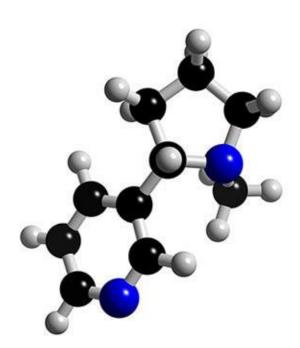
Comprehensive approach to Nicotine: Misperceptions, Regulation and Science

The Public Health View



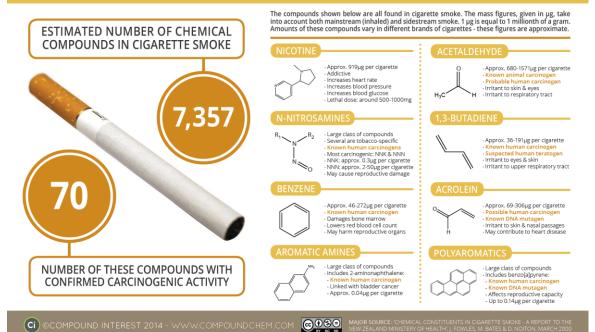
Nicotine



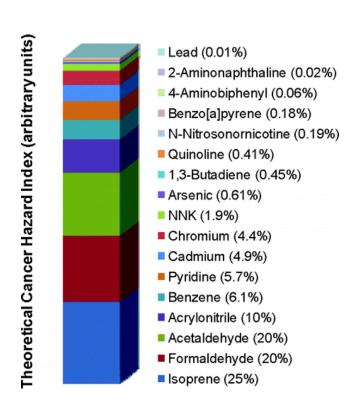
Tobacco Products contain many chemicals

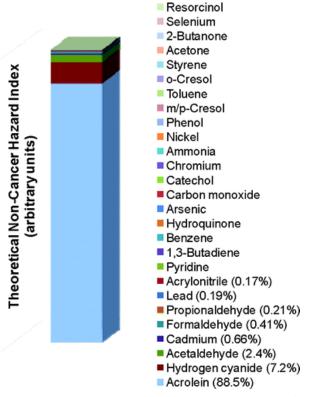
CHEMICAL COMPOUNDS IN CIGARETTE SMOKE

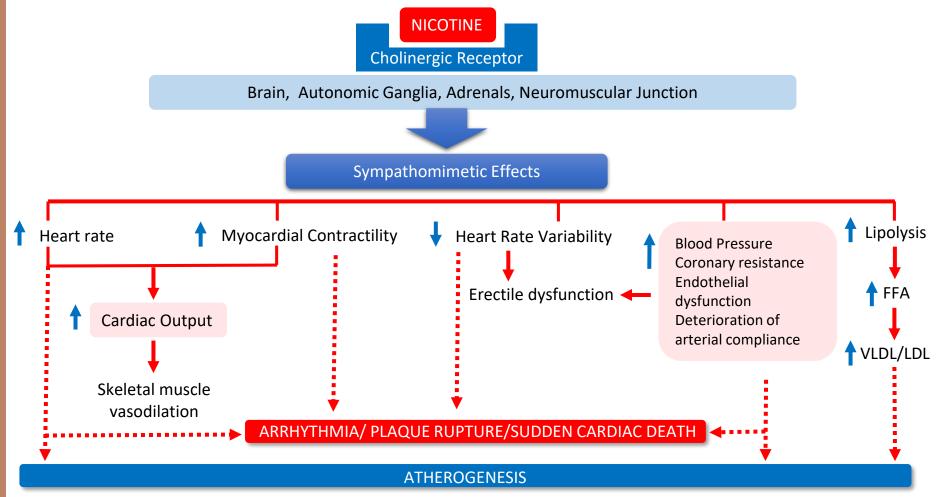
A SUMMARY OF A SELECTION OF HAZARDOUS COMPOUNDS IN CIGARETTE SMOKE & THEIR EFFECTS



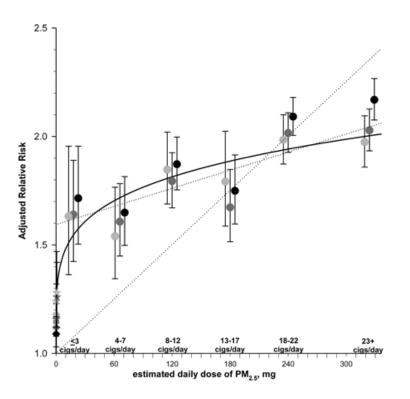
Hazard Index Analysis







Non-linear relationship between smoking and cardiovascular disease



Most of the risk of smoking is at low doses: 80% of the harm at <3 cigarettes per day

A continuum of risk



Assessment and Communication of Risk



Risk Communication as Part of FDA's Comprehensive Approach to Nicotine: Whose Job is it Anyway?



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History of Deception?

- "Light, Low, Mild" Claims not so much
- Section 911 MRTP
- Nicotine = tobacco?

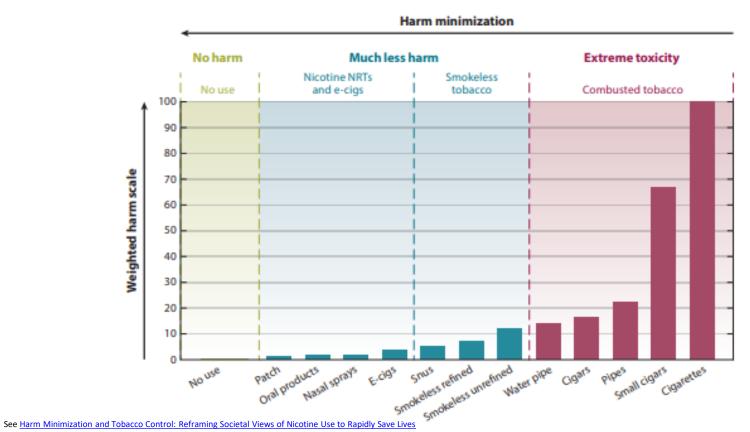




New Era of Tobacco Harm Reduction

- Next gen products offer real THR opportunity
 - the Continuum of Risk
- Without a doubt less harmful that smoking
 - See RCP, PHE, NASEM, even American Cancer
 Society
 Royal College

The Continuum of Risk



Public Perception

- How should this be communicated to the public
- FDA appears to acknowledge Continuum of Risk see Deeming Rule preamble, Commissioner's remarks, etc.
 - Drowned out by louder anti voices and eager media

Food and Drug Administration

- FDA's outreach efforts focus on harms of nicotine, not relative risk
 - Impact on adolescent brain
 - Addictive
 - Cardiovascular impact
- All important concerns, but why such a one-sided approach to communication?



Resistance to Truth – Why?

- Ideology based on precautionary principle
- Fear of the unknown long-term impact?
 Population risks?
- Tobacco industry "baggage" hampering real next gen reduced risk products

A Different Approach: UK

- British government now actively promoting vaping, physicians encourage patients to switch from cigarettes
- UK has second-lowest smoking rate in Europe



Correcting Misperceptions

- FDA encourages industry to engage in dialogue – but the law prevents truthful communication of modified risk without approval
- First Amendment challenges to Section 911
 MRTP provision now pending
- What role do the public health NGOs play?



Thanks!

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Risk Communication as Part of FDA's Comprehensive Approach to Nicotine: Whose Job is it Anyway? Role of Industry

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OVERVIEW

- Use Commissioner Gottlieb Language
- Be Willing to Reach Out to Audiences
- Tell Stories; Provide Context
- Seek Opportunities to Work with Non-Industry Organizations
- The Audience is not FDLI
- State and Local Initiatives



Use Commissioner Gottlieb Language

- There is only one FDA Commissioner, and hopefully he is considered a credible source. And there is an abundance of language from Commissioner Gottlieb: July 28, 2017 Announcement; articles, speeches, Statements when issuing ANPRMs.
- Statements made by anyone from a regulated industry is suspect.
- Always better to quote a credible party: such as a satisfied customer, or an academic researcher for science based issues.



Be Willing to Reach Out to Audiences

- Company staff should serve as "ambassadors" and be willing to have informal conversations or formal presentations describing the harm (or lack thereof) of nicotine and the continuum of risk.
- Personal examples:
 - Swedish American Chamber of Commerce;
 - Swedish Ambassador
- Start with: "As stated by FDA Commissioner Gottlieb…"



Tell Stories; Provide Context

- For Swedish Match it is the "Swedish Experience" and the story is:
 - Human health evidence regarding nicotine
 - Very low smoking rates in Sweden and Norway
- Stories about how we got in the situation we are in
 - Lynn Kozlowski article in Harm Reduction about how US smokeless products ended up with the current warning labels:
 - Origins in the USA in the 1980s of the warning that smokeless tobacco is not a safe alternative to cigarettes: a historical, documents-based assessment with implications for comparative warnings on less harmful tobacco/nicotine products

Seek Opportunities to Work with Non-Industry Organizations

- There is a need for organizations such as:
 - Foundation for a Smoke Free World;
 - Duke Margolis Center for Health Policy;
 - Iowa Attorney General Tom Miller lead initiative.
- It would be nice to see academic institutions break out of the confines of research and address policy and risk communication needs.
- But can they deal with the controversy that seems to come when there is industry involvement?



The Audience is not FDLI

- I have spoken/written to more FDA officials than I have nicotine users
- Recent session with retailers:
 - They are dealing with a huge influx of products; every week a manufacture asked them to carry a new product.
 - Is this new product safe? Not is it "low risk", but rather will it explode?
 - How much nicotine is in the product and where does the nicotine come from? Is the manufacturer trustworthy?



State and Local Initiatives

- Need to communicate with state and local legislative bodies who are considering bills.
- Are they willing to let FDA take the lead? Do they care what Commissioner Gottlieb says?

