

What All Community Pharmacists Should Know About Veterinary
Pharmacy and the Impact of an Educational Intervention
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# SCHOOL OF PHARMACY

# BACKGROUND

Many pharmacists and veterinarians remain unaware of the benefits pharmacists can provide for veterinarians, animal patients, and caregivers due to lack of education

 In a 2020 survey, 85% of pharmacists and 83% of veterinarians agreed it is important that pharmacists have adequate veterinary medicine knowledge <sup>1</sup>

## PURPOSE

To provide education to community pharmacists and pharmacy students on common veterinary pharmacy practices and their role in an effort to bridge the educational gap between pharmacists and veterinarians.

## METHODS

#### Study Design

 Cross-sectional study conducted through a preand post-survey completed by participants before and after a one-hour educational session

#### Study Population

- Community pharmacist or pharmacy student
   Study Measures: Dependent Variables
- Primary Outcome: Change in pharmacist and pharmacy student knowledge and comfortability in veterinary collaboration
- Secondary Outcome: Change in pharmacist's knowledge and comfortability in veterinary collaboration

## Study Measures: Independent Variables

Baseline characteristics

### Baseline Characteristics (n=13)

- 5 students; 8 pharmacists
- Practicing in MO, KS, TN, GA, IL, MS, NY
- Level of prior veterinary pharmacy knowledge
- None: 1
- Very Little: 5
- Adequate Amount: 4
- Sufficient Amount: 2

## RESULTS

- Prior veterinarian collaboration: 8
- Medication information and general assistance: 4
- Compounding: 2
- Veterinarian hospital duties: 1
- Number of animal prescriptions/day
- o 0: 7
- o 5-10: 2
- o 10+: 4

Pre-Survey Results (n=12)  My practice can provide beneficial support to veterinarians.					Post-Survey Results (n=12)  My practice can provide beneficial support to veterinarians.				
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I am comfortable collaborating with a veterinarian to reach patient centered goals.					I am comfortable collaborating with a veterinarian to reach patient centered goals.				
Strongly Disagree 0	Disagree 1 (8%)	Neutral 3 (25%)	Agree 5 (42%)	Strongly Agree 3 (25%)	Strongly Disagree 0	Disagree 0	Neutral 1 (8%)	Agree 7 (67%)	Strongly Agree 4 (33%)
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Following the conclusion of the educational intervention, there was an increased number of participants who felt they could provide beneficial support to veterinarians, who were more familiar with veterinary pharmacy services and animal medicine laws and regulations, were more comfortable with animal medication resources and collaborating with a veterinarian.

83% of participants also wanted to learn more about veterinary pharmacy

## LIMITATIONS

- Small sample size
- Single one-hour session
- Limited to information determined to be most important by presenters
- Some participants already had adequate knowledge of veterinary pharmacy services

## CONCLUSIONS

- An educational intervention increased knowledge and comfortability of a community pharmacist and pharmacy student in their role in veterinary medicine
- Community pharmacists and pharmacy students want to learn about veterinary pharmacy
- More studies need to be done to assess the benefits of veterinarian and pharmacist collaboration to support the need for veterinary medicine education within pharmacy programs

## REFERENCES

1. Fredrickson, M. E., Terlizzi, H., Horne, R. L., & Dannemiller, S. (2020). The role of the community pharmacist in veterinary patient care: a cross-sectional study of pharmacist and veterinarian viewpoints. Pharmacy practice, 18(3), 1928. https://doi.org/10.18549/PharmPract.2020.3.1928