Increasing Knowledge of Opioid Use Disorder (OUD) and Medication-Assisted Therapy (MAT) for Advance Practice Registered Nurses in Georgia

Angela Queen, DNP, APRN-BC, FNP, MSN, Jennifer Goldsberry, DNP, MSN, FNP-BC, APRN, CNE,

Gail Godwin, PhD, PMHNP-BC, CNE, & Sallie Coke, PhD, APRN, C-PNP, C-FNP, PMHS Georgia College & State University

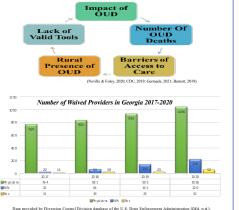
Purpose

- ☐ To increase the knowledge of OUD treatment for APRNs in Georgia
- ☐ To increase the interest of APRNs in treating OUD

Background & Significance

- The U.S. has 4% of the world's population, but 27% of the world's drug overdose mortality rates
- Overdoses have increased by 120% since 2010
- Claims 128 lives daily
- Costs \$2 trillion dollars from 2015-2018
- 10 million admit to misuse of opioids
- U.S. consumes 6x the number of opioids

Summary of Evidence



Clinical Questions/Study Aims

- Will an online OUD and MAT training module increase APRNs' knowledge of OUD and Medication-Assisted Treatment (MAT)?
- Will an online OUD and MAT training module increase the desire of APRNs to treat OUD?
- Will an online OUD and MAT training module increase the desire of APRNs practicing in rural areas to treat
- Will an online OUD and MAT training module increase the desire of board-certified primary care/family practice nurse practitioners to treat OUD?
- Will APRNs DEA-waiver status be correlated to years of professional experience with OUD?
- Are APRNs with personal or professional experience with OUD more likely to be interested in treating OUD?

Theoretical Framework

Hildegard Peplau's Interpersonal Relations Theory

Three phrases:

-Orientation-The APRN establishes a trusting relationship with the patient based on the patient's needs and the ability of the APRN to meet those needs

-Working-The proficiently trained APRN encourages the patient to be an active participant in the plan of care

-Termination-The trained APRN leads the patient through the plan of care and helps establish new normalcy and a better self-management



Methods/Materials/Study Design

Study Design: Descriptive, Pre/Posttest design Instruments: Researcher-developed Demographic survey, CDCdeveloped online training module for OUD, CDC-developed pretest and posttest for OUD, Researcher-developed Completion Survey Data Analysis: Dependent sample paired t-tests, Independent t-tests, Pearson's correlation, and Chi-square analysis

Results



- \triangleright Participants showed an increase in knowledge from pretest (M = 187.1, SD = 35.6) to posttest scores (M = 215.0, SD = 2.07) t (75) = 5.78, p < .001 after completing the training module.
- > Participants' interest in treating OUD did show an increase from pre-module (M = 3.5, SD = 1.9) to post-module (M = 4.5, SD = 1.8) t (75) = 3.33, p = .001 after completing the training module.
- > There was no statistically significant difference between pre-module interest and post-module interest in rural APRNs, but there was statistically significant premodule interest (M = 3.71, SD = 1.92) and post-module interest (M = 4.47, SD = 1.92) 1.85) t(75) = 2.09, p < .05 for Family Practice NPs.
- \triangleright There was a significant correlation (rs = .341, p = .001) between years of professional experience with OUD and DEA-waiver status. Participants who reported having more years of professional practice with OUD were more likely to be DEA waivered.
- > Those with experience, 17.9% had a DEA waiver and 41% did not. Of those without experience, only 2.1% had a DEA waiver while 59% did not.
- > There was no statistically significant difference in post-module DEA waiver interest between those with experience with OUD and those without experience.

Implications for Practice







auses of lower post-module interest in APRNs in rural practice

Reasons for lower post-module interest practicing APRNs who have personal or professional experience with OUD

Recommendations for Future Research

Prevalence of stigma, bias, or prejudice with OUD in APRNs in Georgia

Effects of restrictive practice versus full practice regulations on the interest of APRNs in OUD management

References

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