

The Impact of School-Based Clinical Experience on Medical Student Education



WAYNE STATE
School of Medicine

Nicole White BS¹, Malik Hindawi BS¹, Eva Waineo MD¹, Rebecca Klisz-Hulbert MD^{1,2}

¹Wayne State University, Detroit, MI, ²Detroit Medical Center, Detroit, MI

INTRODUCTION

- Nationally, the number of child and adolescent psychiatrists does not meet the current treatment needs of this patient population.
- There is limited research on experiences which impact medical student interest in Child and Adolescent Psychiatry (CAP).
- Prior research shows early experiences in CAP are useful, however little research currently exists regarding their potential impacts.

METHODS

- Medical students that participate in a clinic integrated within the setting of a local high school (aka "school clinic") as part of their psychiatry clerkship or elective are provided with an optional, anonymous, IRB approved Qualtrics survey to assess their experiences.
- The survey questions gauge medical students' interest in working with adolescents in the future, interest in the field of CAP, and whether they feel the experience improved their patient interview skills.
- Participants are additionally asked to describe what was valuable about the experience, suggestions for improvement, and the optimal length of time and year of training.
- At the conclusion of the data collection phase, the results will be analyzed and used to assess the utility of the school-based educational experience.

SURVEY QUESTIONS

Training Level/Baseline Interest

- At which high school did you rotate? (list)
- What training phase describes you during your experience at the school clinic?
- Prior to this rotation, had you considered pursuing psychiatry residency training?
- Prior to this rotation, had you considered a child psychiatry fellowship?

Overall Experience

- This experience added educational value to my medical education.
- I observed meaningful interactions between the residents/fellows/faculty and patients.
- I participated in meaningful interactions with the patients.
- This was a valuable experience in terms of developing my interview skills with adolescent patients and their caregivers.
- This was a valuable experience learning how to ask difficult questions.
- This was a valuable experience in terms of developing my skills in appropriately expressing empathy in patient encounters.
- This was a unique experience I would not otherwise have encountered in my medical education. (True/False)
- Mark all which you were exposed to during your experience at the school clinic

Impact

- Having completed this rotation, are you now considering pursuing psychiatry residency training?
- Having completed this rotation, are you now considering a child psychiatry fellowship?
- Select all residency specialties that are you currently considering applying to? (large list)
- This experience expanded my understanding of where I can practice medicine in the future.
- How did this experience contribute towards your desire to work with children/adolescents in your future as a physician?
- What has been most valuable about your participation in the school clinic?

Logistics/Improvement

- At what level of training would this experience best fit? Please rank your top 3 choices (1st, 2nd, 3rd)
- How much time did you spend in the school-based clinic?
- What is the optimal amount of time to spend over the course of a month in the school-based clinic for a future medical student?
- What are two ways that this experience can be further improved for future students?

RESULTS

- This project is currently in the data collection phase, with plans for future data analysis.
- Preliminary results for analysis will be available beginning in January of 2023.

DISCUSSION

- The overall purpose of this project is to receive feedback directly from medical students to evaluate the utility of the educational experience in which they participated, its impact on interest in working with patients in the future, and ways to improve the experience for future medical student education.
- We hope to achieve the following:
 - Understand how participation in this experience affected medical student self-reported skills and career goals
 - Understand how medical students rated the utility of this educational experience
 - Inform effective ways to improve the experience for future medical students

REFERENCES

1. Lempp et al., 2014, doi: 10.1176/appi.ap.10120173
2. Malloy et al., 2014, doi: 10.1176/appi.ap.32.5.350