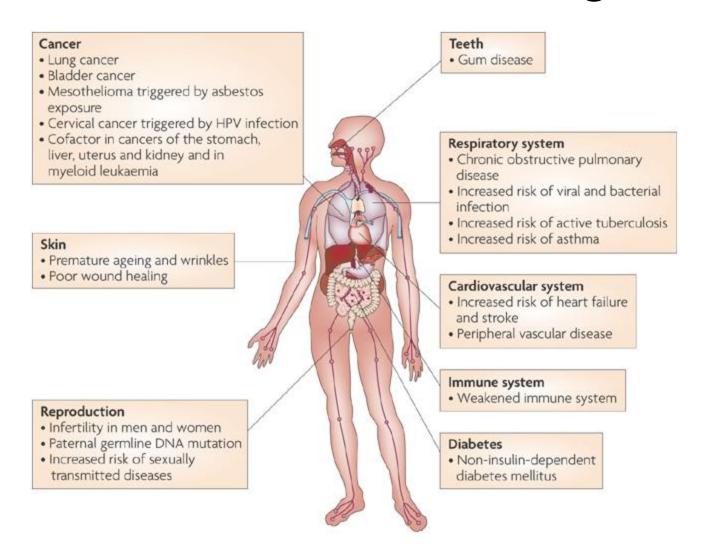
After the Last Cigarette

Treatment Options for Quitting Tobacco

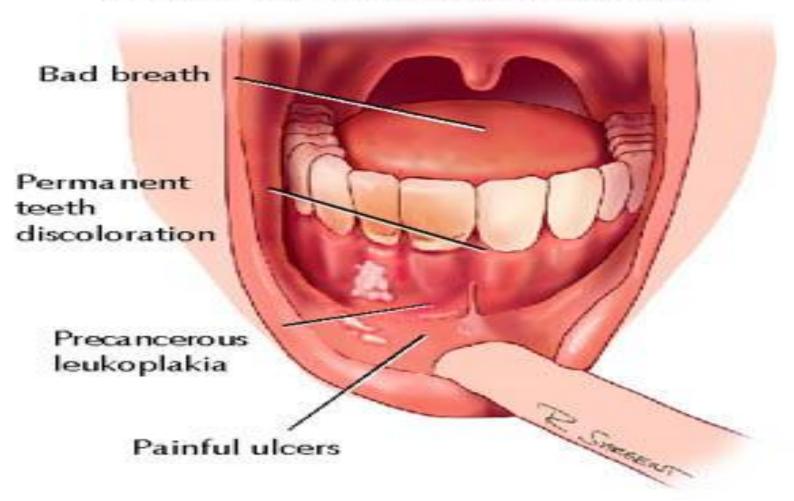
By Susan Kahler, MBA, CTTS

Risks from Smoking

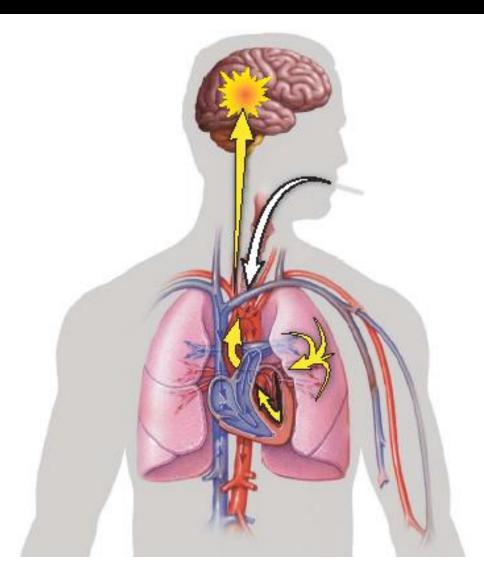


The Highly Engineered Product

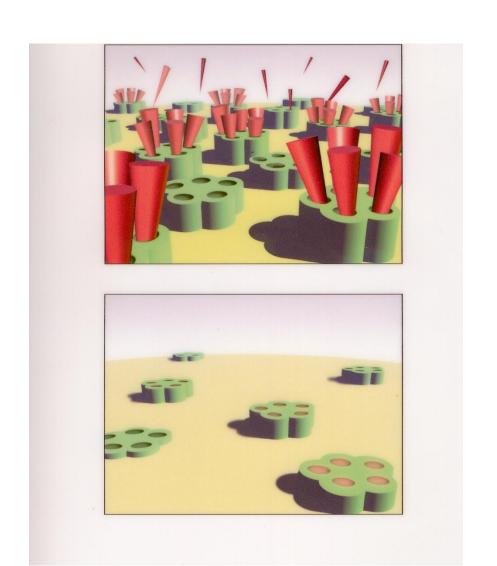
Effects of smokeless tobacco



Nicotine Delivered by Inhalation

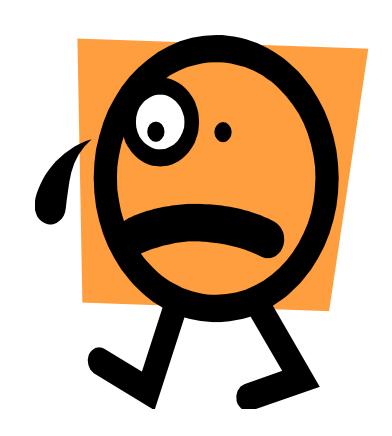


Characteristics of Nicotine lead to Reinforcement of Use & Addiction



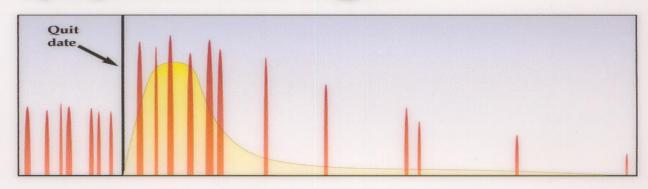
DSM-IV Withdrawal Symptoms

- Insomnia
- Restlessness
- Anxiety, Irritability, Frustration, Anger
- Difficulty concentrating
- Sad, depressed mood
- Increased appetite
- Decreased heart rate

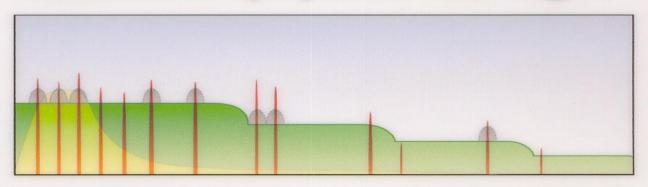




Timeline of withdrawal symptoms and urges



Medication effects on withdrawal symptoms and urges



Treatment of Tobacco Dependence

- Address the Addiction
- Medications to help
- Behavioral Therapy or Counseling
- Relapse Prevention



Туре	Form	Availability
Nicotine Replacement Therapy	Gum	Over-the-counter (OTC)
	Patch	ОТС
	Inhaler	Prescription
	Nasal Spray	Prescription
	Lozenge	отс
Bupropion	Pill	Prescription
Chantix	Pill	Prescription



Nicotine Patch Use

- Use appropriate dose
- Apply once daily and wear 24 hours
- Common adverse effects: patch site reaction, nausea, vivid dreams
- Rotate patch sites to avoid overlap in less than 1 week.
- 7, 14, 21 mg. dose.

Nicotine Patch

Pro's:

- Achieve high levels of replacement
- Easy to use
- Only needs to be applied once a day
- Few side effects

Cons:

- Less flexible dosing
- Slow onset of delivery
- Mild skin rashes and irritation

Nicotine gum (2 or 4 mg)

- Use the "chew and park" method
- Each piece will last about 30 minutes
- No beverages with gum altered pH
- Use at usual rate for 6 12 weeks, then taper by 1-2 pieces each week.
- Common side effects: sore jaws, hiccups, indigestion.
- Use up to 6 months.

Nicotine Lozenge (2 or 4 mg)

- Move from side to side periodically
- No beverages altered pH
- Use at usual rate for 6 12 weeks, then taper by 1-2 pieces each week.
- Do not chew or swallow
- Common side effects: may cause nausea
- Use up to 6 months.
- Use for diabetics

Bupropion (Wellbutrin, Zyban)

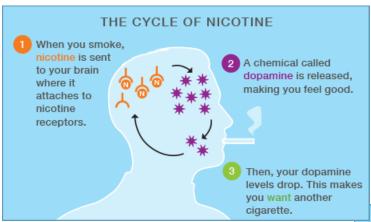
Pro's

- Easy to use
- Few side effects
- May be used in combination with NRT

Cons

- Cannot be used by all patients with seizures and eating disorders
- Some side effects (insomnia, hypertension, dry mouth)

Chantix



1 CHANTIX attaches to nicotine receptors, so that nicotine can't. 2 With CHANTIX, dopamine is still released, but less so than with nicotine. 3 It is believed that these actions are how CHANTIX may help you quit smoking.

Common side effect

- Nausea
- Trouble sleeping
- Changes in dreaming/vivid dreams
- Constipation/gas
- Depression/suicidal thoughts

Free



Approximately 45 percent of smokers attempted to quit in 2008.

Resources

To order NDQuits Materials click here: NDQuits Materials Order Form

NDQuits Referral Form

NDQuits Update

April is National Cancer Control Month

According to Centers for Disease Control and Prevention's (CDC)'s Division of Cancer

Fact Shoots

North Dakota Tobacco Quitline

- 5 to 6 sessions
- Counselors staffed by Mayo Clinic and the UND Community Medicine Program.
- 1st call 45 min
- 4 to 5 more calls, 10 to 15 min.
- Supplies such as workbooks and NRT products mailed.

What Else?

- Get ready
- Throw away cigarettes, lighters, ash trays
- Survival Kit
- Keep active exercise
- Drink water
- Deep Breath
- Have a "fire plan"

Your individual "fire plan"

Be prepared – Survival Kit



- Rehearse
- Have a plan to deal with stress
- Buddies help

Benefits of Quitting



Your heart rate drops



The carbon monoxide level in your blood drops to normal



Your heart attack risks begins to drop. Lung function begins to improve.

Benefits of Quitting



Coughing decreases in most people. Sinus congestion, fatigue, and shortness of breath decrease



Added risk of heart disease drops by half



Risk of stroke drops to that of people who have never smoked

IT IS A DISEASE

"Not a Bad Person with a Bad Habit, but a Good Person with a Difficult Disease."

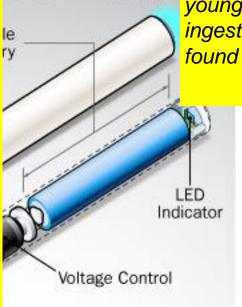
Tom Gavin, Mayo Nicotine Dependence Center, Counselor

E-cigarettes companies ARE tobacco companies!

- Lorillard bought Blue in 2012; also Acuited SkyCig, in 2013.
- •RJ Reyonlds make Vuse and markets them with television ads in Colorado and Utah.
- •Altria Group (Philip Morris) introduced MarkTen in June 2013 and is test-marketing it in Indiana; also acquired GreenSmoke, in 2014.
- •British American Tobacco markets Vype in UK and has aquited CN Creative.
- •Swisher International makes e-cigars.

ALARMING!

Calls to poison control centers related to e-cigarettes are on a rapid rise, particularly with respect to cases involving young children who have ingested the liquid nicotine found in e-cigarette cartridge.





ating Coil

Chamber

Mark Ten

http://www.youtube.com/watch?v=EBwnY
 G0ZFdI

E-Cigarettes That Don't Look It

Like a cigarette, e-cigarettes, e-hookahs and vape pens can be nicotine delivery devices. Unlike a cigarette, these are unregulated by the F.D.A. They come in a variety of flavors, like Belgian waffle, vanilla cupcake, and peppermint blast.

Cigarette



e-Cigarettes



Njoy

Traditional Flavor



Blu Regular

Flavors come in a variety of "smoke juices"

e-Hookahs



Imperial Hookah Strawberry Margarita

Label states nicotine content



King eHookah Grape Apple Label says "This product contains nicotine" and later "no nicotine"

King eHookah Grape Apple

Label says "This product contains nicotine" and later "no nicotine"



Logic Hookah Blueberry

Label boasts "kissable breath" and "satisfies nicotine cravings"



Excellent E-cig Melon

No indication of nicotine contents but warning label states, "Nictone is highly addictive"

Vape Pens



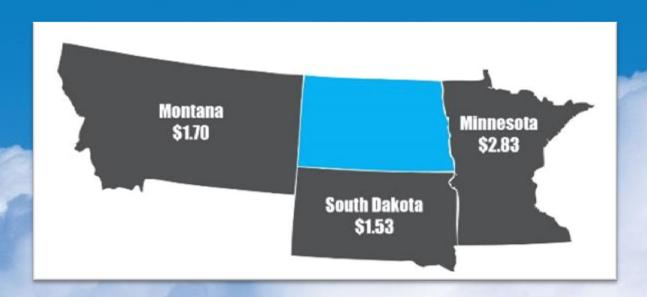
These come in a variety of shapes and designs and can be interchangeable with e-Hookahs. This particular device is advertised as an "electronic cigarette" and includes a battery and charger.



What is in e-cigarettes?



How do we compare to our neighbors?



- Montana: \$1.70 = 3.9 times higher than ND
- Minnesota: \$2.83 (as of 7/1/13) = 6.4 times higher than ND
 - South Dakota: \$1.53 = 3.5 times higher than ND
 - Saskatchewan: \$5.00 = 11.4 times higher than ND

Questions?

