Clinical Implications of the Introduction of an Alcohol Withdrawal Order Set



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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





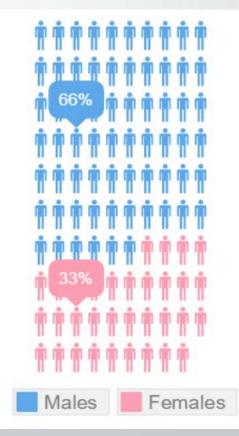


Study Design

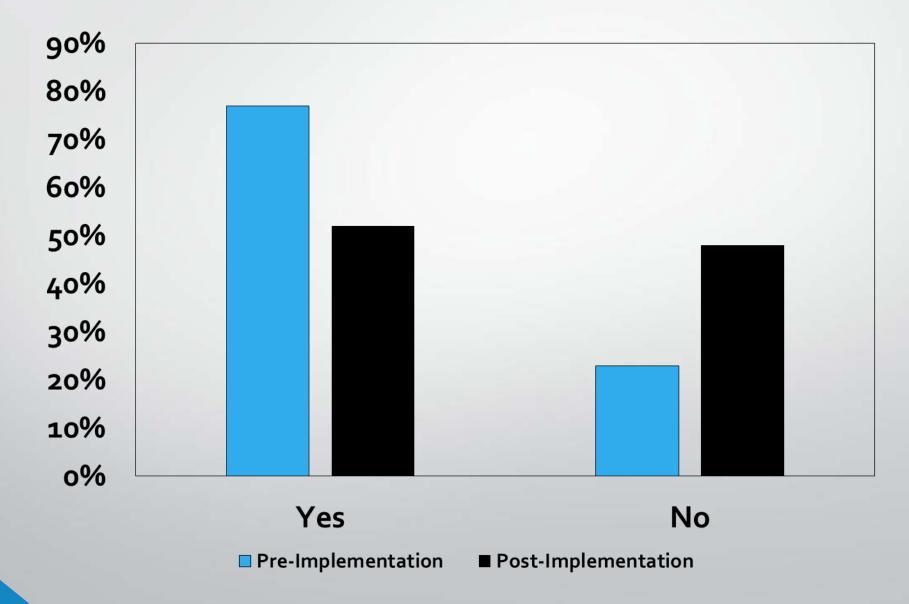
- Matched Pairs (matched for sex and age)
- Initial sample size = 79
- After matching 54 (27 Pre : 27 Post)
- Data analyzed with SPSS 20.0

Patient Population

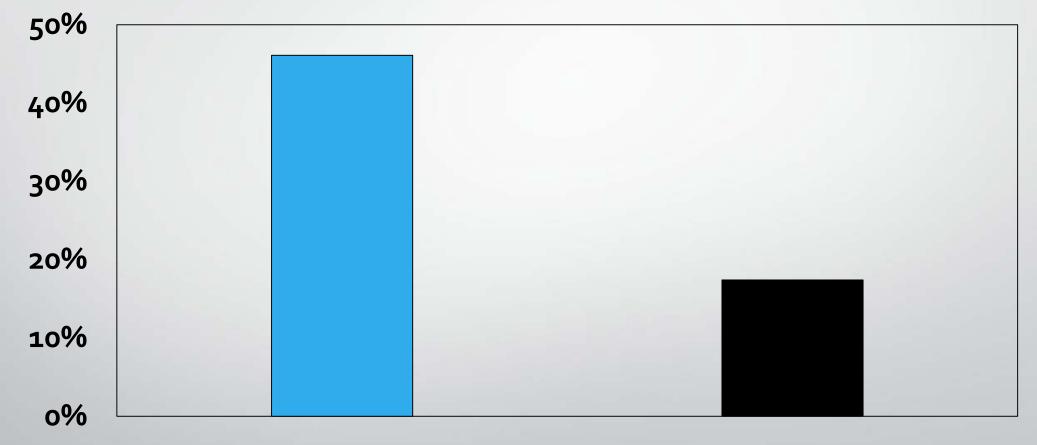
	Pre- Implementation (n=27)	Post- Implementation (n=27)
Patient Age mean +/- SD (years)	57.9 (14.7)	57.6 (14.3)
Patient Sex Female : Male (9:27)	33% : 66%	33% : 66%
Median Duration of Hospital Stay (days)	4.0 (2.0-6.0)	4.5 (2.0-8.25)



Documented Alcohol Intake



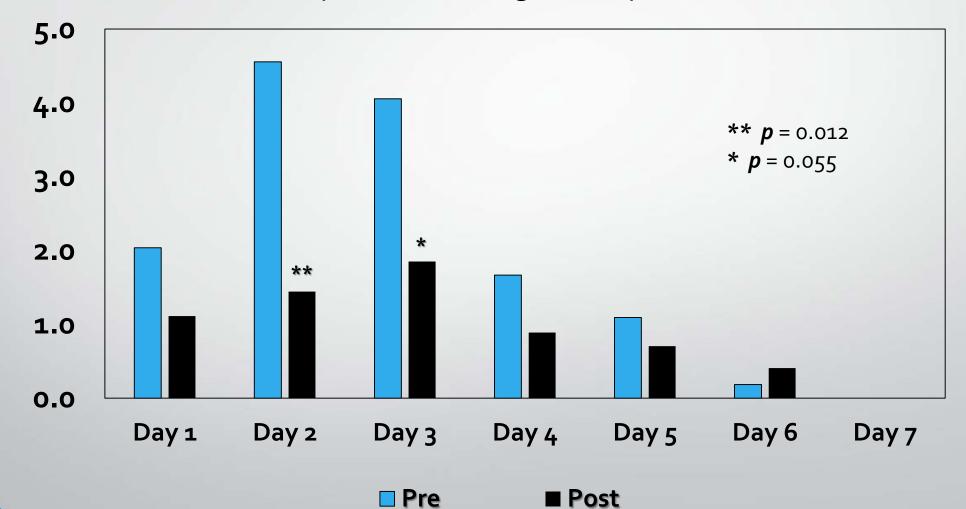
Documented Alcohol Intake in Last 72 Hours



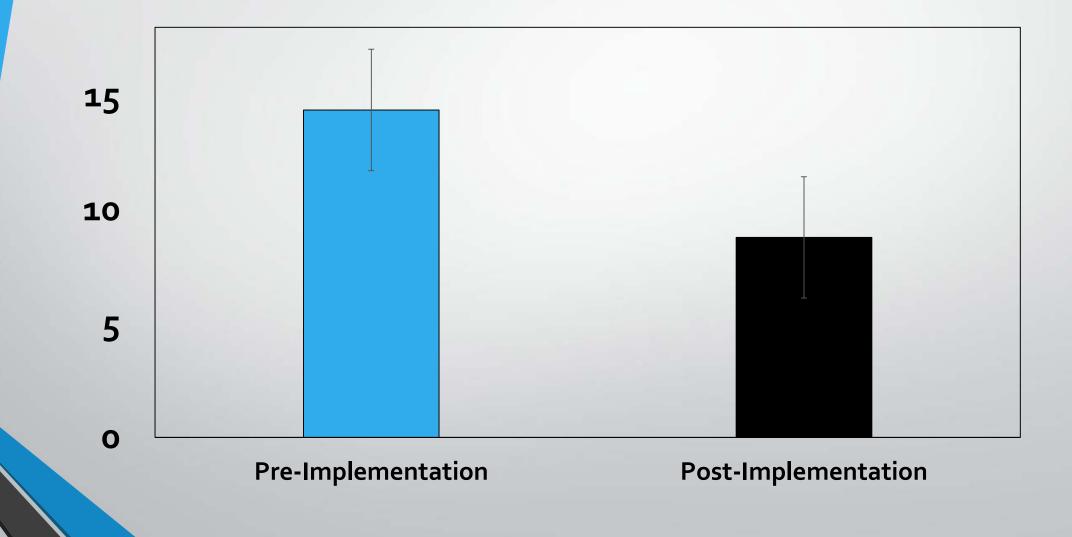
Pre-Implementation Post-Implementation

Mean Doses of All Benzodiazepines

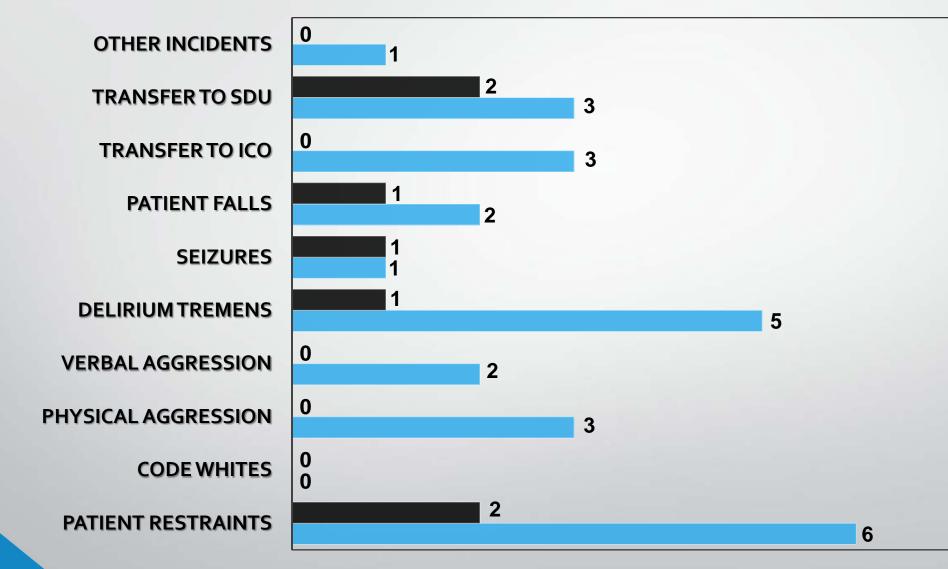
Equivalence: 1 mg Lorazepam



Mean Cumulative Benzodiazepines Equivalent Dose Over 7 Days

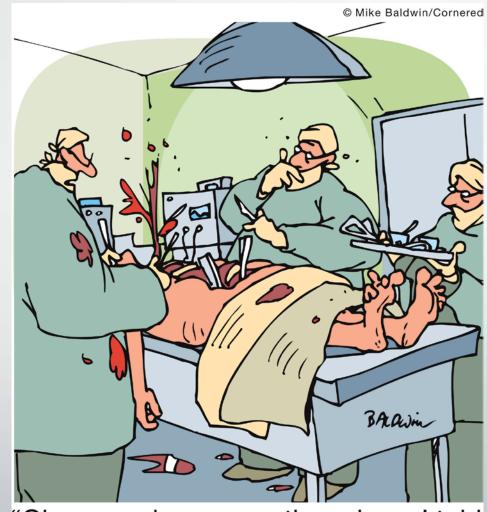


Patient Incidents Pre- & Post-Implementation



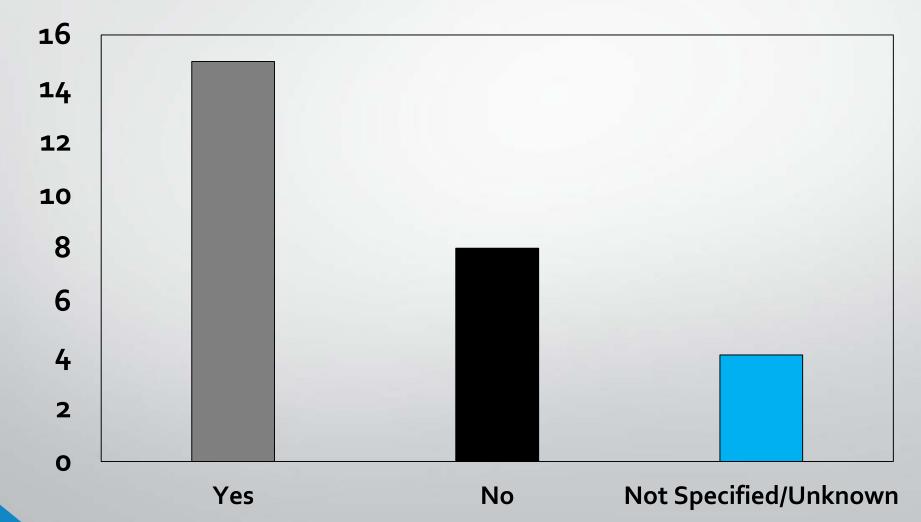
Post-Implementation ((n=27)
Pre-Implementation (n=27)

Breeches in Protocol

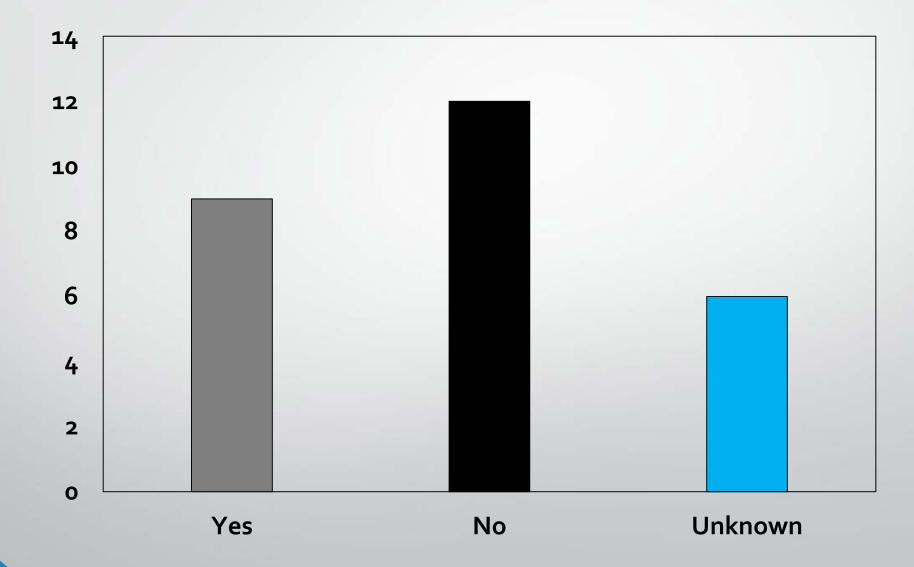


"Oh, man – how many times have I told you? Measure twice, cut once."

Benzodiazepine Administration Without CIWA-Ar Assessment



Correct Benzodiazepine Dose





Summary

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



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Questions ???

THANK YOU!!!



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