

A Rapid Systematic Review: The Long-Term Health Effects of Vaping Amongst Teens

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PICO Question

- What effects does vaping have on teenagers in the United States from 2015-2020?

Population: Teenagers in the U.S

Intervention: Vaping

Comparison: N/A

Outcome: Adverse health effects of vaping

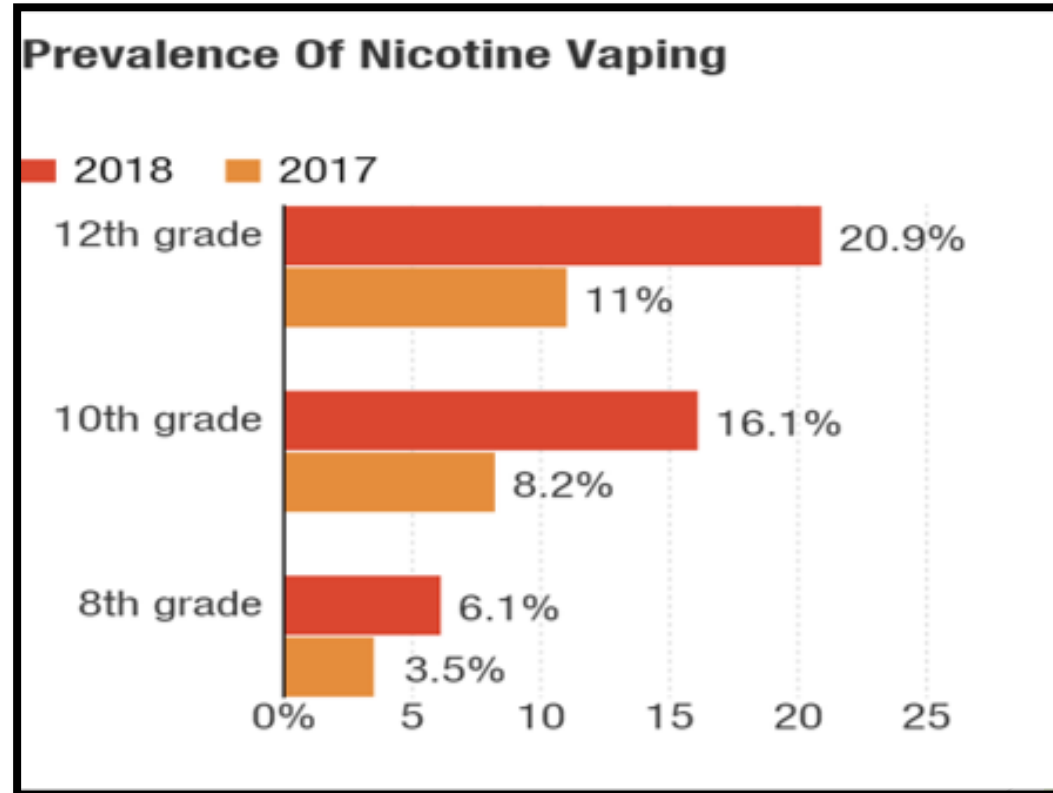


Methods

- ▶ Compiled 60 articles
- ▶ PubMed, Google Scholar, CDC, FDA
- ▶ American teens from 2015 to 2020
- ▶ Verified research articles listed references at the bottom of the article

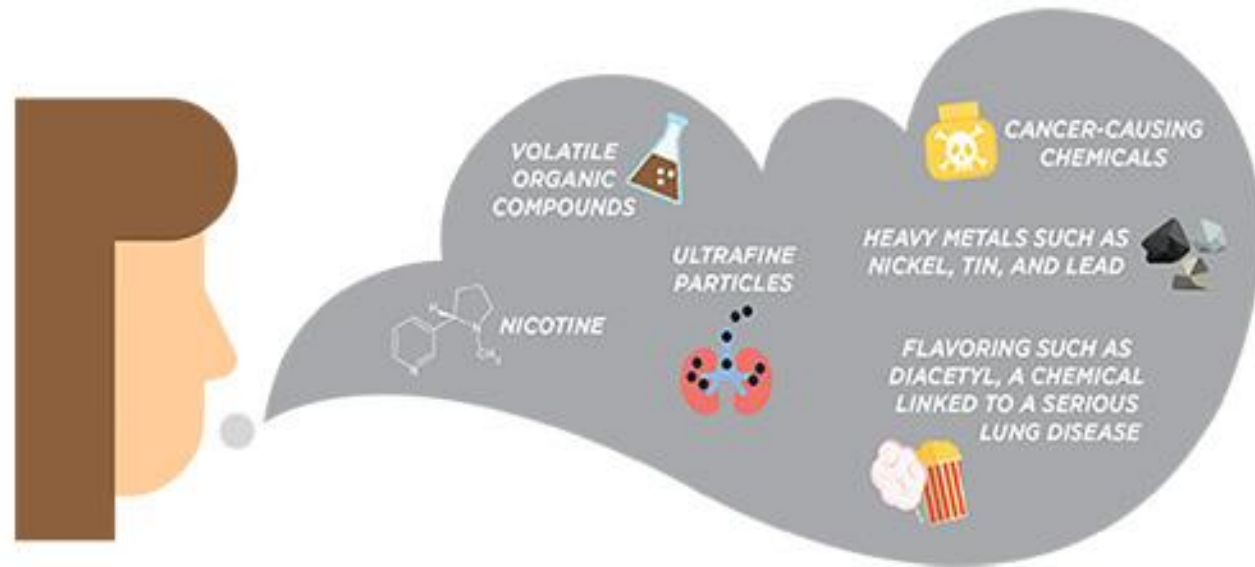
Results

- ▶ Cardiovascular disease
- ▶ Lungs
- ▶ Brain Development
- ▶ Harmful chemicals
- ▶ Oral health
- ▶ Teen Influence
- ▶ Statistic overview



Discussion

- ▶ Purpose is to inform our patients/parents of the health risks
- ▶ Addictive substances
- ▶ Social media/ peer pressure



Conclusion

- ▶ Long-term side effects
- ▶ More research must be done
- ▶ Recommendation/suggestions

References

- ▶ National Center for Chronic Disease. "E-Cigarettes: Talk to Youth About the Risks." *Centers for Disease Control and Prevention*, Centers for Disease Control and Prevention, 2 Dec. 2019, www.cdc.gov/tobacco/features/back-to-school/e-cigarettes-talk-to-youth-about-risks/index.html.
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- ▶ Russell, Christopher, et al. "Harm and Addiction Perceptions of the JUUL E-Cigarette Among Adolescents." *OUP Academic*, Oxford University Press, 26 Sept. 2019, academic.oup.com/ntr/article/22/5/713/5574027.
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- ▶ The American Journal of the Medical Sciences. "E-cigarettes and Vaping Associated Lung Injury: A Case Series and Brief Review." 13 Jan. 2020. [www.amjmedsci.org/article/S0002-9629\(20\)30007-0/FULLTEXT](http://www.amjmedsci.org/article/S0002-9629(20)30007-0/FULLTEXT)
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- ▶ Hammond, David. "Outbreak of Pulmonary Diseases Linked to Vaping." 10 Sept. 2019 www.Bmj.com/content/336/bmj.l5445.long