**Practicum Summary Report**

Name: Tyler Anstett  
Team Members: Tyler Anstett, Matt Hoegh  
Project Title: Enhancing Learning and Teaching of Residents on Night-Float Rotations: Creating a Standardized Feedback Tool  
University/Organization Name: University of Colorado Hospital Medicine Training Program  
Health System Sponsor Name: University of Colorado Hospital Medicine Group

### Aim of project (1-2 sentences)

Improve resident learning on night rotations at University Hospital through implementation of a structured feedback system that will provide residents information regarding clinical decisions and documentation. By May 2015 80% of H&Ps performed at night to participating services will have feedback from day-time attendings.

### Planned changes tested (2-3 sentences)

We sought to improve feedback through creation and validation of a structured feedback tool. This came in the form of a paper form filled out by day-time attendings given to admitting residents at night. We implemented this form in several ways, eventually devising a system of physical binders. We also collected data on residents perceptions of their learning on night rotations using a monthly survey and tracked changes overtime with implementation of the feedback tool.

### Predictions (2-3 sentences)

We predicted the feedback tool would be well accepted and appreciated by residents and that it would increase the educational value of night-float rotations. We also expected the process would be difficult to implement, particularly using a paper form that requires exchanges between multiple people to achieve completion.

### Results

Present your results with a graph(s).

See separate document: Preliminary Results of Nighttime Feedback Project:  
1. Run chart - forms completed by percentage of H&Ps to participating services.  
2. Spider plot of learners perception of night-float rotations.

### Summary of results (3-4 sentences):

By PDSA #3 the project achieved an average of 35% feedback on all admissions to participating services, however the response was not sustained. Each feedback form took an average of 3.7 minutes for attendings to complete. Residents felt the feedback was helpful, in particular the written portions of the form. Overall residents felt that the feedback improved the overall educational value of night shifts.

### Learning (4-5 sentences)

Comparison of questions, predictions, and analysis of data:  
The predictions generally matched the outcomes that residents felt the feedback was useful and improved the educational value of night rotations. Additionally, implementation proved difficult. In particular, getting attendings to consistently fill out the forms was difficult. This was likely multifactorial including coordination of getting the forms from the residents to the attendings and reminding the attendings to fill out the forms. Additionally, the process getting the forms back to the residents and then back to project coordinators was cumbersome.
Impact on systems (3-4 sentences)
Discuss the project’s significance on the local system and any findings that may be generalizable to other systems:

As evidenced by our survey data, this project improved residents perceptions of the educational value of performing night admissions. While the process is not likely sustainable, the idea seems to be welcomed. If an adequate process is achieved, this system could be used across other hospitals and training institutions that have residents admitting patients at night without presenting them in the morning to daytime attendings.

Conclusions (3-5 sentences)
Summarize the outcome of the project. Is this project sustainable? What are the requirements for sustainability?

Through this project we were able to successfully devise a form that provided feedback to residents performing admissions at night which prior to this project occurred only rarely. With the increase in feedback residents felt the overall educational value of night time rotations improved. However, because of the lack of continuity between daytime and nighttime providers and the high demand placed on project coordinators the project in its current form is not sustainable. To be sustainable feedback initiation should be automatic and not require prompting. Additionally, an electronic form would facilitate transfers and to help coordinators collect and collate the information.

Reflections/Discussions (5-7 sentences)
Discuss the factors that promoted the success of the project and that were barriers to success. What did you learn from doing this project? What are your reflections on the role of the team?

See separate document entitled Practicum Summary Report - Reflections/Discussions

By signing this document (electronic signature is acceptable), I attest that the information provided by the learners in this project is accurate.

LEARNER(S):

Signature: ___________________________  Signature: ___________________________
Printed Name: Tyler J. Anstett  Printed Name: ___________________________
Area of Study: Internal Medicine; Project Coordinator  Area of Study: ___________________________

Signature: ___________________________  Signature: ___________________________
Printed Name: ___________________________  Printed Name: ___________________________
Area of Study: ___________________________  Area of Study: ___________________________

Signature: ___________________________  Signature: ___________________________
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Area of Study: ___________________________  Area of Study: ___________________________

FACULTY SPONSOR:

Signature: ___________________________  Signature: ___________________________
Printed Name: Darlene Tad-y, MD  Printed Name: ___________________________
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HEALTH SYSTEM SPONSOR (if different from faculty sponsor):

Signature: ___________________________  Signature: ___________________________
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AUTHORIZATION
Do the learners, faculty sponsor, and health system sponsor authorize this project for publication at www.ihi.org?

☐ Yes  ☐ No