

Comparison of Pre-NAPLEX Performance and Pharmacist Licensure at a Doctor of Pharmacy Program

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Purpose

- The Pharmacy Curriculum Outcomes Assessment (PCOA) was utilized to provide student performance information about Doctor of Pharmacy (PharmD) curricula across the United States.
- This assessment was used by some schools/colleges to potentially predict North American Pharmacist Licensure Examination (NAPLEX) success post-graduation.
- However, due to phase out of the PCOA, schools/colleges may be evaluating other options to assess student curricular performance.¹
- The objective of this study is to analyze relationships between Pre-NAPLEX performance and pharmacist licensure at a school of pharmacy.

Methods

- This is a retrospective study analyzing performance of PharmD students on the Pre-NAPLEX assessment towards both the end of the third year (P3) and end of the fourth year (P4) of the PharmD curriculum, compared to presence of pharmacist licensure by February 29, 2024, and time from graduation to pharmacist licensure.
- Presence and date of licensure were validated by license search on public state board of pharmacy websites.
- Pearson correlation coefficients (r) were calculated for each set of compared results utilizing Microsoft Excel.

Results

- Forty-six Class of 2023 PharmD students were included in the analysis.
- Students took the Pre-NAPLEX in April 2022 (towards the end of P3 year) and again in May 2023 (towards the end of P4 year).

Table 1. Mean Pre-NAPLEX Scaled Scores (Standard Deviation)

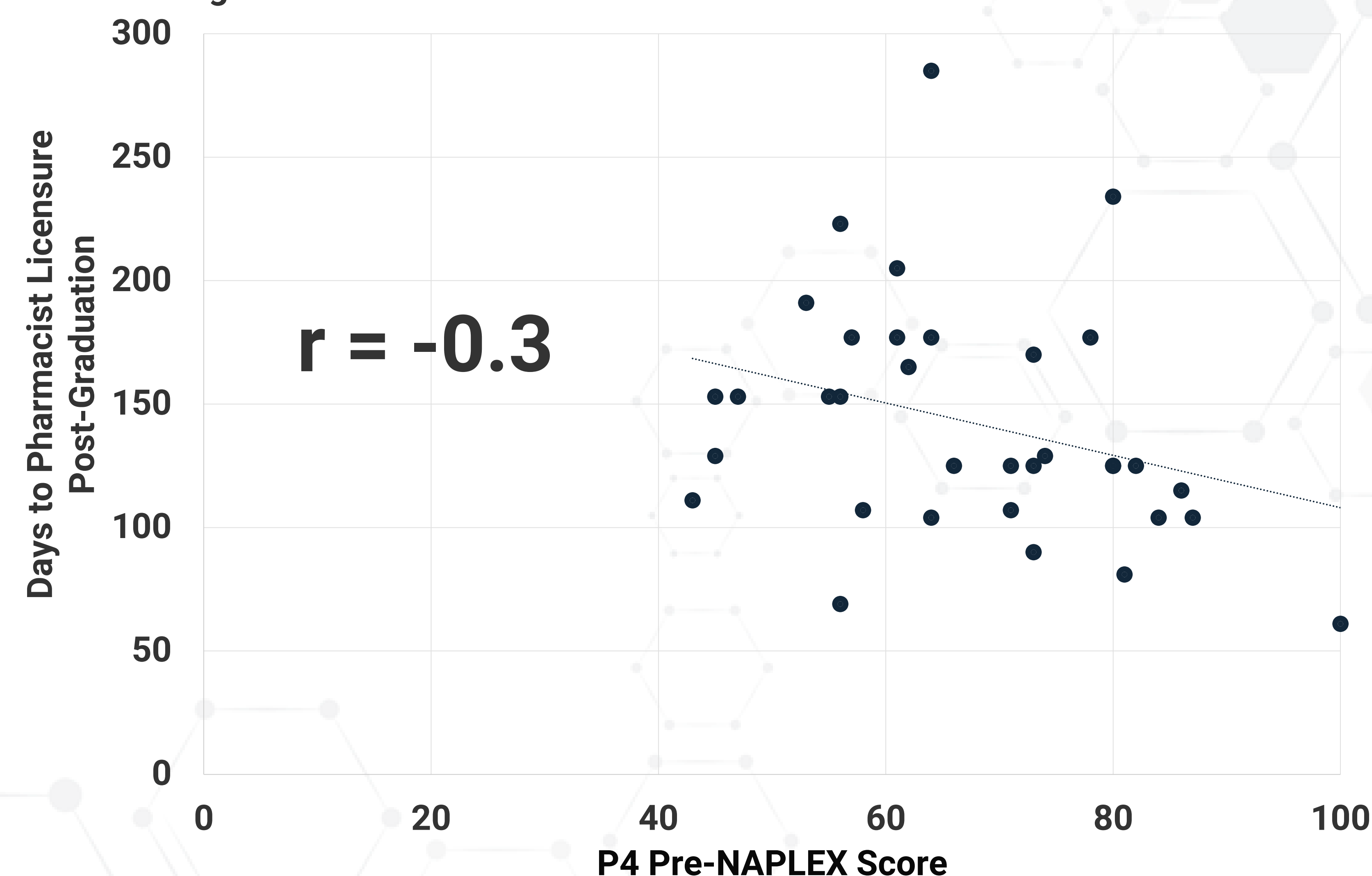
P3 Year (April 2022)	56.5 (15.6)
P4 Year (May 2023)	63.5 (14.7)

Table 2. P3 and P4 Pre-NAPLEX Performance Versus Presence of Pharmacist Licensure

P3 Year (April 2022)	r = 0.37
P4 Year (May 2023)	r = 0.39

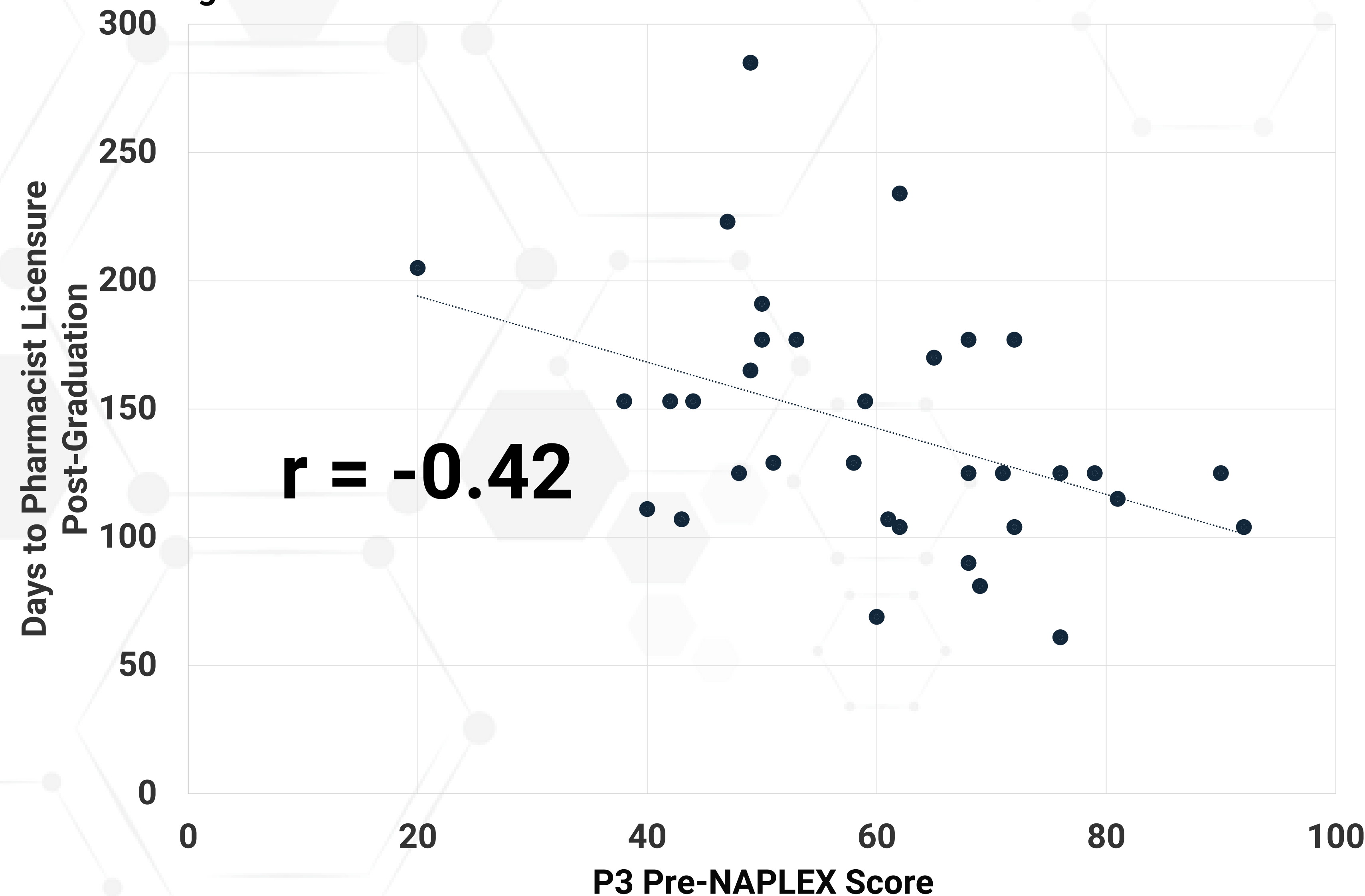
Results (Continued)

Figure 2. P4 Pre-NAPLEX Performance Versus Time to Pharmacist Licensure



Results (Continued)

Figure 1. P3 Pre-NAPLEX Performance Versus Time to Pharmacist Licensure



Conclusions

- There is a degree of correlation that exists between P3 and P4 Pre-NAPLEX performance and pharmacist licensure.
- Data assessed will provide additional information to inform future curricular changes.

Reference:

1. *Currents in Teaching and Learning* 2020;12(7):771-5.

Disclosures: The authors of this presentation have nothing to disclose.

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