• Epidemic Information
• National Vaping Trends
• Marketing to Youth
• Vaping Devices
• California Student Tobacco Survey
• Vaping Timeline
• Next Steps
EPIDEMIC INFORMATION

• E-Cigarette, or Vaping, product use associated lung injury (EVALI)\(^1\)

• Symptoms (days – weeks after use):
  • Cough, shortness of breath, or chest pain
  • Nausea, vomiting, abdominal pain, or diarrhea
  • Fever, chills, or weight loss

• Devices contain:
  • Nicotine or Marijuana
    • THC is present in most of the device samples tested by FDA
    • Most THC devices were obtained off the street or informally (friends, family)
VITAMIN E ACETATE?

What is New

Recent CDC laboratory testing of bronchoalveolar lavage (BAL) fluid samples (or samples of fluid collected from the lungs) from 29 patients with EVALI submitted to CDC from 10 states found vitamin E acetate in all of the BAL fluid samples. Vitamin E acetate is used as an additive in the production of e-cigarette, or vaping, products. This is the first time that we have detected a potential chemical of concern in biologic samples from patients with these lung injuries.

CDC continues to recommend that people should not use e-cigarette, or vaping, products that contain THC, particularly from informal sources like friends, or family, or in-person or online dealers. We will continue to provide updates as more data become available.
NATIONAL TRENDS

As of **November 5, 2019**, 2,051* cases of EVALI have been reported to CDC\(^1\)
- **39 deaths** in 24 states (3 in CA)

Older data indicates:
- More males impacted than females (70%)
- Median age = 24 (range 13-75)
- Majority cases <35 years
NATIONAL TRENDS

Number of Lung Injury Cases Reported to CDC as of November 5, 2019

Legend
- 0 cases
- 1-9 cases
- 10-49 cases
- 50-99 cases
- 100-149 cases
- 150-199 cases

Territories: AS GU MH FM PW PR VI
MARKETING TO YOUTH

• “I’m the One” - DJ Khaled, Justin Bieber, Quavo
• 3.6 billion views
MARKETING TO YOUTH CONT.
VAPING DEVICES
# Vaping Devices Cont.

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
<th>Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 pack cigarettes</td>
<td>20 cigarettes</td>
<td></td>
</tr>
<tr>
<td>1 JUULpod</td>
<td>0.7 mL pod “5% nicotine by volume”</td>
<td></td>
</tr>
<tr>
<td>1 PHIXpod</td>
<td>1.5 mL pod “5% nicotine by volume”</td>
<td></td>
</tr>
<tr>
<td>1 Suorin pod</td>
<td>2 mL pod “5.4% nicotine by volume”</td>
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CALIFORNIA STUDENT TOBACCO SURVEY – SIERRA COUNTY

- 2017-2018

- 110 students in 7th – 12th grades
  - 30% reported ever using e-cigarettes
  - 10% reported current use of e-cigarettes

- 111 students
  - 46% believe that flavored tobacco products are targeted to people their age
  - 37% believe that flavored tobacco products should be banned

- 98 students
  - 56% thought it would be easy to get e-cigarettes
2009
FDA banned flavors from cigarettes except menthol. This did **NOT** apply to E-Cigarettes.

2010
American Association of Public Health professionals ask FDA to classify E-Cigarettes as “Tobacco Products.”

2016
FDA classifies E-Cigarettes as a tobacco product.

September, 2019
President Trump puts pressure on FDA to regulate vaping products.

March, 2019
First case of EVALI reported.

May, 2020
All E-Cigarette devices that are “new” or have been on the market since August 2016 must submit their product to the FDA for scientific review.
NEXT STEPS

• Moratorium on Vaping Device Sales in Sierra County
  1. Presentation to School Board – Before December 19
     • TUPE Coordinator
  2. Presentation to the BOS – December 19
  3. Moratorium to BOS
  4. Policy to BOS
THANK YOU!

Questions

Comments

Assessment