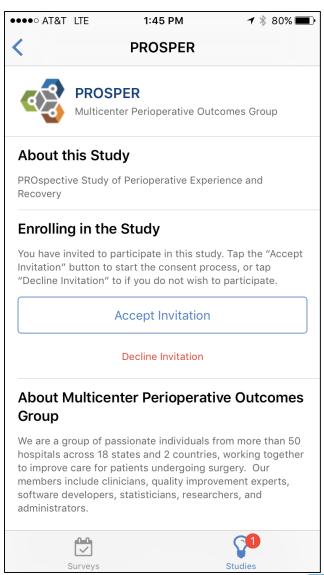
How can we help the patients PROSPER?

PROspective Study of Perioperative Experience and Recovery



Where we are now...

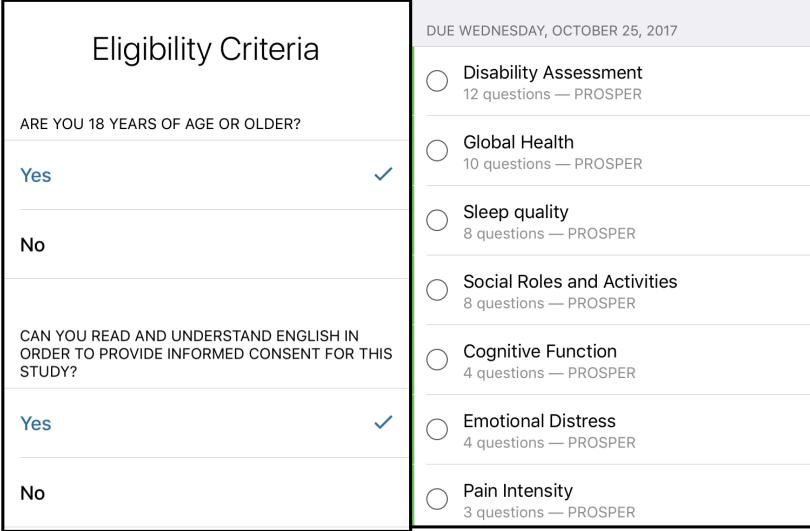
- What about understanding the daily experience?
- Electronic consent, no coordinator required
- IRB approved, study released
- Piloting at U Michigan
- App Store: "MyDataHelps"





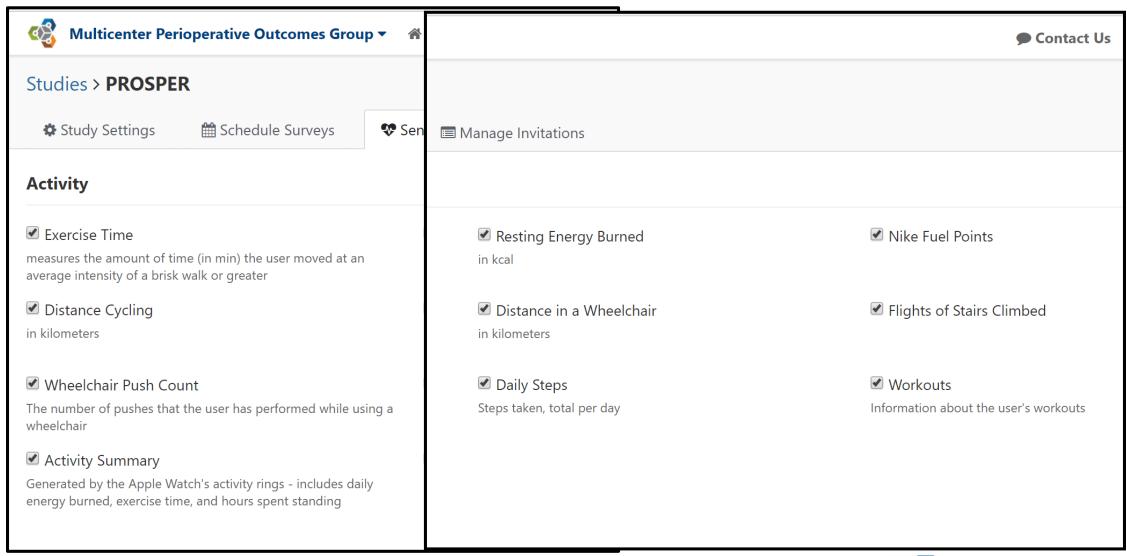
The consent & surveys







Passive information too



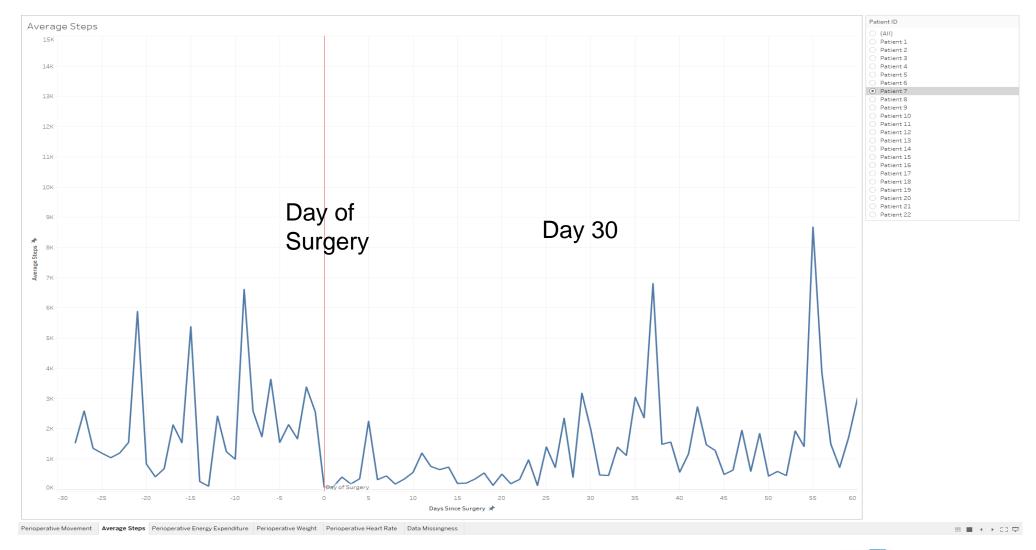


What we have learned

- Passive enrollment is takes very little daily work
- Surgeons are very interested in helping
- IRB has been innovative / flexible with multicenter approach
- The MPOG "spirit" is key your data is your data
- Uptake in pilot mode has been limited, as expected: ~25 patients
- The data...

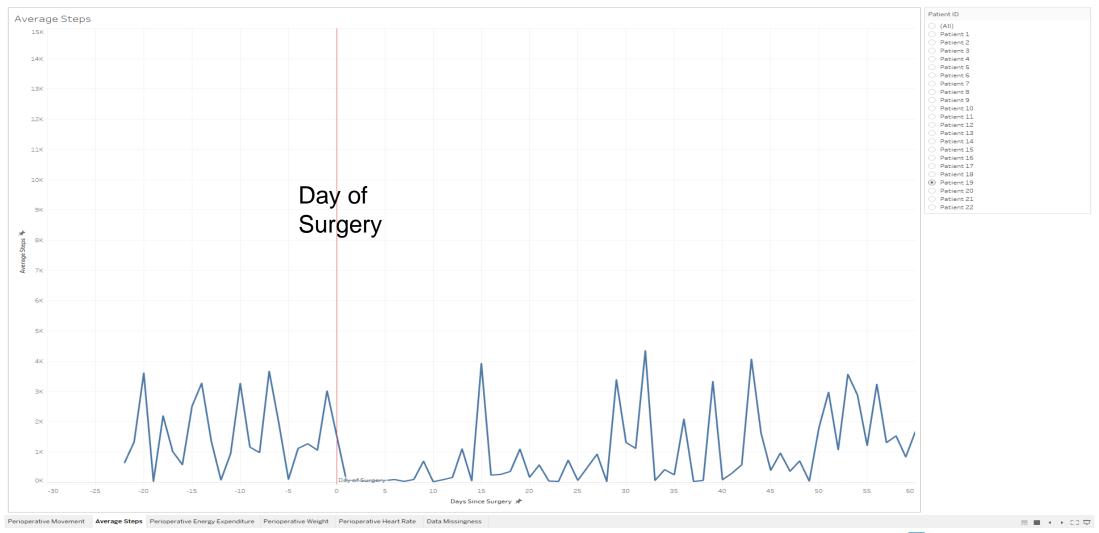


An example patient – steps per day



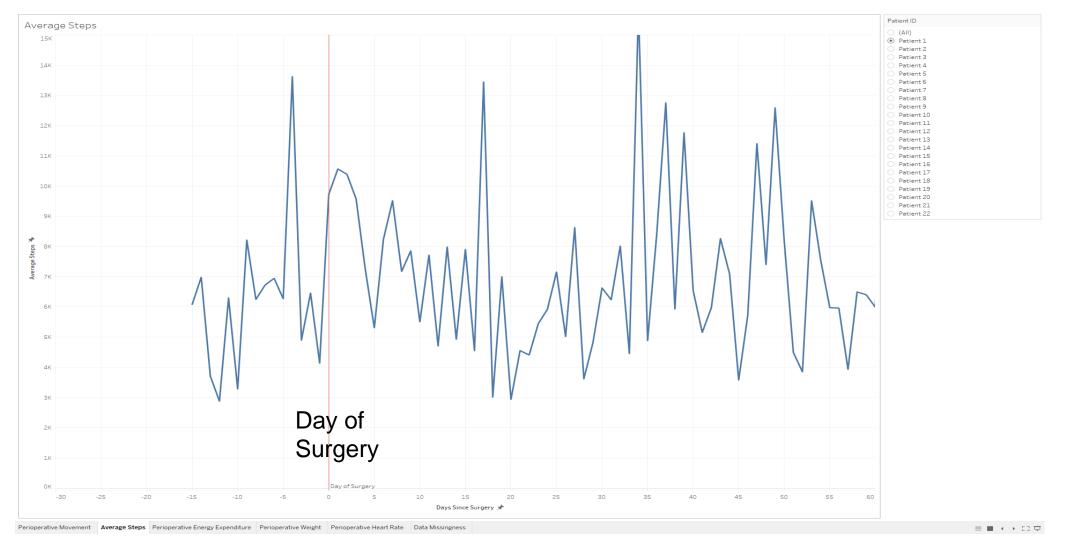


Patient 2 – steps per day



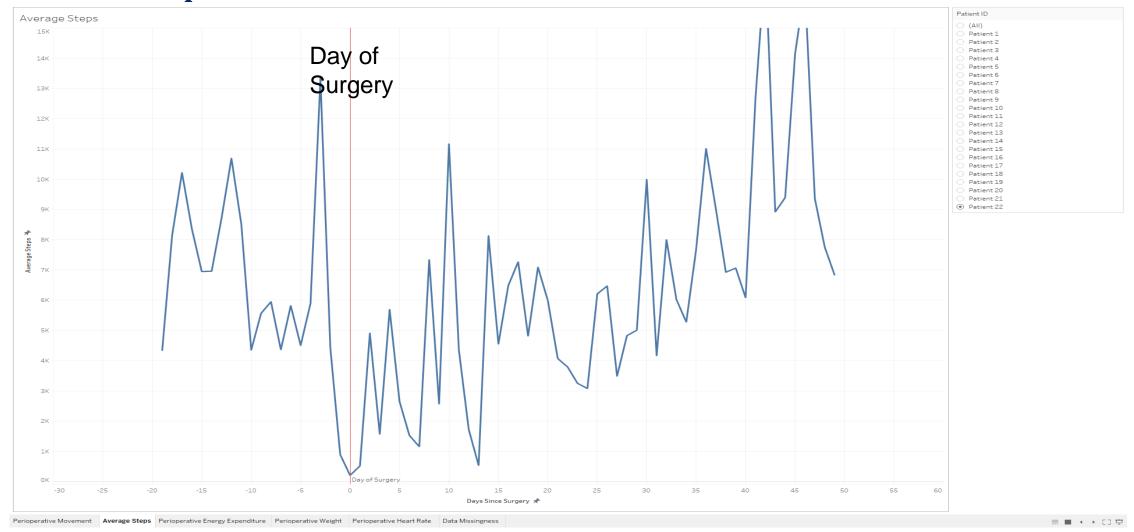


Example patient 3 – steps per day





There is hope...





Next steps for rollout

- Additional hospitals are signed up: University of Virginia & Beaumont Health Michigan
- Continuing passive recruitment strategy for now no additional IRB approval needed
- Should consider active recruitment, distinct IRB at each hospital required
- MPOG spirit key your data is your data
- iPhone and Android apps and surveys ready
 - -Android study in IRB amendment review



The flyer, IRB approved

Participate in a mobile application research study to help us understand how a procedure changes your activity, quality of life, pain, and mood.

- Are you 18 years old or older?
- Are you having a procedure with anesthesia?
- Do you have an iPhone or Android phone?





Ready for your hospital's logo

For More Information Please Contact:

Dr. Sachin Kheterpal

Department of Anesthesiology mpog-prosper@med.umich.edu IRB #HUM00136663

Available exclusively in the Apple App Store and the Google Play Store





What does this app do?

- o Complete health surveys using your mobile phone
- o Track and visualize your recovery
- o Compare your results to other patients

How to enroll:

- 1. Download MyDataHelps from the Apple App Store or the Google Play Store.
- 2. Search for "PROSPER" under the Studies section.

Insert Logo Here





Next steps for analytics

- Linking to perioperative EHR remains key to make meaningful conclusions
- Other signal streams (geolocation, flights of stairs, heart rates) with lower fill rates

- What are digital "phenotypes" of recovery after surgery
- What are the statistics and analytics to describe these "gestalts"
- How do they correlate with active measures



• Questions?

