

## Provider Perception of the Pharmacist Role on an Interdisciplinary Healthcare Team

Jose Rodriguez, Riley Clark, Kelsey Floerchinger,  
Hailey Tweden, T. Michael Farley PharmD, FHM

### BACKGROUND

- As the prevalence of pharmacists on the healthcare team is increasing there is little research to support their impact from the hospitalist's perspective.
- Previous studies relating to this topic include one by ACCP<sup>1</sup> with results that interaction between pharmacists and providers is provider initiated 68% of the time.
- Another study looked at the impact pharmacists make on a palliative care<sup>2</sup> team and oncology unit<sup>3</sup>. Both of which favored pharmacists on an interdisciplinary team.

### OBJECTIVE

- Investigate hospitalists perceptions of pharmacists, specifically potential impacts pharmacists make.

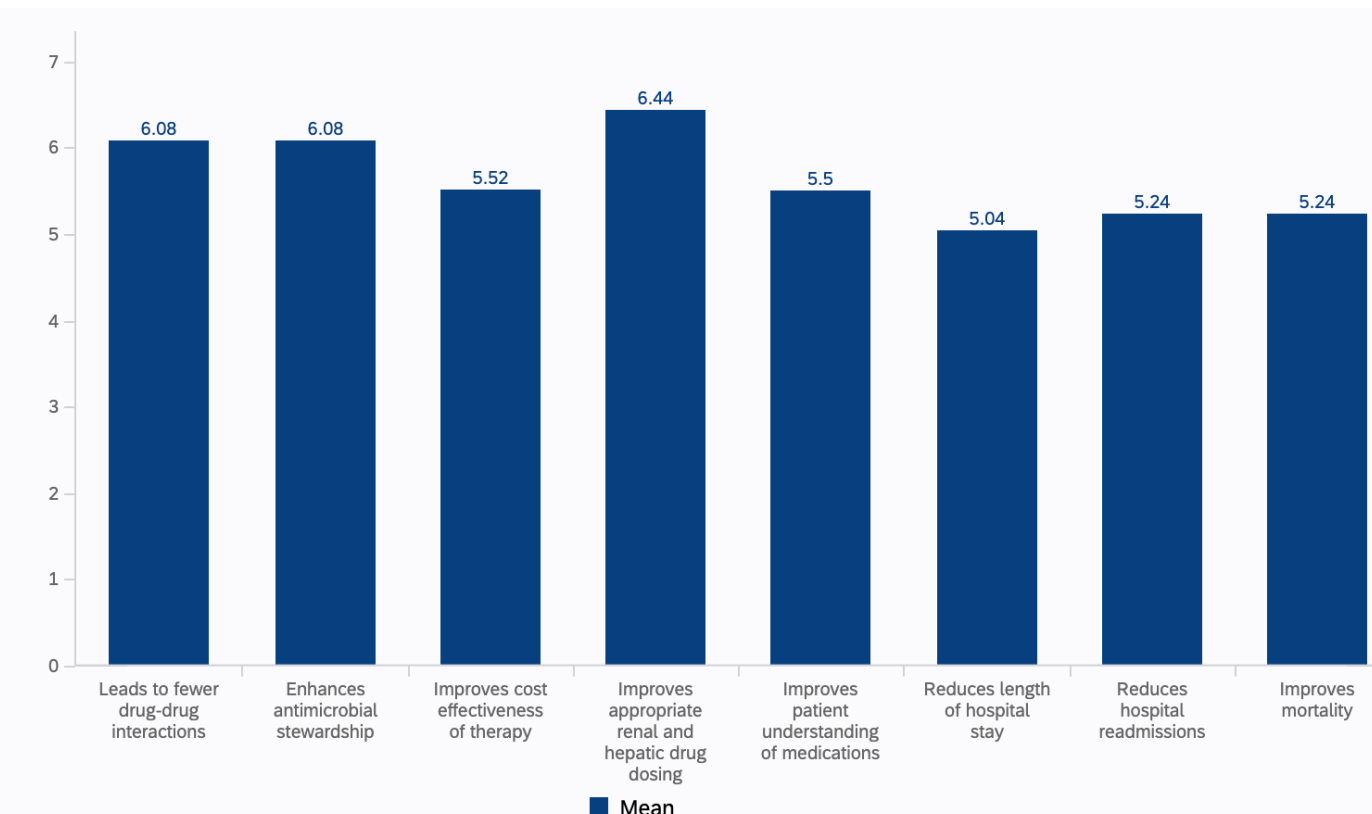
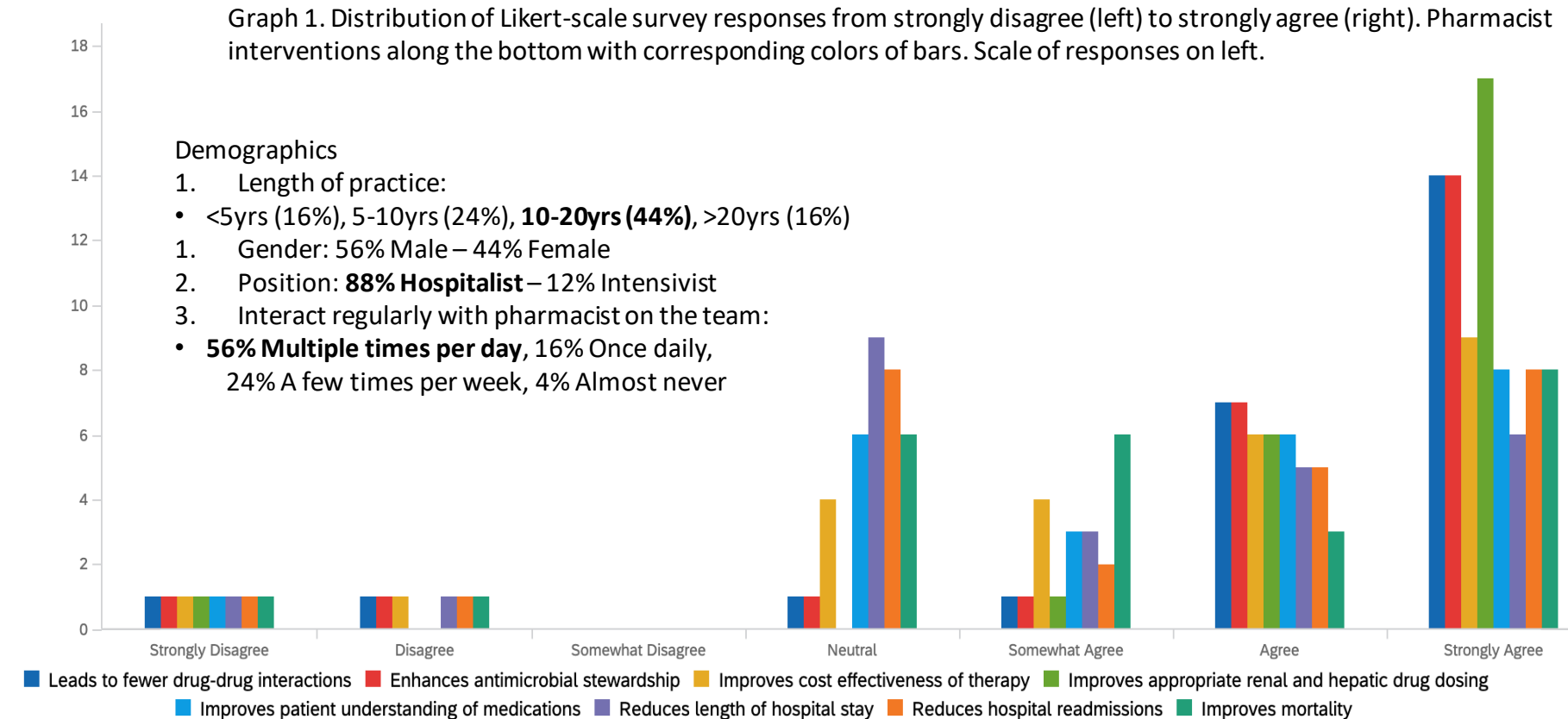
### METHODS

- Completed a literature review from secondary literature databases to identify previous studies regarding pharmacist and provider interactions within the healthcare team.
- Compile a list of demographic and pharmacist intervention questions to choose from.
- Determine inclusion criteria: currently practicing within a hospital and interact with a pharmacist.
- Define length of survey and select questions to be included. Determine scale used to quantify results and tool for survey collection.

### SURVEY

- Survey was sent via email to 3 hospitals in the Iowa City and Cedar Rapids area. A total of 50 participants that met inclusion criteria were sent the survey, 25 participants responded.

### RESULTS



Likert Scale- Value Conversions

- Strongly Disagree = 0
- Neutral = 4
- Strongly Agree = 7

Graph 2. Pharmacist intervention along the bottom with the mean value along the Y-axis.

### DISCUSSION

- The highest mean was 'Improves renal and hepatic dosing'. This demonstrates the trust hospitalists put in pharmacists for appropriate and safe dosing.
- The question with the most neutral responses and lowest mean was 'Reduces length of hospital stay'. This could be because this outcome is hard to measure, and the pharmacists may not have a direct impact but participate in underlying interventions.
- Overall, all responses had a mean over 5 which is in the positive response category.

### LIMITATIONS

- Due to keeping the survey short we were limited to the amount of details gathered about specific demographics or other pharmacist interventions.
- Our survey was unable to obtain specific feedback regarding each intervention due to the Likert-scale style of choosing disagree and agree categories.
- Number of responses was low numerically due to few locations receiving the survey.

### CONCLUSION

- The average responses of perception of pharmacist interventions were in the agree category. This supports the idea that having a pharmacist on the healthcare team provides significant benefit to patient and hospital outcomes.
- This can be used in future clinical decisions for including a pharmacist on the team.

### REFERENCES

- Olin, Jacqueline & Anderson, Sarah & Helwig, Thaddeus & Jenkins, Antoine & Craven, Robert & Touchette, Daniel. (2020). Characterization of Clinical Pharmacist and Hospitalist Collaborative Relationships. Journal of the American College of Clinical Pharmacy. 10.1002/jac5.1314.
- Wolf C, Dörje F, Klein C, Ostgathe C. Apotheker auf der Palliativstation: Auswirkung auf Arzneimitteltherapie und Therapiekosten [Clinical pharmacists in palliative care: effects on drug therapy and drug expenses]. Schmerz. 2019 Dec;33(6):533-538. German. doi: 10.1007/s00482-019-00405-4. PMID: 31463583.
- Segal EM, Bates J, Fleszar SL, Holle LM, Kennerly-Shah J, Rockey M, Jeffers KD. Demonstrating the value of the oncology pharmacist within the healthcare team. J Oncol Pharm Pract. 2019 Dec;25(8):1945-1967. doi: 10.1177/1078155219859424. Epub 2019 Jul 9. PMID: 31288634