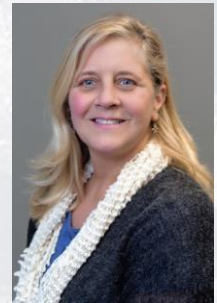


Maximizing safeMedicate Across the Curriculum

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Objectives

- Provide a greater understanding of how to engage students with medication administration throughout the curriculum.
- Review the process of changes to math competency testing.
- Explain strategy for expanding use of safeMedicate program.
- Measurement of engagement and competency

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Prior math policy

- Passing achieved at 85%
 - Up to 3 attempts – time constraints for scheduling
 - Required remediation
- Equated to 3% of overall clinical grade
- Initial competency for medication administration in the clinical setting each semester
- Paper and pencil (or examsoft); physical presence of proctor

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Past use of safeMedicate

- Originally purchased as introductory product in September 2019
- 1st semester juniors in Adult Medical Surgical course
- Use for initial competency in med administration

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Initial safeMedicate changes

- Expansion of use of safemedicate from 1 test to additional quizzing throughout semester
- Positive feedback from students on confidence and competence

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Continued changes

- SafeMedicate program followed students to subsequent semesters for continued benefit
- 2nd semester junior students (new curriculum changes)
- Elimination of psych/mental health math test (same semester)

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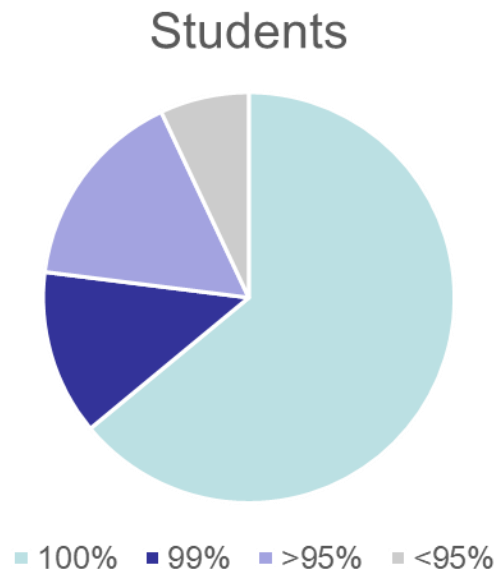
Current math policy for 2nd semester Jrs.

- Passing achieved at 95% prior to medication administration
- Initial competency test = 2% of overall clinical grade
- Weekly quizzing = remaining 1% of overall clinical grade
- 4 attempts per weekly quiz (highest grade)

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Student engagement

- Multiple attempts with weekly quizzing motivated students to remain engaged with content areas and to achieve high scores.



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Increased access

| Before safeMedicate | With safeMedicate |
|---|--|
| Practice questions provided with answer key | Practice at student's own pace Practice as much as they want |
| Class time used to practice/review | Formative practice tests provide immediate feedback to students Faculty available as needed for review. |
| Practice sessions with lead faculty when needed | Summative med admin competency test is time limited and taken at home |
| In-person proctoring for initial and subsequent tests required (difficulty with scheduling) | Weekly quizzes, with multiple attempts, increases engagement with med calculations and administration |

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New challenge

- Working through student issue of test question “not the same” as practice.
- SafeMedicate question bank of thousands of questions.

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Measurable Outcomes

- Program evaluation
 - Student feedback – positive student evaluations
- HESI utilized for comprehensive exam each semester – HESI staff complimented overall math scores of our students.
- Overall pass rate of medication competency test each semester has increases.
 - Fall 2020 = 5 students required 2nd attempt
 - Spring 2021 = 2 students required 2nd attempt

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Benefits for faculty

- Ease of use
 - Cohorts auto-populated
 - Feedback spreadsheet easy to navigate
 - Grades automatically entered and organized
- Options
 - Mini-cohorts by clinical sections (but easier to keep students in 1 cohort group because each semester different section number/instructor name)

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Summary

- Provide a greater understanding of how to engage students with medication administration throughout the curriculum.
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