

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



**LEG Lead and Administrator Meeting  
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**Drs. Deborah Smith and Jennifer Zymantas**



# Faculty/Presenter Disclosure

- No financial or personal relationships to disclose

# Disclosure of Commercial Support

- Supported by the Northern Ontario Academic Medicine Association (NOAMA) Clinical Innovations Opportunities Fund Award



# Objectives

- Recognize that Alcohol Withdrawal Syndrome is a common and serious medical condition
- Describe a process to develop and implement a Quality Improvement (QI) project
- Explore strategies to overcome barriers to QI/Research













**KEEP  
CALM  
AND  
FOLLOW  
PROTOCOL**



**KEEP  
CALM  
AND  
FOLLOW  
DIRECTIONS**




$$\begin{aligned}P_{nom} &= P \\q_{nom} &= \left(1 + \frac{P}{100}\right) = (1 + i) \\p_{rel} &= P \cdot \frac{1}{m} = \frac{P}{m} \\q_{rel} &= \left(1 + \frac{P}{100} \cdot \frac{1}{m}\right) \\p_{eff} &= 100 \cdot \left(1 + \frac{P}{100} \cdot \frac{1}{m}\right)^m\end{aligned}$$





# Process to Develop



- Time commitment
  - 1<sup>st</sup> Year → Create & Implement Order Set
  - 2<sup>nd</sup> Year → Chart Review & Quality Assurance







# QI Retrospective Chart Review

## Objectives:

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



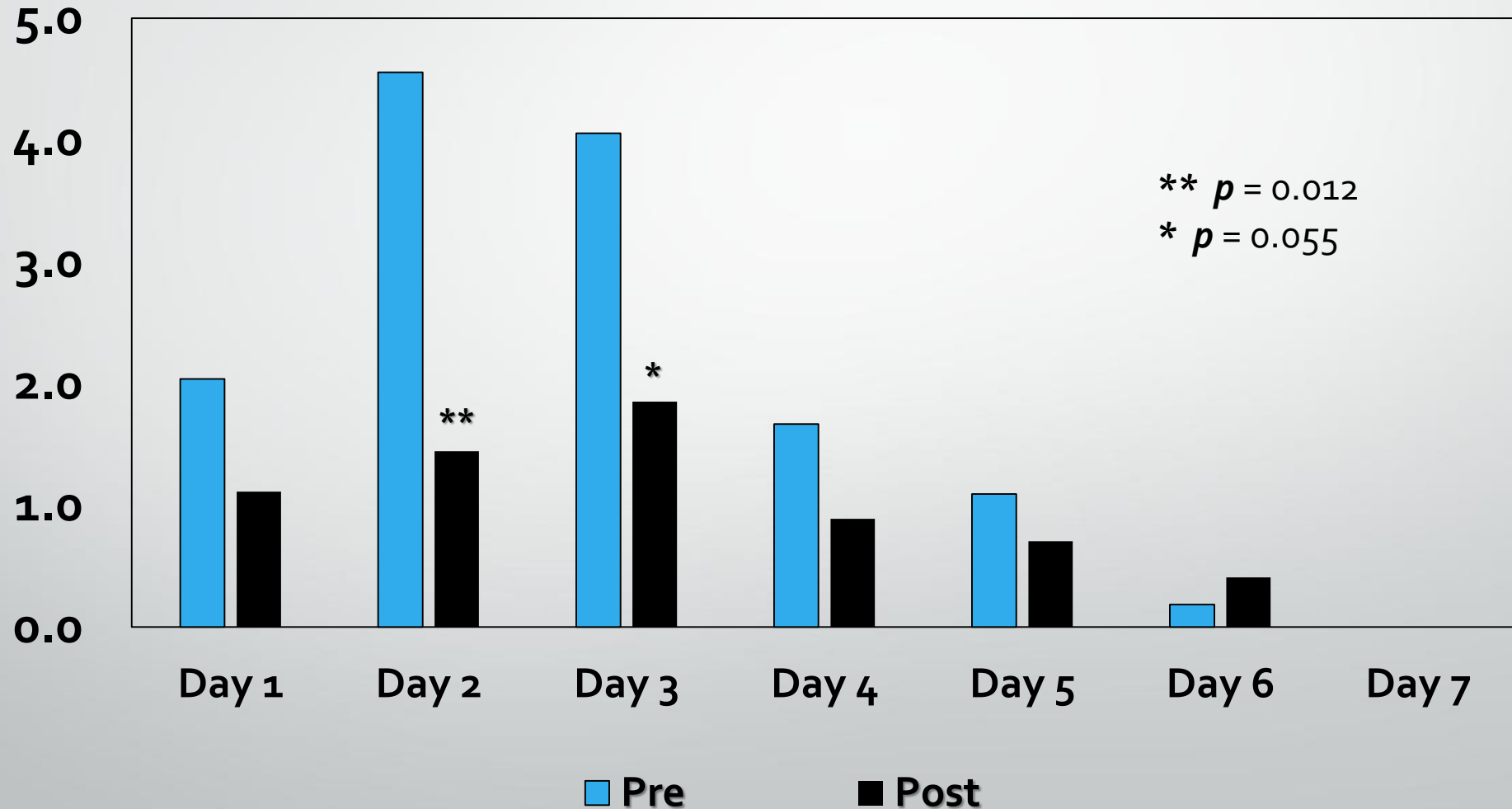
# QI Retrospective Chart Review

- Initial sample size = 79
- After matching 54 (27 Pre : 27 Post)



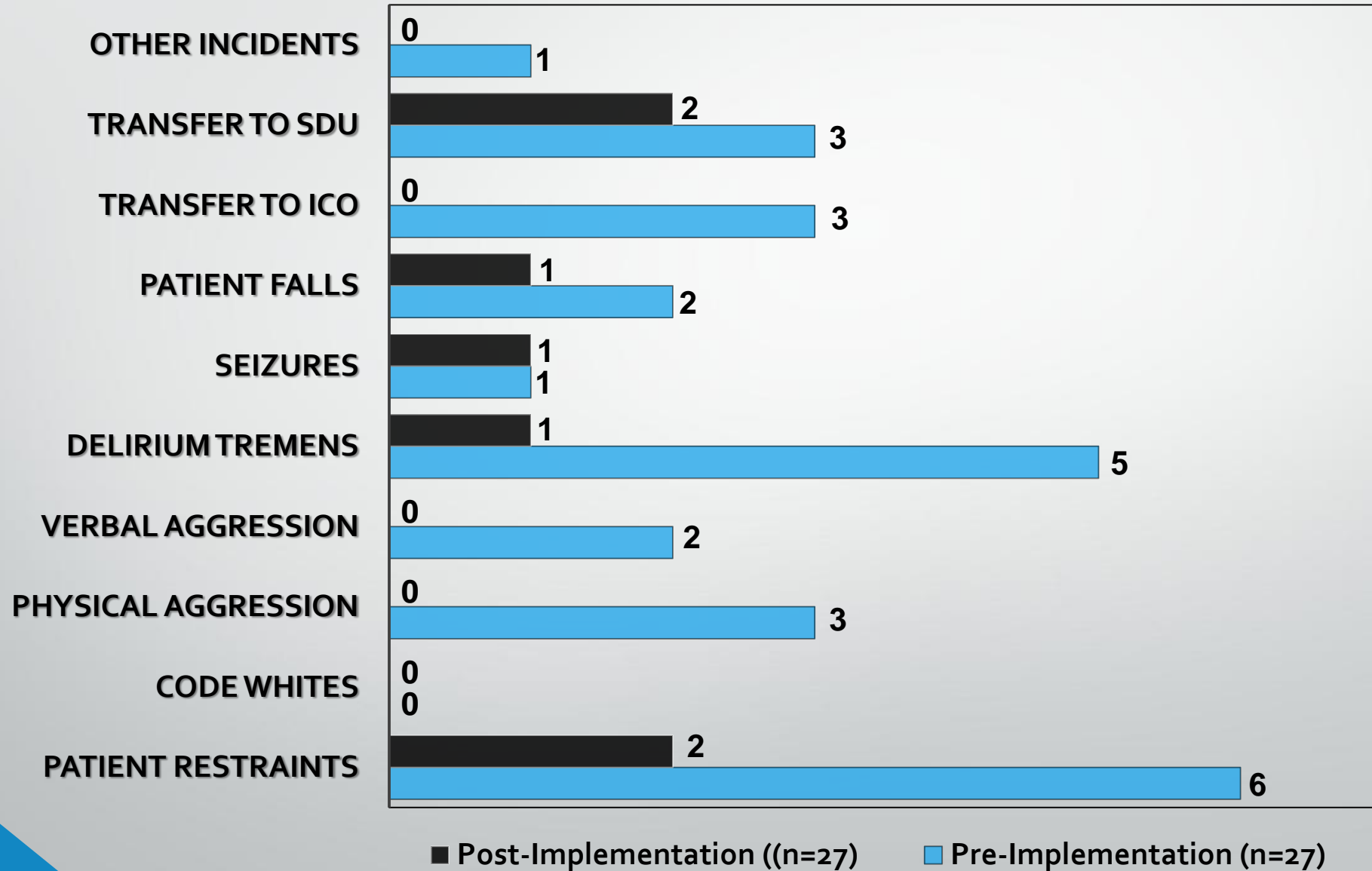
# Mean Doses of All Benzodiazepines

Equivalence: 1 mg Lorazepam

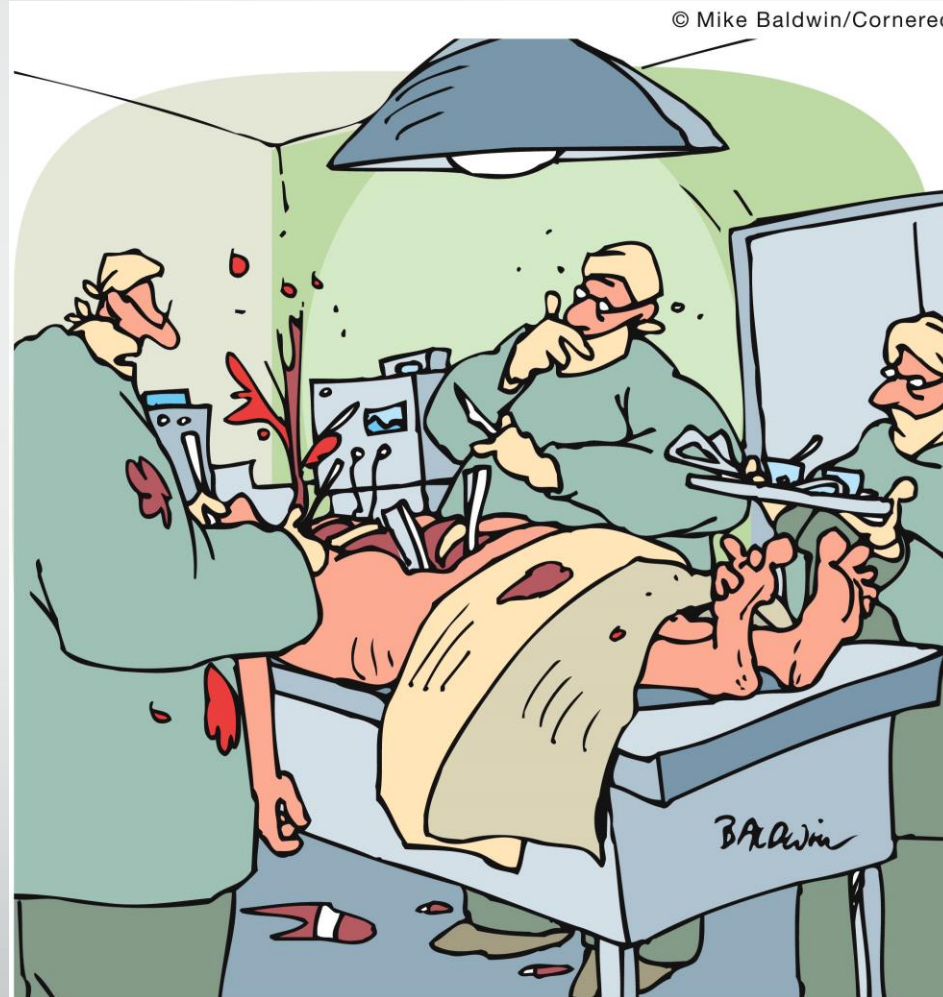




# Patient Incidents Pre- & Post-Implementation

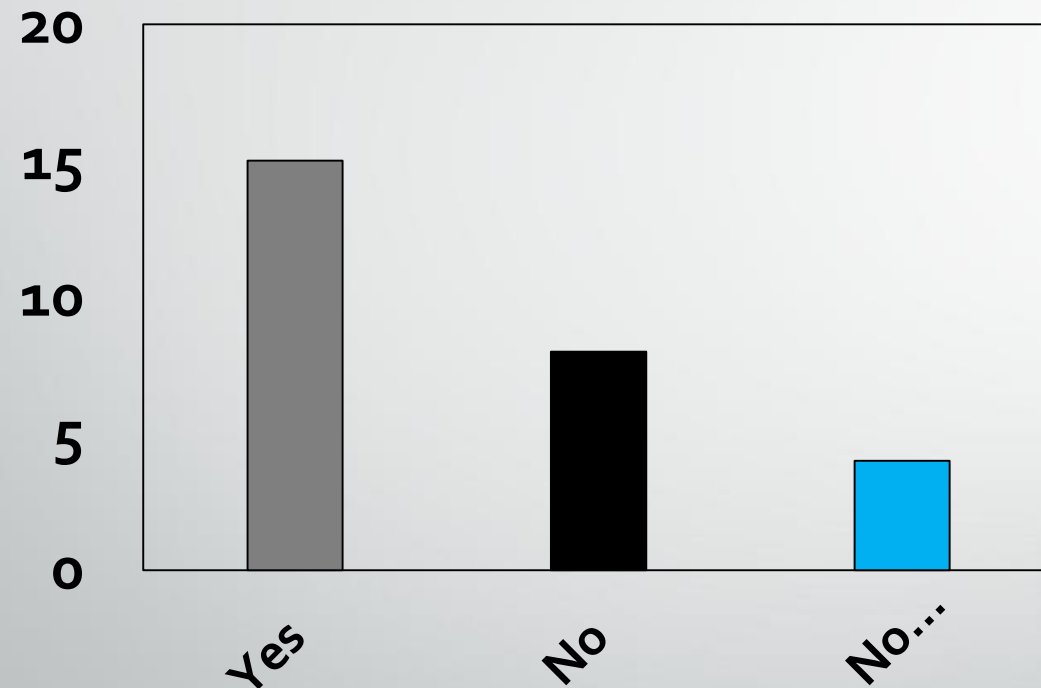


# Breeches in Protocol

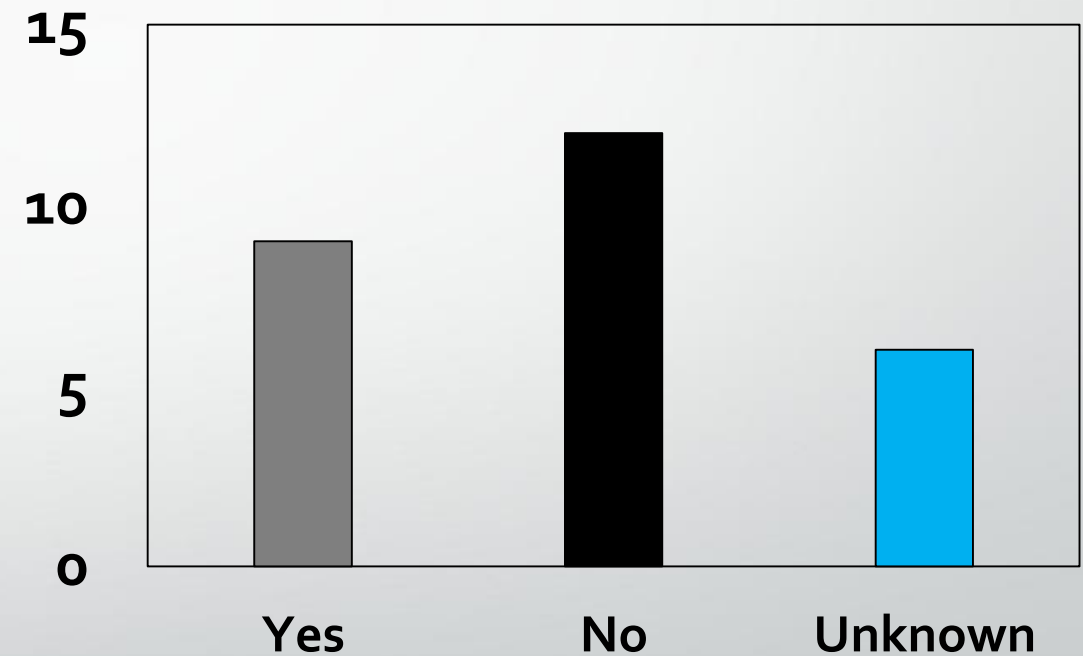


“Oh, man – how many times have I told you? Measure twice, cut once.”

## Benzodiazepine Administration Without CIWA-Ar Assessment



## Correct Dose of Benzodiazepine

















# Acknowledgements

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# Questions ???



THANK YOU!

[debsmith@nosm.ca](mailto:debsmith@nosm.ca)

[jzymantas@nosm.ca](mailto:jzymantas@nosm.ca)