

1

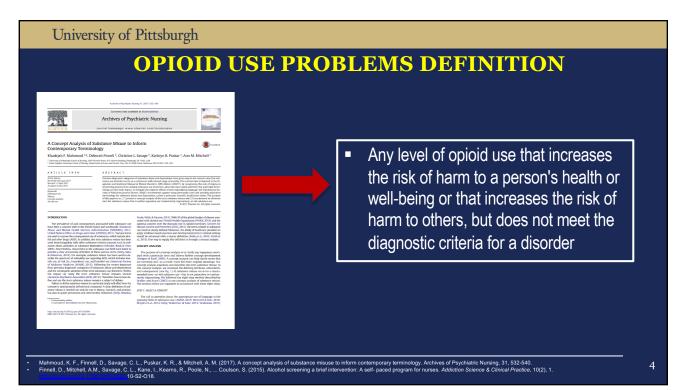
University of Pittsburgh

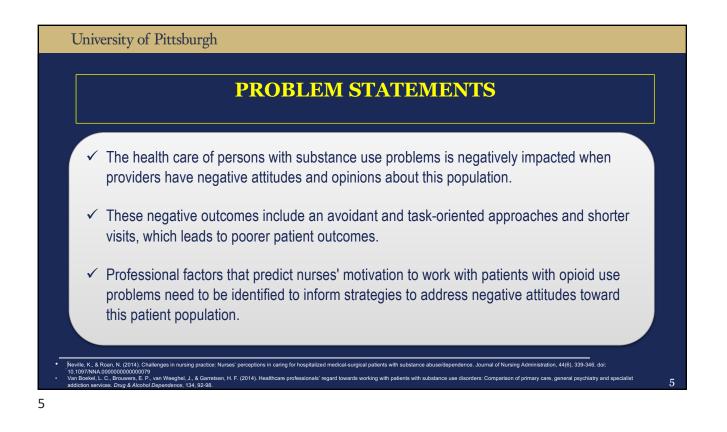
PROJECT TEAM

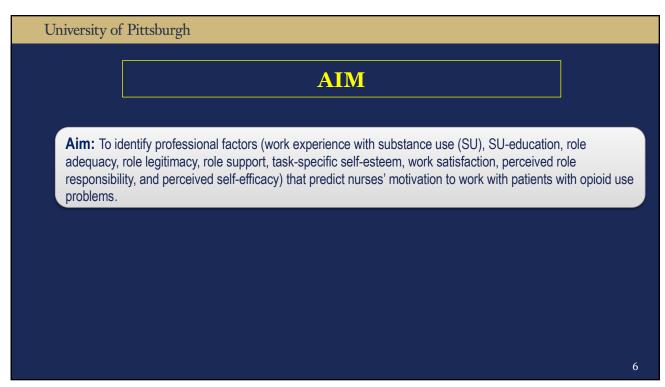
Khadejah F. Mahmoud, PhD, MSN	University of Pittsburgh Graduate School of Public Health*
Susan M. Sereika, PhD	University of Pittsburgh School of Nursing
Deborah S. Finnell	Johns Hopkins School of Nursing
Dawn Lindsay, PhD	Institute for Research, Education, and Training in Addictions
	(IRETA)
Kathy Puskar, DrPH, RN, FAAN	University of Pittsburgh School of Nursing
Ann M. Mitchell, PhD, RN, FIAAN, FAAN	University of Pittsburgh School of Nursing
*Funding for this study was provided by the CRE Grant Program for D University of Pittsburah School of Nursing	loctoral Students from the NCSBN Center for Regulatory Excellence and the Margaret E. Wilkes Scholarship Award,

2









PROFESSIONAL ATTITUDES MEASURES			
	Measures	No. Items	Reliability (opioid)
Substance Use (SU)-Work experience	- Measured as yes "2" or no "1" using an investigator-developed questionnaire	1	-
SU-Education	- Measured as nursing school education, continuing education, in-service education or other sources of education in substance use	5	-
Role Adequacy	- Measured using Role Adequacy subscale in AAPPQ-PC*	7	(.942)
Role Legitimacy	- Measured using Role Legitimacy subscale in AAPPQ-PC*	4	(.725)
Role Support	- Measured using Role Support subscale in AAPPQ-PC*	3	(.920)
Task-Specific Self-Esteem	- Measured using Task-specific Self-esteem subscale in AAPPQ-PC*	6	(.827ª)
Work Satisfaction	- Measured using Work Satisfaction subscale in AAPPQ-PC*	5	(.841ª)
Perceived Role Responsibility	 Measured using an adapted version of the Role Responsibility subscale developed by Saitz and colleagues (2002) 	4	(.891)
Perceived Self-Efficacy	 Measured using an adapted version of Perceived Self-efficacy subscale developed by Saitz and colleagues (2002) 	7	(.930)

	MEASURES		
Motivation			
	Measure	No. Items	Reliability (opioid)
Motivation	- Measured using Motivation subscale in AAPPQ-PC*	5	(.746)
	Measure	No. Items	Reliability
Social Desirability	Иссоние	Ne Kene	Deliekility
Social Desirability	- Measured using Reynold's (1982) 13-item Social Desirability scale	13	.709°
Obolar Desirability		10	.105
° n=232			
° n=232			
° n=232			
°n=232			

University of Pittsburgh

ONLINE NATIONWIDE STUDY

Design: A descriptive correlational design

Sample & Setting: A sample size of 493 nurses were recruited from four national organizations using online survey via Qualtrics:

- ✓ National Association of Nurse Practitioners in Women's Health (NPWH) (2,600 members)
- ✓ Academy of Medical-Surgical Nurses (AMSN) (13,000 members)
- ✓ American Psychiatric Nurses Association (APNA) (12,500 members)
- ✓ International Nurses Society on Addictions (IntNSA) (700 members)

Duration: The study was conducted over a period of six months and occurred between November 2018 and May 2019

Targeted Population: General medical-surgical nurses, psychiatric mental-health nurses, and addictiontrained nurses

9

University of Pittsburgh



• Age: Mean of 48.47 (SD= 13.09)

Note. Little's Missing completely at Random test was performed and was insig

- Years of experience in nursing: Median of 17.00 (IQR=22.50)
- Gender: The sample was predominately female (n=460, 93.3%)
- Race: The sample was predominately Caucasian (n=410, 83.2%)
- Primary work setting: Approximately one-third of the participants reported working in hospital-based settings (n=176, 35.7%)

ned to compare between participants with mission data and participants with complete data in relation to their age

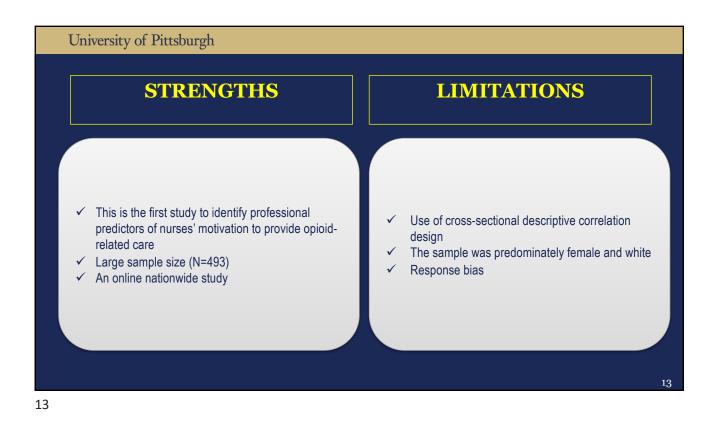
- Highest degree obtained in nursing: More than 85% of nurses had at-least a 4-year college degree in nursing (n=426, 86.4%)
- Specialization: More than half of the nurses worked in general medical-surgical (n=264, 53.5%).

	GEOGRAPHICAL DISTRIBUTION		
Nationwide Study (N=482)			
Regions	States Included	n (%)	
Region 1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont	62 (12.58%)	
Region 2	New Jersey, New York, Puerto Rico, and the Virgin Islands	36 (7.30%)	
Region 3	Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia	83 (16.84%)	
Region 4	Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee	88 (17.85%)	
Region 5	Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin	71 (14.40%)	
Region 6	Arkansas, Louisiana, New Mexico, Oklahoma, and Texas	26 (5.27%)	
Region 7	Iowa, Kansas, Missouri, and Nebraska	5 (1.01%)	
Region 8	Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming	36 (7.30%)	
Region 9	Arizona, California, Hawaii, Nevada, American Samoa, Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Guam, Marshall Islands, and Republic of Palau	48 (9.74%)	
Region 10	Alaska, Idaho, Oregon, and Washington	27 (5.48%)	

11

University of Pittsburgh						
OPIOID-REL A	TED MOTI	VATION PR	EDICTION M	IODEL		
Professional Predictors of Opioid Use-Related Motivation (n=460)						
Predictors	Adjusted (Main Predictors)		Adjusted (Parsimonious Model)			
	b (SE)	p-value	b (SE)	p-value		
SU-Work Experience	0.674 (.298)	.024	0.636 (.268)	.018		
SU-Education						
School of Nursing Education	-0.778 (.299)	.010	-0.502 (.259)	.053		
Continuing Education	0.624 (.363)	.086	0.840 (.250)	.001		
Role Adequacy	0.047 (.033)	.149	0.003 (.027)	.901		
Task-Specific Self-Esteem	0.221 (.045)	<.001	0.102 (.049)	.039		
Work Satisfaction	0.330 (.046)	<.001	0.281 (.045)	<.001		
Role-Responsibility	0.263 (.157)	.094	0.231 (.120)	.056		

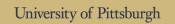
Note. b= Unstandardized regression coefficient; SE= Standard error; SU= Substance use





FUTURE IMPLICATIONS

- Identify additional educational and clinical practice gaps that may inform interventions aiming to enhance screening for opioid use
- Promote the transfer of opioid use-acquired knowledge and skills into clinical practice, and foster implementation of evidence-based interventions



THANK YOU... ANY QUESTIONS?