



Current Maine Statistics MIYHS 2019 Data







#### **Electronic Nicotine Delivery Systems**











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- 173 (13-18yo) mean 16.6 10 lifetime uses ENDS
- 80.3% still using 12 months later
- Daily use 14.5% at beginning- 29.8% after 12 months
- Only ENDS at start- 28.8% also using combustibles
- Dependence scores at baseline 13.3 %- at end increased 23.3%
- Dependence scores and cotinine levels increased over time.
- The ~ 20% who quit-desire for self- improvement: difficulty/cost maintaining device: getting in too much trouble.

Vogel EA, Prochaska JJ, Rubinstein ML. Measuring e-cigarette addiction among adolescents. Tob Control. 2020 May;29(3):258-262. doi: 10.1136/tobacccontrol-2018-054900. Epub 2019 May 11. PMID: 31079033; PMCID: PMC7738215. Additional control and control additional control additiona

## Assessing Nicotine Addiction from E-Cigarettes

EASI- E- Cigarette Addiction Severity Index Hooked on Nicotine Penn State E-Cigarette Dependence Index PROMIS Patient Reported Outcome Information System CRAFFT, DAST, AUDIT, PHQ-9, AC-OK,

### Nicotine Dependence and Mental Health



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# Medication- FDA approved for 18 and over- Studies in youth with combustibles



Squeglia LM, Fadus MC, McClure EA, Tomko RL, Gray KM. Pharmacological Treatment of Youth Substance Use Disorders. J Child Adolesc Psychopharmacol. 2019 Aug;29(7):559-572. doi: 10.1089/cap.2019.0009. Epub 2019 Apr 22. PMID: 31009234; PMICID: PMIC6727439.

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#### **Resources Hooked on Nicotine Checklist:** https://www.umassmed.edu/globalassets/attocpenn/the hooked on nicotine checklist.pdf? t id=1B2M2Y8AsgT pgAmY7PhCfg%3D%3D& t q=HONC& t tags=language% 3A% -Penn State e-Cigarette Dependence Scale: https://research.med.psu.edu/smoking/dependenceindex/ Julius Richmond Center AAP – Tobacco Prevention Treatment Advocacy: https://www.aap.org/en-us/advocacy-and-policy/aaphealth-initiatives/Richmond-Center/Pages/default.aspx American Academy of Pediatrics DEDICATED TO THE HEALTH OF ALL CHILDREN Maine Chapter



