

Comparing Pod and Mod ENDS Users: User and Product Characteristics, Use Patterns, and Biomarkers of Exposure and Harm



WNY CENTER FOR RESEARCH ON FLAVORED TOBACCO

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Disclosures

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All other contributors have nothing to declare.

The views expressed are solely those of the authors.

Background

Mods



Pods



Method

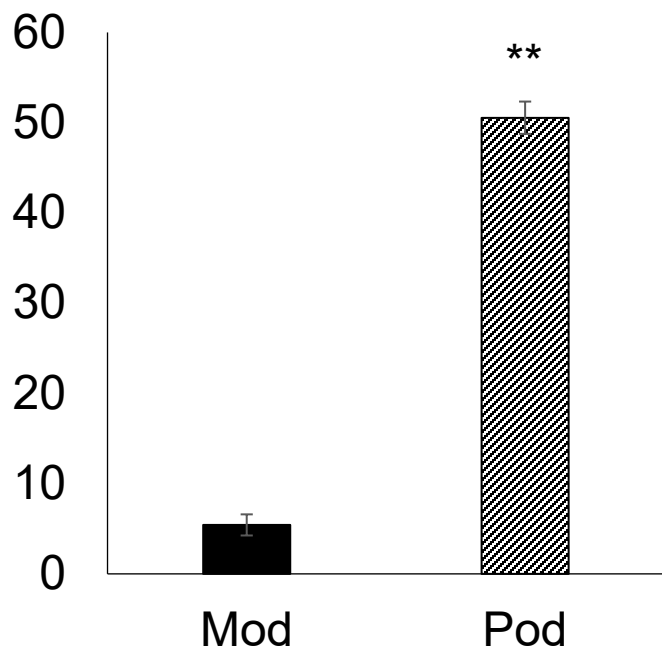
- 51 ENDS Users
 - 26 mod (freebase nicotine)
 - 25 pod (nicotine salts)
- Single Session
 - Questionnaires
 - Liquid Constituents
 - Respiratory health
 - Biomarkers
 - *Ad lib* puff topography

	Mod	Pod
Age (years)	27.6 (1.3)	23.6 (1.6)
% Male	73.1	60.0
% White	96.2	88.0
% Some College+	61.5	68.0
% Ever Cigarette	92.3	92
Months Quit*	48.8 (7.8)	28.8 (5.7)

*p < .05

Liquid Constituents

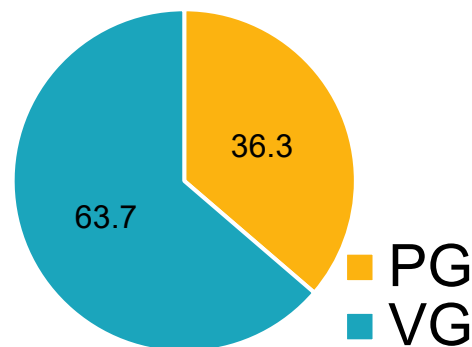
Nicotine (mg/ml)



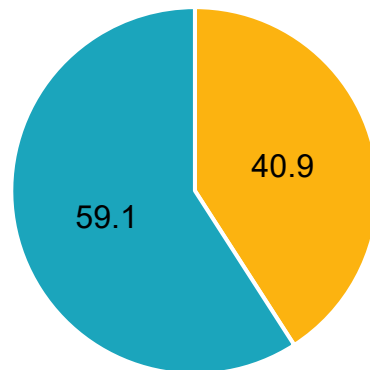
** $p < .001$ between groups

PG:VG Ratio

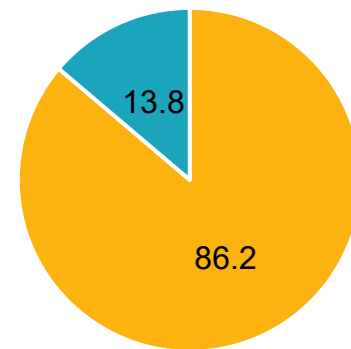
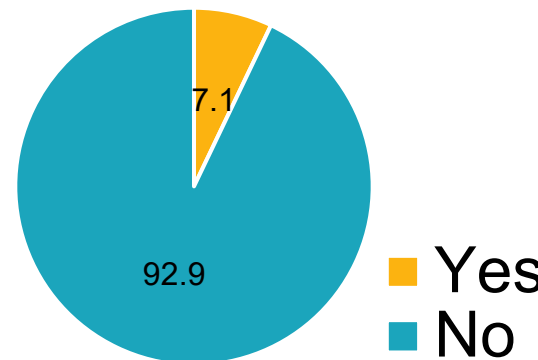
Mod



Pod

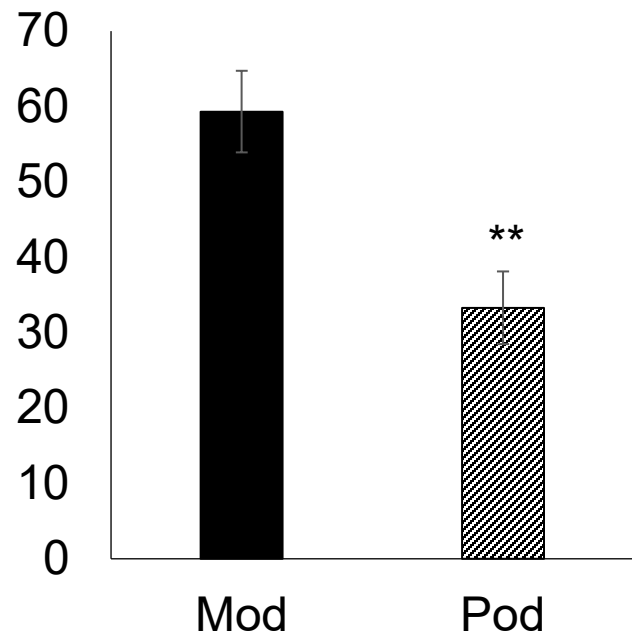


Salts Present**

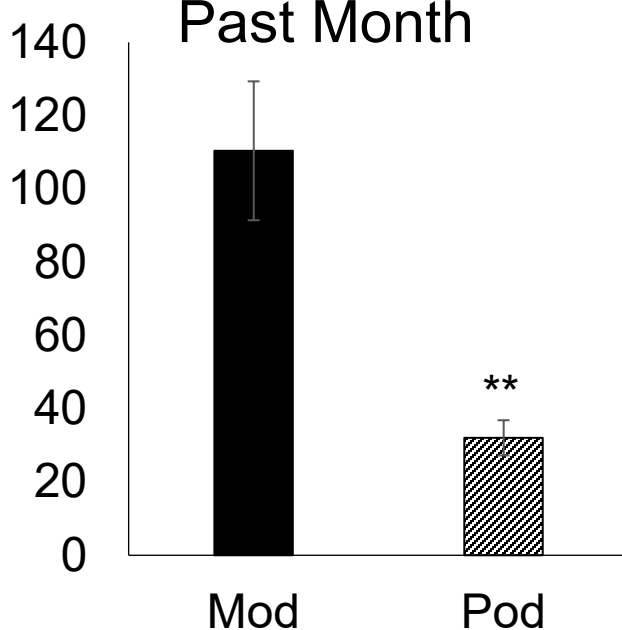


ENDS Use and Nicotine Exposure

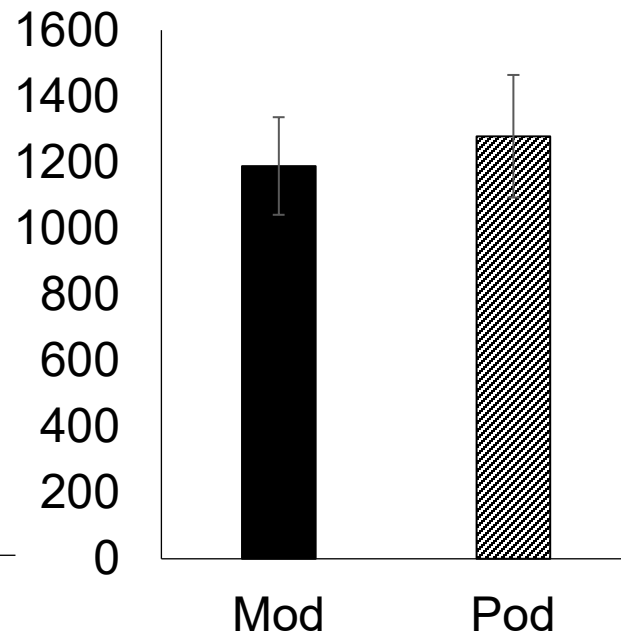
Months Used



ml Purchased - Past Month



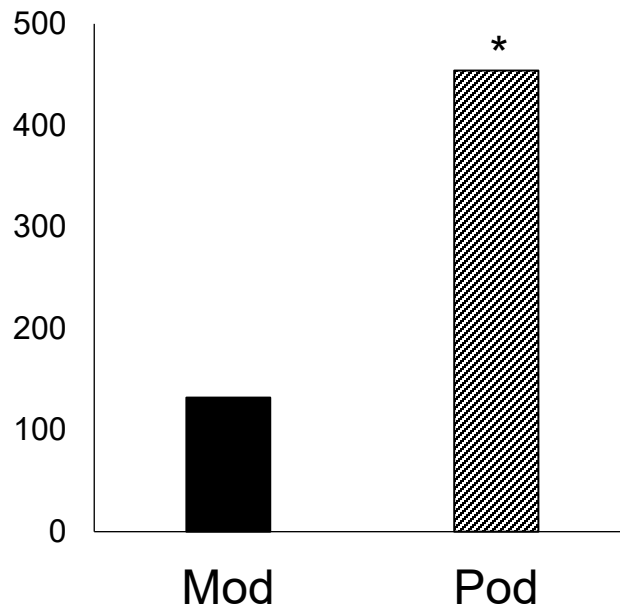
Cotinine (ng/ml)



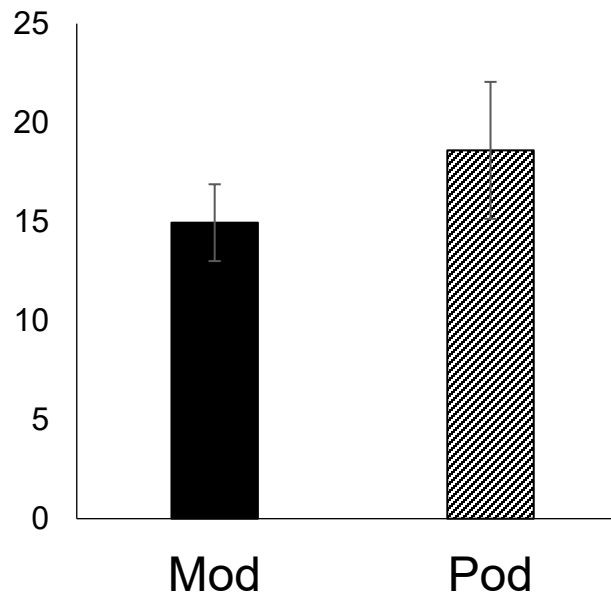
** $p < .001$ between groups

Health Indicators

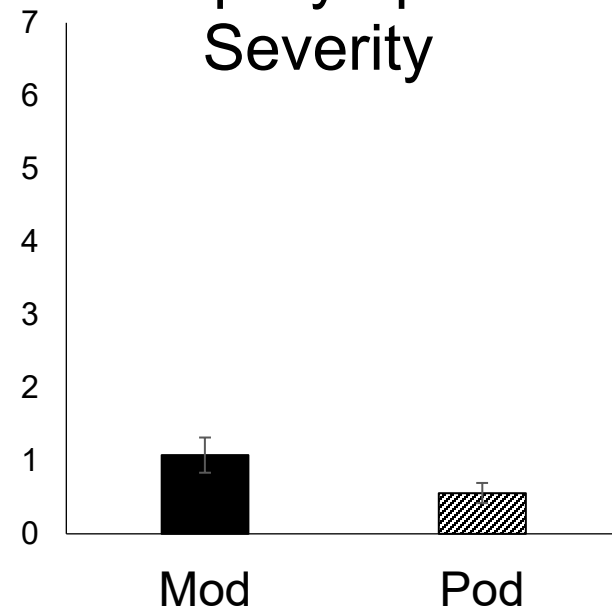
IL-6 (pg/ml)



FeNO (ppb)



Resp Symptom Severity



* $p < .05$ between groups

Conclusions

- Liquid constituents differ between devices
- Mod users may be heavier users, but don't differ on nicotine exposure
- Health-related outcomes show mixed results
- More data to come!

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