

PROJECT GOALS

Create new tools for healthcare providers to achieve improved coordination among Perioperative Services (periop) departments by

- Improving individual workflows
- Resolving systemic issues
- Changing staff behavior





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CREATING LEARNING SYSTEMS WITH MOBILE TECHNOLOGY TO IMPROVE COORDINATION IN PERIOPERATIVE SERVICES

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RESEARCH OBJECTIVES

- . Enhance communication and coordination among Periop staff and quality of care by gathering important workflow milestones and introducing artificial intelligence techniques through the use of a smart-app.
- 2. Analyze workflow data (gathered with smart-apps) using data analytics to provide intuitive displays of real-time information for frontline staff and a daily performance dashboard for managers.
- 3. Induce behavioral and cultural change in healthcare systems through training and education.



The three proposed objectives reinforce each other to create new methods for healthcare providers to achieve improved coordination among POS departments by improving individual workflows, resolving systemic issues, and changing staff attitude and behavior







