

Lisa Hayward PhD
University of Washington Center for Exposures, Diseases, Genomics and Environment
(EDGE)

Dina Markowitz PhD
University of Rochester, Environmental Health Sciences Center (EHSC)

2019 Supplement









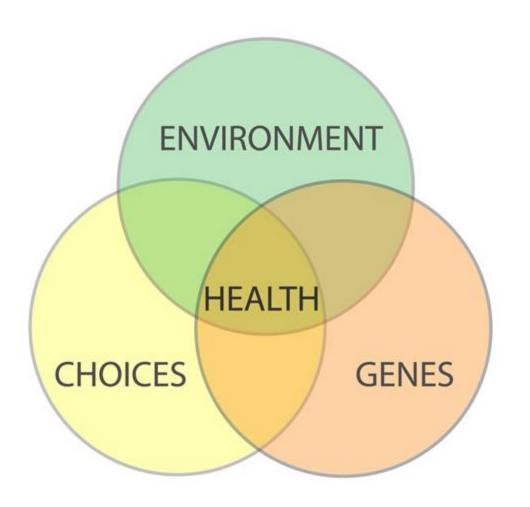




Using EDGE science to cocreate environmental health lessons for high school health classrooms

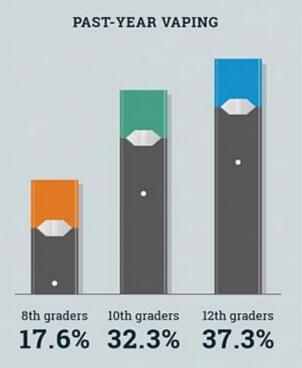


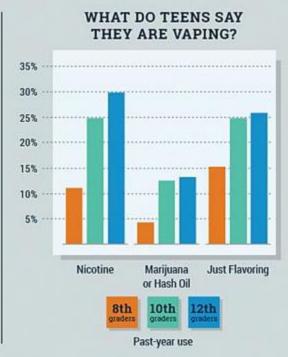
Conceptual Framework



Need for curriculum materials on the health effects of vaping

TEENS USING VAPING DEVICES IN RECORD NUMBERS





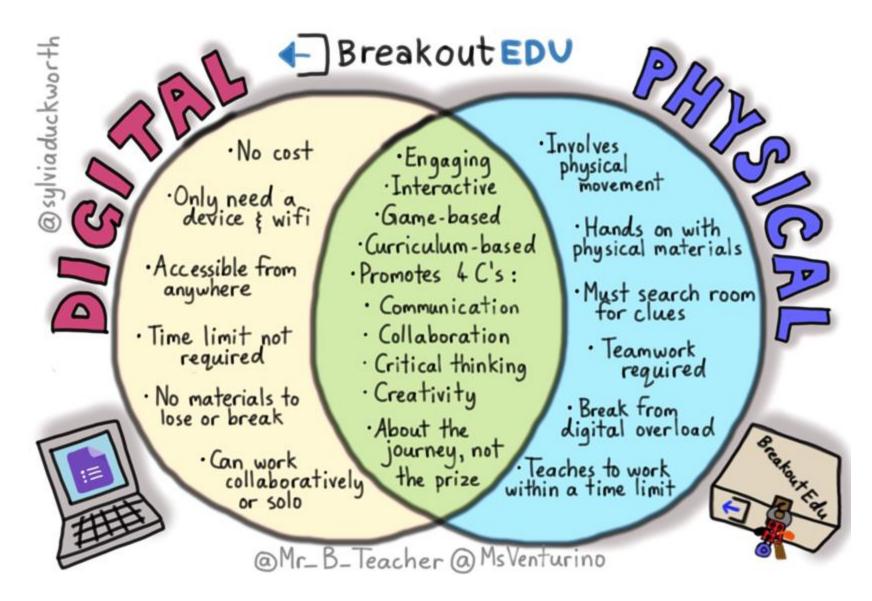
NEARLY 2 IN 5 STUDENTS IN 12TH GRADE REPORT PAST-YEAR VAPING, RAISING CONCERNS ABOUT THE IMPACT ON BRAIN HEALTH AND POTENTIAL FOR ADDICTION.





DRUGABUSE.GOV

"Escape the Vape" digital escape room



www.tinyurl.com/vapingbreakout



2019 Supplements











Increased expertise

UNC-Chapel Hill

- Dana Haine
- Elise Hickman
- Kathleen Gray, PhD

University of Iowa

- Jackie Curnick
- Brandi Janssen, PhD

University of Rochester

- Cait Fallone
- Katrina Korfmacher, PhD
- Dina Markowitz, PhD

University of Washington

- BJ Cummings
- Lisa Hayward, PhD

FEATURED SCIENTISTS

UNC-Chapel Hill

- Ilona Jaspers, PhD
- Elise Hickman

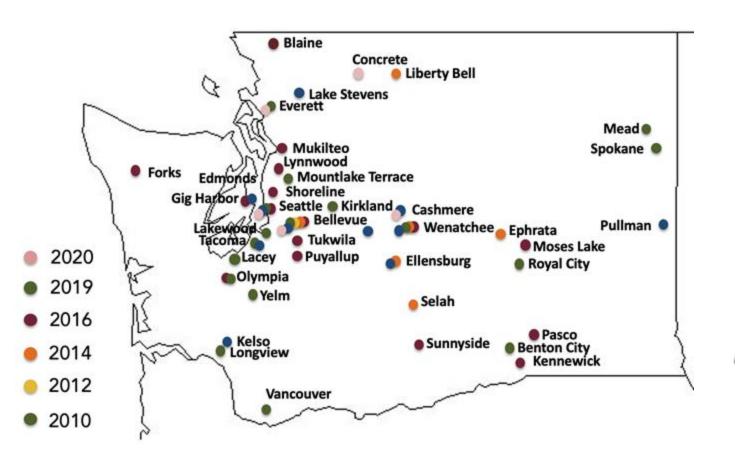
University of Rochester

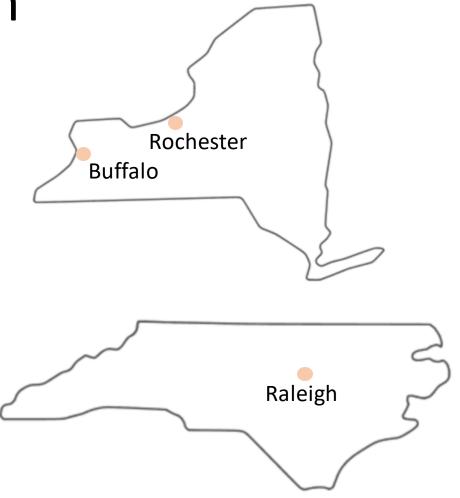
Scott McIntosh, PhD

University of Washington

Terry Kavanagh, PhD

Increased reach





https://sites.google.com/view/case-of-severe-lung-illness

Case of Severe Lung Illness

Based on a True Story

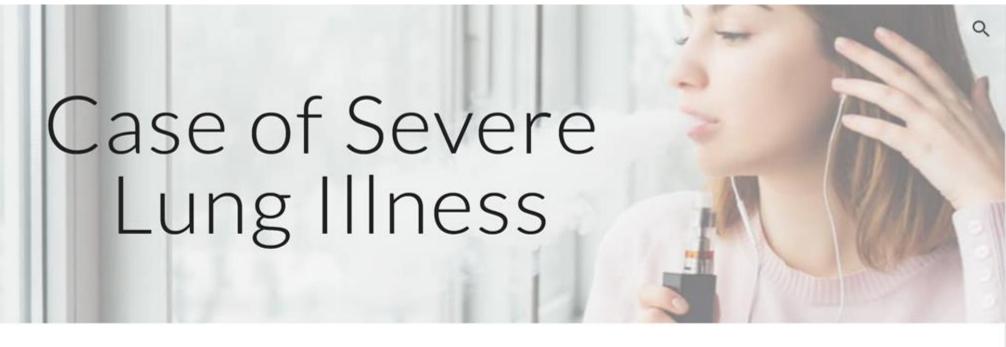
Questions 1-3

Questions 4-5

Questions 6-7

Questions 8-12

Final Question



Watch the following video to witness the reallife experiences that inspired this case study.

This story is from September 2019. Since then many more cases of vaping-related illnesses and deaths have been reported.

Digital Activity

Digital activity is based on the Science Take-Out kit:

A Case of Severe Lung Illness

- Hands-on materials
- Collect and analyze data
- Open-ended questions



Pros and cons of creating a digital activity from a hands-on activity

Pros:

- Can link to other online materials and videos
- Can distribute the virtual activity for free

Cons:

- Need to videotape the hands-on activities
- Need to convert open-ended questions to multiple choice

Making Your Own Digital Activity

Google Sites:

- This is the "website" that houses all of the content
- It is free to set up and easy to use

Google Forms:

- You can set up Forms to use as the "interactive" portion of the activity
- These forms free to set up and easy to use
- You can give specific feedback for each multiple choice answer chosen