Electronic Cigarettes

Phil Huang, MD, MPH Medical Director/Health Authority Austin/Travis County HHSD

Regulation of E-Cigarettes

- <u>Not</u> currently regulated and many are produced outside the United States
- <u>No</u> oversight of manufacturer's claims or independent reseller's claims regarding:
 - The potential risks of e-cigarettes when used as intended
 - How much nicotine or other potentially harmful chemicals are being inhaled during use
 - Possible use as cessation aid

Not Just Water Vapor

- Nicotine
- Propylene Glycol
- Volatile Organic Compounds
 - o Benzene & Toluene
- Metals
 - Aluminum, Iron, Nickel, Lead, Chromium, Copper, Magnesium, Manganese
- Carbon Compounds
 - o Formaldehyde, Acetaldehyde & Acrolein
- Tobacco-Specific Nitrosamines

-(i.e., carcinogens derived from tobacco)

Not a Cessation Aid

- <u>No</u> conclusive scientific evidence currently exists to support claims that e-cigarettes can be an effective cessation Aid.
 - Longitudinal population studies show that e-cigarette use is associated with a lower odds of quitting.
- There is a high level of dual use of e-cigarettes and conventional cigarettes among adults.
- Marketed as a "bridge" or "dual use" product that allows cigarette smokers to continue to smoke in places where it is prohibited , which impedes with cessation efforts.

Youth

- Youth are rapidly adopting e-cigarettes
 - E-cigarettes contain candy flavors (i.e. cotton candy, bubble gum, cherry, chocolate)
 - High levels of dual use
 - Youth who use e-cigarettes are heavier (not lighter) smokers
 - Youth who use e-cigarettes are much less likely to have stopped smoking
- From 2011-2012, ever use of e-cigarettes among all students in grades 6-12 more than doubled, from 3.3% to 6.8%.
- Re-normalizing and even glamorizing smoking

Poison Control Reports

- Poison control centers nationwide reported 438 cases of nicotine exposure from electronic cigarettes in 2012, the latest year that had data available, according to the National Poison Data System. That was up from 256 cases in 2011.
- Almost half of the cases in each year involved children ages 5 and younger.

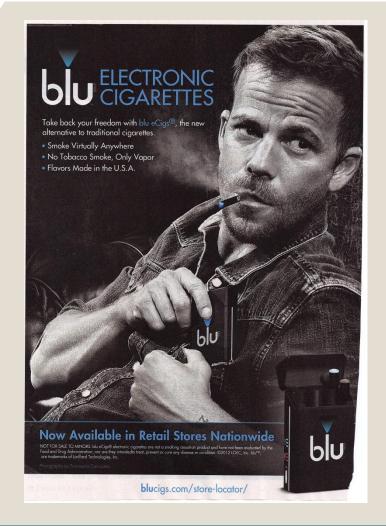
Adverse Event Reports for e-Cigarettes

FDA regularly receive voluntary reports of adverse events involving e-cigarettes from consumers, health professionals and concerned members of the public. The adverse events described in these reports include hospitalization for illnesses such as

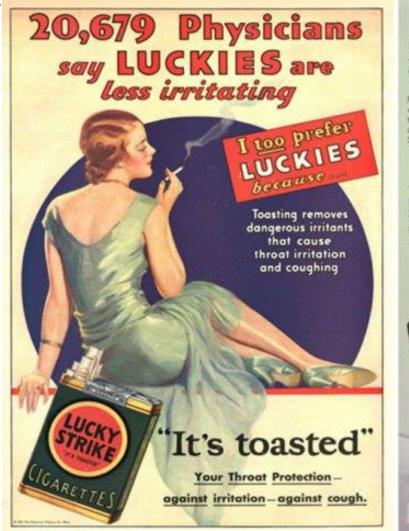
- o pneumonia,
- o congestive heart failure,
- o disorientation,
- o seizure,
- o hypotension, and
- o other health problems.

Is History Repeating Itself?





Glamour and Health



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Why Quit?



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blu is the smart choice for smokers wanting a change. Take back your freedom to smoke when and where you want without ash or smell blu is everything you enjoy about smaking and nothing else. Nobody likes a quitter, so make the switch today.

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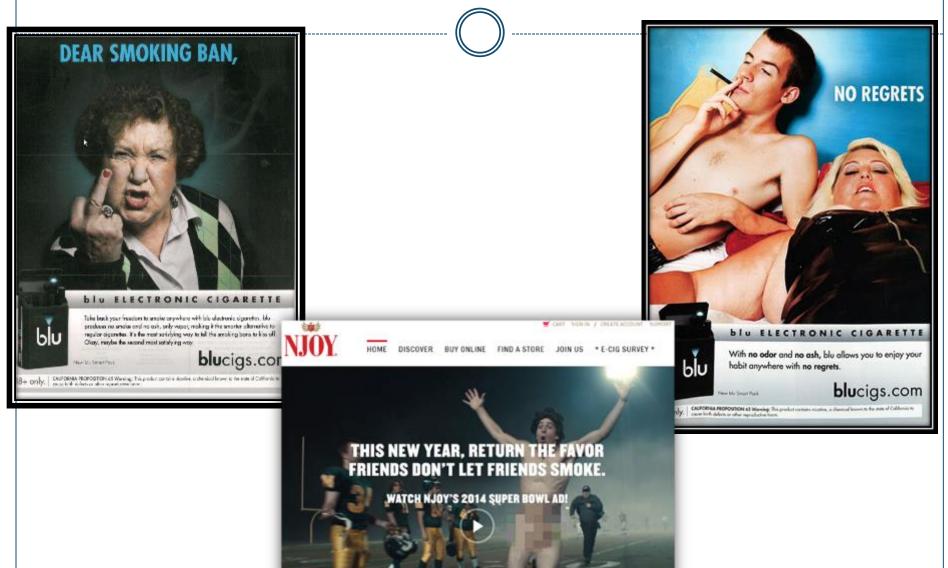
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Youth and Rebellion



Legislation

- 12 states CA, CO, ID, KS, MD, MN, NJ, NH, NY, TN, UT and VT – have enacted legislation prohibiting the sale of e-cigarettes to minors.
- 108 Municipalities & 3 states prohibit e-cigarette use in smokefree environments
- Recently New York City, Chicago, and Los Angeles have restricted e-cigarette sales to minors and prohibited indoor use.
- Locally
 - o San Marcos
 - o Williamson Co.
 - o Travis Co.

Electronic Cigarettes Summary

- Not regulated
- Not just water vapor (contains known carcinogens and heavy metals)
- No scientific evidence to support claims that ecigarettes can be an effective cessation tool.
- Might promote dual use
- Complicates enforcement
- Marketed to children (i.e. cotton candy, bubble gum flavors)