# Clinical Implications of the Introduction of an Alcohol Withdrawal Order Set



By: Drs. Deborah Smith and Jennifer Zymantas

## **Faculty/Presenter Disclosure**

No financial or personal relationships to disclose

# **Disclosure of Commercial Support**

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# Objectives

- Recognize that Alcohol Withdrawal Syndrome is a common and serious medical condition
- Describe a process to develop and implement an order set
- Realize the Importance of Quality Assurance







### Standardized Symptom Triggered Alcohol Withdrawal Protocol







## **Process to Develop**

### Time commitment

- IYear → Create & Implement Order Set
- Par → Chart Review & Quality Assurance







## **Retrospective Chart Review**

### **Objectives:**

- Examine patient outcomes both pre- and post-implementation of this new order set
- Identify protocol breeches





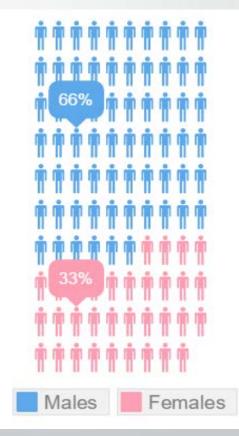


### **Study Design**

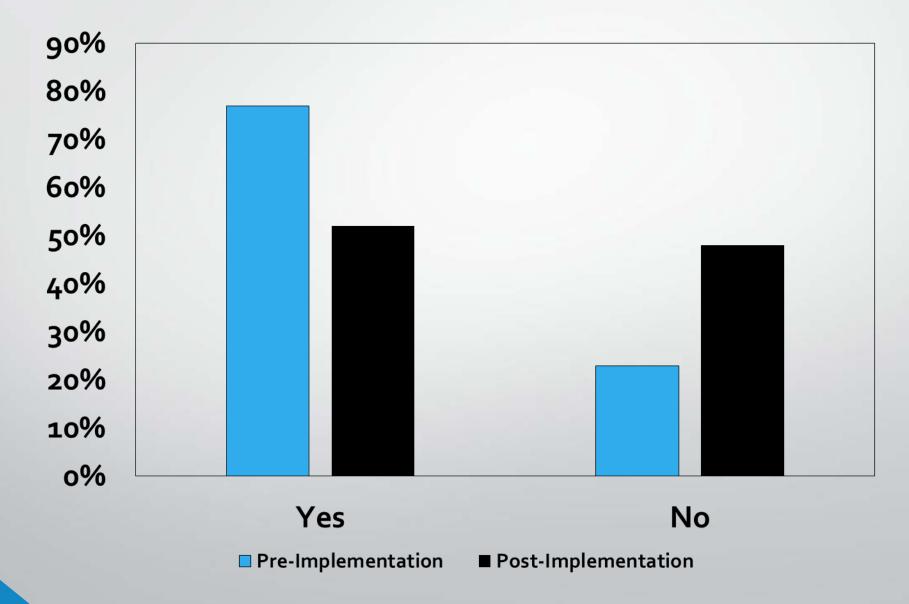
- Matched Pairs (matched for sex and age)
- Initial sample size = 79
- After matching 54 (27 Pre : 27 Post)
- Data analyzed with SPSS 20.0

## **Patient Population**

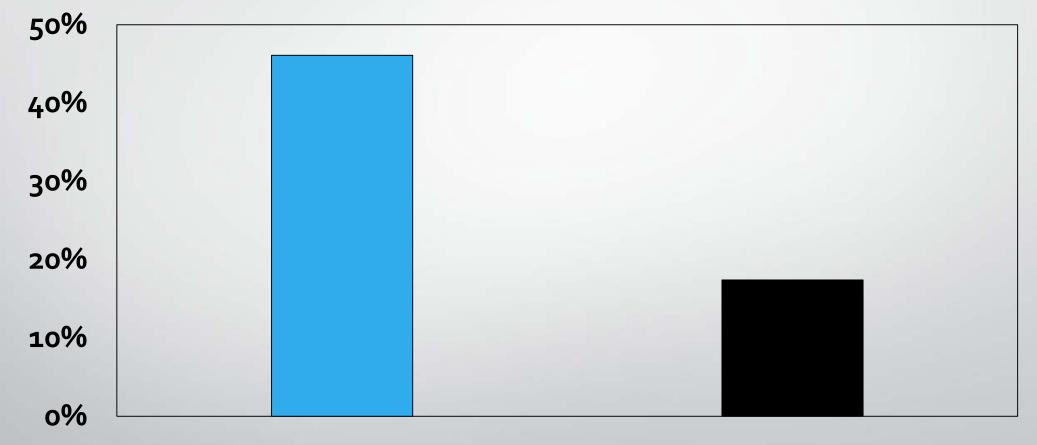
	Pre- Implementation (n=27)	Post- Implementation (n=27)
Patient Age mean +/- SD (years)	57.9 (14.7)	57.6 (14.3)
Patient Sex Female : Male (9:27)	33% : 66%	33% : 66%
Median Duration of Hospital Stay (days)	4.0 (2.0-6.0)	4.5 (2.0-8.25)



## **Documented Alcohol Intake**



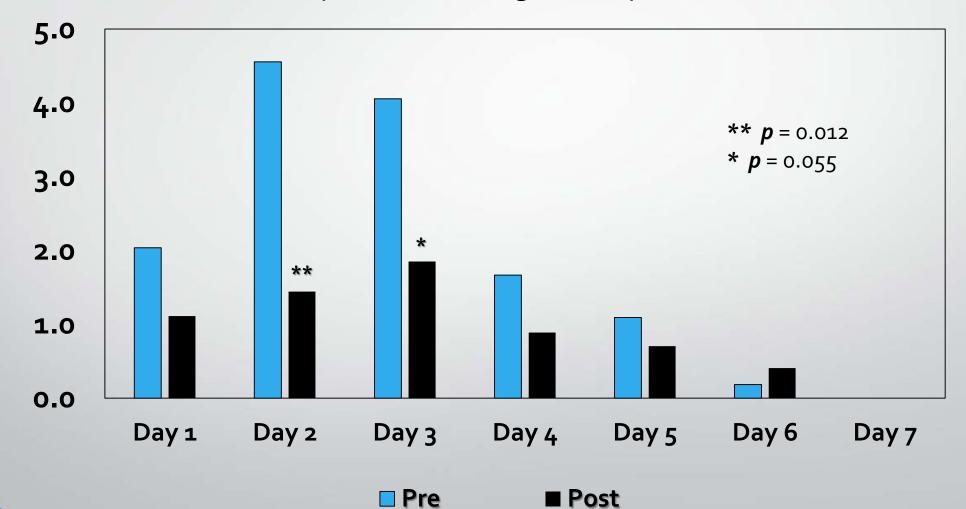
### **Documented Alcohol Intake in Last 72 Hours**



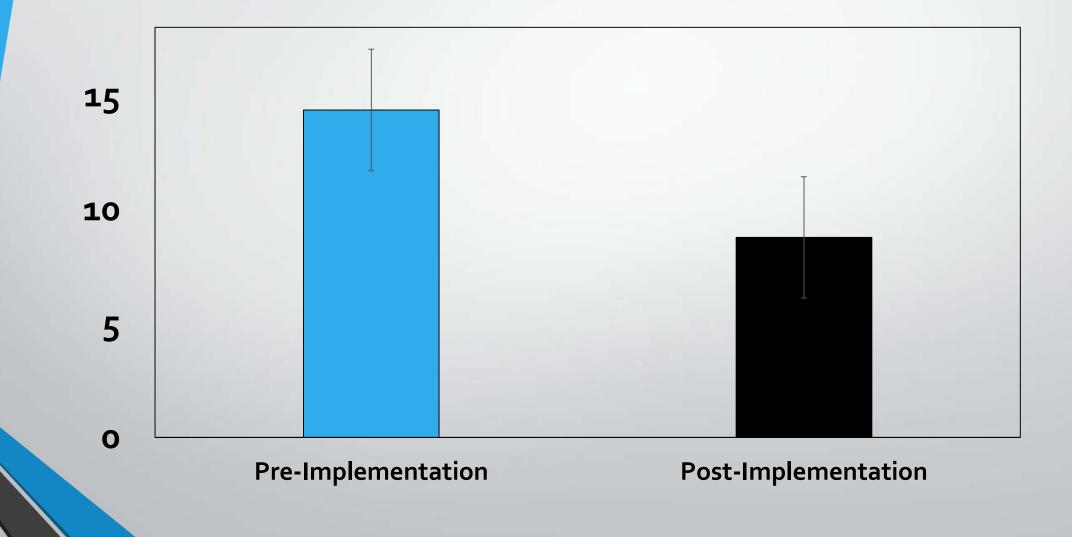
#### Pre-Implementation Post-Implementation

### **Mean Doses of All Benzodiazepines**

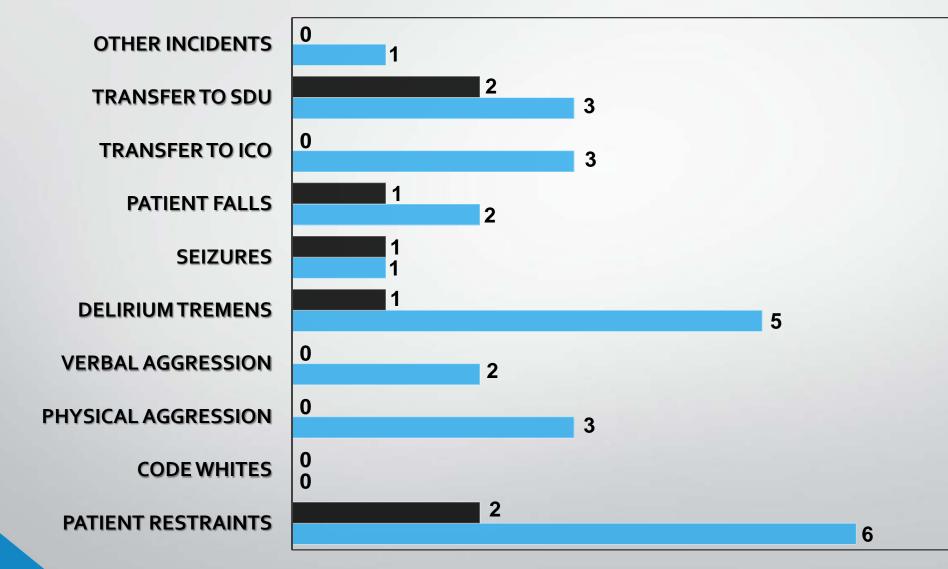
Equivalence: 1 mg Lorazepam



### Mean Cumulative Benzodiazepines Equivalent Dose Over 7 Days

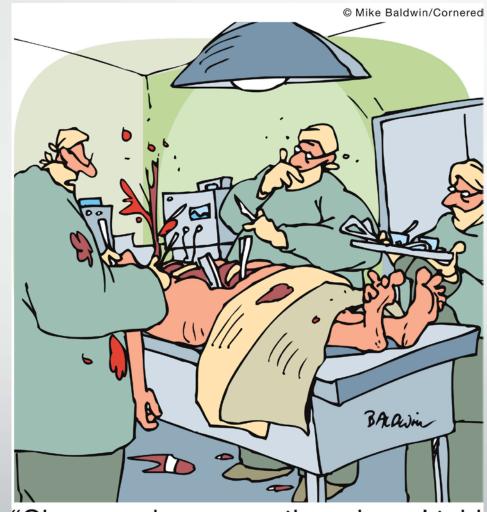


### **Patient Incidents Pre- & Post-Implementation**



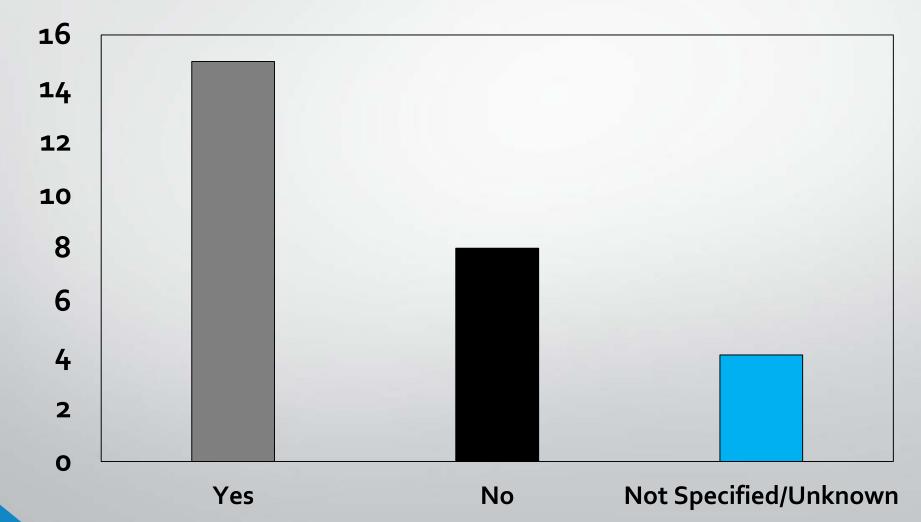
Post-Implementation ((n=27)
Pre-Implementation (n=27)

### **Breeches in Protocol**

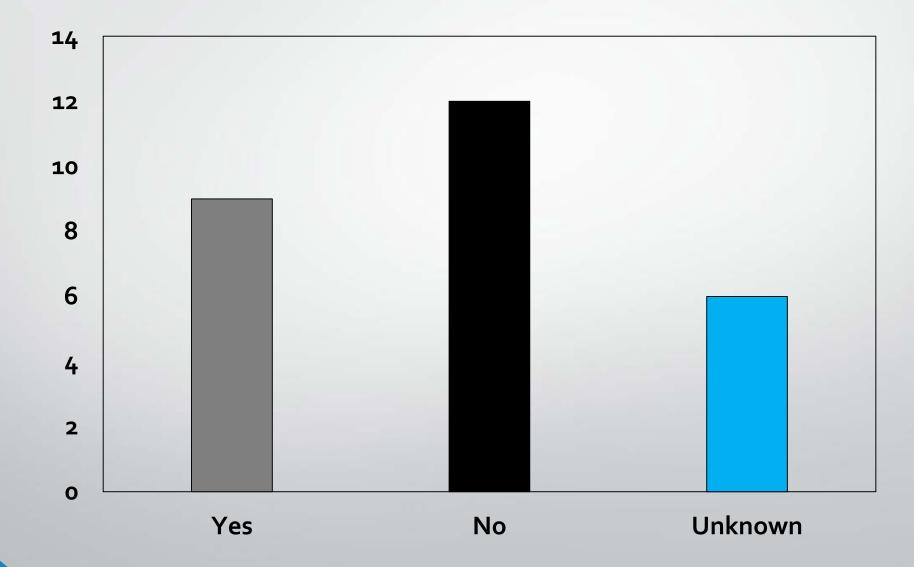


"Oh, man – how many times have I told you? Measure twice, cut once."

### Benzodiazepine Administration Without CIWA-Ar Assessment



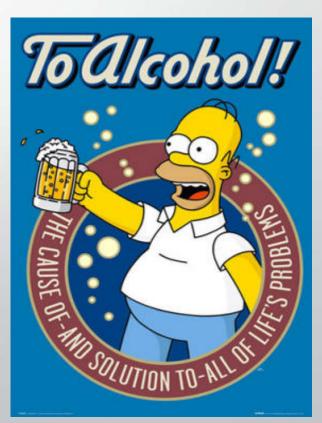
### **Correct Benzodiazepine Dose**





# Summary

- Idea for Alcohol Withdrawal Protocol
- Creating an appropriate Order Set
- Chart Review
- Quality Assurance



# Acknowledgements

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### Questions ???

#### THANK YOU!!!



debsmith@nosm.ca

jzymantas@nosm.ca