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5-19-2023

Learning from Medication Errors: Leveraging a Journal Scan Assignment to Teach Medication Safety

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Recommended Citation

Whitney, Rachel and Lapointe, Marc, "Learning from Medication Errors: Leveraging a Journal Scan Assignment to Teach Medication Safety" (2023). *MUSC Conference Presentations*. 15.

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Learning from Medication Errors: Leveraging a Journal Scan Assignment to Teach Medication Safety

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Elective**

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01

**Medication Safety
Elective**

Medication Safety Elective

**2nd Year
Pharmacy
Students (P2's)**

**Supplements
'Just Culture'**



**Preparation
for OSCE
and APPE**

**Hands-On
Assignments
and Guest
Lecturers**

Course Topics

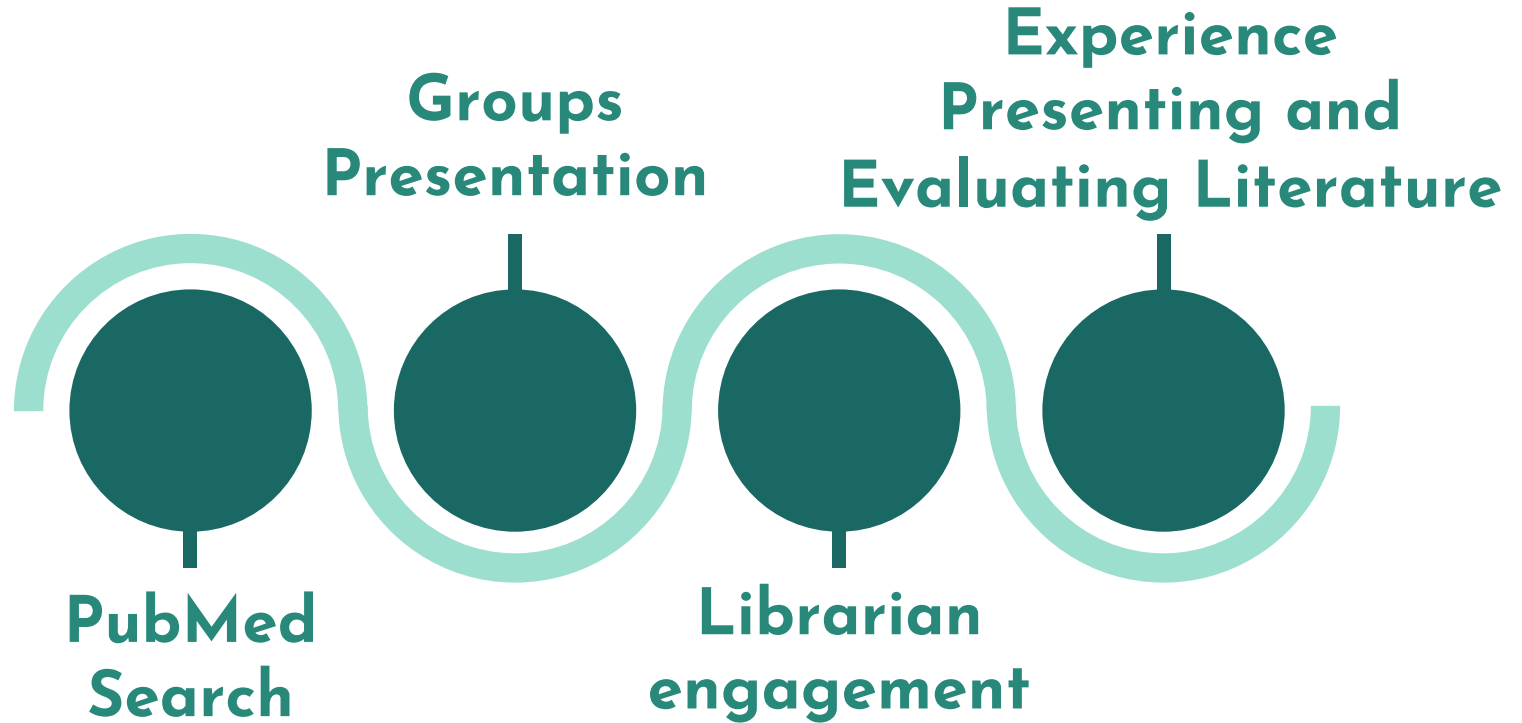
Error, human factors, and harm	<i>To Err is Human</i> , root cause analysis
Medication Error Reporting at Local Hospitals	Data presentation and medication safety hospital infrastructures – guest lecturers
High Risk Populations	Pediatrics and Transplantation – guest lecturers
Sharing Perspectives	Pharmacist Interview Assignment
Interprofessional Perspectives: Medicine and Nursing	Panel discussion and personal stories – guest lecturers
Legal Perspectives	Presentation and discussion – guest lecturer
Primary Literature	Group Journal Scan Presentations



02

Inviting the Librarian

Journal Scan Assignment



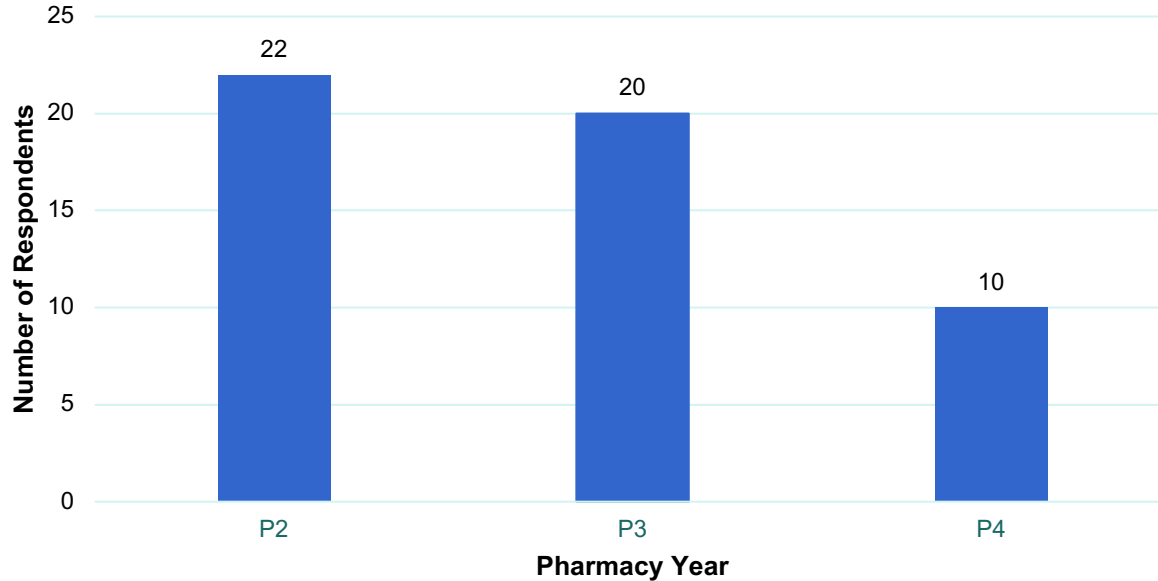


03

Results

Results

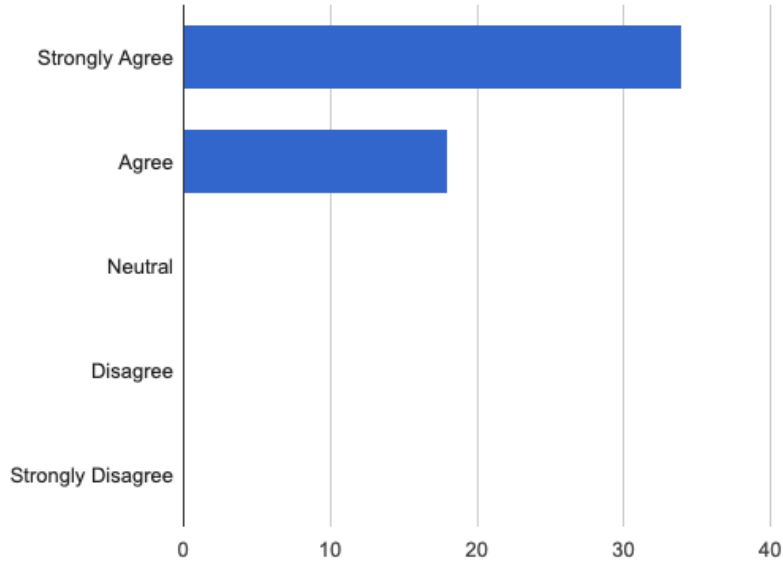
Number of Respondents by Program Year



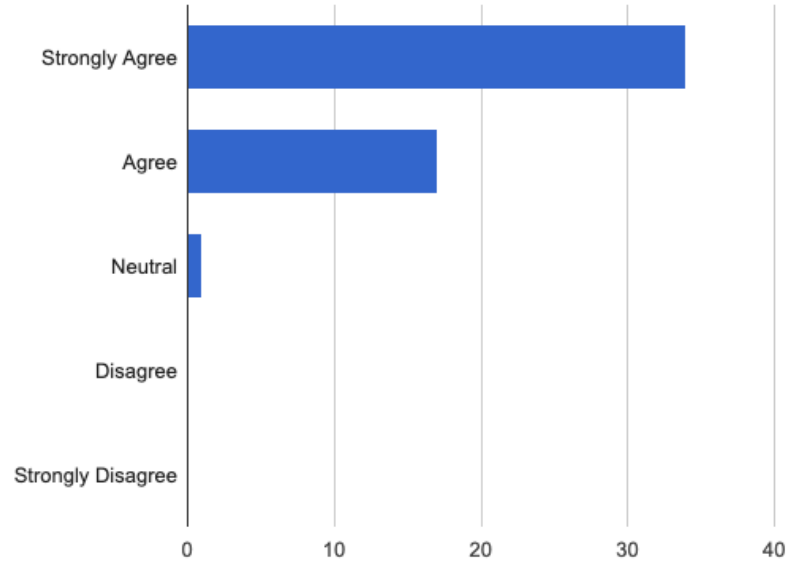
The survey was sent to current and past students who took the elective: P2, P3, P4 (n=66)

79% of students responded (n=52)

Results

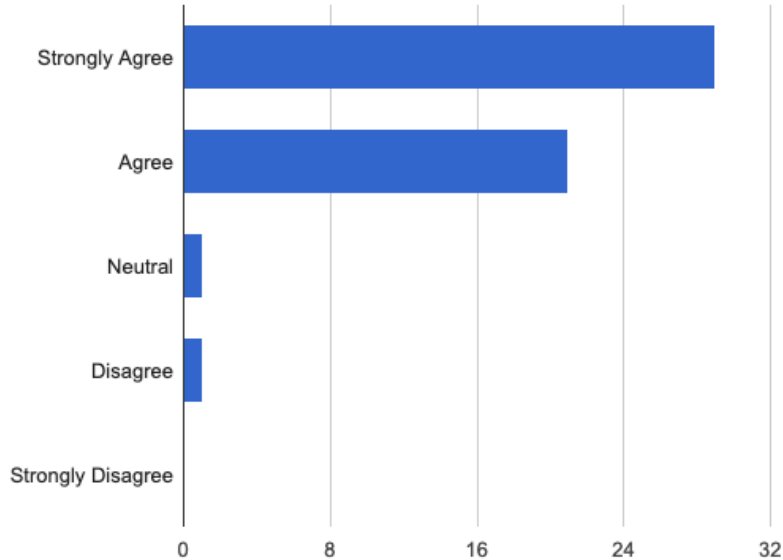


Do you feel like you have a better understanding of and appreciation for medication safety as a pharmacy student after this elective?

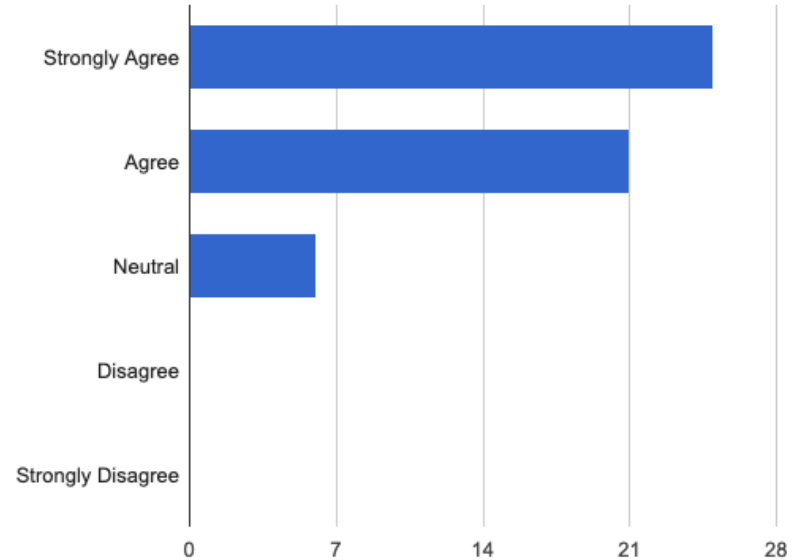


Did you find the guest lecturers helpful in providing different perspectives regarding medication safety?

Results



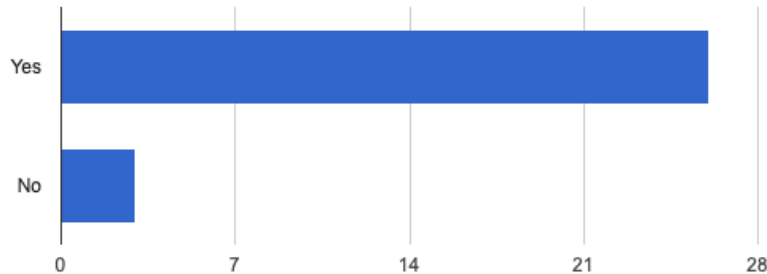
Do you believe that this course will change your professional practice as an intern and/or pharmacy technician?



Do you feel that this course has impacted your work environment (internship/work/rotation)? (ex: Have you already promoted / discussed medication safety practices with colleagues at work)

Results

30 students (57.7%) responded that they have witnessed a medication error in their work environment

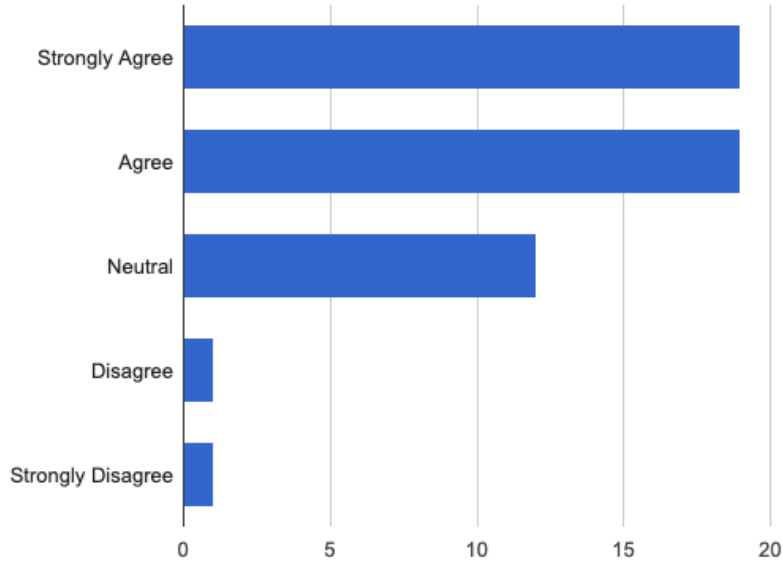


**Those respondents were asked:
Has the course changed the way you
evaluated the event and/or interacted with
others about the event?**

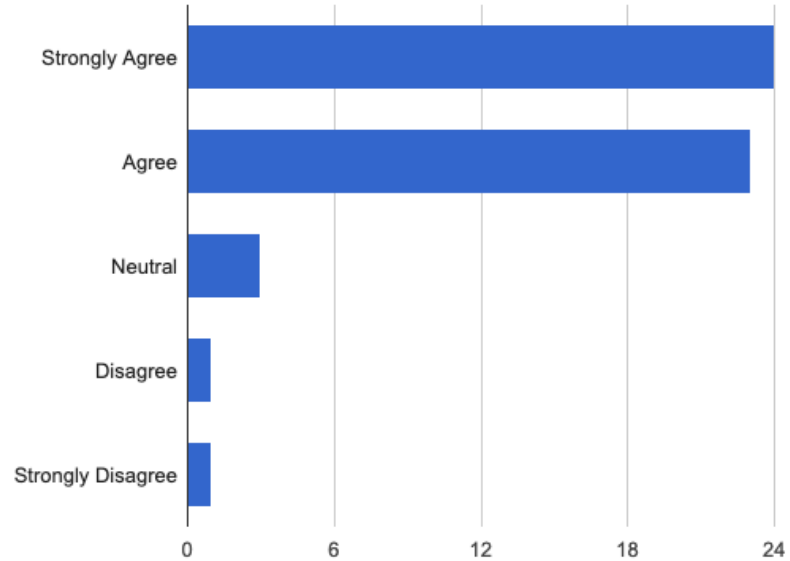
If yes, how?

- Realizing it is truly human error
- More inclined to speak up and advocate for patient safety
- Awareness on how to fix the mistake and prevent it from happening again
- More vigilant and aware of medication error in the workplace

Results

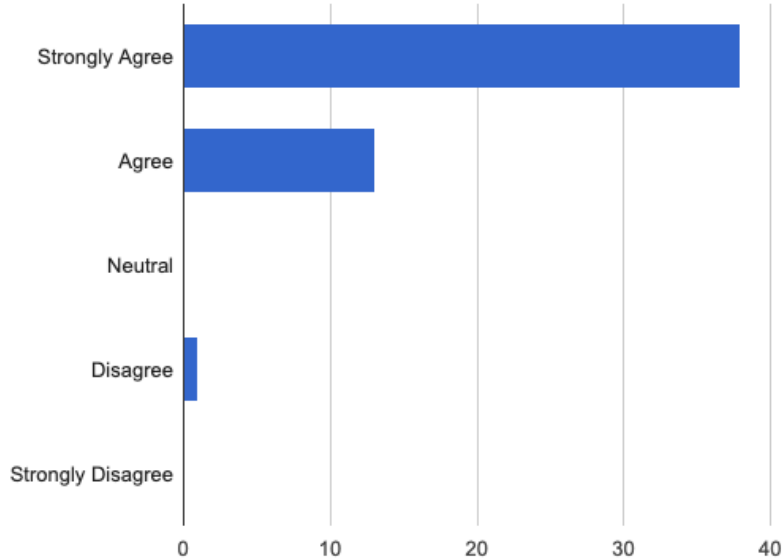


Do you feel like the journal scan presentations helped to reinforce the content taught throughout the semester?

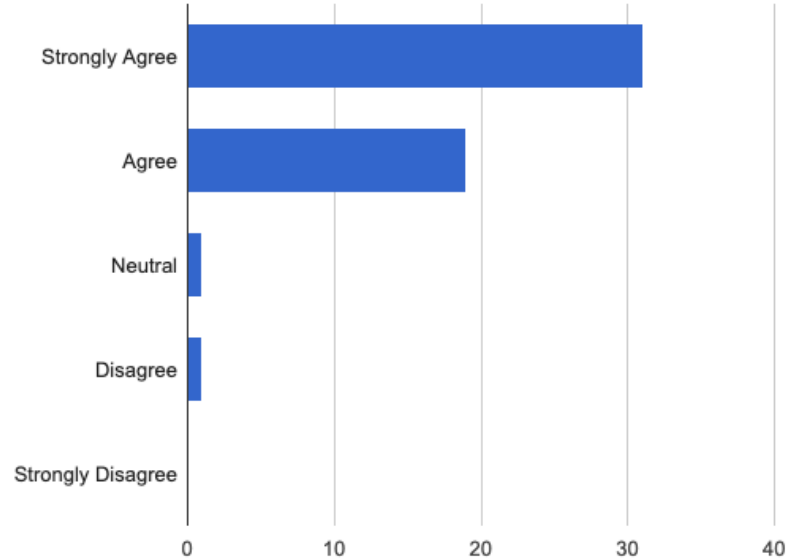


Do you feel that the journal scan presentation provided a good opportunity to practice presenting on an article before higher stakes presentations (ex: grand rounds)

Results



Do you think this class would benefit from being offered as an inter-professional elective course opened to other colleges/programs (ex: nursing, PA, etc)



Should the course also be offered to P3 students (open to both P2 and P3 students for a mixed class)

Results Forthcoming



What did you like best about this course?

Do you have any suggestions for how to improve this course?



04

Future Steps

Future Steps


Improving the Class

- Allowing students to select their articles instead of randomly assigning them
- Creating larger groups for the presentations (potentially 3-4 students vs 2)
- Increasing guest speakers from other specialties (ex: oncology)
- Reviewing all of the feedback from the survey



Future Steps

Research Project

- We will be sharing the results of the quality improvement project
 - Research Project to determine the impact of the elective on performance in Clinical Assessment courses
- 

Thanks

Do you have any questions?

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