



Division of Adolescent & Young Adult Medicine Retreat- 2018

Research Works in Progress
Adolescent Medicine Fellowship

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PGY-5

Ongoing Research Endeavors

Project #1: (ENDS)

- Electronic Nicotine Devices (ENDS) usage and the associated knowledge, perceptions and biomarker findings among California youth: a biopsychosocial evaluation of ENDS usage and addiction.

Project #2: (QI)

- Substance Use Screening QI Project: Current Screening Practices of Substance Use: A Retrospective chart review

Background/Purpose

ENDS Project:

- **Goal 1:** To investigate the baseline perceived addictiveness and factors contributing to the initiation and continuation of ENDS usage among youth
- **Goal 2:** To outline the development/evolution of psychological and biochemical nicotine dependence over time
- **Goal 3:** To qualitatively investigate the motivating factors leading to continued and the initiation of ENDS usage

QI Project:

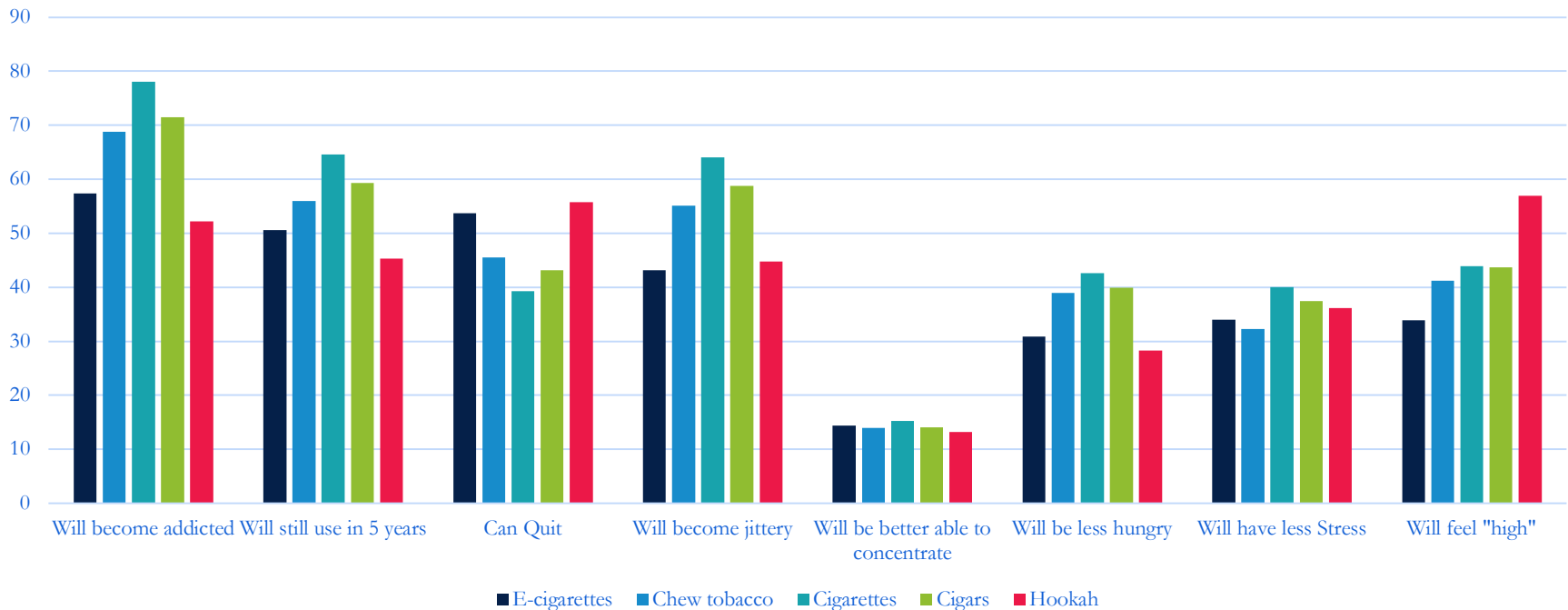
- **Goal 1:** To outline screening practices regarding substance use
- **Goal 2:** Plan PDSA cycles to improve documented screening rates

Methods / Results

ENDS: Phase 1 analyses of addiction and addictiveness

- Project #1: Cross-sectional evaluation of perceptions of addiction, and addictiveness among California youth (N=764)

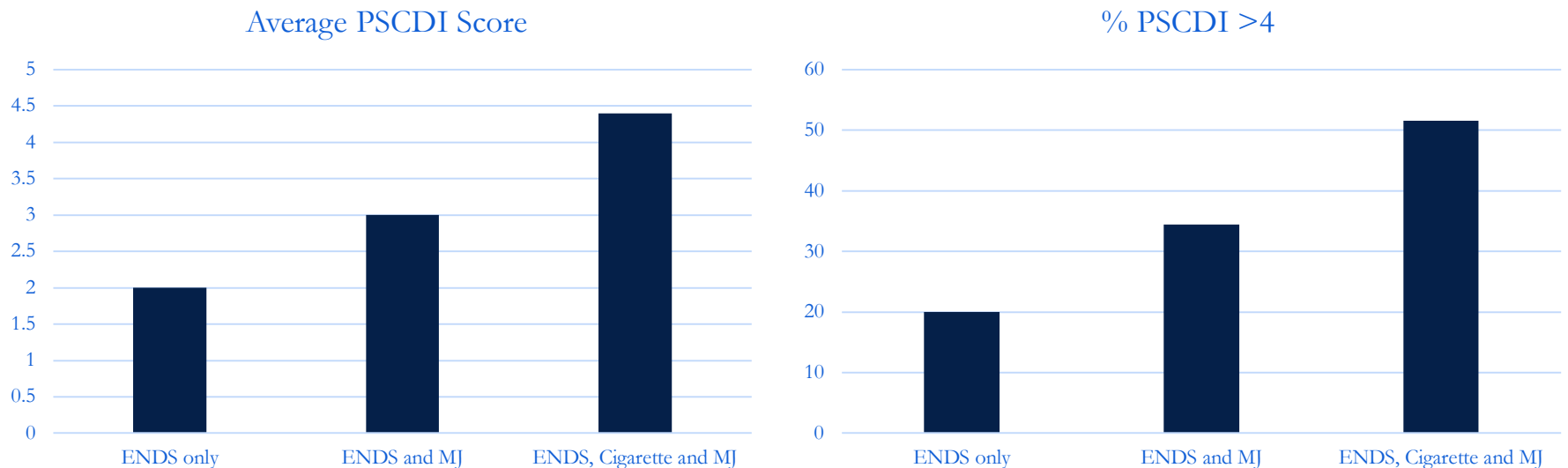
If you used the following products 2-3 x/day, what is the chance that you (0-100%)...



Methods / Results

ENDS: Phase 1 analyses of addiction and addictiveness

- Project #2: Potentiation of Marijuana Usage on Nicotine Dependency Among Adolescents who use ENDS (N=161)



Methods / Results

QI Project: Retrospective chart review

- Baseline Data Collection (Subset N=296)

	+ in HEADDSS	- in HEADDSS	Total
+ on intake form	92	8	100
- on intake form	41	155	196
	133	163	296

Substance	% of those who report using any substance	% of total population surveyed	YRBS rates	MTF rates
Alcohol (N=111)	83.5	37.5	32.8	33
Marijuana (N=77)	57.9	26	21.7	23
Tobacco (N=9)	9.8	4.4	10.8	16

Discussion / Future Directions

ENDS Project:

- Phase 2: To outline the development of psychological and biochemical nicotine dependence over time
- Phase 3: To qualitatively investigate the motivating factors leading to continued and the initiation of ENDS usage

QI Project:

- PDSA #1: To assess impact of new screening form with imbedded CRAFFT 2.0
- PDSA #2: To assess impact of intake CRAFFT screening done via iPad versus paper questionnaire