

Increasing awareness of the dangers of vaping for students at Rossville Junior/Senior High School

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Public Health Agency Site:

Rossville Junior/Senior High School

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Site Preceptor:

Donna Perry, RN

Vaping History and Evolution

- ❖ “Exceedingly Convenient
- ❖ “No match to light”
- ❖ “No nicotine can be taken into the system”



Vaping History and Evolution

- ❖ 1963 - Patent
- ❖ 2007-Rise in popularity
- ❖ New sizes and shapes developed



Dangers of Vaping

❖ Dangerous chemicals

Ex. Nicotine, propylene glycol, acetaldehyde, formaldehyde, diethylene glycol, heavy metals, cadmium, benzene.

❖ Lung illnesses

❖ Addictive effects

❖ Mislabeled concentrations of nicotine

Dangers of Vaping

- ❖ THC sometimes added
- ❖ THC and Vitamin E acetate
- ❖ EVALI cases 2019-2020 (e-cigarette or vaping product use-associated lung injury)

Substances used in e-cigarette, or vaping, products (2,022) ^{†,**}	
Any THC-containing product	1,650 (82)
Any nicotine-containing product	1,162 (57)
Both THC- and nicotine-containing product use	834 (41)
Exclusive THC-containing product use	669 (33)
Exclusive nicotine-containing product use	274 (14)
No THC- or nicotine-containing product use reported	44 (2)

Vaping Appeal

- ❖ Variety of Flavors
 - fruity
 - minty
- ❖ Easily disguised appearance
 - pens
 - flash drives
- ❖ “Safer than smoking”

The Acquisition of Vaping Products by Youth

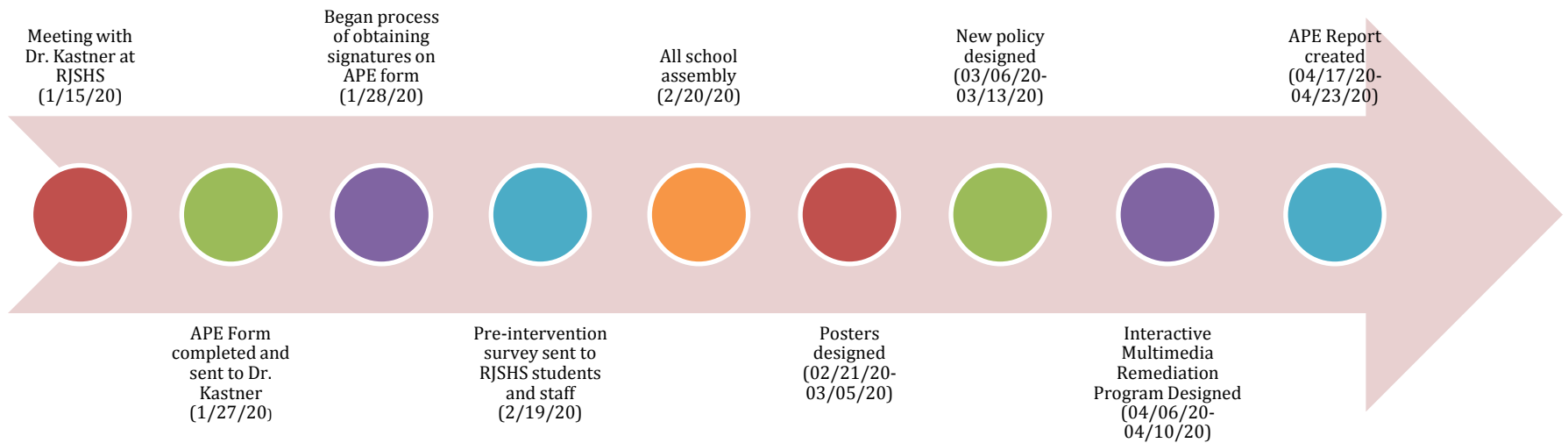
- ❖ At school
 - from friends
 - from classmates
 - from siblings

- ❖ Tobacco-21
 - enacted in 2020 to raise legal purchase age

Importance of an Anti-Vaping Campaign in Schools

- ❖ Policies decrease vaping
 - strictly enforced
 - celebrate academic successes
- ❖ Convey vaping dangers
 - anti vaping campaign
 - positive role models
- ❖ Captive audience

Timeline





Objectives and Learning Outcomes

- ❖ Educate myself on electronic cigarettes, vaping dangers, and chemical contents
- ❖ Learn about vaping laws
- ❖ Gather data to begin an effective anti-vaping campaign

Project Description

- ❖ Anti-Vaping Campaign
 - Pre-Intervention Survey
 - All-School Assembly
 - New School Policy
 - Remediation Project

Pre-Intervention Survey

- ❖ Needs assessment of RJSHS
- ❖ 15 questions
- ❖ 187 responses
- ❖ Anonymous

Pre-Intervention Survey

- ❖ Flaws in survey and responses
- ❖ Student numbers
- ❖ Faculty/Staff numbers
- ❖ Guided portfolio products

Pre-Intervention Survey

Vaping Survey

This is a CONFIDENTIAL survey designed to see what our school and staff know about vaping. Please answer

How often do you think vaping occurs at RJSHS?

1 2 3 4 5

I don't think vaping happens at all at
RJSHS

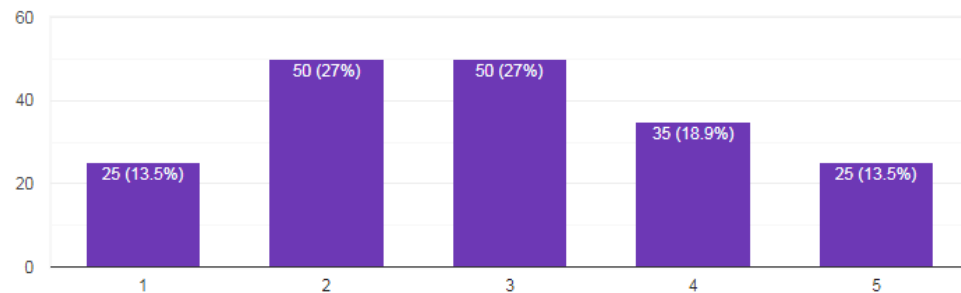
☐☐☐☐☐

I think vaping happens frequently at
RJSHS

Question One

How often do you think vaping occurs at RJSHS?

185 responses



Pre-Intervention Survey

Have you ever tried vaping?

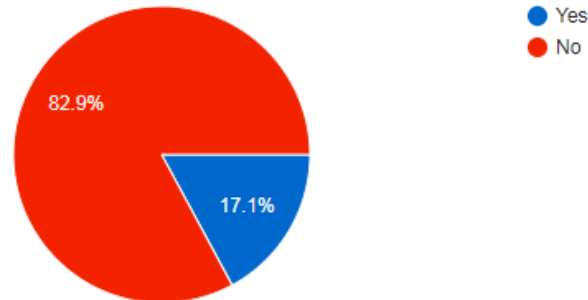
☐ Yes

☐ No

Question Two

Have you ever tried vaping?

187 responses



Pre-Intervention Survey

Do you personally vape on a regular basis?

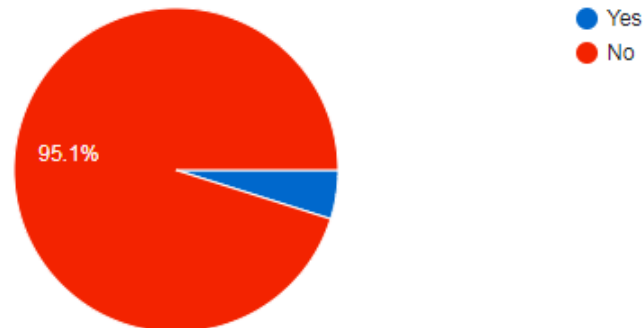
☐ Yes

☐ No

Question Three

Do you personally vape on a regular basis?

185 responses



Pre-Intervention Survey

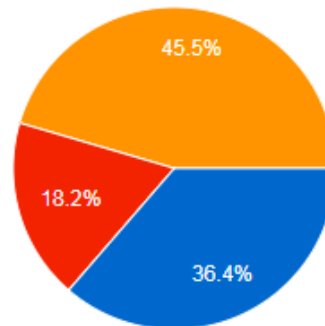
If yes, how often do you vape?

- ☐ Only once per day
- ☐ Two -three times per day
- ☐ More than three times per day

Question Four

If yes, how often do you vape?

11 responses



- Only once per day
- Two -three times per day
- More than three times per day

Pre-Intervention Survey

If you vape, do you vape in school?

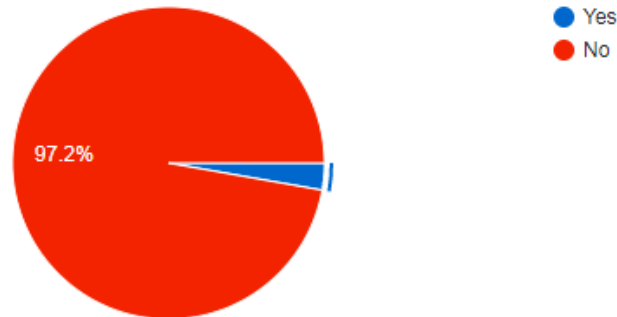
☐ Yes

☐ No

Question Five

If you vape, do you vape in school?

108 responses



Pre-Intervention Survey

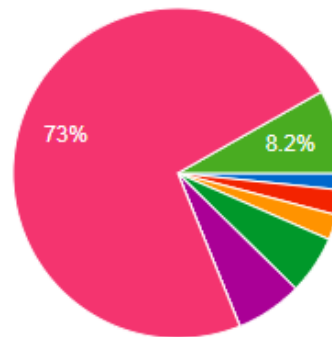
If you have vaped, why did you start vaping?

- ☐ To quit smoking
- ☐ To use nicotine in a way other than smoking
- ☐ Enjoy the flavor
- ☐ Try something new
- ☐ My friends influenced me
- ☐ My parents do it
- ☐ Never tried it
- ☐ Other

Question Six

If you have vaped, why did you start vaping?

122 responses



- ☐ To quit smoking
- ☐ To use nicotine in a way other than smoking
- ☐ Enjoy the flavor
- ☐ Try something new
- ☐ My friends influenced me
- ☐ My parents do it
- ☐ Never tried it
- ☐ Other

Pre-Intervention Survey

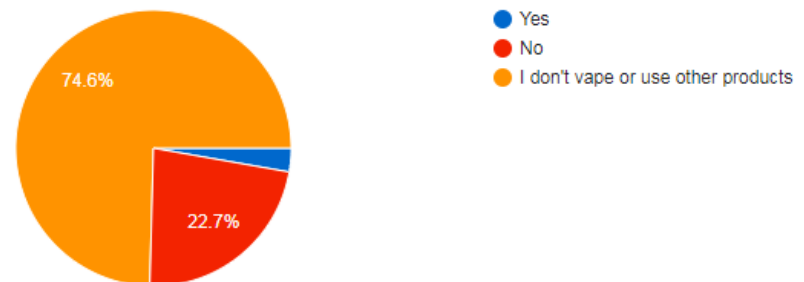
Besides vaping, do you use other nicotine products?

- ☐ Yes
- ☐ No
- ☐ I don't vape or use other products

Question Seven

Besides vaping, do you use other nicotine products?

181 responses



Pre-Intervention Survey

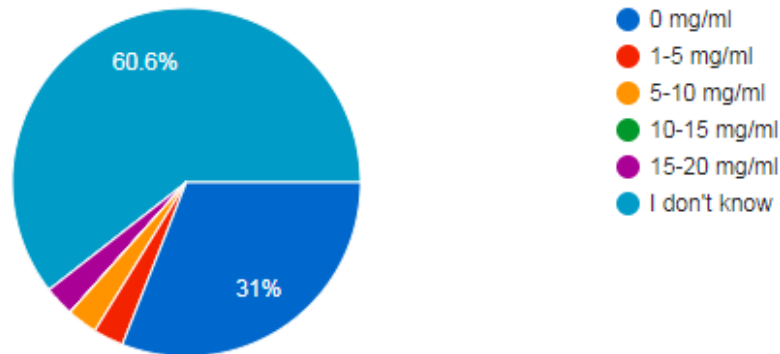
Question Eight

If you vape, how high is the nicotine content of your e-liquid?

- ☐ 0 mg/ml
- ☐ 1-5 mg/ml
- ☐ 5-10 mg/ml
- ☐ 10-15 mg/ml
- ☐ 15-20 mg/ml
- ☐ I don't know

If you vape, how high is the nicotine content of your e-liquid?

71 responses



Pre-Intervention Survey

Where do you believe vaping most often occurs at RJSHS?

Short answer text

Question Nine

Where do you believe vaping most often occurs at RJSHS?

150 responses

bathrooms

bathroom

I don't know

Bathrooms

Bathroom

In the bathrooms

idk

parking lot

locker rooms

Pre-Intervention Survey

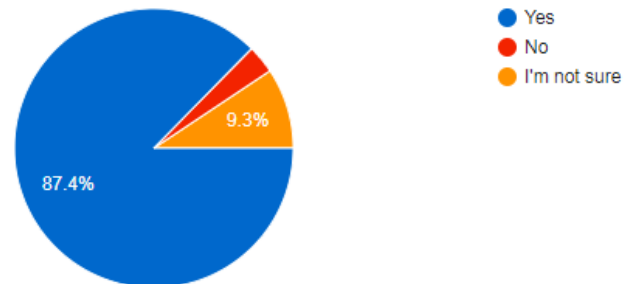
Do you believe vaping is dangerous for you?

- ☐ Yes
- ☐ No
- ☐ I'm not sure

Question Ten

Do you believe vaping is dangerous for you?

182 responses



Pre-Intervention Survey

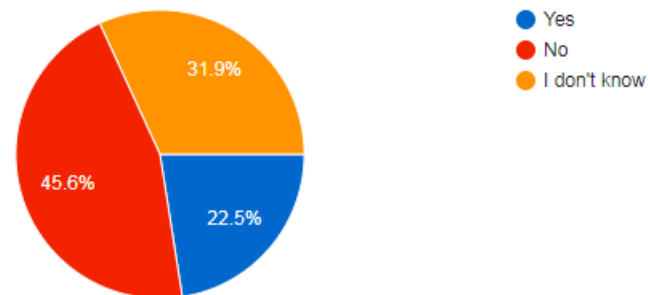
Do you believe vaping is less dangerous than smoking?

- ☐ Yes
- ☐ No
- ☐ I don't know

Question Eleven

Do you believe vaping is less dangerous than smoking?

182 responses



Pre-Intervention Survey

Question Twelve

What dangers do you think could come from vaping?

Long answer text

What dangers do you think could come from vaping?

148 responses

death

lung cancer

Lung cancer

Cancer

bad lungs

lung damage

Death

idk

i dont know

Pre-Intervention Survey

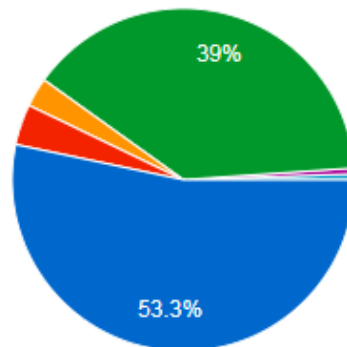
Question Thirteen

I am a:

- ☐ Female non vaper
- ☐ Female occasional vaper
- ☐ Female frequent vaper
- ☐ Male non vaper
- ☐ Male occasional vaper
- ☐ Male frequent vaper

I am a:

182 responses



- Female non vaper
- Female occasional vaper
- Female frequent vaper
- Male non vaper
- Male occasional vaper
- Male frequent vaper

Pre-Intervention Survey

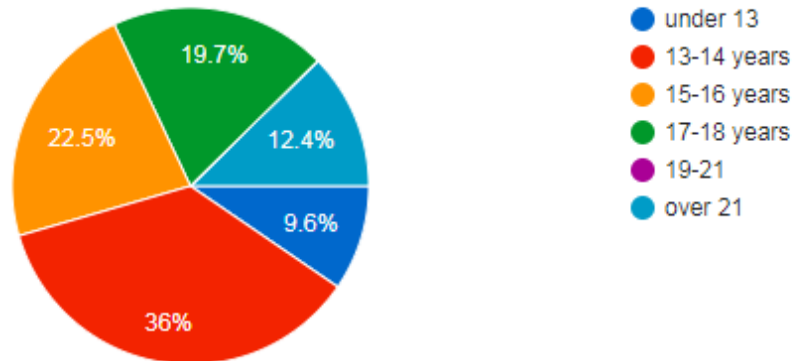
Optional: What is your age range?

- ☐ under 13
- ☐ 13-14 years
- ☐ 15-16 years
- ☐ 17-18 years
- ☐ 19-21
- ☐ over 21

Question Fourteen

Optional: What is your age range?

178 responses



All-School Assembly

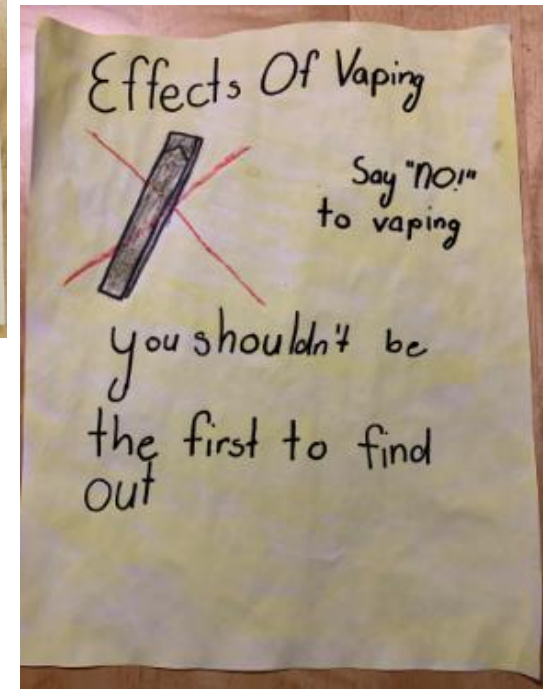
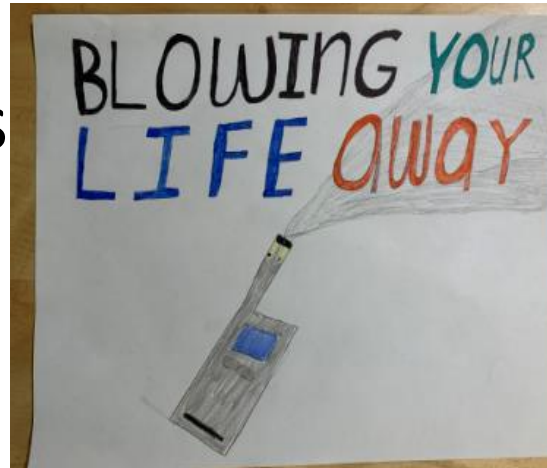


- ❖ Informative
- ❖ Scare Tactics
- ❖ Motivation

February 20, 2020 – Rossville Junior/Senior High School

Literature and Posters

❖ Student Posters



❖ KDHE Signs



Policy Proposal

❖ New Policy

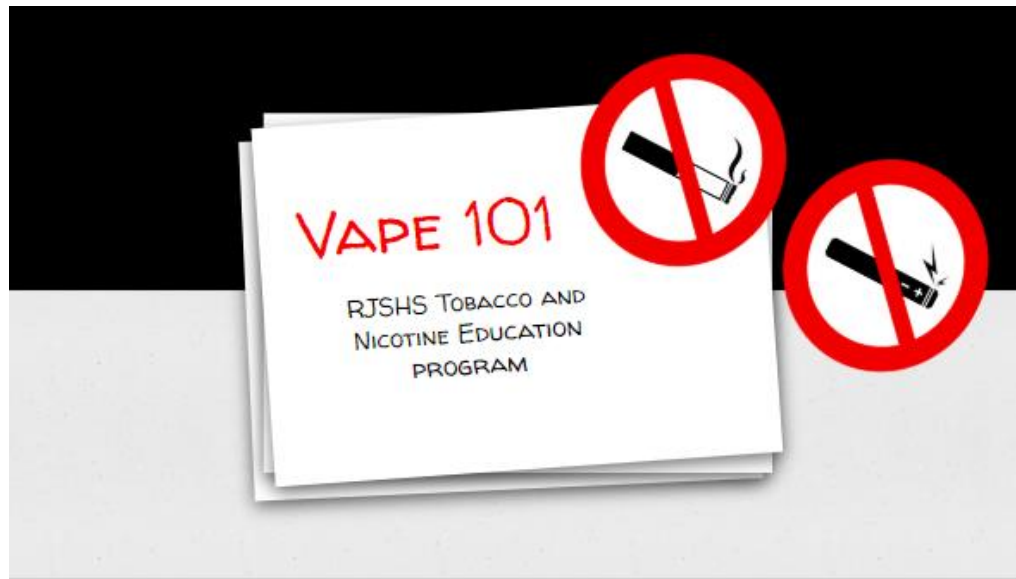
Possession and/or use of tobacco products, including electronic cigarettes and related products, by students, staff, and visitors are prohibited in any attendance center, in any school-owned vehicle, at school-sponsored events or on school grounds. Visitors not in compliance will be asked to leave the building. Copies of this policy will be **posted at all entrances** to the school, as well as on the **walls throughout the school**. This policy will be reinforced by **announcements at the beginning of school events, to include sporting events and extra-curricular activities**.

Student Consequences

First Offense	Two day ISS, completion of remediation program, contact law enforcement
Second Offense	Three day OSS, completion of remediation program, contact law enforcement, one game suspension from current sports team
Third Offense	Five day OSS, completion of remediation program, contact law enforcement, removal from current sports team

Remediation Program

- ❖ Interactive multimedia educational program



Remediation Program



FACT CHECK!!

ANSWER THE FOLLOWING:

VAPING JUST ONCE TO TRY
IT IS NOT RISKY.



 Students choose an option

FACT CHECK!!

ANSWER THE FOLLOWING:

VAPING JUST ONCE TO TRY
IT IS NOT RISKY.

☐ True

☐ False

Remediation Program

YOU CAN BUY THIS \$590
PAIR OF YEEZYS

**FUN
FACT**

...AND A PS4



EVERY YEAR FOR LESS THAN THE COST OF VAPING

MPH Foundational Competencies

Number and Competency		Field Experience Activity or Product
2	Select quantitative and qualitative data collection methods appropriate for a given public health context	A pre-intervention survey was administered to students and staff of RJSHS to determine the needs of the school.
4	Interpret results of data analysis for public health research, policy or practice	Analysis of the pre-intervention survey result helped to determine the focus areas of concern to aid in directing the policy proposal.
7	Assess population needs, assets and capacities that affect communities' health	Analysis of the pre-intervention survey result helped to determine the focus areas of concern to aid in directing the remediation component.
9	Design a population-based policy, program, project or intervention	A policy was designed based on the pre-intervention survey to propose to the administration.
19	Communicate audience-appropriate public health content, both in writing and through oral presentation	Considering the audience of students and staff, the educational and remediation components included written and oral components as well as an oral presentation to begin.

MPH Emphasis Area Competencies

FSB Emphasis Area Competency		Description of Competency
1	Food safety and biosecurity	Evaluate solutions appropriate for different food safety, biosecurity, and defense issues in the food production continuum.
2	Threats to the food system	Examine specific threats to the food system and scientifically investigate how each can be prevented, controlled, and/or mitigated in the food production system.
3	Food safety laws and regulations	Differentiate key U.S. food safety regulatory bodies and their unique legislative authorities, missions, and jurisdictions.
4	Food safety policy and the global food system	Analyze and distinguish how food safety and governmental biosecurity policies, globalization, and international trade cooperation influence public health.
5	Multidisciplinary leadership	Contrast the food safety and biosecurity technical needs of different stakeholders and make judgements as to the appropriate methods of collaboration.

Acknowledgements

I would like to thank my committee members, Dr. Mulcahy and Dr. Adams for their time and assistance in completing my project.

Thank you also to Dr. Kastner for spending so much time and effort to help me improve. Your knowledge and guidance is very much appreciated.

I would also like to thank my preceptor, Donna Perry, for her help in developing ideas and objectives related to vaping. I would have been lost in the beginning without a direction to take my project.

Finally, I am thankful to my family. The many hours they have had to put up with me working on my project and presentation are appreciated. I promise to start cooking real meals again soon and quit pushing leftovers on you all.

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