Improving Bar-Code Medication Administration (BCMA) with Mindfulness and Teamwork

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Results

Implications for Research and Practice

Timeline: November 2020-June 2021
Ethics and human subjects, protection-IRB Approved

Background/Purpose

• Thousands of medication errors occur each year
• Detriment to patient care
• Costly to healthcare
• Workarounds and human factors involved with BCMA continue to lead to errors

Evidence-Based Initiatives

• Quality Improvement project
• 32 bed medical-surgical unit
• Improve delivery model for medication administration and safety
• 5 Rights: Right Patient
  Right Medication
  Right Dose
  Right Route
  Right Time
• Practice mindfulness
• Principles of Safe Design: 4 E’s - engage, education, execution and evaluation
• Observations of medication administration
• Pre-assessment with questionnaire
• Nurse Discussion groups

In-services on Medication Safety, Teamwork (TeamSTEPPS)/Mindfulness
• Initiated Med Nurse Champions
• Nurse leaders-safety and teamwork
• Voice reports and good catches
• Medication Mindfulness-placards to Med WOWS-(see example below)

Evidence-Based Initiatives

• In-services on Medication Safety, Teamwork (TeamSTEPPS)/Mindfulness
• Medication Safety Check sheets
• Initiated Med Nurse Champions
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• Medication Mindfulness-placards to Med WOWS -(see example below)

Method

Medication Mindfulness
• Med room: Stop-Breath-Focus
• Med Safety Check-Focus
• Proceed to patient room
• Stop-Breath-Focus
• Patient ID and DOB
• Scan ID band on patient’s wrist
• 5 Rights of Medication Safety
• Focus-anticipate intercept error.
• Document administration

• Evaluation of pre-post questionnaire results with engagement level
• Evaluation of Pre-post medication administration observations
• Post nurse discussion groups
• Pharmacy, manager feedback
• Review and comparison of voice reports and good catches

Implications for Research and Practice

• Further study: med administration 5 rights, teamwork, mindfulness.
• Nurse champions roles, med safety

Bibliography

  https://www.ahrq.gov/teamstepps/instructor/fundamentals/module1/m1evidencebase.html