

**EVALUATION OF A THEORY-BASED TOBACCO
EDUCATION PROGRAM TO MOTIVATE NURSING
STUDENTS TO INTERVENE WITH THEIR
SERIOUSLY MENTALLY ILL CLIENTS WHO SMOKE**



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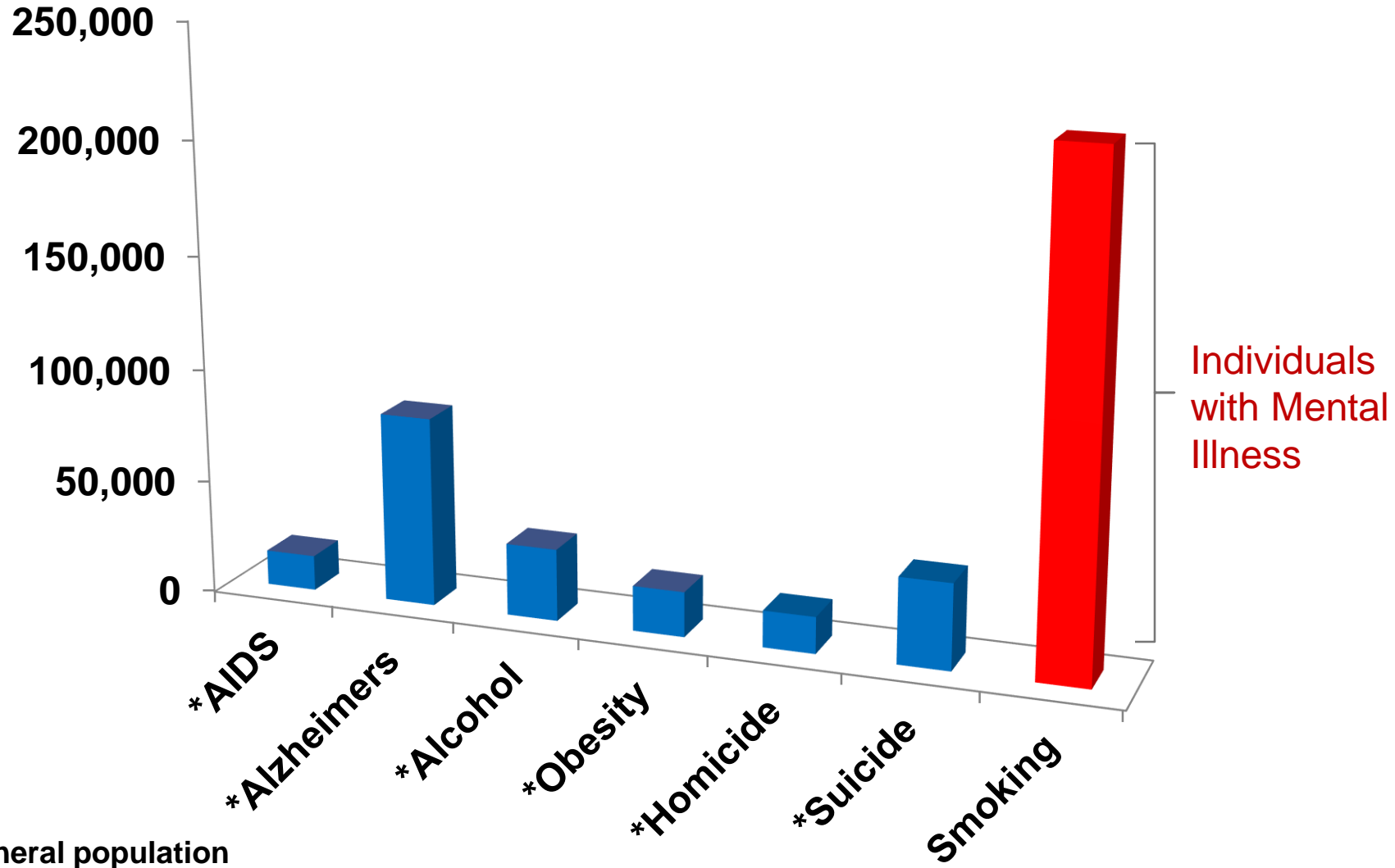
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This presenter has no conflict of interest to report

TOBACCO USE & MENTAL ILLNESS: PUTTING IT INTO PERSPECTIVE

- 70-90% of psychiatric patients smoke¹
- Smoking rates 2-4 x's that of the general population²
- Over ½ of 435,000 annual smoking related deaths are persons living with a mental illness²
- 25 year mortality gap between people with mental illness and the general population ^{2,3}

COMPARABLE CAUSES OF ANNUAL DEATHS UNITED STATES¹

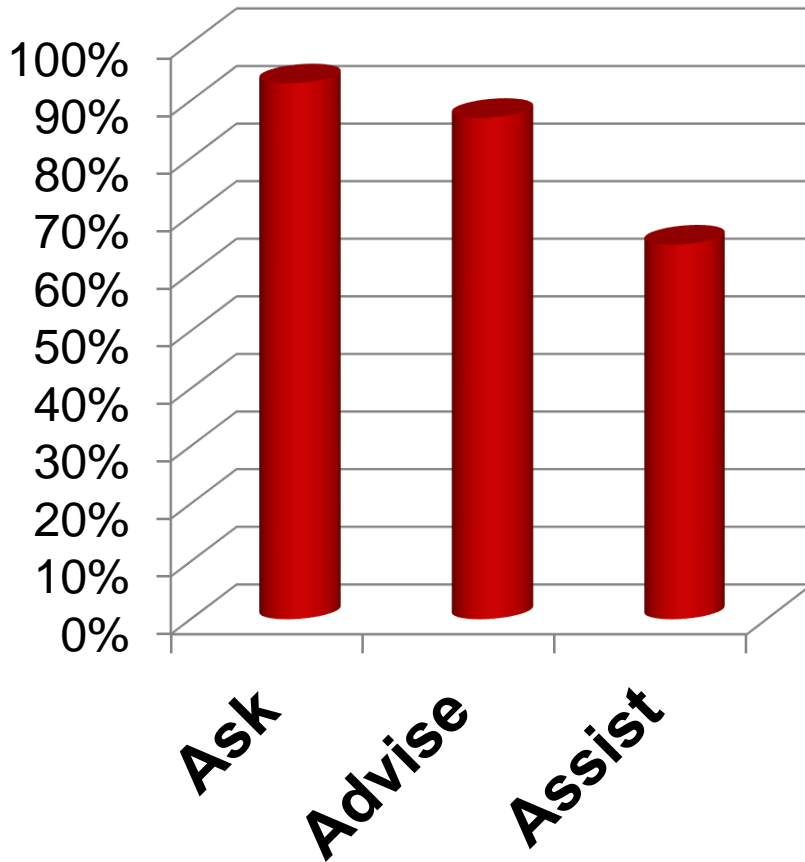


* General population

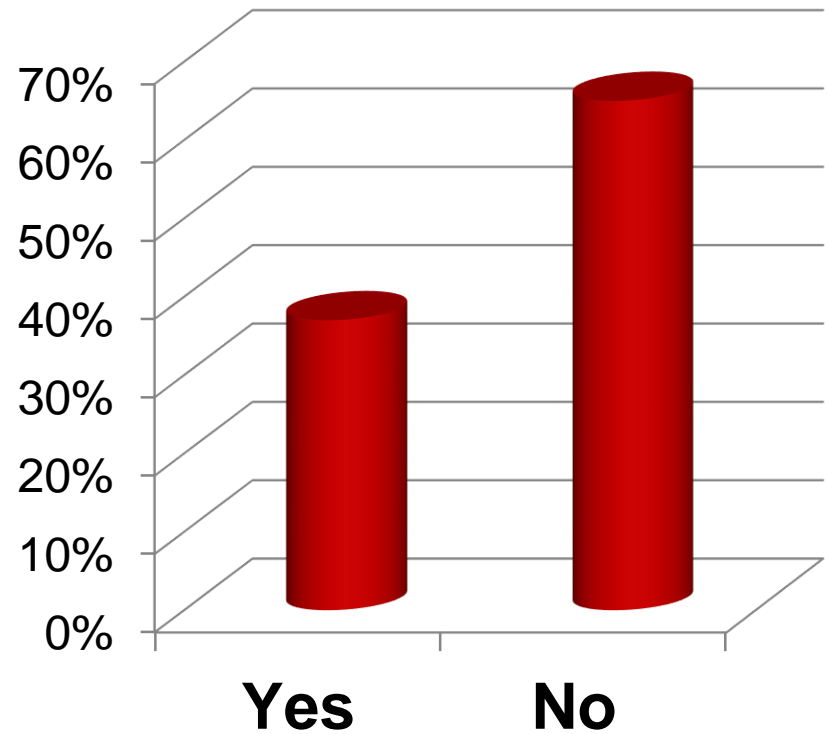
TOBACCO TREATMENT & MENTAL ILLNESS: WHAT DO WE KNOW?

- Interventions that work for smokers without mental illness also work for smokers with mental illness²
- Intensive treatment (**more frequent contact**) leads to comparable quit rates to smokers in the general population²
- > 70% report a desire to quit⁴
- Nurses do not consistently provide interventions or refer to other resources^{5,6}

Brief Interventions by Nurses



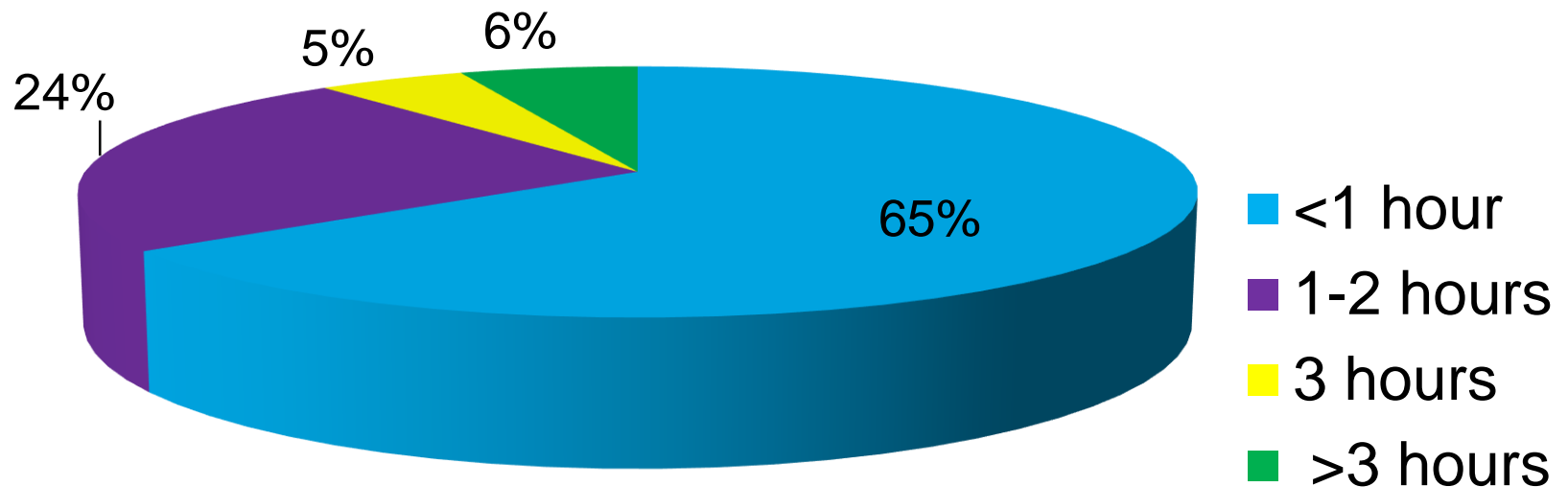
Intensive Interventions by Nurses



N = 1,065

(Sharp & Blaakman, 2013; unpublished data)

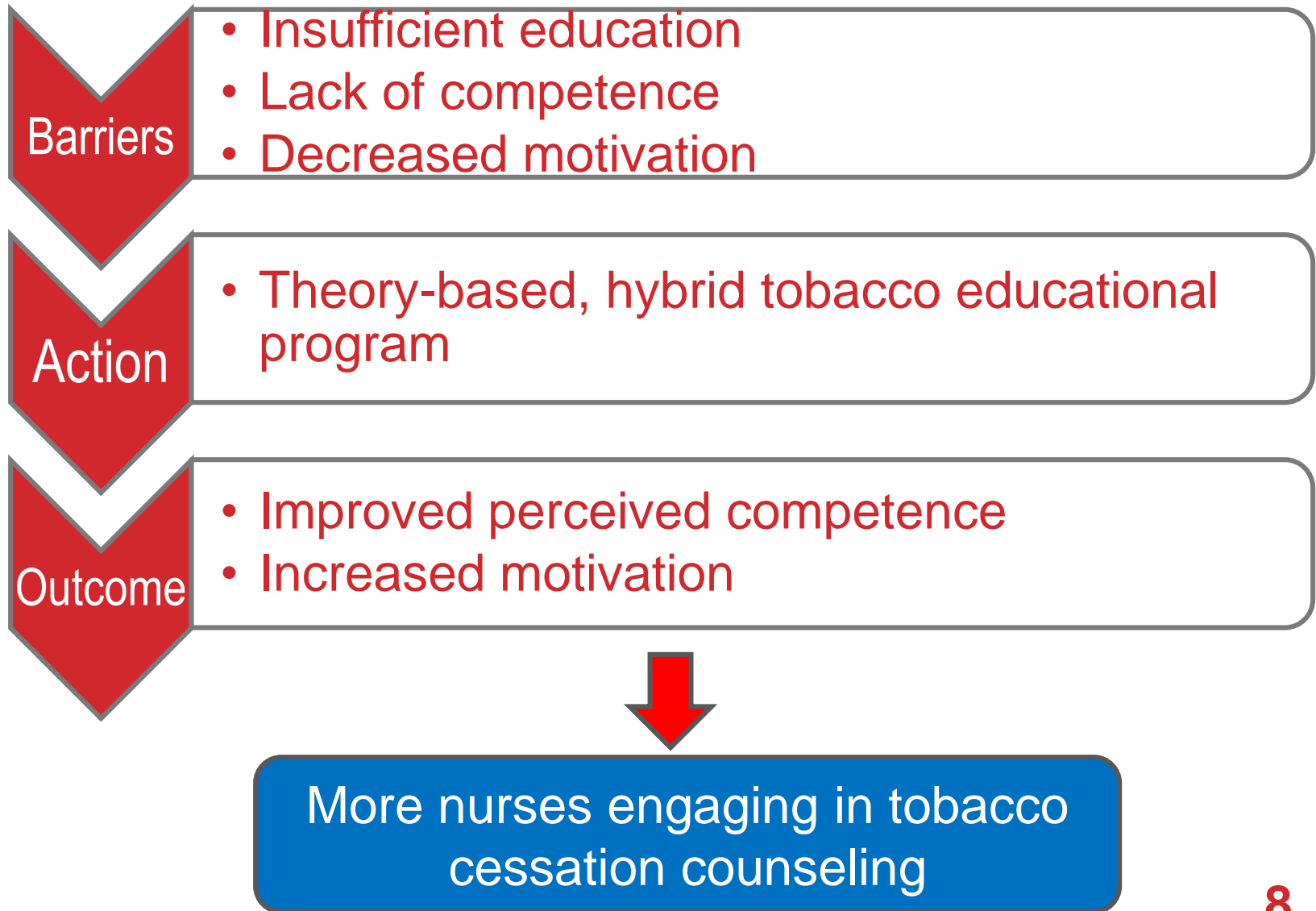
HOURS SPENT ON TOBACCO EDUCATION: UNDERGRADUATE NURSING PROGRAMS



N = 1,065
23% nursing faculty

(Sharp & Blaakman, 2013; unpublished data)

DIAGRAM OF THE PROBLEM



PURPOSE OF STUDY

- Assess the effect of a theory-based, hybrid, tobacco education program on the perceived competence and the autonomous motivation of baccalaureate (BSN) students enrolled in a psychiatric/mental health nursing course to intervene with seriously mentally ill clients who use tobacco

SELF-DETERMINATION (SDT) THEORY

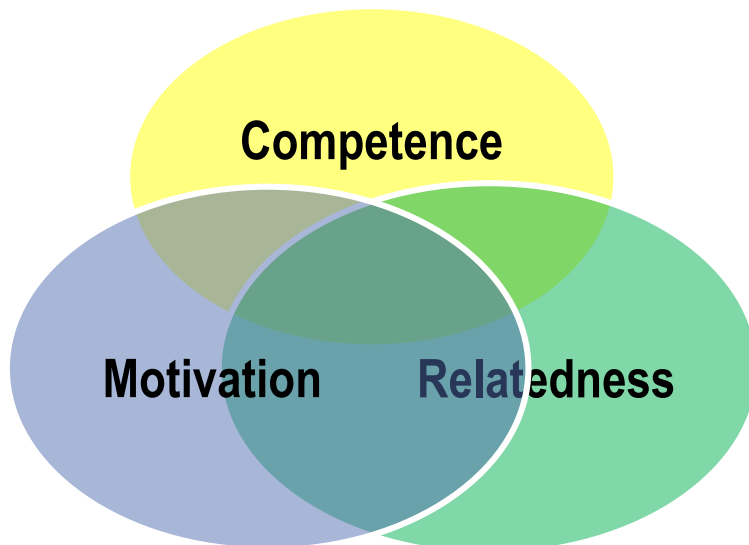
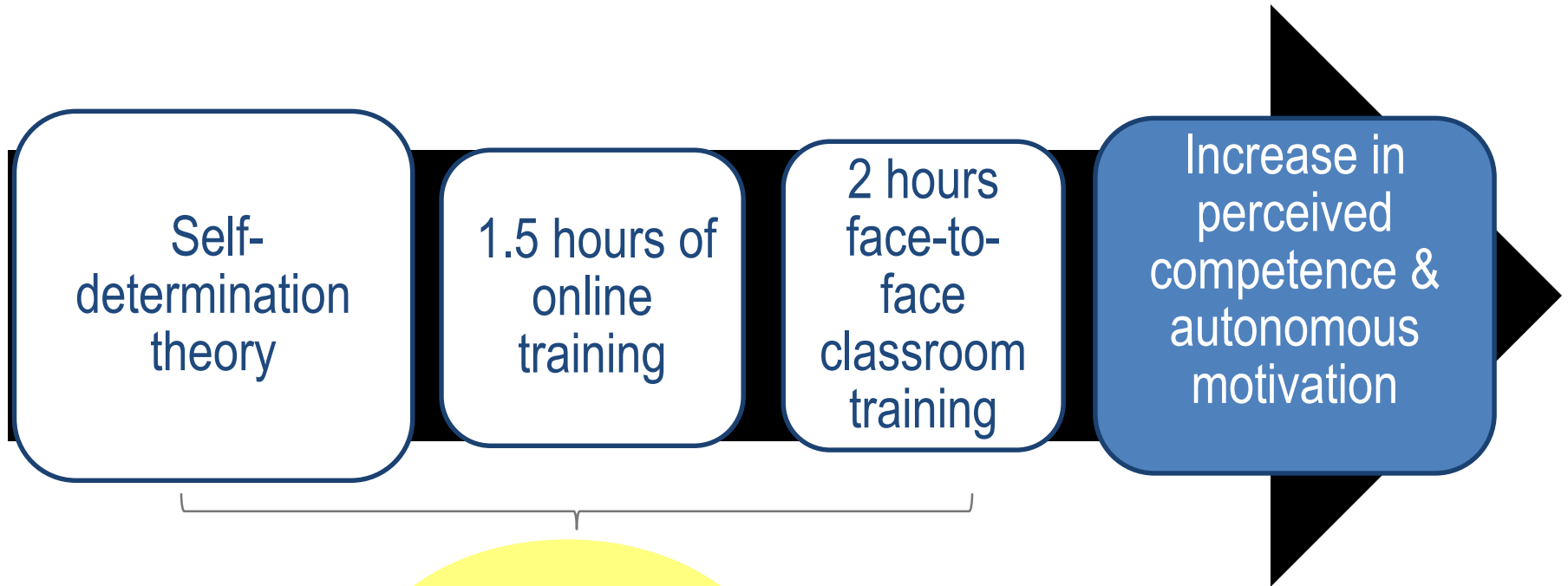
- Optimal profile for behavior change is high perceived competence and autonomous motivation⁷
- Autonomously motivated individuals are more likely to maintain change over time⁷
- Knowledge not sufficient for long-term integration of behavior change⁷
- Learning environment facilitates the adoption & sustainability of new behavior⁷

HYPOTHESES

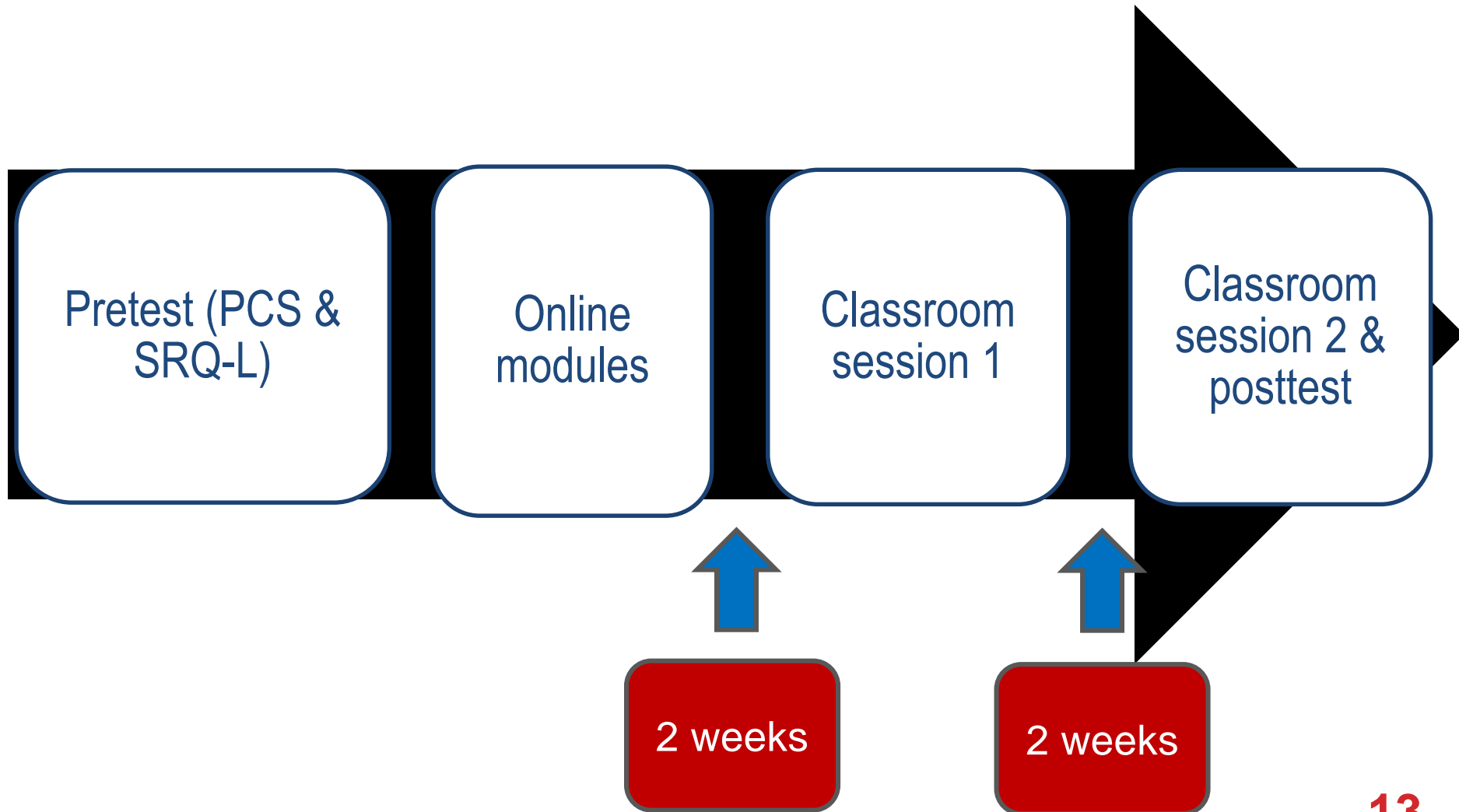
H 1. Students who complete a SDT-informed, hybrid education program will perceive themselves as more competent to deliver tobacco dependence interventions to SMI clients.

H 2. Students who complete a SDT-informed, hybrid education program will be more autonomously motivated to deliver tobacco dependence interventions to SMI clients.

EDUCATIONAL INTERVENTION






DESIGN: ONE GROUP, PRETEST/POSTTEST



SAMPLE

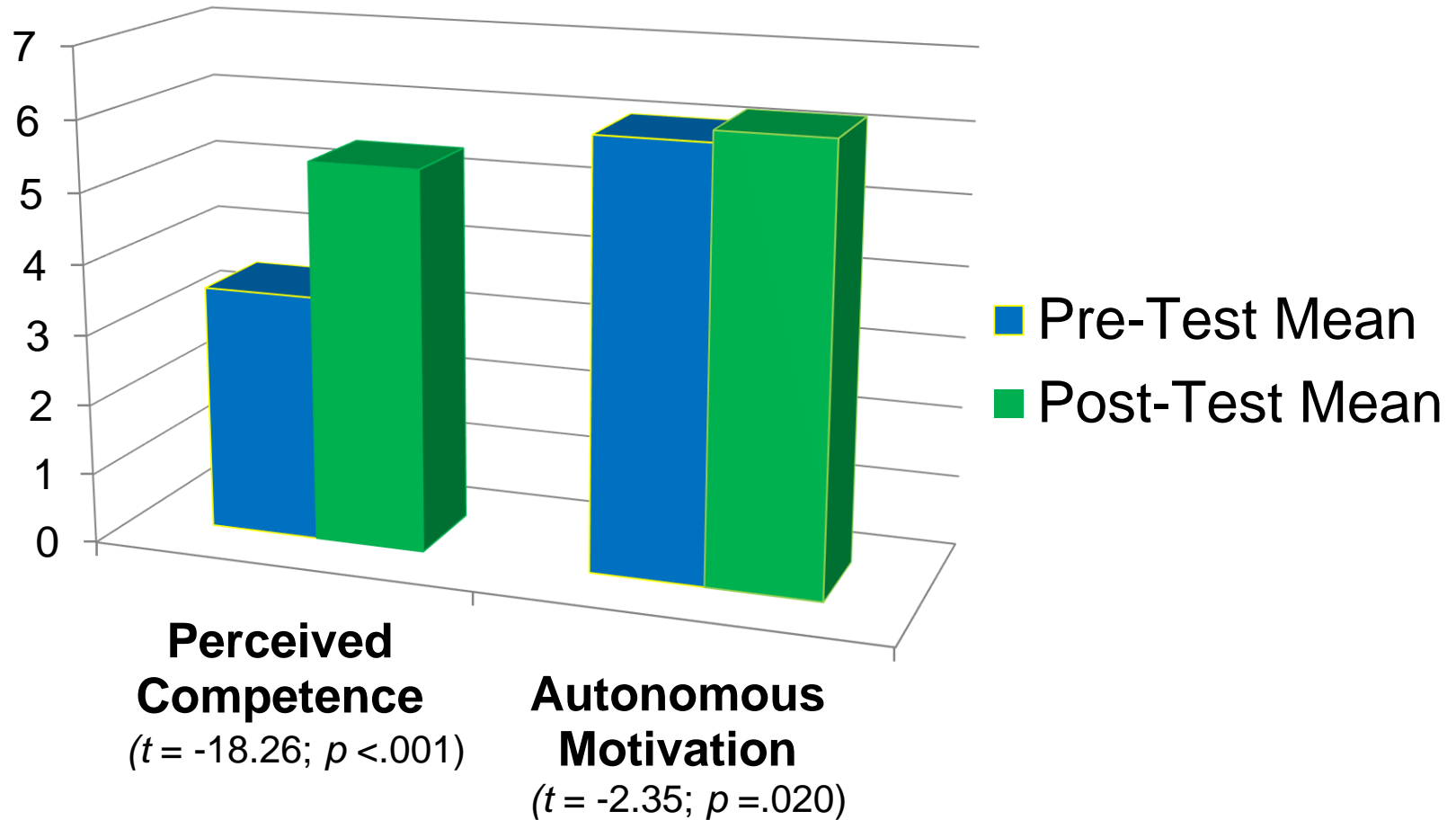
- Purposive sample ($N = 120$)
- Junior BSN students enrolled in a 3-credit hour psychiatric/mental health nursing course
- 91.6% female
- 89.9% White/Caucasian
- Mean age 24.6 years
- 67% traditional & 33% accelerated track
- 87% non-smokers
- 90.8 % with no previous tobacco education

MEASURES & ANALYSES

	4-item PCS	12-item SRQ-L	DDQ	Statistical test
Demographics & Participant Feedback				Frequencies Measures of central tendency
Perceived Competence				Paired sample <i>t</i> -test ($p = .05$)
Autonomous Motivation				Paired sample <i>t</i> -test ($p = .05$)

($N = 119$)

PRETEST & POSTTEST PAIRED SAMPLE *t*-TEST (two-tailed)



FINDINGS

PARTICIPANT FEEDBACK

1. I can apply what I learned in the clinical setting.

$M (SD) = 6.33(0.95)$

2. The material is important information for nursing students.

$M (SD) = 6.60(0.72)$



CONCLUSIONS

- Tobacco content is important and clinically relevant to BSN students
- Findings contribute to current body of knowledge that supports the effectiveness of tobacco education for BSN students
- Providing an SDT-guided intervention can influence perceived competence and autonomous motivation
- Integration of a theory-based, hybrid tobacco education program into required psychiatric/mental health nursing curricula is a promising strategy

IMPLICATIONS FOR NURSING EDUCATION

- The underlying motivational processes of BSN students may influence intentions to engage in a specific behavior
- Access to easy-to-use teaching resources will facilitate integration of tobacco education into existing curricula
- Tobacco education can increase the number of entry-level nurses proficient in cessation counseling
- Patients with mental illness will ultimately benefit as more nurses provide tobacco cessation interventions

LIMITATIONS

- Purposive sample
- No control group
- Lack of data regarding participants' perceptions of the SDT-guided learning environment
- Potential response & social desirability bias
- Lack of behavioral change measures

ACKNOWLEDGMENTS

Joyce Fitzpatrick, PhD, MBA, RN, FAAN

Elizabeth Brooks Ford Professor of Nursing
Frances Bolton Payne School of Nursing, Case Western
University

Deborah Lindell, DNP, RN, CNE

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