



VAPING EPIDEMIC UPDATE

November, 2019

OUTLINE

- 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?



Updated November 8, 2019, at 1:00 PM EST

What is New

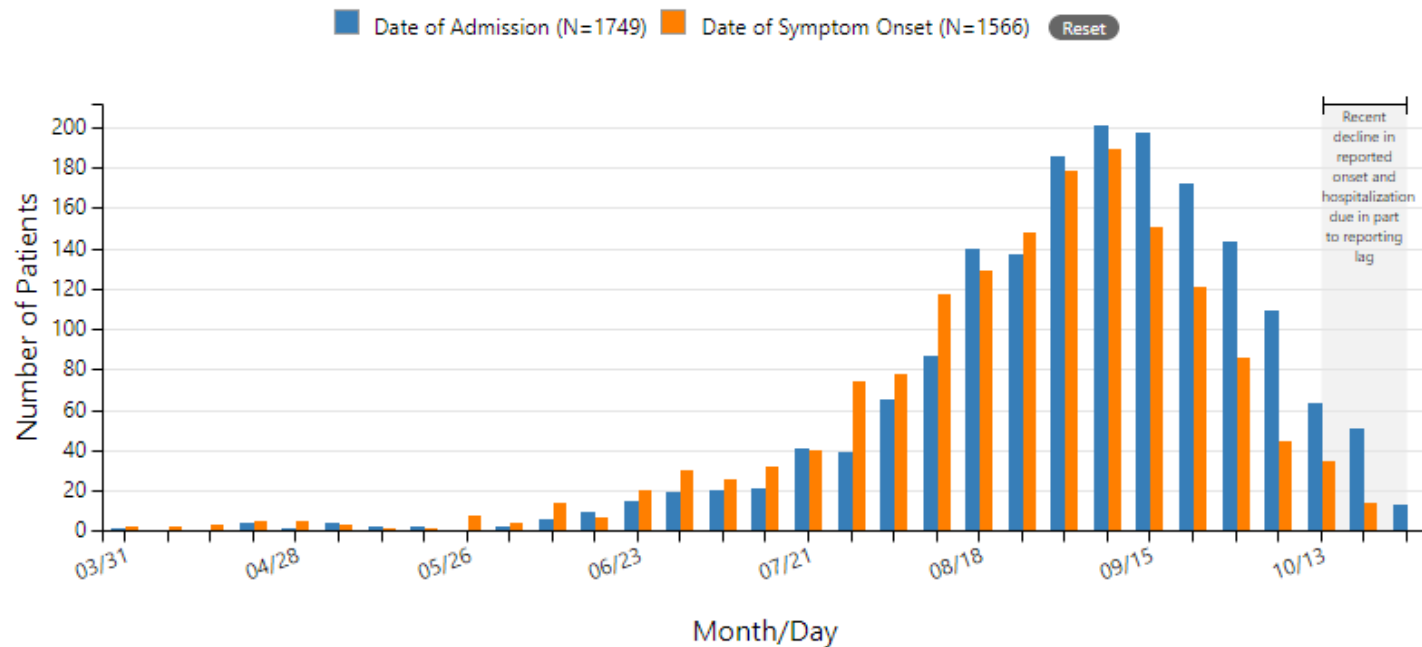
Recent CDC laboratory testing of bronchoalveolar lavage (BAL) fluid samples (or samples of fluid collected from the lungs) from 29 patients with EVALI submitted to CDC from 10 states found vitamin E acetate in **all** of the BAL fluid samples. Vitamin E acetate is used as an additive in the production 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

Dates of symptom onset and hospital admission for patients with lung injury associated with e-cigarette use, or vaping — United States, March 31-November 2, 2019

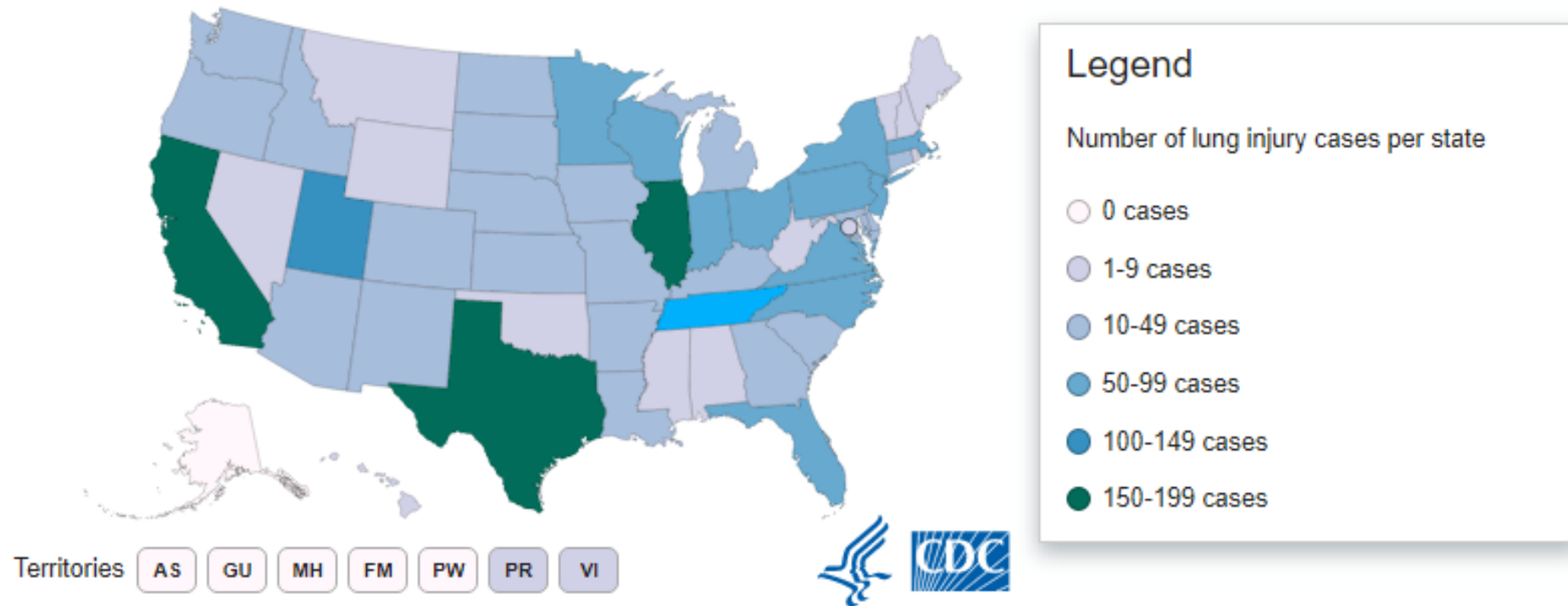
- As of **November 5, 2019**, 2,051* cases of EVALI have been reported to CDC¹
 - **39 deaths** in 24 states (3 in CA)



- 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



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.

	Amount	Equivalent
1 pack cigarettes	 20 cigarettes	
1 <u>JUUL</u> pod	 0.7 mL pod "5% nicotine by volume"	
1 <u>PHIX</u> pod	 1.5 mL pod "5% nicotine by volume"	
1 <u>Suorin</u> pod	 2 mL pod "5.4% nicotine by volume"	



Suorin USA

 Suorin Drop

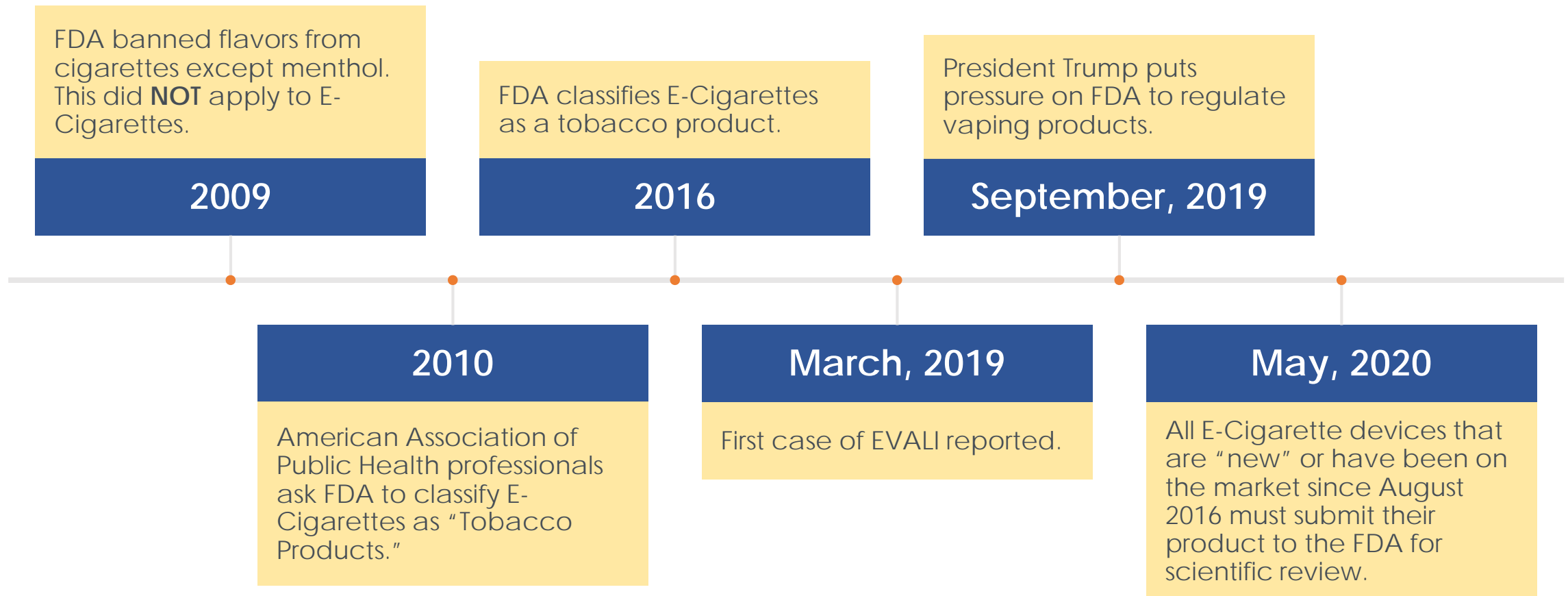
**RAINBOW
CHROME**



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

VAPING TIMELINE²



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



SOURCES

1. Centers for Disease Control and Prevention. (2019). Outbreak of Lung Injury Associated with the Use of E-Cigarette, or Vaping, Products. Retrieved from https://www.cdc.gov/tobacco/basic_information/e-cigarettes/severe-lung-disease.html
2. A Historical Timeline of Electronic Cigarettes. (n.d.). Retrieved from <http://www.casaa.org/historical-timeline-of-electronic-cigarettes/>