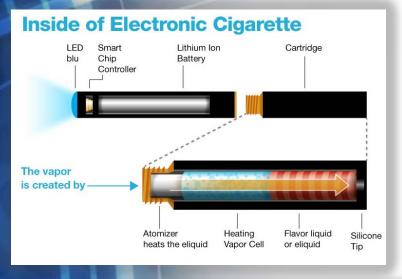
ORAL IMPLICATIONS OF TOBACCO AND DRUG USE

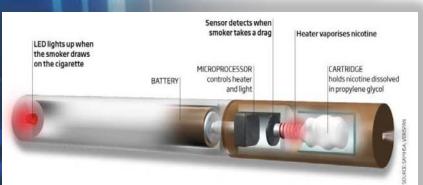
Presented By:
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Pierce College Dental Hygiene Program

Oral Health Implications of E-Cigarettes, Hookahs & Bidis



What are Electronic Cigarettes





Electronic nicotine-delivery system (ENDS)

A cigarette-like experience via a battery-operated atomizer

Vaporizes liquid-based nicotine from a small cartridge when the user inhales

What are Electronic Cigarettes

Delivers a chemical mixture typically composed of nicotine, propylene glycol and flavorings

concentration in the liquid-filled cartridges can range from nicotine-free loads of 0.0% to as much

as 5.4% nicotine

May be a <u>gateway</u> to cigarette smoking!

What are Hookahs

Smoking flavored nicotine through a water pipe

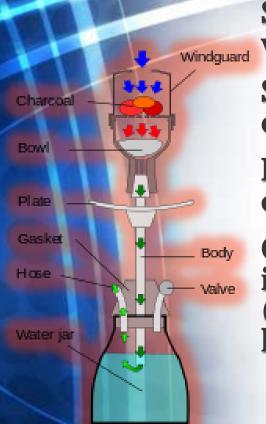
Smoking can last up to an hour--take deeper breaths

May inhale the equivalent of 100 or more cigarettes' worth of smoke within hour

Charcoal used to keep tobacco burning, inhaling Polyaromatic Hydrocarbons (PAH) & Carbon Monoxide (C0) --both have carcinogenic properties











Small, thin, hand-rolled cigarettes imported from India and other Southeast Asian countries

Tobacco wrapped in a tendu or temburni leaf and secured with a colorful string at one or both ends







Do not stay lit consistently, so smokers draw deeply to keep them burning.....

High risk of nicotine addiction Generate toxic second hand



Oral Implications: Electronic Cigarettes

HPV 16 Infection--Sharing e-cigarettes





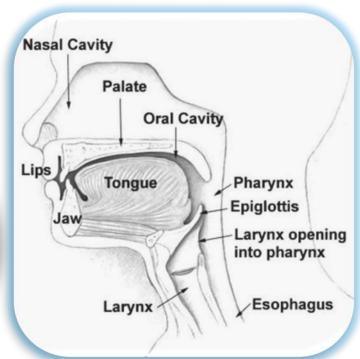
Oral Implications: Electronic Cigarettes

The most harmful Oral Consequence of

HPV is:

Esophageal Cancer





Oral Implications: Hookahs

Oral Cancer
Periodontal Disease
Herpes Simplex
Hepatitis (B, C)









The Smoker's Body

Need help quitting? Visit WhyQuit.com

Oral Cancer

- 34,000 Americans will be diagnosed with oral cancer this year
- Cause over 8,000 deaths annually
- killing roughly 1 person per hour
 24 hours per day

Oral Health Implications of Methamphetamine and Heroin Addiction





Rapid Onset

Acute Disease Process

Often Associated With Pain

Devastating Consequences





Dry Mouth

Decreased salivation caused by drug toxins

Signs and Symptoms

Smooth, shiny tongue Trouble with speech Trouble swallowing Trouble chewing



Rampant Tooth Decay

Destructive disease process of tooth

structure

Symptoms
Rotting/ "Inside Out"
Dark/ Black Pigment
In Between Front Teeth
cheek side of back teeth

Bruxism/Clenching/Grinding

Para-functional habit of the muscles of the

mouth

Due to the stimulant nature of drugs

Irreversible Effects

Damaged tooth structure
Bone irritated and resorbed



Oral Tissues Ulcers

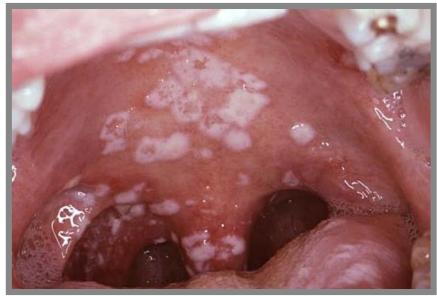
Caustic chemicals and heat of both drugs (if smoking)--traumatic ulcers



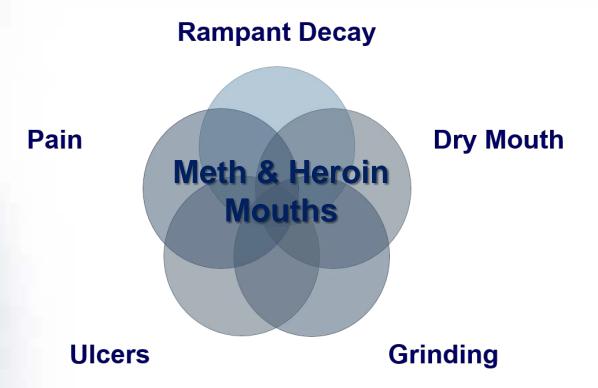


Infections
 Candidiasis- Thrush
 Herpes





Meth & Heroin Mouths: A Cascade of Problems!







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