DANGERS OF VAPOING

MARCH 8, 2018
WELCOME TO WALLED LAKE NORTHERN

• PRESENTERS FOR TONIGHT'S EVENT:
  • GREG DIAMOND, PRINCIPAL OF WALLED LAKE NORTHERN HIGH SCHOOL
  • SOPHIA LAFAYETTE, ASST. PRINCIPAL OF WALLED LAKE NORTHERN HIGH SCHOOL
  • DEPUTY SHANNON GIFFIN, OAKLAND COUNTY SCHOOL POLICE OFFICER LIAISON
  • DENISE MAHNICK, PROGRAM DIRECTOR OF LAKES AREA COMMUNITY COALITION
  • LISA KAPLAN, HENRY FORD HOSPITAL
5-YEAR TREND BY VIOLATION

Incidents by Violation Type

- % Poss/Use Tobacco
  - 2013 - 2014: 36.4%
  - 2014 - 2015: 20.8%
  - 2015 - 2016: 9.1%
  - 2016 - 2017: 9.1%
  - 2017 - Feb 15, 2018: 6.5%

- % Poss Paraphenalia
  - 2013 - 2014: 39.1%
  - 2014 - 2015: 37.5%
  - 2015 - 2016: 34.8%
  - 2016 - 2017: 34.8%
  - 2017 - Feb 15, 2018: 6.5%

- % Poss/Use Alcohol or Drugs
  - 2013 - 2014: 54.5%
  - 2014 - 2015: 54.5%
  - 2015 - 2016: 39.6%
  - 2016 - 2017: 43.8%
  - 2017 - Feb 15, 2018: 26.1%
WHAT IS VAPING?

Vaping is the act of inhaling and exhaling the water vapor produced by an electric device called vaporizer (or e-cigarette).” Vaping is often seen as a safe or safer alternative to smoking. Must be 18 years old to purchase.
VAPORIZER / E-CIGS
THE CLEAR
HOW AN E-CIGARETTE WORKS

- **Battery**: Powers the device.
- **Atomizer**: Heats the e-liquid into an aerosol.
- **Cartridge**: Stores the e-liquid.
- **Mouthpiece**: Allows user to inhale the aerosol.
SUORIN AIR
SUORIN DROP
'JUULing' the latest teen trend that could be as dangerous as smoking a pack a day. Each pod is equal to 200 cigarette puffs.
JUICES

VAPE JUICE

Illegal Juice
Happy 4-20
National Weed Day

HAPPY 420
MARIJUANA BOWL
MARIJUANA BOWL
Clothing associated with Marijuana
• BUTANE HASH OIL (BHO): EXTREMELY POTENT CONCENTRATE. DIFFERENT TYPES INCLUDE:

• **SHATTER** – CLEAR LIKE SUBSTANCE THAT BREAKS INTO PIECES EASILY

• **WAX, BUDDER** – EXTRACTS WITH A CREAMY, BUTTERY CONSISTENCY

• **CRUMBLE** – A FLAKEY LIKE SUBSTANCE, THAT IS USED MORE FOR BOWL TOPPING THAN DAPPING.

• **HASH OIL** – FOUND IN VAPE CARTRIDGES OR SYRINGES
COMMONLY USED FOR WAX, SHATTER, CRUMBLE, BUDDER AND OIL
K2 / SPICE

Is a mix of herbs and manmade chemicals with mind-altering effects. It is often called “synthetic marijuana” or "fake weed"
LSD / ACID

- It is a Lysergic Acid. Most potent mood changing chemical. It comes in all shapes, sizes and forms. Most common form is a miniature stamp. Stored in a folded up gum wrapper or zip lock bag.
Ecstasy / Molly

These drugs are a substance called 3,4-methylenedioxy-N-methylamphetamine or MDMA for short. It is a type of amphetamine; in other words, “Speed.” They are a synthetic drug. Molly is more pure. Comes in all different shapes, sizes and forms.
Adderall

Is used to treat attention deficit hyperactivity disorder (ADHD) and narcolepsy.
XANAX IS USED TO TREAT ANXIETY DISORDERS, PANIC DISORDERS, AND ANXIETY CAUSED BY DEPRESSION.
VICODIN
IS A PAIN KILLER AND HIGHLY ADDICTIVE.
Heroin
An opioid drug made from morphine. Highly addictive drug.
Different forms of heroin

This deadly drug is killing our people
<table>
<thead>
<tr>
<th>Year</th>
<th>Deaths</th>
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<tbody>
<tr>
<td>Year of 2014</td>
<td>241</td>
</tr>
<tr>
<td>Year of 2015</td>
<td>239</td>
</tr>
<tr>
<td>Year of 2016</td>
<td>282</td>
</tr>
<tr>
<td>Year of 2017</td>
<td>312</td>
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<tr>
<td>Year of 2018</td>
<td>27</td>
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As of December of 2017

Oldest age 62 years old

Average age 42 years old

Youngest age 23 years old

3 – Cases with Marijuana THC and Fentanyl related (Which means marijuana possibly laced with Fentanyl)
Drop Zone Testing

Professional Drug and Alcohol Testing

We are located in the State Farm Building in downtown Wixom, which is across the street from PNC Bank.

ADDRESS:
49175 Pontiac Trail, Ste 2
Wixom, MI 48393

Telephone:  (248) 308-4318
Fax:        (248) 660-1267
Colors of the day: (248) 624-9563
E-mail: dropzonetesting@gmail.com

HOURS OF OPERATION

MONDAY - FRIDAY: 6:00 a.m. to 9:00 a.m. and 5:00 p.m. to 7:00 p.m.
SATURDAYS / SUNDAYS: 6:00 a.m. to 9:00 a.m. (no evening hours)

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<tr>
<td>12 Panel Drug Test</td>
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<tr>
<td>Drug Test and PBT</td>
<td>$10.00</td>
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<tr>
<td>ETG</td>
<td>$18.00</td>
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Sobriety Court Services

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<tr>
<td>Drug Test and PBT</td>
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Vape Health Risks

• **Becoming addicted to nicotine** (U.S. Surgeon General)

• **Starting to smoke cigarettes** (National Institutes of Health)

• Weakened immune system (University of North Carolina)

• Damage to gums and mouth (University of Rochester)

• Flavorings linked to lung disease (American Lung Association)

• Nicotine poisoning (American Association of Poison Control Centers)

• Secondhand vapor (American Lung Association)

• Carcinogens in aerosol (Gillman, et al., Penn State)

Nicotine exposure can harm brain development, cause addiction, priming for other addictions, reduced impulse control, cognitive impairment and mood disorders.

- Surgeon General
Risks of E-Cigarette and Vape Pen Use

Although the overwhelming majority of young people do not use e-cigarettes, the recent increase in use among adolescent is concerning to health professionals.

Nicotine use in early adolescence causes changes in the brain that make life-long addiction much more likely for young e-cig/veape users.

Ear, eye and throat irritation is common among e-cigarette/veape pen users.

The aerosols produced by the chemicals in e-juice, enter into the user’s lungs unfiltered and leave chemical residue behind.

Nicotine is known to have effects on the cardiovascular system. Some recent studies show that acute use of e-cigarette impaired flow-mediated dilation, this suggests that e-cigarettes can lead to cardiovascular diseases.

Recent studies show that e-cigarette/veape pen use is associated with the use of other tobacco products that are known to cause further health issues, including cancer and heart disease.

Many people incorrectly believe that these devices produce a water vapor when in fact they create aerosols that contain harmful chemicals, and ultra-fine particles that are inhaled into the lungs and out into the environment, making them harmful to the user and other nearby.

These devices are still very new so many of the long-term health consequences of their use is still not known. Even still, the mounting evidence shows that these devices are not harmless.

Tobacco Prevention Toolkit
Division of Adolescent Medicine, Stanford University
For more information go to: www.tobaccopreventiontoolkit.stanford.edu
Poisoning Calls Related to E-Cigarettes Have Skyrocketed

E-Cigarette Device and Liquid Nicotine Reported Exposures to Poison Centers

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<th>Year</th>
<th>Exposures</th>
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<tbody>
<tr>
<td>2011</td>
<td>271</td>
</tr>
<tr>
<td>2012</td>
<td>460</td>
</tr>
<tr>
<td>2013</td>
<td>1,543</td>
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<td>2014</td>
<td>3,957</td>
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Our Kids Can’t Wait

FDA: Finish the rule to regulate all tobacco products, including e-cigarettes.
Vaping and Marijuana

- Higher marijuana THC levels can lead to anxiety, depression or psychosis and can increase the likelihood of addiction.
- Teens using marijuana concentrates in vapes have reported panic attacks, paranoia, and hallucinations.
- Side effects of marijuana include: Dizziness, Increased heart rate, Breathing problems, Depression, Anxiety, Psychosis
Marijuana Youth Health Risks

• Aggravation of asthma, bronchitis, and emphysema.

• Chronic use can result in functional alterations in the respiratory system and produce morphological changes in the airways that precede lung and bronchial cancer.\textsuperscript{13}

• Long-term marijuana smokers show cognitive impairment,\textsuperscript{14} and early onset of marijuana use (before age 16) has been associated with chronic deficit in attention skills.\textsuperscript{15}

• Adolescents had a six point lower full scale IQ score than those who met diagnostic criteria for a cannabis used disorder as adults. These findings suggest that the onset of heavy marijuana use in adolescence, rather than adulthood, can result in long-term cognitive effects.

• Reports of failure to hit life milestones (graduation, meaningful work, marriage with early consistent use by youth

• Underscores importance of intervening on substance abuse during adolescence – public health concern.
Marijuana & Addiction

• Marijuana is an addictive substance: About 1 out of 6 teen marijuana users will become addicted. National Institute of Health 2017 report

• THC poisoning – levels unregulated and approx. 60-90%

• Is a gateway drug – youth are 7x more likely to develop a Substance Use Disorder

• Hits the same receptors in the brain as opiates

• Is a gateway drug – youth are 7x more likely to develop a Substance Use Disorder
Heroin use is part of a larger substance abuse problem.

Nearly all people who used heroin also used at least 1 other drug. Most used at least 3 other drugs.

**Heroin** is a highly addictive opioid drug with a high risk of overdose and death for users.

People who are addicted to...

- Alcohol are **2x**
- Marijuana are **3x**
- Cocaine are **15x**
- Rx Opioid Painkillers are **40x**

...more likely to be addicted to heroin.

• Experts believe if you notice several of these signs at the same time or if they occur suddenly, or if some of them are extreme in nature it could be a sign of substance use.

• Mood changes: flare-ups of temper, irritability, and defensiveness could include crying, depression, anxiety)

• School problems: poor attendance, low grades, and/or recent disciplinary action

• Rebellion against family rules

• Friend changes: switching friends and a reluctance to let you get to know the new friends

• A "nothing matters" attitude: sloppy appearance, a lack of involvement in former interests, and general low energy, lack of motivation

• Drug paraphernalia (seeds, leaves, butts in pockets and peculiar odors of marijuana, solvents on body, clothing in the house or car)

• Physical or mental problems: memory lapses, poor concentration, bloodshot, glassy eyes, change in pupil size, lack of coordination, or slurred speech
• The 5 W’s

• Where are you going?
• Who are you going with?
• When will you be back?
• What will you be doing there?
• Will there be drugs & alcohol there?

Set and enforce rules for your teen’s behavior by clearly explaining the rules and consequences and following through with appropriate consequences when the rules are broken. (Be consistent)
Lock Em’ Up
Talk to them