

BIDMC - Surgical Demand Growth Management

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National Challenge

- National nurse staffing shortage
- Increasingly more expensive to provide perioperative care

Project Goal

Assist BIDMC in making Operating Room (OR) staffing decisions to minimize closing ORs and meet community surgical demand

Project Solution

- Decision support tool with the following levers
- physical OR capacity
 - staffing supply
 - surgery case demand

Value Proposition

- Quick decision making
- Improving culture and work environment
- Aggregate cross-functional, siloed work team reports

Initial Lever Discovery & Capacity Logic

Maximum Physical Capacity

Current Operating Capacity Goal (COCG)

Staffing-Implied Capacity

Budgeted Surgeries - Utilization Adjusted

Note: the area of the rectangles indicates relative capacity level (measured in personnel hours)