



Teen Vaping in Rural Massachusetts

Quaboag Hills Substance Use Alliance

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Meet the Team

We are medical and pharmacy students working with the Quaboag Hills Substance Use Alliance to examine **how teen vaping is being addressed in clinics, schools, and local government.**



Outline

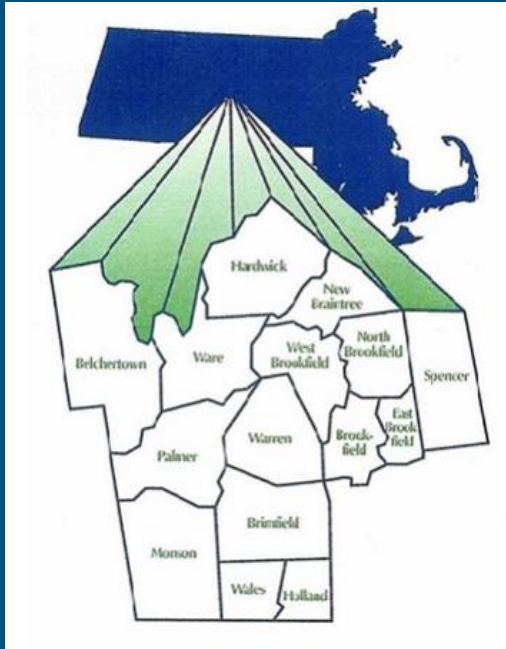
1. Population of Focus
2. Current Legislation
3. Interprofessional Exposure and Community Experience
4. PURCH Advocacy Pitch: Service Project
5. Acknowledgements
6. References

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Defining the Population:

Where is the Quaboag Hills Region?



Region spans the most rural areas of Hampden, Hampshire, and Franklin Counties

Population of Interest:

Teens, advocates, and school officials in public schools in the Quaboag Hills Region

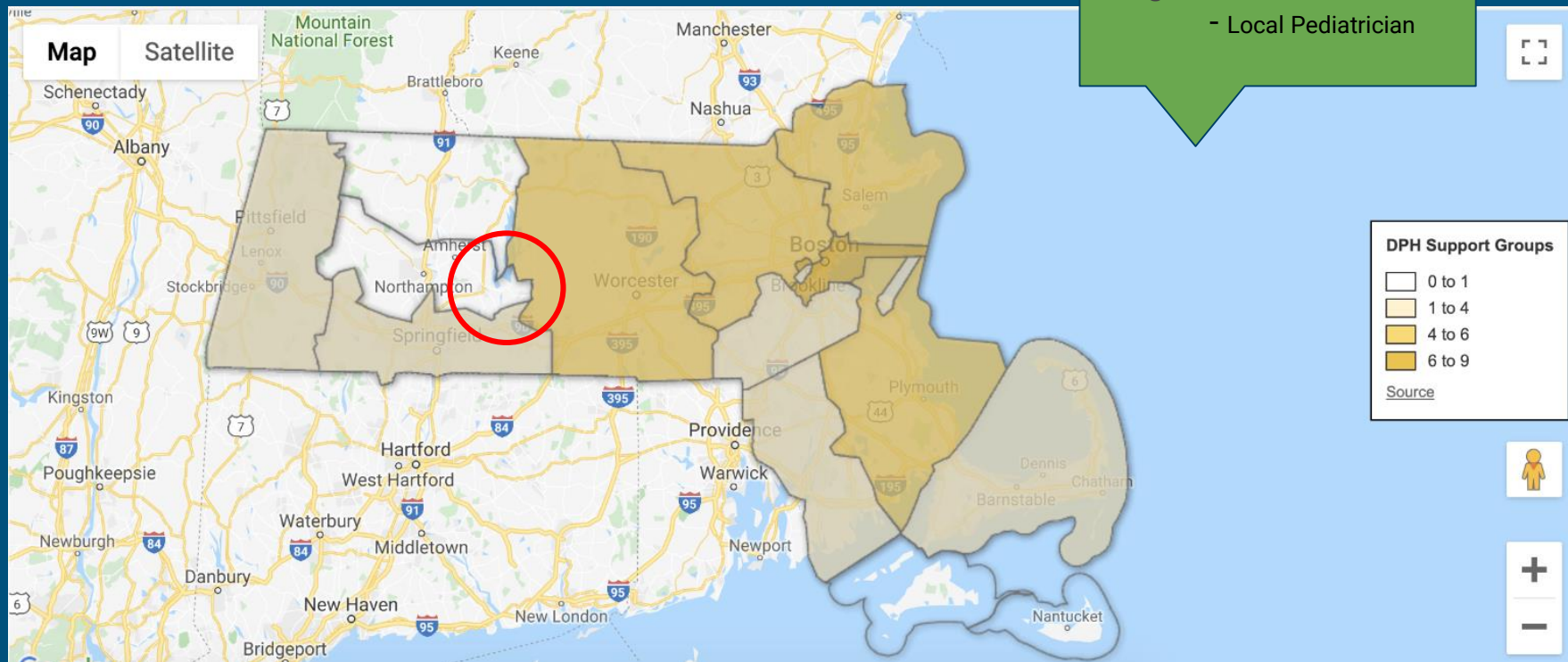
Source: Quaboag hills chamber of commerce

Defining the Region:

Resource Vacuum

"If I had a magic wand I would improve access to transportation in this region"

- Local Pediatrician



<https://www.census.gov/geographies/mapping-files/time-series/geo/kml-cartographic-boundary-files.html>

<https://www.mass.gov/massachusetts-tobacco-cessation-and-prevention-program-mtcp>

Teen Substance Use Data:
Quaboag Hills Substance Use Survey:
Students Who Vaped at Least Once in the Last 30 Days



2019 20% Vaped
2017 10% Vaped

2019 28% Vaped
2017 20% Vaped

2019 46% Vaped
2017 28% Vaped

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MA Legislators Respond to Vaping 'Epidemic'

Health

Massachusetts to ban sale of all vaping products for 4 months in toughest state crackdown

Massachusetts DPH reports more vaping-related lung injury cases to CDC

70
Shares



WCVB 5 abc

Updated: 11:36 PM EDT Sep 30, 2019

Amid Record Rise In Teen Vaping, Mass. Officials Call For Adults To Act

December 17, 2018

By [Miriam Wasser](#)



'We're Done': Boston-Area Shop Extinguished After Vaping Ban

October 04, 2019 Updated Oct 04, 2019 4:32 PM

By [Peter O'Dowd](#) and [Allison Hagan](#)



Vape store owners are suing to stop the product bans in New York and Massachusetts

By [Lauren del Valle](#), CNN

Updated 11:56 AM ET, Sat October 5, 2019

Current Related Advocacy:

Ban Information and Impact

- Support from teen substance use advocates
- Opposition from retail owners
 - Loss of revenue and not reimbursed for inventory
- Impact on e-cigarette users
 - Teens report they're still able to get vapes
 - Some are going back to cigarettes
- Ban expires in January

"We know eating red meat every day is detrimental to your health, but when there is E.Coli H.157 in that same product I have to pull it from the shelf immediately. The same principal applies to tobacco products."

- Director of the Quabbin District Board of Public Health

Massachusetts Vaping Product Ban

On September 24, 2019, Governor Baker declared a public health emergency in the Commonwealth due to severe lung disease associated with the use of e-cigarettes and vaping products and the epidemic of e-cigarette use among youth.

The Commissioner of Public Health has temporarily prohibited the sale and display of all vaping products and e-cigarettes until further notice.

For help quitting:
MakeSmokingHistory.org
1-800-QUIT-NOW



Current Related Advocacy:

MA Legislation: Bills S.2357 and H.4089

Ban the sale of flavored tobacco products across the Commonwealth

Limit sale to adult only smoking bars (ex. hookah lounges)

Goal: Limit the power companies have to target young people with fruity and sweet flavors



Source: <https://www.blu.com/en/US/explore/>

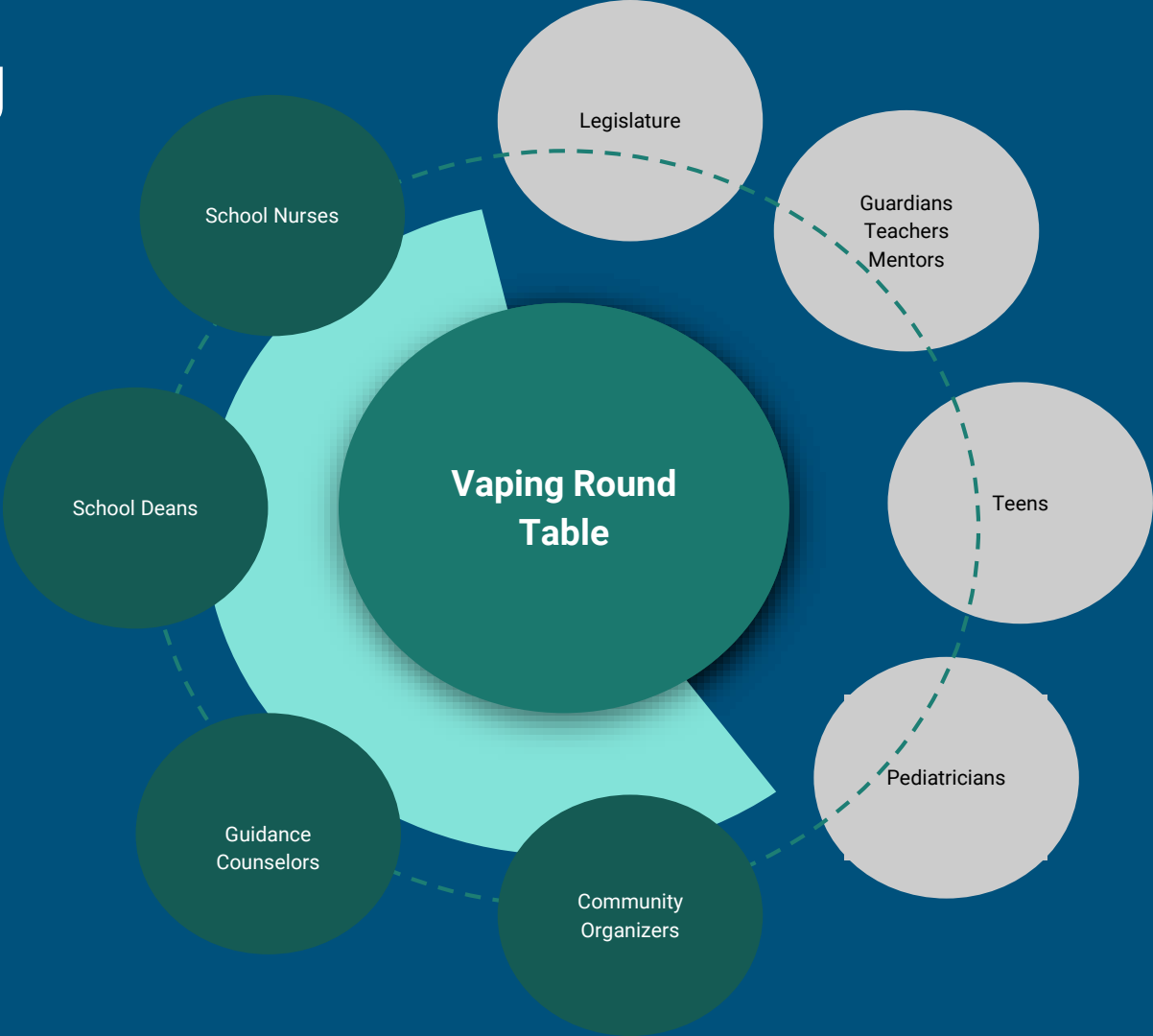
"No fifty-year old smoker wants strawberry lemonade flavored juul pods"

-Ware High School Student

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Who is coming to the Table?



Interprofessional Networks of Care and Exposure :

Teen Advocates and Professionals



*“There is no question
they are targeting kids
and that’s a problem”*

State
Senator



"Under the MIAA rules athletes lose 25% of their season [if they're caught vaping]. You'd think that they would stop but they don't"



School
Principal

*“Vaping is the same leash
as cigarettes, it’s just a
prettier leash”*



Cessation
Coach





“Students are coming up to me saying they need help but I don’t know what resources to provide them”

Lifeskills
Teacher

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Key Takeaways

There are currently prevention efforts and programs for teens with diagnosed substance use disorders. Yet, for students who vape but **do not have a diagnosed disorder**, doctors, teachers, caregivers, legislators, and town advocates **do not have the resources to support a primary intervention**.

- **Doctors “just don’t have enough time”** to dive into the issue if a student does not have an emergent substance use disorder (S. Siege, personal communication, 10/22).
- **Teachers and caregivers feel “unprepared to have these conversations”** and **“just don’t know appropriate resources”** (Ware High School Teacher, personal communication, 10/28).
- Town advocates explain that **government “refuses funding** for a project that is not yet evidence-based” (N. Jenkins, personal communication, 10/25).

PURCH Advocacy Pitch:

Service Project for Primary Intervention

With the help of Quaboag Hills Substance Use Alliance leaders, Nehr Jenkins and Gail Gramarosa, **we propose piloting a substance-free stress management group** in schools to benefit adolescents who need assistance quitting vaping before a child develops a substance use disorder.

Please take action and consider funding a pilot study to:

- Allocate time of a trusted **teacher** to lead a support group of 5-10 students
- Compensate an expert to **design curriculum and provide teacher training**
- Provide **transportation** to allow for teens to access the support group on weekends in order to maintain anonymity

PURCH Advocacy Pitch:

Uncle Sam wants YOU to call/write your legislators!

- Search for your state legislators here:
<https://malegislature.gov/search/findmylegislator>
- Ask them to **support the ban** on the sale of flavored tobacco
- Propose **piloting a primary intervention**



Acknowledgements

Special thanks to:

- Gail Gramarosa
- Nehr Jenkins
- Dr. Scott Siege
- Dr. Melissa Mattison
- PURCH Faculty:

- including Dr. Sarah McAdoo, Angela Sweeney, Justin Ayala, and Dr. Raquel Belforti



References

Jenkins, N. Quaboag Hills Drug Free Communities Project Coordinator. (2019, October 25). Interview by E. Adler.

Massachusetts Tobacco Cessation and Prevention Program (MTCP). (2019). Retrieved October 29, 2019, from Mass.gov website: <https://www.mass.gov/massachusetts-tobacco-cessation-and-prevention-program-mtcp>

Siege, S. Medical Director for BMP-Quabbin Pediatrics. (2019, October 22). Interview by R. Kelley.

Stanley, J. North Brookfield Adjustment Counselor. (2019, October 28). Interview by S. Thibault.

Sweeney, T. Smoking Cessation Coach and Consultant. (2019, October 25). Interview by A. McClements.

The 191st General Court of the Commonwealth of Massachusetts. (2019). Retrieved from Malegislature.gov website: <https://malegislature.gov/>

US Census Bureau. (2019, May 2). Cartographic Boundary Files - KML. Retrieved October 29, 2019, from Census.gov website: <https://www.census.gov/geographies/mapping-files/time-series/geo/kml-cartographic-boundary-files.html>

Vaping Public Health Emergency. (2019). Retrieved from Mass.gov website: <https://www.mass.gov/guides/vaping-public-health-emergency>

Ware High School Students and Staff. (2019, October 28). Focus group by A. McClements, R. Kelley, S. Thibault, and E. Adler.