Data Analytics Update

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Long-Term Outcomes

When will I get back to **baseline**?

What will my **quality** of life be like after I recover?

Am I going to have **pain** for the rest of my life?

Long-Term Outcomes - Questions

- **Unclear baseline**
- **Unclear long-term impact of care provided**
- **Unclear quality of life post-injury**

Long-Term Outcomes – Challenges

- **Abstractor burden**
- **Abstraction cost**
- **Need for validated, meaningful data**
- **IRB approval**
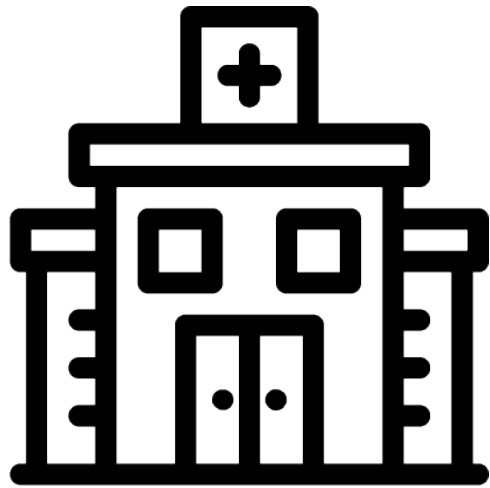
Long-Term Outcomes – Current State

- **Other collaboratives**

Long-Term Outcomes – **Proposed Solution**

- Anesthesia collaborative (ASPIRE) app
- Active and passive data collection
- Employs NIH and WHO validated measures

Long-Term Outcomes – Implementation

Discharge   **App Store**   **MyDataHelps**

Long-Term Outcomes – Security

- **Physical, organizational, technical safeguards**
- **Data encryption during storage and transmission using National Institutes of Standards and Technology (NIST)**

Long-Term Outcomes – PHI

- **ResearchKit consent framework**
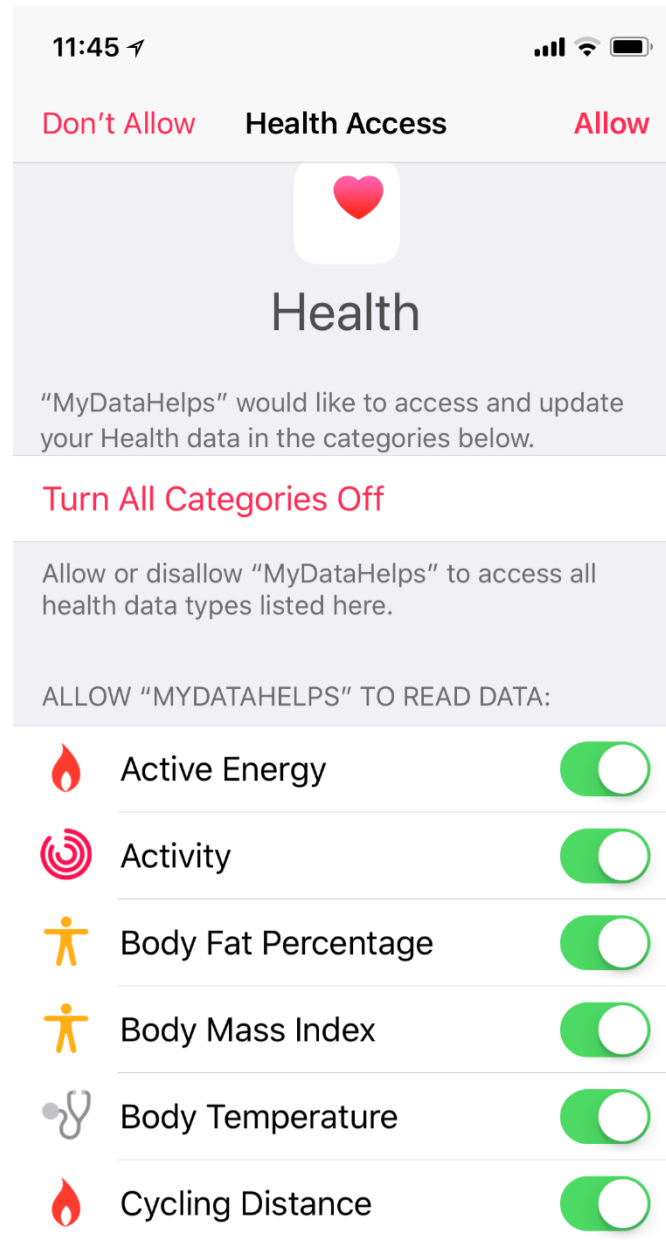
Long-Term Outcomes – Passive Data

Long-Term Outcomes – Passive Data

Long-Term Outcomes – Active Data

Long-Term Outcomes – Next Steps

- IRB amendment (MTQIP coordinating only)
- CareEvolution build
- App info provided to interested centers

Feedback