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Developing a 2-Week Surgery Bootcamp: Guided by a Needs Assessment of Aspiring General Surgeons

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Introduction

- Concern from program directors and graduating students over lack of preparation for internship^{1,2}
- Bootcamp programs improve student confidence and performance^{3,4}
- The ACS/APDS/ASE Resident Prep Curriculum (RPC) published programming for bootcamp development⁵
 - Institutions must prioritize programming given personnel, facilities, finances, and time resources

Aims and Objectives

- To determine whether a needs assessment comparing incoming interns to graduating residents could identify disparities in preparation
- To identify areas of deficiency for prioritizing educational sessions

Methods

- Participants: OUWB graduating medical students, Beaumont incoming interns
- Surveys asking participants to rate RPC objectives based on a 7-point Likert scale

IRB exempt (#2020-050)



64 RPC objectives in 6 Competencies

- Medical Knowledge and Patient care
- Professionalism
- Interpersonal Skills and Communication
- System-Based Practice
- Practice-Based Learning and Improvement
- Procedural Skills

Results

- 14/15 graduating students and 5/5 incoming interns responded (response rate: 95%)
- Students most prepared in Practice-Based Learning and Improvement (mean 4.8 ± 0.8) and least in System-Based Practice (3.4 ± 1.0)
- ★ Students least comfortable with: billing, performing death certifications, interacting with discharge planners, performing colonoscopy, and dictating/writing notes

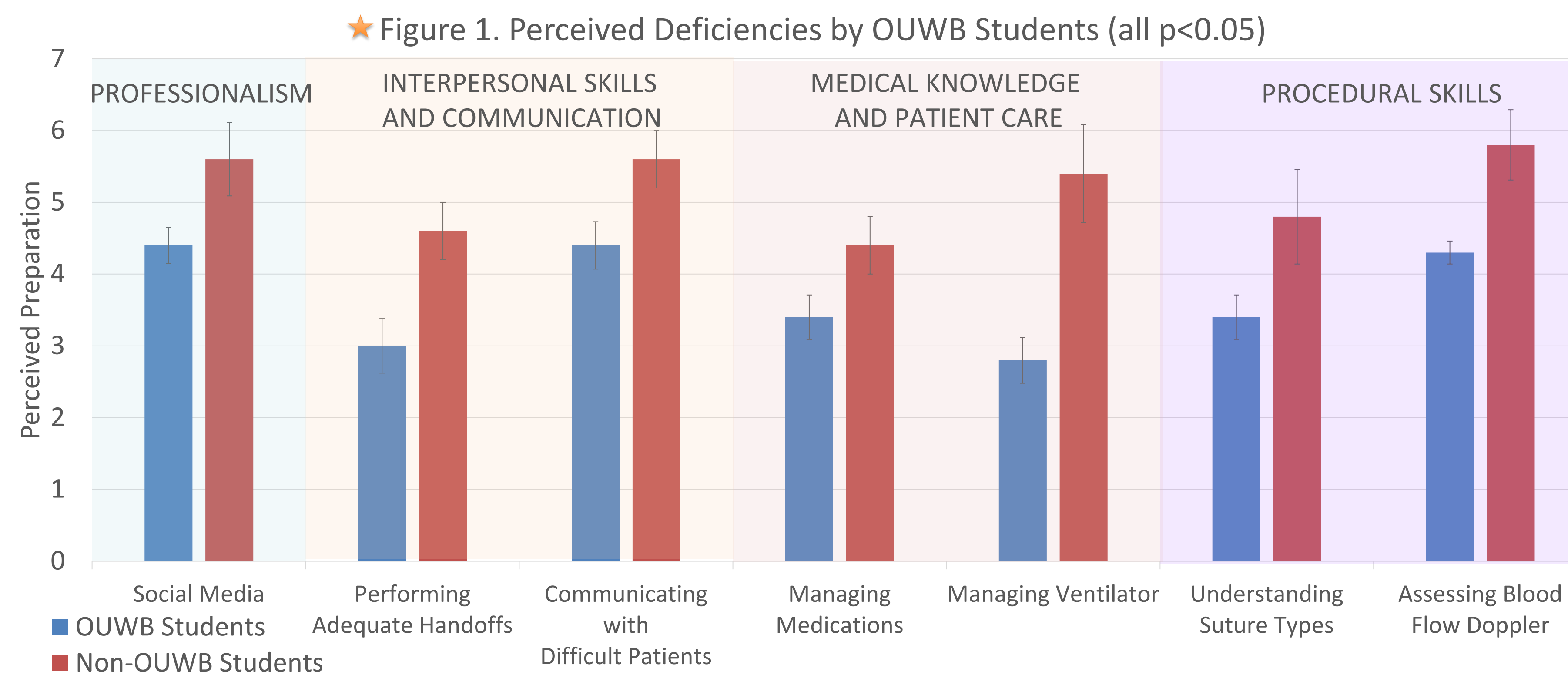
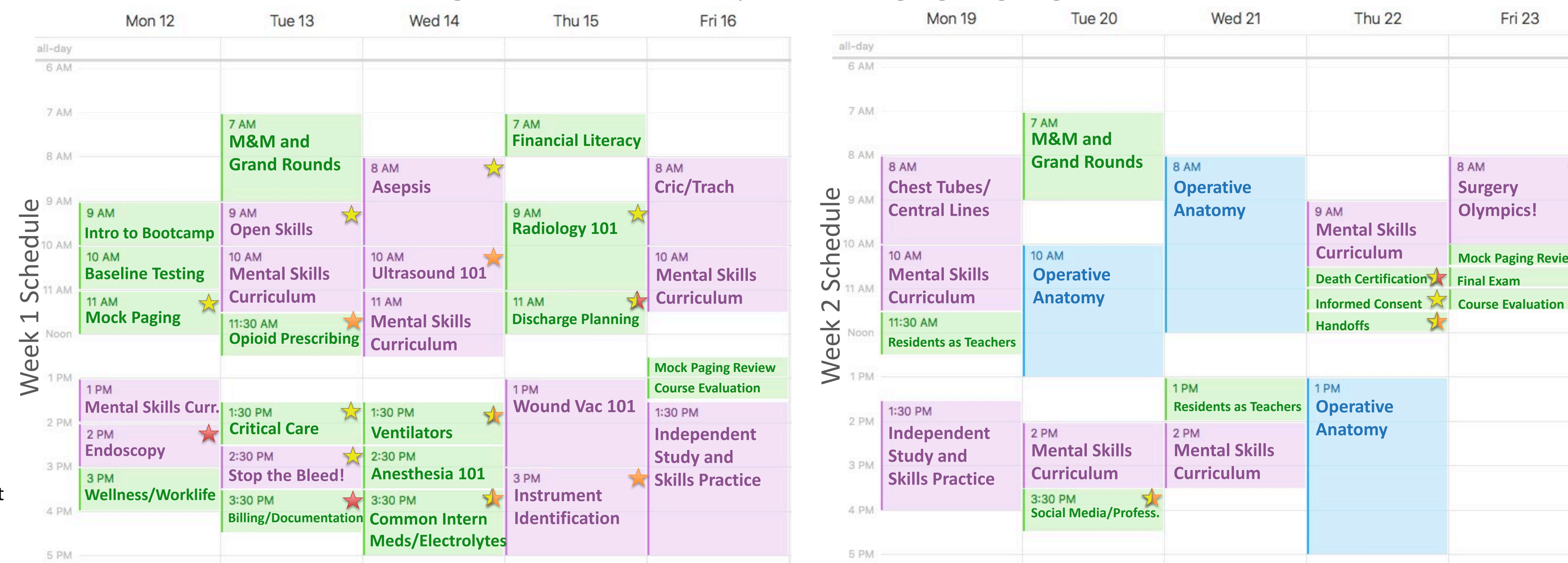


Figure 2. 2-Week Bootcamp Schedule Highlighting Target Areas



SCHEDULE LEGEND

Type of Session:

- Simulation/Technical Skills (Purple)
- Lecture (Green)
- Anatomy (Blue)

Session addresses:

- ★ Areas of least comfort
- ★ Areas of perceived deficiency
- ★ RPC "Essential" Modules

Conclusions

- Needs assessment revealed areas of perceived poor preparation and significant differences between our graduates and incoming interns.
- Areas were emphasized in Bootcamp program development.

Discussion

- Bootcamps should address:
 - Areas of decreased comfort
 - Areas of perceived relative deficiency
 - Essential RPC modules
- Future evaluations will assess the effectiveness of this programming at improving disparities.

References

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