TO VAPE OR NOT TO VAPE

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Background of the Problem

- Cigarette smoking is the leading preventable cause of death in the U.S.
- Cost associated is estimated $300 billion yearly
- Cigarette smoking has decreased and electronic nicotine devices (ENDS) increased among adolescents
- Electronic cigarettes (e-cigs) usage have grown the fastest in the U.S.
- Pregnant women believe that e-cigs are safer than traditional cigarettes
Objectives

- Identify components and function of ENDS or e-cigs.
- Compare use of ENDS for nicotine replacement and smoking cessation.
- Discuss use of ENDS among pregnant women and pediatric population.
- Discuss recommendations for future research relating to ENDS usage by specialty populations and as a smoking cessation tool.
Electronic Nicotine Delivery Systems

• Battery- produces the electric charge for heating
• Cartomizer- heats and vaporizes the e-liquid
• Cartridge- holds the e-liquid
• Mouthpiece- used for inhaling solution

(Maloney et al., 2016)
(Selekman, 2019)
Components
## COMPARISON

<table>
<thead>
<tr>
<th>Tobacco</th>
<th>Electronic Cigarettes</th>
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<tr>
<td>• Cigarette smoke-7,0000 chemical cause cancer</td>
<td>• Liquid- made by removing nicotine from tobacco and mixing with propylene glycol.</td>
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<td>• Tobacco-primary ingredient carcinogen</td>
<td>• Flavorings- example-vanilla, strawberry, mango, etc.</td>
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<td>• Tar- sticky black liquid that sticks to lung tissue</td>
<td>• Convenient, less expensive, and smoking cessation aid.</td>
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<td>• Nicotine- most addictive- promote release of acetylcholine</td>
<td>(Selekman, 2019)</td>
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WHY USE ENDS?????

- Marketed as a Healthier Choice
- Smoking Cessation Aid
- Recreational Use
RECOMMENDATIONS:

- Educate pregnant women on potential adverse maternal and fetal health problems
- Educate youth on potential adverse health problems
- Screen all patients
- Healthcare professionals must **CONTINUE research!!**
References


References

