Lehigh Valley Health Network LVHN Scholarly Works

Research Scholars Poster Presentation

Emergency Healthcare Provider Wait Time before Patient Discharge after Opioid Administration: A Gender Analysis

Angeline Lonardi DeSales University

Kenneth D. Katz MD Lehigh Valley Health Network, Kenneth D.Katz@lvhn.org

Anita Kurt PhD, RN Lehigh Valley Health Network, Anita.Kurt@lvhn.org

Follow this and additional works at: http://scholarlyworks.lvhn.org/research-scholars-posters

Published In/Presented At

Lonardi, A., Katz, K., & Kurt, A. (2016, July, 29) *Emergency Healthcare Provider Wait Time before Patient Discharge after Opioid Administration: A Gender Analysis.* Poster presented at LVHN Research Scholar Program Poster Session, Lehigh Valley Health Network, Allentown, PA.

This Poster is brought to you for free and open access by LVHN Scholarly Works. It has been accepted for inclusion in LVHN Scholarly Works by an authorized administrator. For more information, please contact LibraryServices@lvhn.org.

Emergency Healthcare Provider Wait Time before Patient Discharge after Opioid Administration: A Gender Analysis

GENDER DISPARITIES

Past Studies Suggest that Female Medical Providers:

- □ Have longer appointments¹
- □ May possess more empathy for patients²
- □ Focus on preventative care¹
- Administer less opioids in the emergency department³

While Male Providers:

Devote more time to taking a medical history¹

Administer more opioids in the emergency department³

THE "OPIOID EPIDEMIC"

- The number of nationwide deaths from prescription opioid overdose quadrupled between 1999 and 2010⁴
- Emergency healthcare providers prescribe about 25% of all opioid analgesics in the US⁵
- □ Between 2001 and 2010 there was a 49% increase in the percentage of emergency room patients that were prescribed an opioid⁶
- **No official guidelines** exist for the discharging of emergency department patients after opioid administration

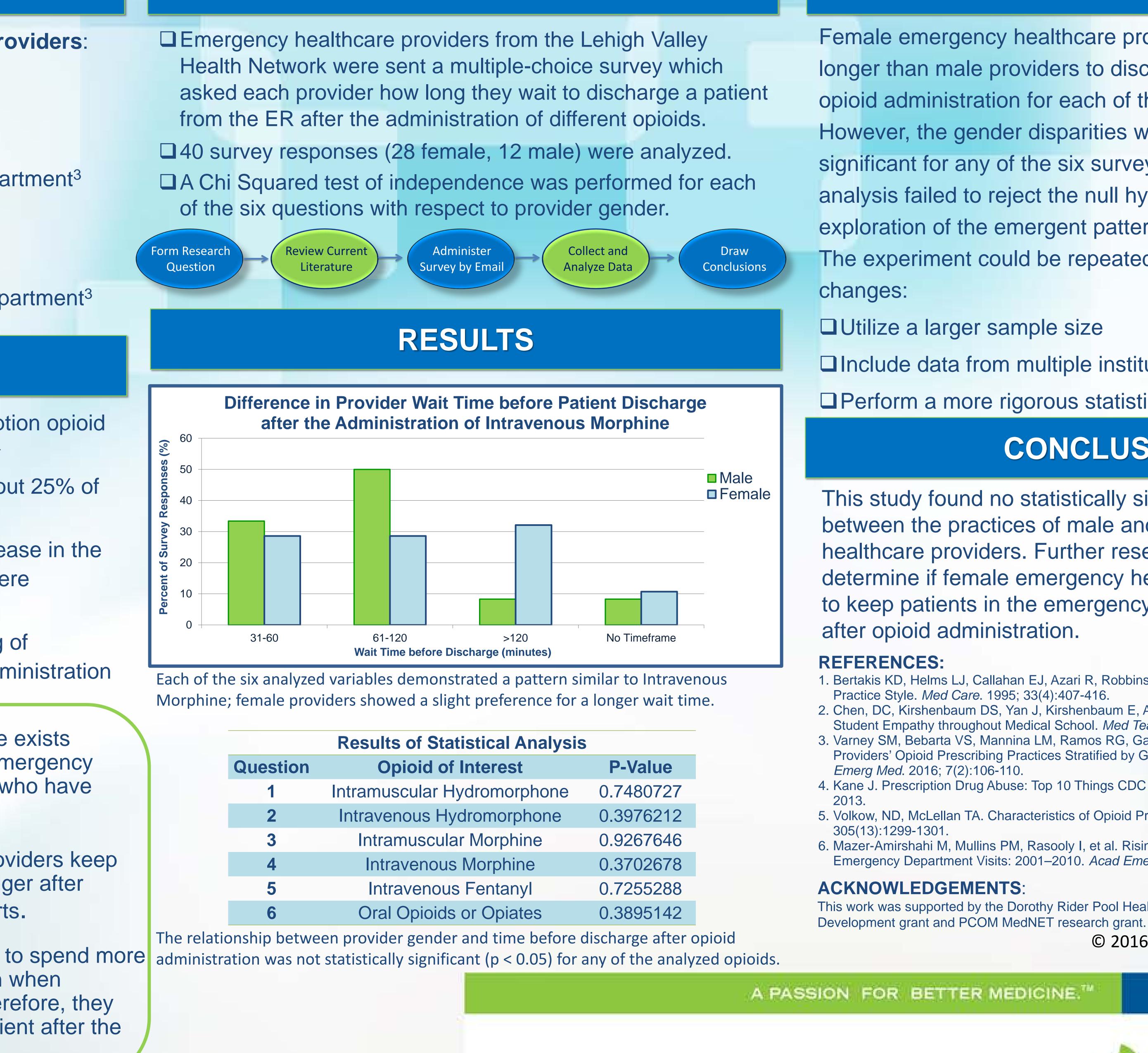
Purpose: To determine if a significant difference exists between the amount of time male and female emergency healthcare providers wait to discharge patients who have received opioids.

Hypothesis: Female emergency healthcare providers keep patients in the emergency room significantly longer after opioid administration than their male counterparts.

Rationale: Female providers have been shown to spend more time with their patients and exhibit more caution when prescribing opioids in the emergency room. Therefore, they are more likely to wait longer to discharge a patient after the administration of opioids.

Angeline Lonardi; Kenneth Katz, MD; Anita Kurt, PhD, RN Lehigh Valley Health Network, Allentown, Pennsylvania

METHODS



DISCUSSION

Female emergency healthcare providers reported waiting longer than male providers to discharge a patient after opioid administration for each of the six opioid treatments. However, the gender disparities were not statistically significant for any of the six survey questions. Though this analysis failed to reject the null hypothesis, it calls for the exploration of the emergent pattern reported by the data. The experiment could be repeated with the following

Include data from multiple institutions

Perform a more rigorous statistical analysis

CONCLUSION

This study found no statistically significant difference between the practices of male and female emergency healthcare providers. Further research must be done to determine if female emergency healthcare providers elect to keep patients in the emergency room significantly longer

1. Bertakis KD, Helms LJ, Callahan EJ, Azari R, Robbins JA. The Influence of Gender on Physician

2. Chen, DC, Kirshenbaum DS, Yan J, Kirshenbaum E, Aseltine RH. Characterizing Changes in Student Empathy throughout Medical School. Med Teach. 2012; 34(4):305-311. 3. Varney SM, Bebarta VS, Mannina LM, Ramos RG, Ganem VJ, Carey KR. Emergency Medicine Providers' Opioid Prescribing Practices Stratified by Gender, Age, and Years in Practice. World J

4. Kane J. Prescription Drug Abuse: Top 10 Things CDC Says You Should Know. PBS News Hour.

5. Volkow, ND, McLellan TA. Characteristics of Opioid Prescriptions in 2009. JAMA. 2011;

6. Mazer-Amirshahi M, Mullins PM, Rasooly I, et al. Rising Opioid Prescribing in Adult US Emergency Department Visits: 2001–2010. Acad Emerg Med. 2014; 21:236-243.

This work was supported by the Dorothy Rider Pool Health Care Trust Research and

© 2016 Lehigh Valley Health Network

610-402-CARE LVHN.org

