



## INTRODUCTION

- Patient safety (PS) and quality improvement (QI) have been identified by the Association of American Medical Colleges (AAMC) as key competencies for graduated medical students and practicing physicians<sup>1</sup>
- Additionally, PS/QI topics are tested on each of United States Medical Licensing Examination (USMLE) Step examinations<sup>2</sup>
- Despite the importance of PS/QI in medical education, there is a lack of opportunities for students to engage in meaningful projects in these areas
- Based on this need, Wayne State University School of Medicine's (WSUSOM) Institute for Healthcare Improvement (IHI) student group developed the Innovations Hub
- This initiative provides student organizations resources to develop PS/QI projects specific to the unique challenges they face
- The **goal** of this study is to evaluate the effectiveness of the IHI Innovations Hub Pathway in completing a Quality Improvement project with a WSUSOM student organization

## METHODS

- An **on-boarding pre-survey** was created and sent to WSUSOM student organizations inquiring into the difficulties they face
- Cass Clinic, a student-run free clinic, responded to the survey and expressed interest in utilizing the Innovations Hub
- Next, the IHI innovations team and student clinic held an **on-boarding meeting**
- This was followed by a **literature review and strategy discussion** in a subsequent meeting
- We then engaged in a **clinic site visit** to identify areas of improvement in the current workflow.
- Next, we proposed a protocol to the IHI Innovation council and collected feedback
- We subsequently initiated the innovation and analyzed the results

## FIGURES

### IHI INNOVATIONS HUB PATHWAY

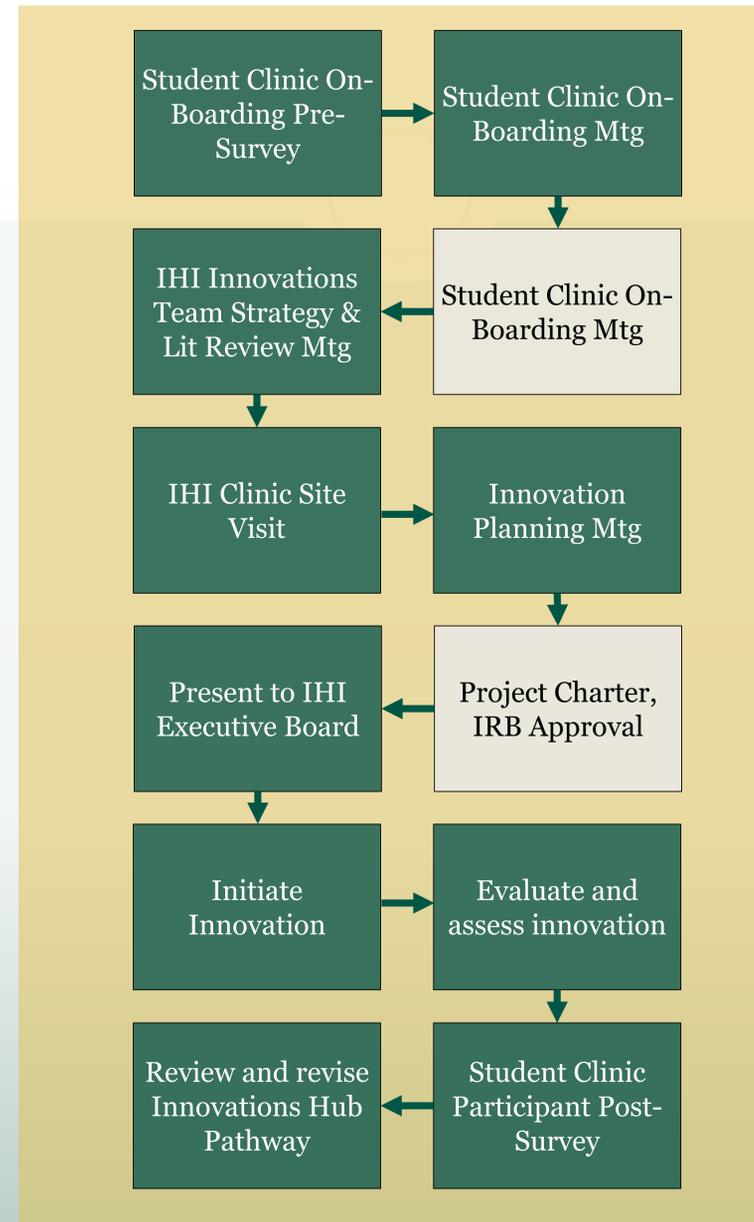


Figure 1

## RESULTS AND CONCLUSION

- The Innovations Hub fosters an experiential learning process by facilitating completion of a student-led PS/QI project
- Adherence to the Innovations Hub pathway resulted in the **successful completion** of a student clinic PS/QI project
- This trial run identified **areas of the pathway to streamline** and improve for future iterations
- Throughout the trial run, specific milestones were added to the pathway, including the creation of a project charter, submission of an IRB application, and data aggregation
- The Innovations Hub pathway was **effective at coordinating and managing a PS/QI project** and bringing value to a student-run free clinic
- This innovation has advanced and diversified IHI's ability to disseminate education on QI/PS at WSUSOM. QI/PS integration into clubs and clinics provides a route of transmission additional to integration into clinical education<sup>3</sup>.
- Our student-clinic innovation model fosters a space for medical students to deliver QI/PS projects to better serve vulnerable patients in our Detroit community.
- **Next steps** include utilizing the pathway in other QI/PS projects with other student organizations

## REFERENCES

1. Association of American Medical Colleges (AAMC). *Quality Improvement and Patient Safety Competencies Across the Learning Continuum*. AAMC New and Emerging Areas in Medicine Series. Washington, DC: AAMC; 2019.
2. Federation of State Medical Boards of the United States, Inc. (FSMB) and National Board of Medical Examiners (NBME). *USMLE Content Outline*. FSMB and NBME; 2021.
3. Teigland, C.L., Blasiak, R.C., Wilson, L.A. et al. Patient safety and quality improvement education: a cross-sectional study of medical students' preferences and attitudes. *BMC Med Educ* 13, 16 (2013). <https://doi.org/10.1186/1472-6920-13-16>