

Changing How We Provide Care & Improve Capacity

Rockyview General Hospital

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Background

As part of the AHS Surgical Clinical Network, the Rockyview General Hospital (RGH) is providing an innovative approach to total hip replacement surgery - Direct Anterior Total Hip Arthroplasty (DAA).

Method

Modified multi-disciplinary care approach was developed for DAA patients based on the current Alberta Bone & Joint Health Institute (ABJHI) hip arthroplasty care pathway.

- Nursing: Increased intensity of initial mobilization
- Physiotherapy: Assessment evening post-operative day #0 (POD), earlier treatment POD#1, increased education
- Diagnostic Imaging: Evening x-ray on POD#0
- Food Services: meal provided POD#0 at 18:30

Define Opportunity (Day Surgery 24 hr Unit)

Reduced length of stay (LOS) and optimized post-surgical patient mobilization allowed RGH Surgical Services to:

- Optimize activity costs through transition of care for DAA patients from the Orthopedic inpatient unit to the Day-Surgery 24 hr Unit.

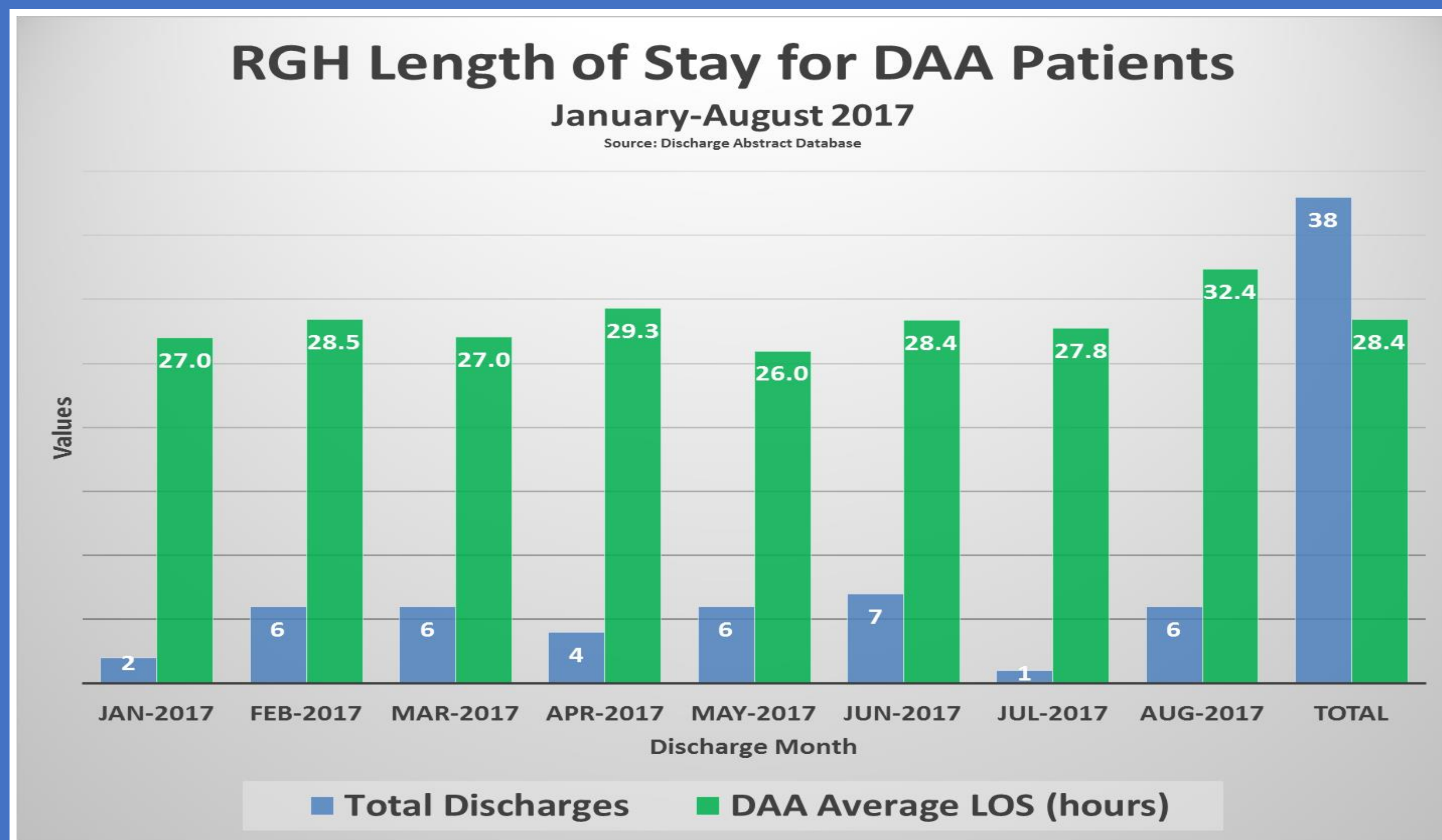
Evaluation

Patient feedback:

- Positive surgical procedure experience
- Increased satisfaction with earlier discharge
- Increased satisfaction with earlier recovery
- Identified potential opportunity for POD #0 discharge

Systems Perspective:

- Increased access to orthopedic inpatient beds
- Assistance with site capacity and patient flow

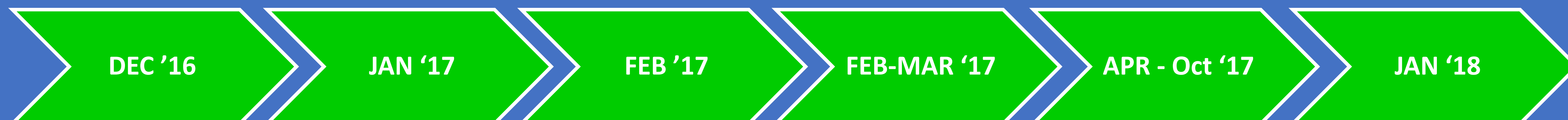


POD #1



Outcome (n= 72)

- Decrease ALOS vs. traditional process
 - 1.2 days vs. 7.1 days
- No hip precautions
- No recorded patient falls
- Decreased use of narcotics for pain management
- Decreased muscle disruption / improved mobility



Engagement

- Site admin
- Physicians
- Diagnostics
- Orthopedic unit staff
- Allied Health staff
- Pre-op clinic

Implementation Process

- Staff education
- Communication with key stakeholders
- Test trials and simulation cases

First Case

- Initial case review
- Team debrief
- Process revision

Results & Measurement

- 12 cases
- ALOS = 27.67 hr
- Feedback from physicians
- Monitoring OR time & waitlist

Current State

- 24 hr unit
- Discharge POD#1
- ↑ surgical participation by physicians
- ALOS = 30 hr

Future State

- ↑ productivity (# of cases per day)
- Discharge POD #0
- ↑ community rehab follow-up
- Zone education package