

# Ticket to Pass: Intensive Multistate-Pharmacy-Jurisprudence-Exam (MPJE) Prep with Assessment Opportunities at End of Pharmacy Curriculum

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## BACKGROUND

Pharmacy law as assessed by the Multistate Pharmacy Jurisprudence Exam (MPJE) is essential to pharmacy graduates but pass rates nationwide have recently declined.

### OBJECTIVE

The objective of this study was to evaluate an implemented strategy to prepare students for the MPJE.

## METHODS

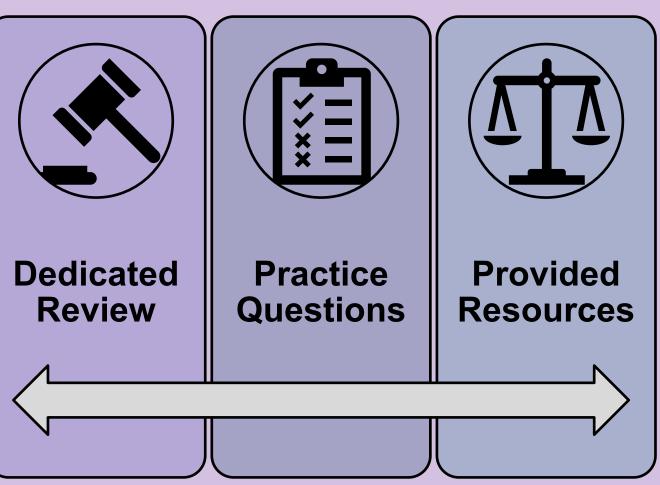
- An intensive MPJE preparation strategy was incorporated into a capstone course offered at the end of P4 year in Spring 2023.
- Four in-person, two-hour sessions with faculty review of key concepts from an MPJE prep textbook were completed.
- After each session, students attempted an at-home, ungraded quiz consisting of high-difficulty, faculty-developed questions.
- Finally, the NABP Pre-MPJE was administered at the end of the capstone course as an additional practice opportunity.
- The comparator strategy offered in Spring 2022 was one review session in the capstone course without assessment opportunities.
- **Descriptive statistics were used to compare MPJE first-time pass** rates between the Class of 2022 and Class of 2023 as well as quiz results from the intensive preparation strategy.

## REFERENCES

- Havrda DE, et al. Am J Pharm Educ 2022;86(7):8774.
- Mospan G, et al. Curr Pharm Teach Learn 2020;12:35-40.
- Rosenberg et al. Am J Pharm Educ 2020;84(2):7172

## **CONTACTS & DISCLOSURES**

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- No conflicts of interest or disclosures



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# We do them no favors making it easy!

Write difficult questions for practice opportunities. Consider use of select-all-that-apply, k-type, ordered, and other common MPJE styles.



**First-time MPJE pass rates for the class of 2023 (intervention) was** higher than the class of 2022 (control) and also demonstrated improvement for both state and national comparators.

First Time Pass Rates	FWSOP % (n)	State % (n)	Relative Percent Difference	National % (n)	Relative Percent Difference
Class of 2023	82.3 (62)	80.3 (365)	+ 2.5%	72.2 (10988)	+ 14.0%
Class of 2022	60.9 (64)	80.1 (387)	- 17.4%	73.7 (14202)	- 24.0%

Scores from the four ungraded quizzes in the intervention year documented the difficulty of the faculty-developed questions with an average accuracy of 44.8% and a KR20 of 0.91.

	Number of Questions	Number of Students	Minimum	Mean	Maximum	KR20
Quiz 1	56	52	7.1%	48.7%	85.7%	0.89
Quiz 2	45	55	16.3%	48.0%	93.3%	0.89
Quiz 3	72	47	6.3%	34.6%	81.3%	0.91
Quiz 4	57	27	10.5%	48.0%	80.7%	0.94
Avg	57.5	45.3	10.0%	44.8%	85.3%	0.91

## CONCLUSIONS

- The intensive MPJE review coupled with robust assessment opportunities was associated with higher MPJE pass rates.
- Although multiple variables are associated with pass rates, students may benefit from an intensive review prior to graduation.
- Safe opportunities for failure such as ungraded quizzes or access to the pre-MPJE may be beneficial for future students as part of their exam preparation strategies.

## How can we support students for success on the MPJE?

