Anne Hartman, M.S., M.A., Biostatistician

Risk Factor Monitoring Branch/Applied Research Program

Division of Cancer Control and Population Sciences National Cancer Institute



	% Switch to non-menthol cigarettes (95% CI)	% Switch to some other tobacco product (95% CI)	% Quit smoking and not use any other product (95% CI)	% None of the above (95% CI)	% Don't Know/ Refused (95% CI)
Overall (n= 2,887)	36.2 (33.9-38.6)	7.7 (6.7-8.9)	(36.8-41.1)	9.4 (8.2-10.6)	7.7 (6.6-9.1)
NH-White	42.2	7.9	34.2	7.4	8.3
(n = 1,704)	(39.3-45.3)	(6.5-9.6)	(31.5-37.0)	(6.1-9.0)	(6.6-10.3
NH-Black	25.7	7.6	(42.5-51.1)	12.2	7.8
(n = 763)	(22.6-29.1)	(5.6-10.1)		(9.9-14.9)	(6.0-10.3)
Males	38.7	9.9 (8.1-12.0)	35.6	8.2	7.6
(n = 1,170)	(35.3-42.3)		(32.1-39.3)	(6.6-10.0)	(6.0-9.6)
Females	34.1	5.9 (4.7-7.4)	41.8	10.4	7.8
(n = 1,717)	(31.2-37.0)		(39.2-44.5)	(8.9-12.2)	(6.4-9.5)
18-44 yrs	36.5	8.1	40.6	8.3	6.5
(n = 1,484)	(33.4-39.8)	(6.7-9.7)	(37.4-43.9)	(6.8-10.2)	(5.0-8.3)
(n = 1,717)	(31.2-37.0) 36.5	(4.7-7.4) 8.1	(39.2-44.5) 40.6	(8.9-12.2) 8.3	(6.

Estimated Number of Lives Saved After Menthol Ban, 2010-2050 Lives saved TOTAL POPULATION 10% change 323,107 20% change 478,154 30% change 633,252 **AFRICAN AMERICANS ONLY** 10% change 91,744 20% change 164,465 30% change 237,317 LEGACY The Schroeder Institute

The Schroeder Institute at Legacy Presented Data that Supports the Conclusions Reached by TPSAC's Report to FDA in March 2011



Removal of menthol cigarettes from the marketplace would benefit public health in the United States

Evidence is sufficient that:

- The availability of menthols results in lower likelihood of smoking cessation success in African Americans (Above Equipoise)
- The availability of menthol cigarettes results in lower likelihood of smoking cessation success in other racial/ethnic groups (At Equipoise)

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TPSAC Report to FDA – CTP (Continued):

Evidence is sufficient that:

- There is a causal relationship between the availability of menthol cigarettes and regular smoking among youth (Above Equipoise)
- Menthol cigarette marketing increases prevalence of smoking beyond anticipated prevalence if such cigarettes were not available -- for the whole population, and for youth and African Americans (Above Equipoise)



Industry Counter Actions



- Industry report: "Menthol Cigarettes: No Disproportionate Impact on Public Health" (March 2011)
 - Uses Surgeon Generals Report causality framework to assess evidence
 - "This approach contrasts sharply with TPSAC's adoption of an <u>unorthodox standard using the</u> <u>amorphous concept of equipoise</u>, which historically has been used to address issues not relevant here – such as how to ethically conduct randomized clinical trials or award veterans' benefits."



Industry Counter Actions



- · Advertisements freedom of choice
- Lorillard Website Visits to Congress
- Support from African American Leadership Groups
- · Black market and economic concerns
- INDUSTRY MADE presentations to TPSAC
 - Menthol smoking "misclassified" in national surveys
 - "insufficient evidence to suggest age-related trends for menthol cigarette preference"
 - "smoking has declined much more rapidly among African Americans among whom menthol smoking is more prevalent, and that decline is most pronounced among young African Americans"



What's Ahead



- FDA-CTP review of TPSAC menthol report and will consider:
 - TPSAC's report
 - The Tobacco industry perspective reports
 - FDA-CTP will continue its ongoing review of the available science and regulatory options available under the Tobacco Control Act
 - CTP intends to provide its first progress report on its review of the science in June 2011.



Challenges



- Decision-making with incomplete data
 - Effects of menthol ban cannot be determined without a ban
- Difficult to receive funding for this type of research

 Resources dwarfed by industry funding
- · Balance of science and advocacy
- · Consensus building among scientific community
- The Industry "Playbook": remember the 1960's?

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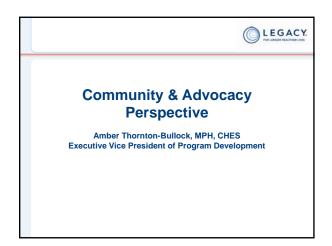
Strengths



- Coordinated response from scientific, legal, and advocacy perspectives
 - Anticipate legal challenges
 - Address statutory standard
- "Just in time" policy-relevant research
- · Direct response to tobacco industry arguments
 - Re-analysis of data
 - Responses to submitted comments from industry
- Provide framework for assessing evidence under public health standard









Community & Advocacy Overview

- Historical Context
- Bringing the issue front and center: Pre Act - Family Smoking Prevention and Tobacco Advocacy efforts
- Building Upon Evidence Getting the Word Out



Community/Advocacy Overview

- TPSAC Report
- No Big Surprise Industry Response
- Community Challenges & Opportunities



African American Community: Historical Context

- Built over time
- Ties that bind
 - Financial Support
 - Employment
- Menthol Wars (1960s to 1980s)
- Increased prevalence of use amongst African Americans and many other disparate population groups



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Bringing the Issue Front & Center

- Menthol excluded from "candy flavored cigarette ban" in proposed law
- Rationale for candy flavor ban is to reduce youth initiation uptake but what about communities of color youth who uptake with menthol?
- Advocacy efforts most notably NAATPN and others
- Result: New law directed FDA to make menthol a priority



Building Upon Evidence – Getting the Word Out



- 2nd Menthol Conference encouraged a broader definition of menthol harm
- Addiction Journal
- SNRT Journal
- Tobacco Industry Documents



Building Upon Evidence – Getting the Word Out

- Priority Population & Mainstream Organizations Call for a Ban (NAACP Legal Defense Fund, NAATPN, AATCLC, CASA, AAP, etc.)
- Educational Webinars NAATPN & AATCLC
- TPSAC Testimony & Submitted Comments





TPSAC Report

- "..removal of menthol cigarettes from the market would benefit public health in the United States".
- If menthol is ban many lives across all community and multi-population sectors - could be saved
- More than half of Americans support a ban on menthol, with greater support among African Americans



No Big Surprise – Industry Response

- Industry pitch points:
- Underground market & crime
 - Choice: "..unfairly target African American Smokers" (CORE)
 - "Paternalistic"
- Economic conflict of interests: "Our inner city stores are our menthol stores"*

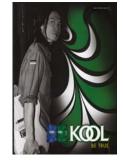
*Source: Cindy Gross, Buyer and Marketing Coordinator, Handee Marts Inc., a 7-Eleven licensee as quoted from Menthol Ban Unlikely, Say C-store Execs, CSNewsTobacco Retailing.com, 10/14/2010

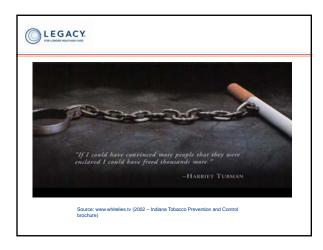




Community Challenges & Opportunities

- Impacting the "ties that bind"
- Educate, educate and don't stop
- We've had success before (Boston – X cigarette test market, etc.)
- Community organizing & youth voice - beyond traditional public health









FDA Center for Tobacco Products – Menthol Resources

Tobacco Products Scientific Advisory Committee's Menthol Report Overview:

 $\frac{http://www.fda.gov/AdvisoryCommittees/CommitteesMeetingMaterials/Tobacco}{ProductsScientificAdvisoryCommittee/ucm247605.htm}$

- Gary Giovino, PhD Patterns of and Recent Trends in Use of Mentholated Cigarettes in the United States: http://www.fda.gov/downloads/AdvisoryCommittees/CommitteesMeetingMater als/TobaccoProductsScientificAdvisoryCommittee/UCM234658.pdf
- David T. Levy, PhD Modeling the Future Effects of a Menthol Ban on Reduced Smoking Prevalence and Deaths Averted in the US: http://www.fda.gov/downloads/AdvisoryCommittees/CommitteesMeetingMateri
- Jonathan Winickoff, MD Public Attitudes on Prohibiting Menthol Cigarettes: http://www.lda.gov/downloads/AdvisoryCommittees/CommitteesMeetingMateri als/TobaccoProductsScientificAdvisoryCommittee/UCM/234656.pdf



For more information, please contact:

Karen Martin
Senior Director, Collaboration and Outreach kmartin@legacyforhealth.org

Questions & Answers

Feel free to ask questions via the chat box.



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Closing Remarks

Please help us by completing the post-webinar survey.

Thank you for your continued efforts to combat tobacco.

SAVE THE DATES:

Thursday, June 2nd from 1-2:30 pm ET

Dr. Jill Williams, "Update in Smoking in Schizophrenia"

<u>Tuesday, June 28th from 2-3:30 pm ET</u>

Dr. Jodi Prochaska, "Tobacco Use & Bipolar Disorder: Results from a Large Online Survey"