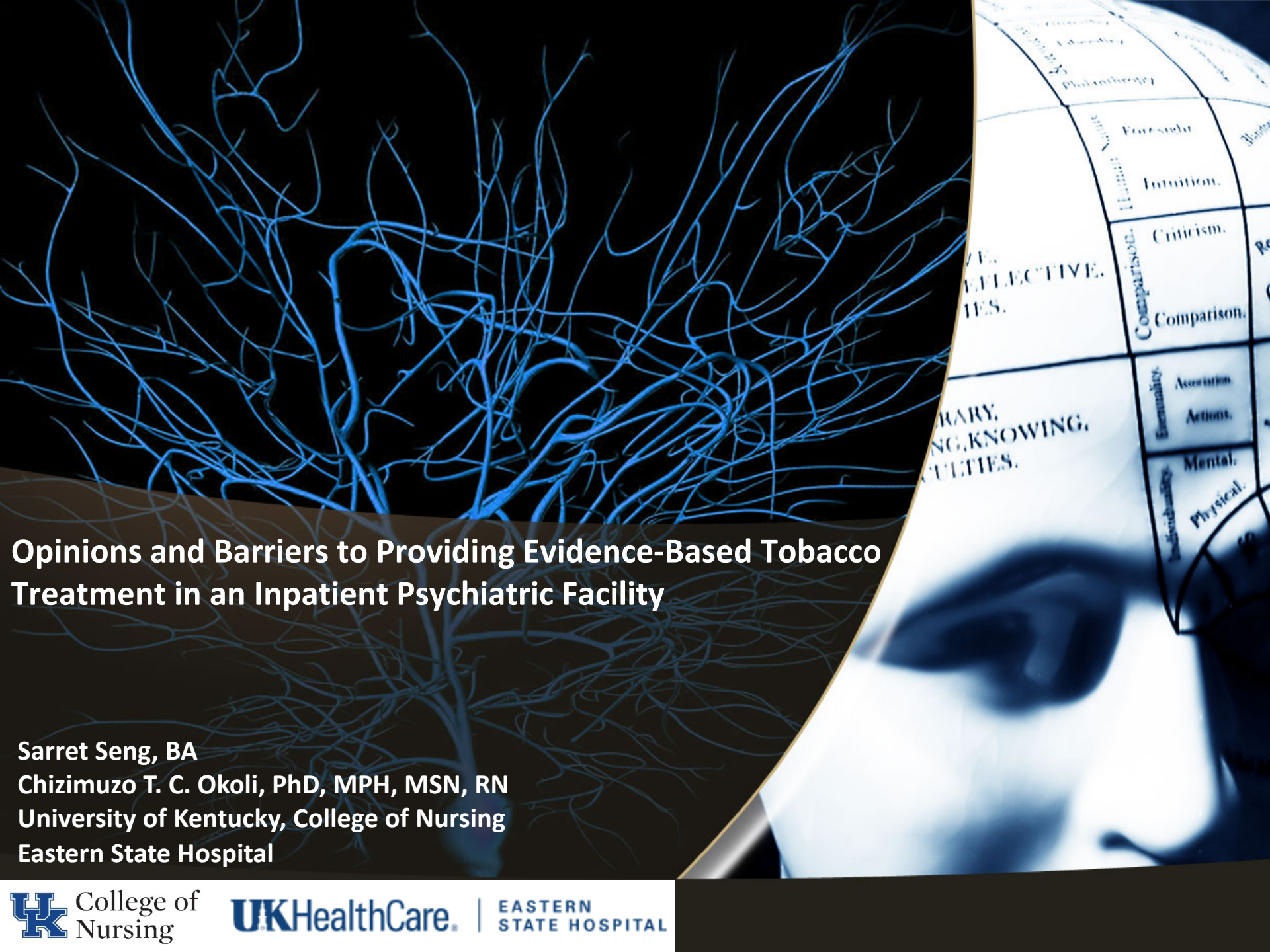




Opinions and Barriers to Providing Evidence-Based Tobacco Treatment in an Inpatient Psychiatric Facility

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Background

- Tobacco use is the leading cause of preventable death in the United States
- People with mental illness (MI) have higher rates of tobacco-use than those without MI
 - Disproportionate morbidity and mortality



Background

- Mental health clinicians (MHCs) may not always deliver tobacco treatment (TT)
- Specific barriers include:
 - Provider-
 - Patient-
 - System-



Study Aims

- Purpose: examine opinions, self-efficacy, barriers, and needs of MHCs in using evidence-based treatment
- 5 A's of Tobacco Treatment
 - Ask, Advise, Assess, Assist, Arrange
- Differences by job role



Methods

- Survey of a convenience sample of 205 staff members at a state psychiatric facility
- Data collection March 1-June 30, 2016
- Data Analyses
 - Chi-square analyses by job role

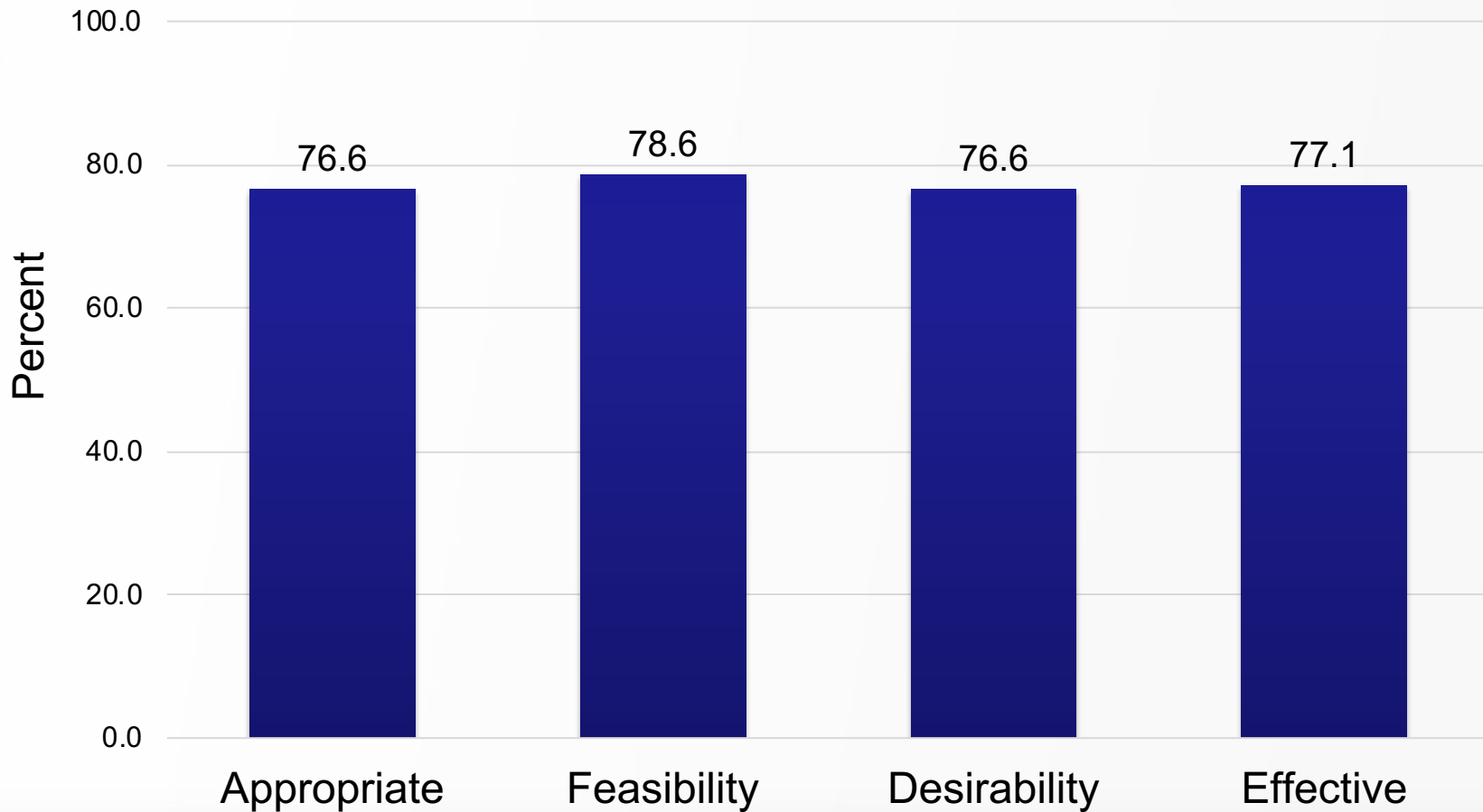
Measures		
Measurement & Description		Criteria
Demographics	Gender, education, marital status, ever used tobacco, ever had TT training, discipline, age, and work tenure	Percentage of sample
Opinions	MHC perceptions on the appropriateness, feasibility, desirability, and effectiveness of 5A's	Summary scores of $\geq 80\%$ indicated favorable opinion
Self-Efficacy	MHC confidence in implementing aspects of 5A's	Ratings of ≥ 1 (on a scale of 0-10) indicated self-efficacy
Barriers	MHC perceptions on provider-, patient-, and system-specific barriers to providing TT	Summary scores of $\geq 80\%$ = degree of perceived barrier
Needs	MHC needs for training and resources in providing TT	Summary scores of $\geq 80\%$ =degree of perceived need

Demographics

- Female (80.0%)
- White (76.1%)
- Age = 35.7
- Completed college (70.7%)
- Single/never married (47.8%)
- Mental Health Associates/Nurse Aides (43.9%)
- Few had tobacco treatment training (6.3%)
- Had used tobacco products (46.3%)

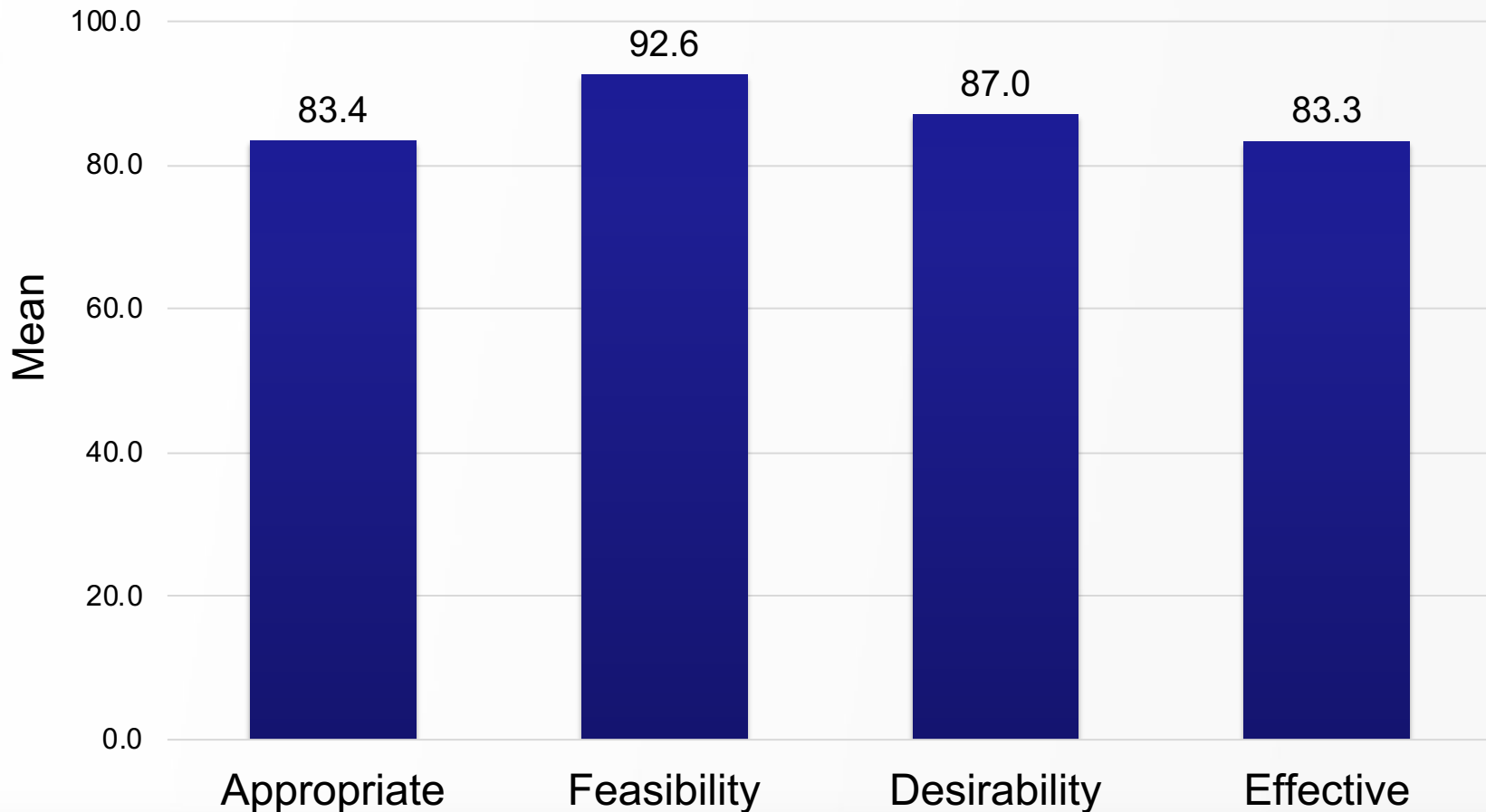
Opinions

Opinions toward providing evidence-based tobacco treatment



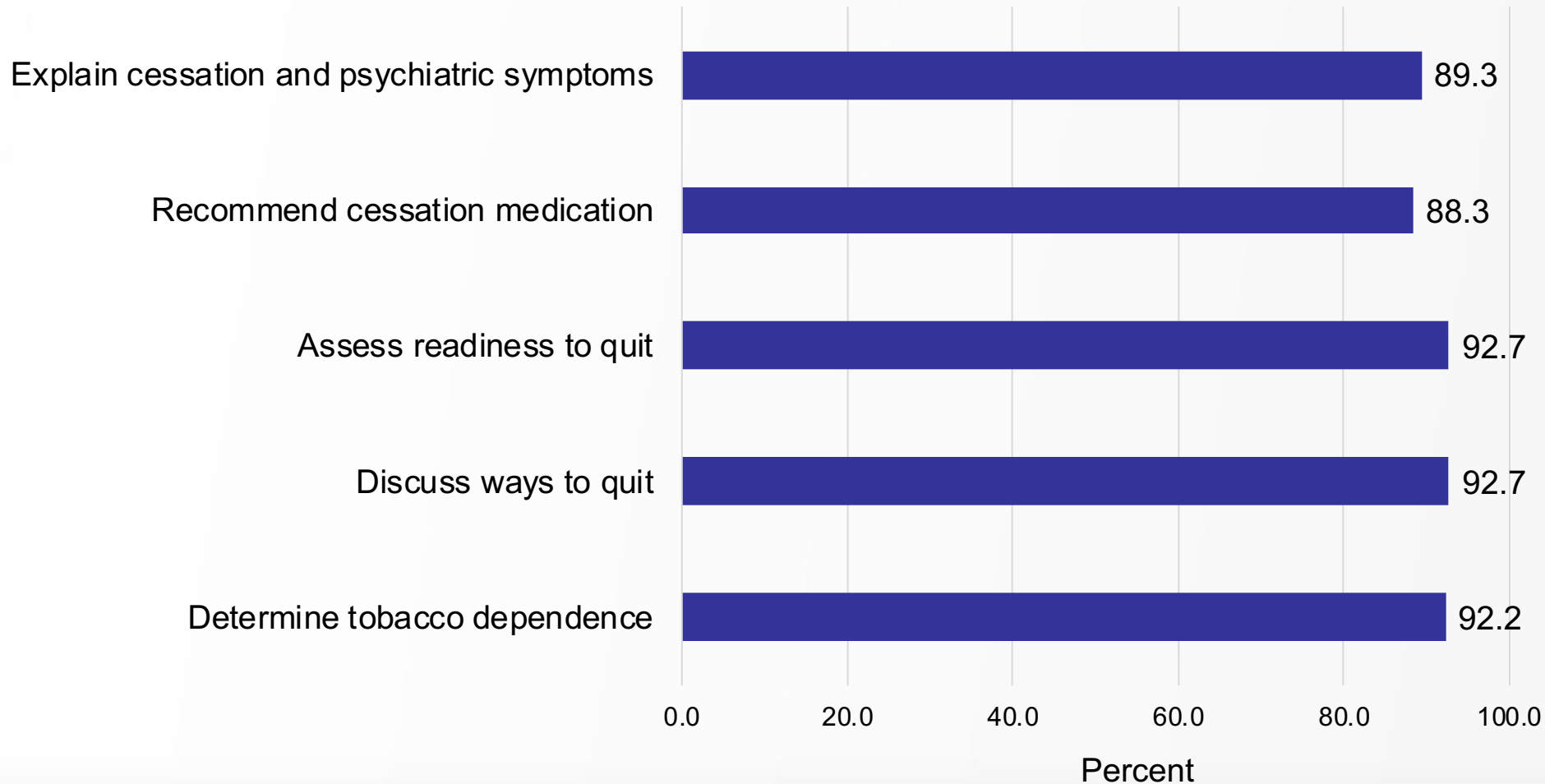
Nursing Specific Opinions

Nurses' Opinions toward providing evidence-based tobacco treatment



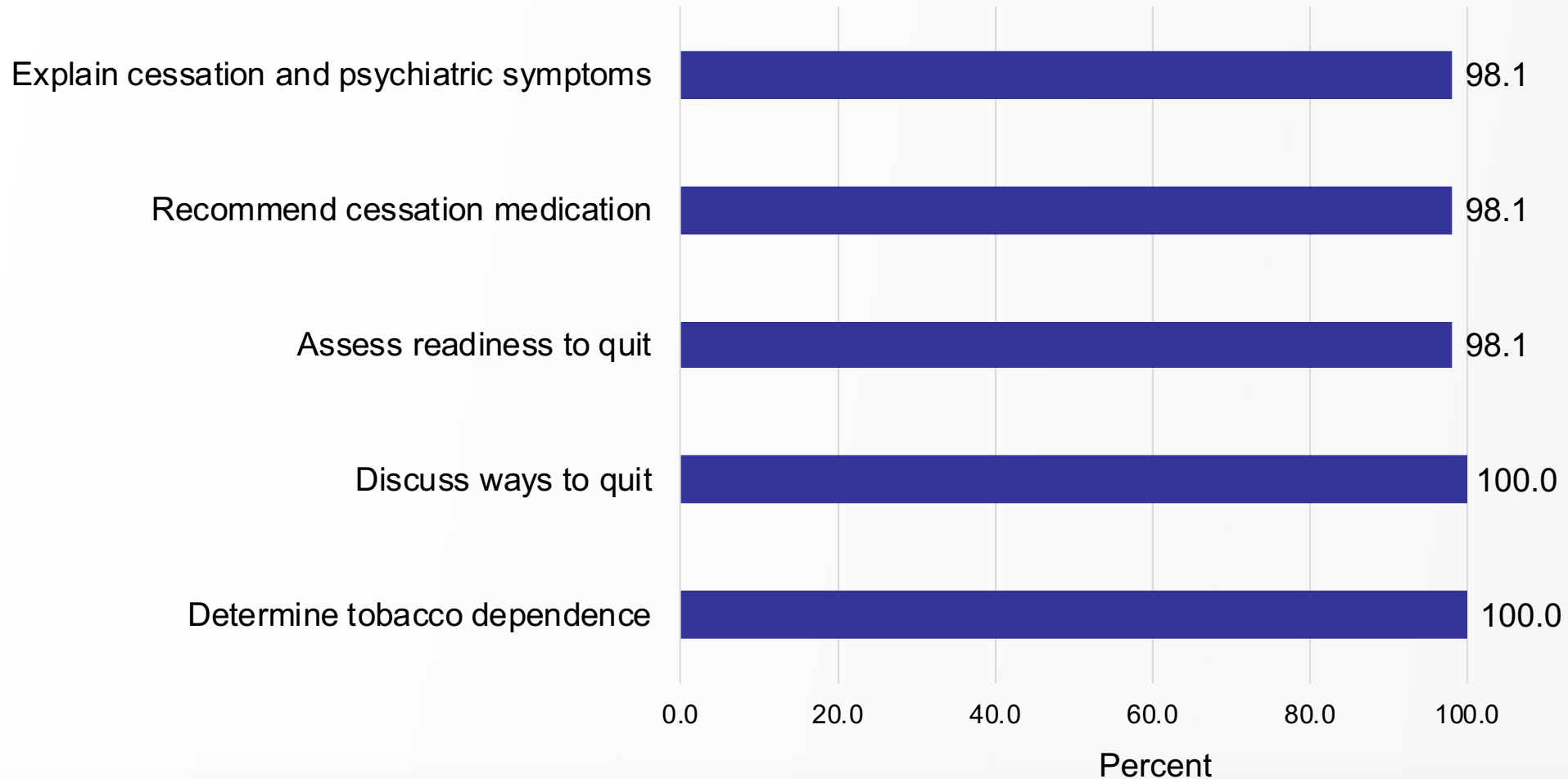
Self-Efficacy

Tobacco Treatment Self Efficacy



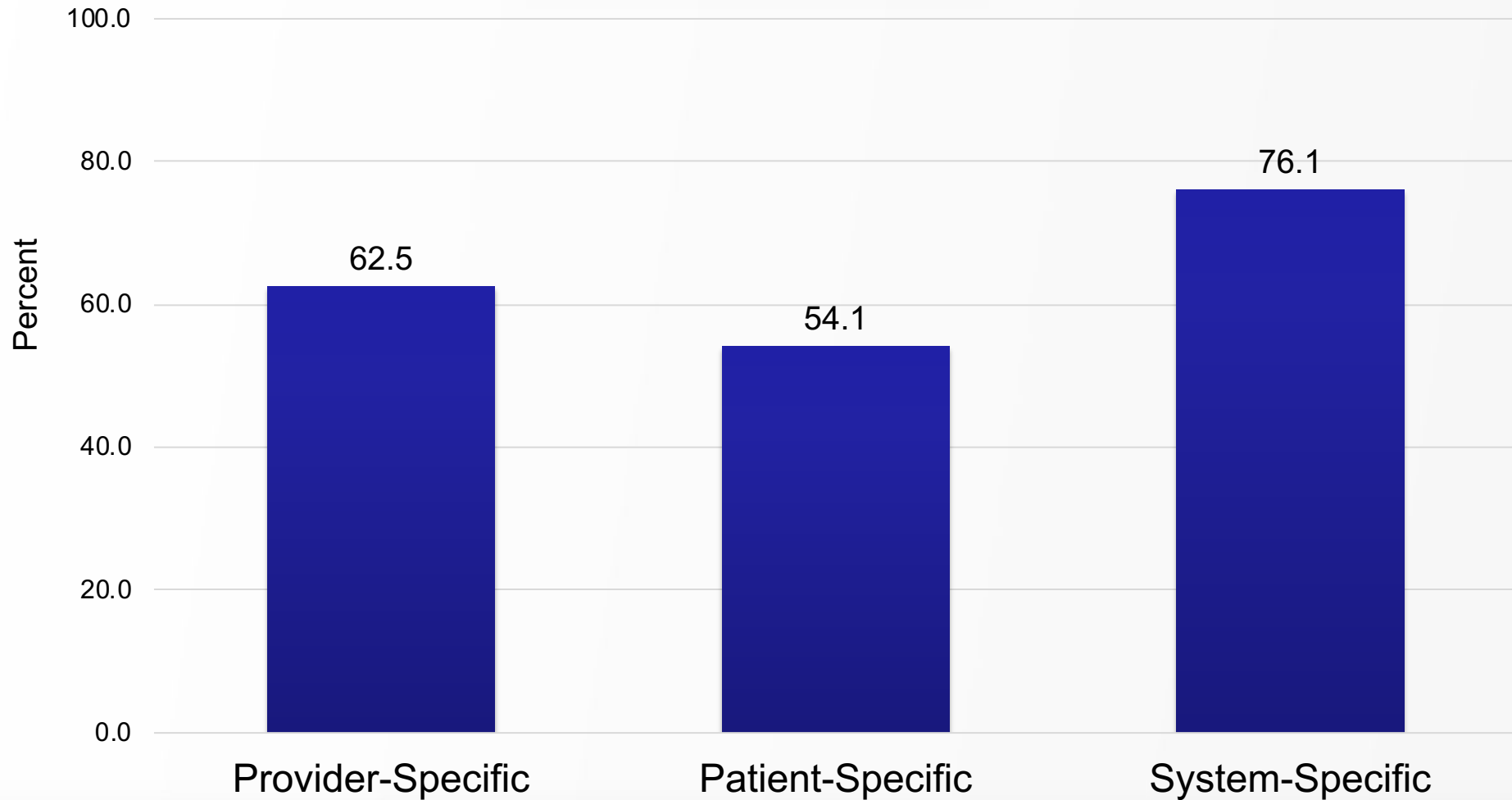
Nursing Specific Self-Efficacy

Tobacco Treatment Self Efficacy



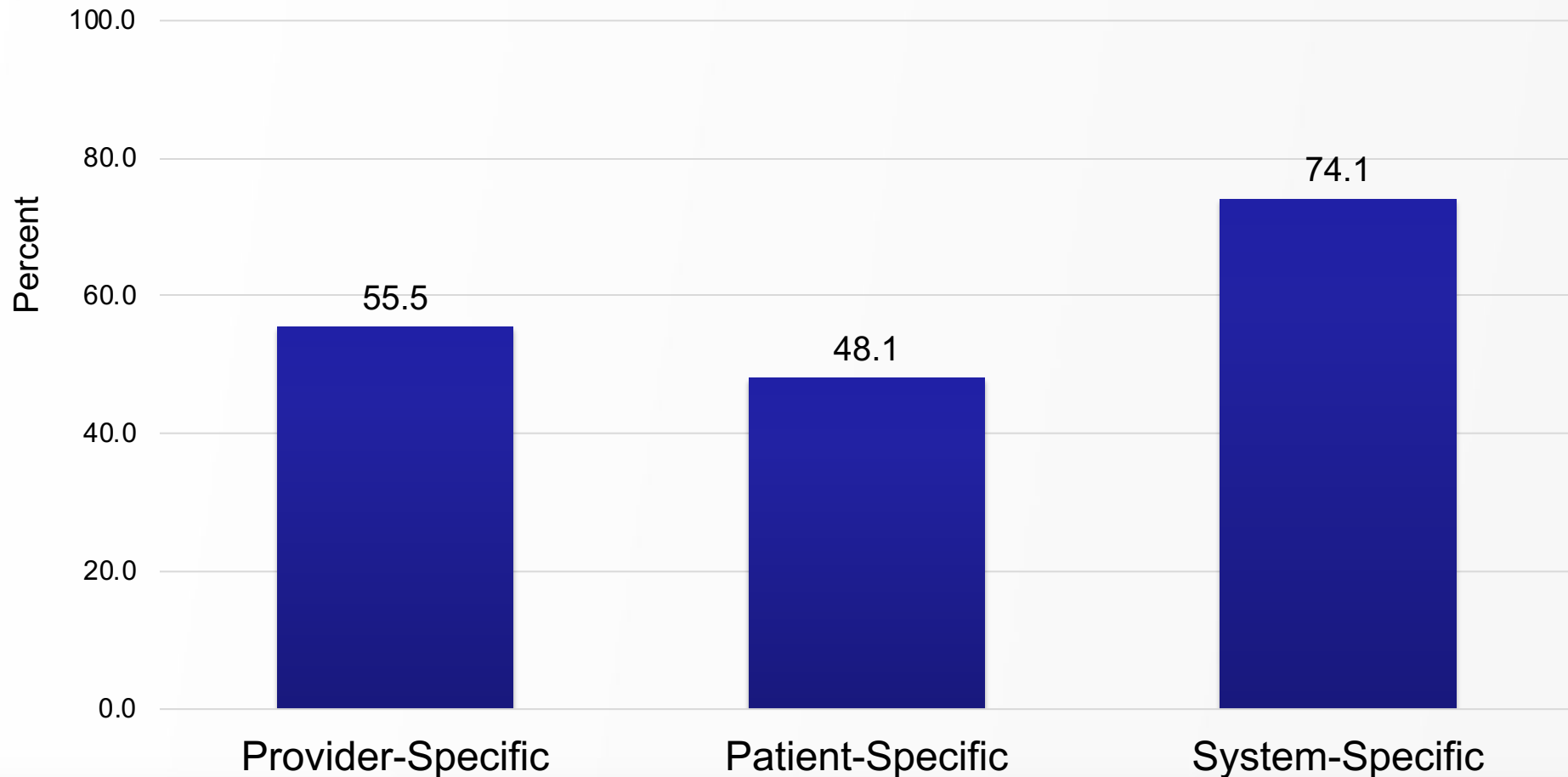
Perceived Barriers

Perceived Barriers for providing tobacco treatment



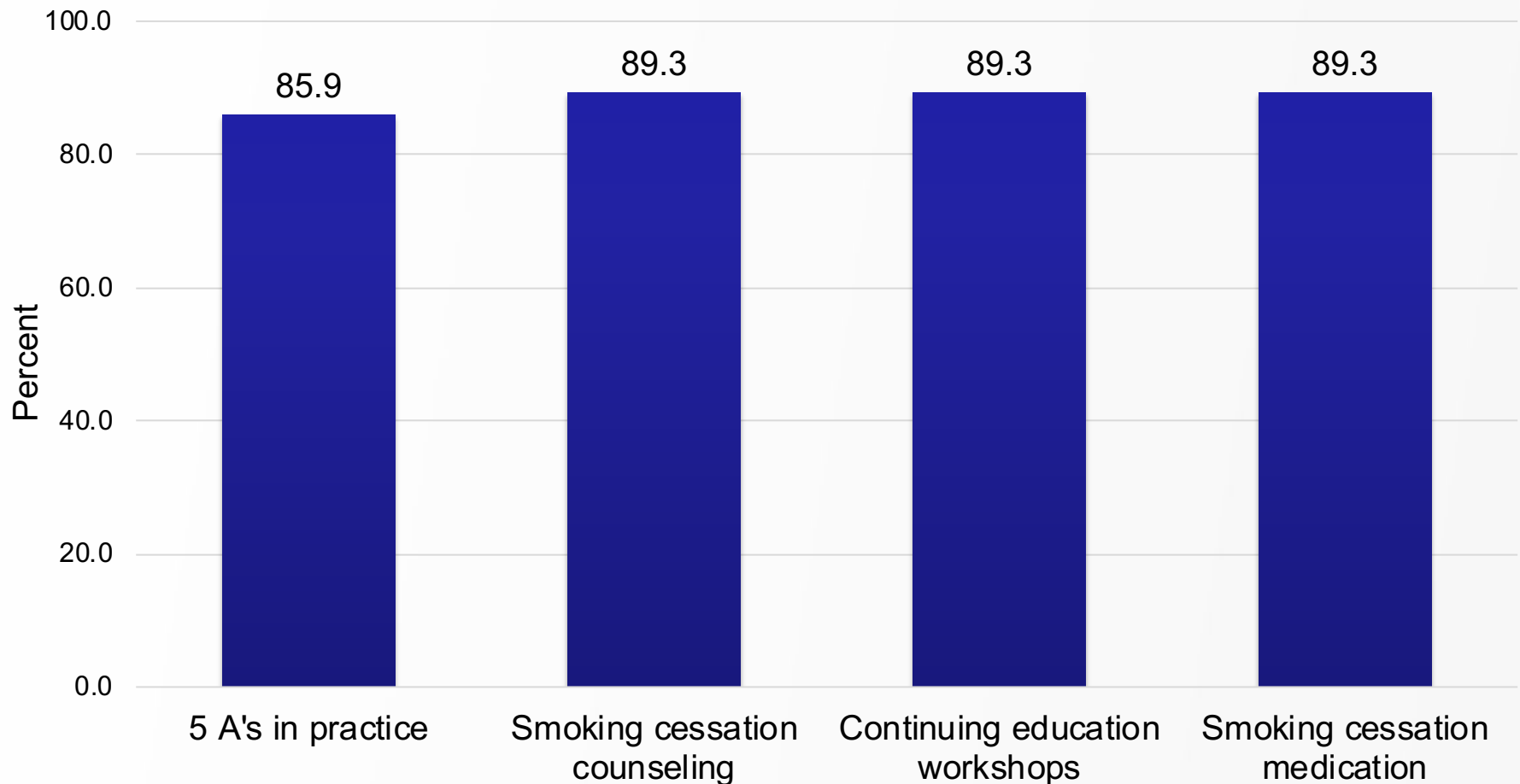
Nursing Specific Perceived Barriers

Nurses' Perceived Barriers for providing tobacco treatment



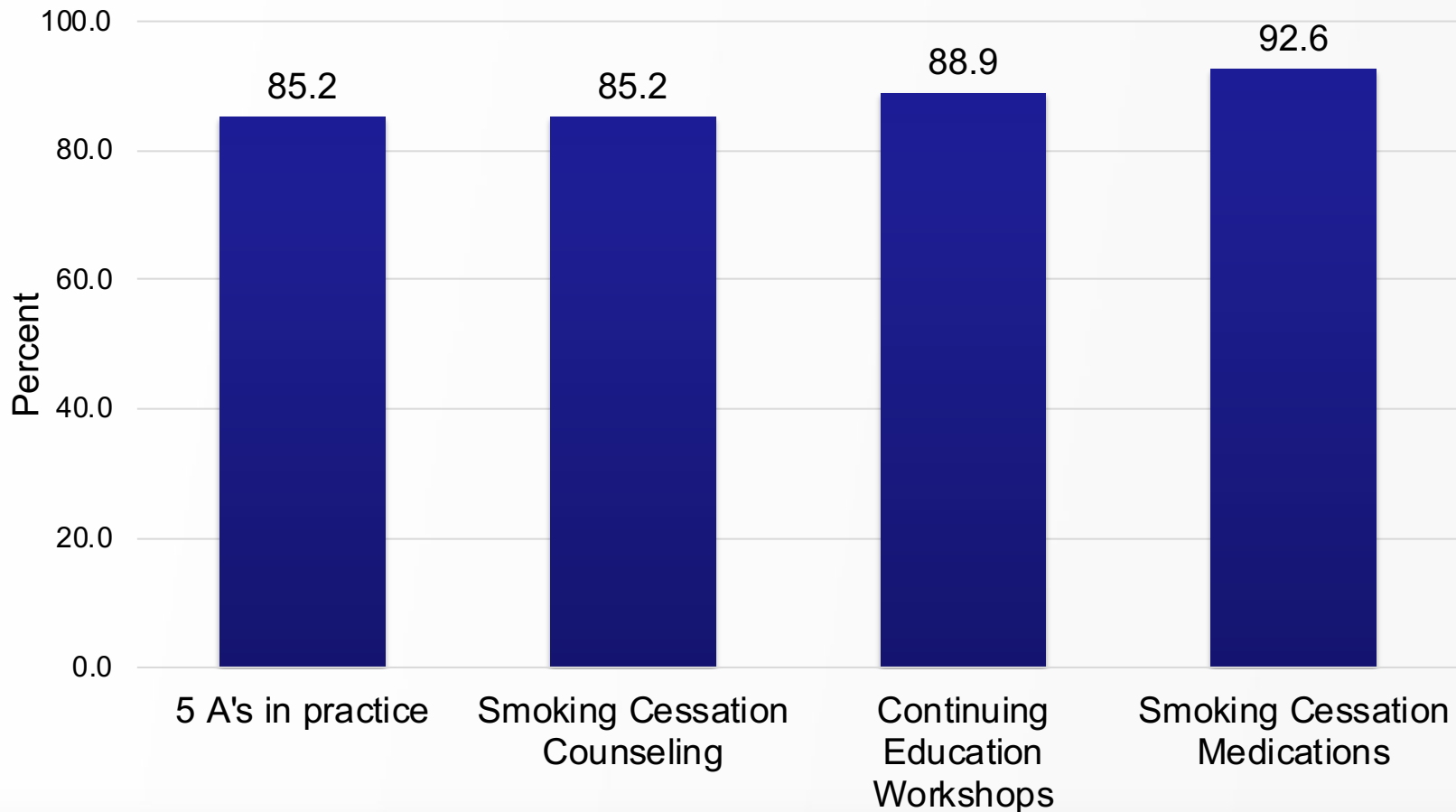
Perception of Needs

Perception of Training Needs and Resources



Nursing Specific Perception of Needs

Nurses' Perception of Training Needs and Resources



Discussion

- Collective endorsement for 5 A's
- High self-efficacy and perceived needs
- Training implications
- Barriers



Limitations

- Cross sectional
- Response rates – 36.6% (medical staff) to 86.4% (social work staff)
- Participants from tobacco-free facility
- State-specific smoking prevalence



Thank you!

Questions/Comments?

	Total	Medical//APR N// Pharmacy	Nursing	Social Work/ Psychology	MHA/SRNA	Therapist	Other
	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)
APPROPRIATE							
Ask*	3.13 (0.97)	3.76 (0.75)	3.37 (0.90)	3.29 (0.85)	2.92 (0.97)	3.20 (0.92)	2.46 (1.13)
Advise*	2.85 (1.08)	3.71 (0.77)	3.02 (1.11)	2.57 (0.93)	2.71 (1.06)	3.10 (0.99)	2.23 (1.01)
Assess*	2.73 (1.10)	3.35 (1.17)	3.07 (0.97)	2.81 (0.98)	2.51 (1.11)	2.40 (0.97)	2.08 (1.12)
Assist*	2.68 (1.15)	3.47 (1.01)	3.13 (0.97)	2.43 (1.12)	2.43 (1.13)	2.20 (1.23)	2.23 (1.24)
Arrange	2.68 (1.10)	3.24 (0.97)	2.81 (1.12)	2.52 (0.98)	2.61 (1.10)	2.70 (1.06)	2.15 (1.14)
Total Score*	14.06 (4.64)	17.53 (3.36)	15.41 (4.41)	13.62 (4.02)	13.19 (4.61)	13.60 (4.40)	11.15 (4.98)
FEASIBLE							
Ask	3.11 (0.96)	3.29 (1.21)	3.33 (0.82)	3.10 (1.04)	2.98 (0.91)	3.40 (0.70)	2.62 (1.26)
Advise*	2.94 (0.96)	3.29 (1.21)	3.24 (0.78)	2.76 (1.09)	2.78 (0.90)	3.20 (0.63)	2.46 (1.33)
Assess*	2.76 (1.06)	2.88 (1.36)	3.13 (0.85)	2.71 (1.01)	2.48 (1.03)	2.20 (1.03)	2.15 (1.07)
Assist*	2.62 (1.06)	3.35 (0.93)	3.06 (0.88)	2.24 (1.22)	2.48 (1.01)	2.00 (1.05)	1.92 (0.95)
Arrange	2.55 (1.07)	2.71 (1.21)	2.80 (1.00)	2.29 (1.23)	2.51 (1.04)	2.40 (1.08)	2.08 (1.04)
Total Score*	13.89 (4.34)	15.53 (4.96)	15.56 (3.51)	13.10 (4.89)	13.22 (4.18)	13.20 (3.32)	11.23 (5.18)
DESIRABLE							
Ask*	2.77 (1.03)	3.29 (1.05)	3.11 (0.97)	2.81 (1.08)	2.58 (1.02)	2.60 (0.70)	2.08 (0.95)
Advise*	2.66 (1.04)	3.18 (1.13)	2.98 (0.96)	2.19 (1.03)	2.57 (1.02)	2.70 (0.95)	2.08 (0.86)
Assess*	2.57 (1.05)	3.12 (1.11)	2.98 (0.92)	2.33 (1.16)	2.46 (0.99)	1.90 (1.10)	1.85 (0.90)
Assist*	2.56 (1.08)	3.35 (1.00)	2.94 (0.98)	2.19 (1.17)	2.41 (1.00)	2.00 (0.94)	1.92 (1.04)
Arrange*	2.57 (1.03)	3.12 (0.99)	2.80 (0.98)	2.19 (1.12)	2.52 (0.99)	2.20 (1.03)	2.15 (1.07)
Total Score*	13.13 (4.54)	16.06 (4.67)	14.81 (4.20)	11.71 (4.53)	12.53 (4.30)	11.40 (3.95)	10.08 (4.17)
EFFECTIVE							
Ask	2.86 (1.02)	3.00 (1.12)	3.02 (.96)	2.81 (1.12)	2.81 (1.02)	2.80 (.92)	2.54 (1.13)
Advise*	2.54 (1.00)	2.47 (1.18)	2.74 (.87)	2.00 (.95)	2.62 (1.00)	2.50 (1.08)	2.15 (.99)
Assess	2.61 (1.03)	2.71 (1.11)	2.81 (1.01)	2.43 (.87)	2.59 (1.03)	2.30 (1.06)	2.31 (1.18)
Assist*	2.57(1.04)	2.76 (.97)	2.83 (.95)	2.05 (.87)	2.57 (1.05)	2.40 (1.17)	2.15 (1.28)
Arrange	2.50 (1.05)	2.59 (1.00)	2.56 (1.06)	2.05 (.87)	2.58 (1.04)	2.50 (1.08)	2.31 (1.32)
Total Score	13.08 (4.40)	13.53 (4.67)	13.96 (3.98)	11.33 (3.84)	13.17 (4.43)	12.50 (4.93)	11.46 (5.49)

	Total	Medical/AP RN/ Pharmacy	Nursing	Social Work/ Psychology	MHA/SR NA	Therapist	Other
	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)
To determine degree of client's tobacco dependence*	5.70 (3.0)	7.59 (2.35)	7.02 (2.42)	5.48 (3.27)	5.11 (3.16)	4.00 (2.26)	3.46 (3.28)
To discuss ways for clients to reduce or quit smoking/ tobacco use*	5.70 (2.15)	7.59 (2.15)	4.76 (3.27)	5.23 (2.78)	5.23 (2.78)	4.90 (1.97)	3.15 (2.34)
To assess client's readiness to quit or reduce smoking/ tobacco use*	5.61 (2.97)	7.18 (3.15)	6.70 (2.52)	5.57 (3.08)	5.12 (2.95)	4.40 (2.27)	3.46 (2.76)
To recommend NRT and other tobacco cessation medication*	5.72 (3.29)	8.71 (1.72)	7.30 (2.33)	3.71 (3.05)	5.32 (3.30)	3.90 (3.28)	2.62 (2.70)
To explain the effect of tobacco cessation on psychiatric symptoms*	5.21 (3.11)	7.41 (2.55)	6.56 (2.49)	4.10 (2.77)	4.71 (3.18)	4.30 (3.34)	2.69 (2.25)
Self-efficacy total score*	27.94 (13.54)	38.47 (9.46)	34.57 (10.28)	23.62 (12.31)	25.50 (13.69)	21.50 (11.48)	15.38 (12.36)

	Total	Medical/APR N/Pharmacy	Nursing	Social Work/ Psychology	MHA/SRNA	Therapist	Other
	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)
Provider Specific Barriers							
Clinical staff cannot influence tobacco use of patients	2.23 (.91)	2.00 (1.00)	2.31 (.95)	2.38 (.74)	2.21 (.92)	2.20 (.79)	2.08 (1.04)
Brief tobacco treatment interventions are ineffective	2.44 (.99)	2.24 (.90)	2.43 (1.02)	2.62 (.97)	2.43 (1.02)	2.60 (.84)	2.46 (1.05)
Existing cessation programs are ineffective	2.32 (.90)	2.35 (.86)	2.50 (.95)	2.14 (.73)	2.26 (.92)	2.30 (.82)	2.23 (1.01)
NRT should be provided to patients	3.46 (.86)	3.65 (.79)	3.57 (.74)	3.38 (.81)	3.36 (.94)	3.80 (.42)	3.38 (1.12)
Not part of job role*	2.03 (1.02)	1.41 (.87)	1.76 (.91)	2.29 (1.01)	2.14 (1.00)	2.60 (.84)	2.38 (1.33)
Not the role of clinicians*	1.78 (.87)	1.18 (.53)	1.67 (.78)	2.05 (.92)	1.84 (.92)	2.10 (.74)	1.85 (.90)
Advising will negatively affect relationship with clinician	2.20 (.90)	1.94 (1.14)	2.22 (.93)	2.52 (.81)	2.14 (.88)	2.20 (.63)	2.31 (.86)
Clinicians are willing but poorly equipped	2.72 (.91)	2.65 (1.06)	2.74 (.94)	2.90 (.77)	2.64 (.94)	2.90 (.57)	2.77 (.83)
Patient need to be motivated	3.13 (.84)	3.24 (.90)	3.02 (.90)	3.33 (.58)	3.08 (.85)	3.60 (.52)	3.08 (.86)
No confidence in personal skills*	2.38 (1.00)	1.82 (.95)	2.17 (1.04)	2.71 (1.01)	2.48 (.92)	2.80 (1.03)	2.46 (.88)
Do not know where to refer after advising and assisting	2.76 (1.07)	2.82 (1.24)	2.57 (1.09)	3.05 (1.16)	2.78 (1.04)	3.30 (.68)	2.46 (.97)
Subscale score	27.5 (5.87)	25.29 (6.37)	26.96 (5.48)	29.38 (3.73)	27.37 (6.32)	30.40 (3.06)	27.54 (7.20)
Patient Specific Barriers							
Advising will make patients guilty	1.93(.80)	1.88 (1.05)	1.87 (.85)	1.90 (.77)	1.93 (.78)	1.90 (.57)	2.23 (.73)
Continuously asking will deter patient honesty	2.33 (.86)	2.00 (.87)	2.28 (.92)	2.43 (.68)	2.38 (.88)	2.30 (.82)	2.46 (.66)
Patients have stressors that tobacco use can relieve	2.69 (.95)	2.47 (1.13)	2.70 (.92)	2.81 (.81)	2.71 (.96)	2.70 (.95)	2.62 (1.04)
Patients do not expect advise	2.22 (.86)	1.94 (.90)	2.15 (.96)	2.57 (.75)	2.23 (.81)	2.20 (.79)	2.31 (.95)
Subscale score	9.17 (2.50)	8.29 (2.78)	9.00 (2.64)	9.71 (1.59)	9.26 (2.57)	9.10 (1.97)	9.62 (2.57)
System Specific Barriers							
Lack of smoking cessation materials	2.72 (1.00)	2.24 (.97)	2.78 (1.08)	2.90 (.70)	2.70 (1.04)	2.70 (.82)	2.92 (.86)
Lack of training for clinician and staff	2.77 (1.01)	2.35 (1.12)	2.80 (1.02)	3.00 (.78)	2.72 (1.05)	3.10 (.88)	2.85 (.90)
Need of written protocols for clinician responsibilities	2.75 (.97)	2.65 (1.00)	2.59 (1.13)	2.76 (.83)	2.81 (.95)	3.30 (.48)	2.69 (.86)
Limited time to sufficiently engage	2.52 (1.05)	2.47 (1.07)	2.57 (1.11)	3.05 (1.07)	2.38 (1.02)	2.40 (1.00)	2.54 (.78)
Needs to be reimbursement for intervention	2.60 (1.00)	2.94 (1.00)	2.44 (1.09)	2.90 (1.04)	2.56 (.95)	2.60 (1.00)	2.62 (.87)
Lack of access to NRT	2.38 (1.03)	2.24 (1.25)	2.30 (.96)	2.24 (.89)	2.48 (1.05)	2.50 (1.08)	2.31 (1.11)
Subscale score	15.73 (4.43)	14.88(4.95)	15.48 (2.57)	16.86 (2.57)	15.64 (4.55)	16.60 (3.89)	15.92 (3.82)

Perception of Training needs

