



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

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- Mospan G, et al. *Curr Pharm Teach Learn* 2020;12:35-40.
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CONTACTS & DISCLOSURES

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How can we support students for success on the MPJE?



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.

RESULTS

- 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.