

# Integrating Systemic Racism into a First Professional Year Course with a Student-Led Symposium Capstone Troy Lynn Lewis, Pharm.D., BC-ADM; Judith DeLuca, Pharm.D., BCPS;

## **KEY FINDINGS**

- Integrating a student-led project based on systemic i resulted in improvement in student understanding, p confidence, and opinions on the topic.
- Audience members found the symposium beneficial change their professional services and communicati
- This student-led symposium offers a model to asses outcomes in the context of team-based learning.
- This project explored integration of SR within the col well as a strategy to promote health equity and deliv competent care during the foundational first professi

### BACKGROUND

- SR is a public health emergency defined as the corr policies, and rules that are embedded within society organizations that generate and reinforce inequities, groups of color.<sup>1,2</sup>
- The historical and current impact of SR on health dis essential public health topic for pharmacy students.
- Results from a national study show low priority, with teach SR in pharmacy curriculum in the US.<sup>3</sup>
- With recent publications and organizations recognizi cause of racial health inequities <sup>2,4</sup>, colleges and sch pharmacy should include SR in their curriculum.

### **OBJECTIVES**

- To determine the impact of integrating a student-led focusing on SR within a doctor of pharmacy course.
- To determine by survey, the impact of the symposiur audience and students knowledge, perceptions, con opinions of SR.

### METHODS

- P1 students completed a group project that describe context and impact of SR on health outcomes.
- Each project included a written paper and presentat led symposium to faculty, staff, students, and comm
- Students were surveyed pre- and post-symposium to impact of the project on their understanding, percep confidence, opinions, and knowledge of SR.
- Non-P1 student audience members were also surve opinions of the symposium.
- Survey questions were asked on a Likert-type scale disagree/Not at all confident, 5=Strongly agree/Extre
- Assessment of the knowledge-based question used grading scale and given a rating of poor, average, o global assessment.
- Open-ended survey responses were analyzed with q statistics; mean composite survey scores were calcu category and compared with Wilcoxon Signed Rank Test.

Kimberly Ference, Pharm.D.; Meagan Mielczarek, PhD.

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Survey Item	Ζ	Significance (two-tailed)*
	Unders	tanding
1	-4.210	0.000
2	-4.018	0.000
3	-3.515	0.000
4	-3.189	0.001
	Perce	ptions
5	-0.433	0.665
6	-0.503	0.615
7	-1.328	0.184
8	-3.216	0.001
9	-2.398	0.000
10	-2.400	0.016
11	-4.247	0.000
12	-3.579	0.000
13	-4.455	0.000
14	-4.595	0.000
15	-2.239	0.025
16	-3.089	0.002
17	-3.982	0.000
18	-1.713	0.087
	Confi	dence
19	-3.108	0.002
20	-2.798	0.005
	Opin	ions
21	-2.504	0.012

 
 Table 1: Pre- and Post- Survey Item Results
 \* p-value <0.05 represents a significant value



There was no statistical difference in numerical or global scores for preand post-surveys in the knowledge-based assessment. Students showed improvement in all pre-global scores: average increased to clear (6/6=100%) and most pre-global poor scores saw improvement to average or clear (9/10=90%).

# RESULTS

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**NESBITT SCHOOL OF PHARMACY** 

## **RESULTS (CONTINUED)**

student audience members assessed the symposium. nembers agreed that the presentations at the

be used to make change in the services I provide in professional career path (mode=5, IQR=3-5) help me improve my written and/or verbal

nmunication skills when discussing systemic racism ode=5, IQR=3-5)

ere helpful (mode=5, IQR=4-5)

themes emerged from written responses:

	Representative Quotes
ism	"I was impressed by the level of knowledge and professionalism."
n	<i>"I thought the combination of student and professional presentations was excellent."</i> <i>"The students shared some impressive data and advocacy strategies."</i> <i>"Student presentations outstanding! Amazing!</i> <i>Excellent opportunity for students to learn about this topic and build skills."</i>
<b>g</b>	<i>"It would be great to have handouts or synopses - there was a lot of excellent information."</i>

# DISCUSSION

survey items on the student survey significantly rom pre- to post-survey (except for survey items #5-7 means were high for pre-survey items).

- items (#16 and 17) significantly saw a *decrease* in rom pre- to post- survey.
- due to an inverse relationship between initial eption and overconfidence that diminished as rstanding on such topics grew.
- include: survey fatigue; post survey was completed 3 t-symposium (recall bias); single institution tion; small sample size.
- arch: other quantitative assessments such as patient to assess students' skills; longitudinal impact of SR content throughout the professional pharmacy

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