

Introduction

Over 1.1 million people yearly undergo total hip, knee, and shoulder arthroplasty surgeries in the United States. Cedars-Sinai Medical Center performs elective joint surgery on over 2,000 patients annually. Volume surges in the hospital delay post-operative arthroplasty patients' transfers to an inpatient room, resulting in delayed mobilization. A delay in mobilization prolongs recovery, increases the risk of complications, and can increase inpatient stays.

Objectives

- Increase the number of same-day and 23:59 hours or less discharges amongst post-operative primary total joint replacement patients.
- Reduce overall length-of-stay for total hip and knee arthroplasty patients by facilitating earlier discharges.
- Ensure patient safety throughout all perioperative stages, and discharge.
- Set patient expectations for a same day discharge through pre-operative education and in-hospital interactions.

Project Questions

- Will the implementation of an Outpatient Stay Unit (OSU) be successful in facilitating early discharges amongst primary total joint arthroplasty patients?
- Will patients mobilize within three hours of recovery with the assistance of perioperative staff and physical therapy?
- Will the patients meet discharge criteria within 23:59 hours?

Conclusions

The Outpatient Stay Unit displayed exemplary professional practice and was successful in decreasing overall length of stay amongst primary total joint patients. It has decompressed inpatient units within the hospital, facilitated early mobility, and increased early home discharges. Additional benefits are that it has broadened the skill sets of the perioperative nursing staff that were assigned to the OSU.

Up in 3 and Home in 1: Improving LOS Amongst Arthroplasty Patients

Perioperative Services – PreOp/PACU/OSU, Orthopaedics Department Cedars-Sinai Medical Center, Los Angeles

Plan

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Act

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Potential Project Barriers

Data Collection

- March 2022-May 2022: "5-hours post-surgery" nursing note does not contain mobilization data
- May 2022 Updated "5-hours post-surgery" note to "3-hours post-surgery" nursing note
- June 2022 Began tracking mobilization in nursing note
- Potential Patient Barriers to Mobilization
- Hypotension and dizziness
- Falls
- Post-op nausea and vomiting
- Urinary retention
- Uncontrollable pain
- Knowledge Deficit
- PACU nurses required training on the optimized care and management of total joint arthroplasty patients.



Outpatient Stay Unit

Advanced Health Sciences Pavilion (AHSP), 5th Floor

127 S San Vicente Blvd Los Angeles, CA 90048

With advancements in surgical technique and improved anesthesia and pain management, patients are able to go home sooner and may not need to stay overnight in the main hospital.

We have specially designed the new Outpatient Stay Unit (OSU) for patients who need an extended recovery after surgery but are able to go home the same day or the day after their surgery.

Benefits of recovering in the OSU:

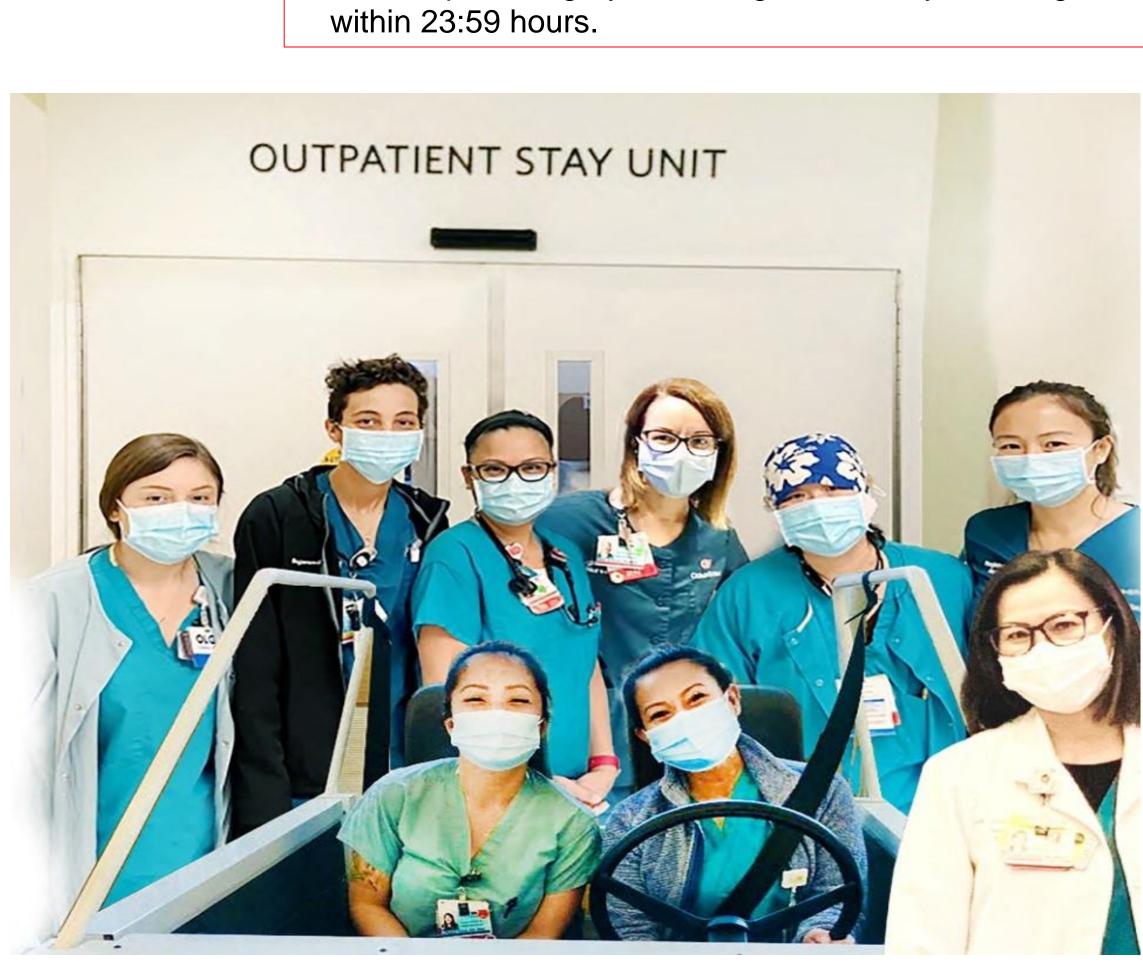
- State-of-the-art facility
- Stay in the ambulatory care center and avoid admission to the main hospital Specialized nursing care and therapy to expedite your recovery
- Faster discharge home





Sciences Pavilion (AHSP)

Outpatient Stay Unit - 5th Eleor AHS

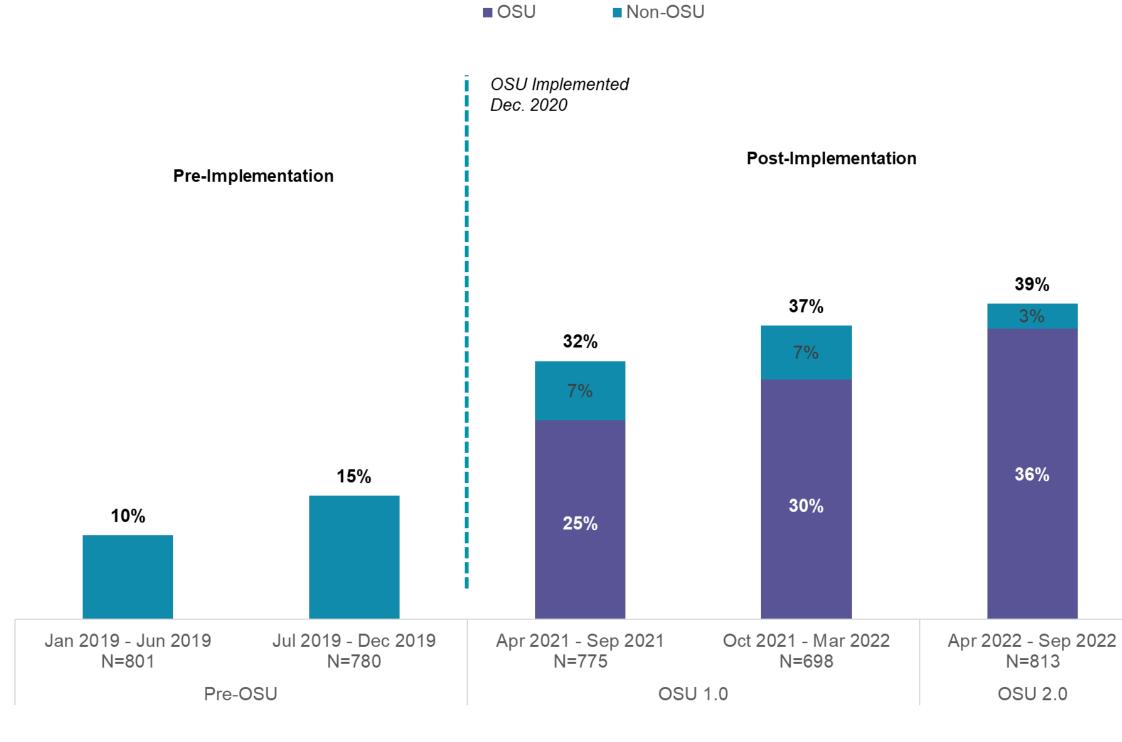


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Kathleen Breda, MSN, BBA, APN, AGACNP-BC, GRN, ONP-C Paulina Andujo, BSN, RN, ONC Mayra Lopez, MSW, MPH Sean Rajaee, MD, MS Naomi Tashman, BSN, RN, ONC, WCC

Implementation	Res
 Develop an interdisciplinary quality implitor reduce patient length-of-stay amongs replacement patients, inclusive of hip, k arthroplasties. A 14-bed area in the PreOp/PACU area the OSU – home to the Cedars-Sinai's Outpatient Hip & Knee Surgery. 	st total joint cont nee, and shoulder perio s was chosen for ^o
 Establish a project team consisting of a orthopaedic joint navigators, PACU nurs and a project manager. Develop inclusion criteria for OSU appresion define key performance metrics. Develop patient education handouts and Train PACU nursing staff on best-practic principles. Develop nursing notes to document pat milestones. The OSU opens on December 7, 2020. 	sing, therapists, opriate patients. d unit posters ce orthopedic care o The
 Weekly interdisciplinary team meetings project implementation. Data milestones are reviewed at team m quality improvement interventions. 	0
 PACU nurses receive ongoing training by Registered Nurses and Physical Therapis Pre-operative patient and caregiver educa surgeons and orthopaedic nurse navigato Patients recovering in OSU encouraged to 3 hours post-surgery with the goal to safe within 23:59 hours. 	ts. ation provided by rs. o ambulate within



References

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sults

- me day and 23:59 hours discharge rates increased and have ntinued to improve during the OSU post-implementation time iods.
- The discharge rate of TJR patients within 23:59 hours improved by 2.8 times the pre-implementation rate.
- Continuous improvement in reduced length-of-stay has been achieved since the OSU inception
- D1 (day after surgery) discharges increased in the OSU by almost ce the pre-implementation rate.
- Average Pre-implementation POD1 discharge rate: 31%
- Average Post-implementation POD1 discharge rate: 59%
- e OSU has provided additional bed capacity to facilitate CSMC ient volume demand
- Beginning April 2022, all orthopaedic TJR patients recovered in the OSU and only patients requiring extended hospital management were transferred to inpatient units.
- Since the OSU inception, 46% (n=1054) of elective Total Joint Replacement (TJR) cases were discharged from the OSU.
- bilization data is currently insufficient to evaluate due to changes in ta documentation and robustness.
 - June Sept 2022
- Total of patients with a 3-hour post surgery note: 307
- Total # of patients who ambulated at 3-hour mark: 210 (68%)

% of TJR Patients Discharged Within 23:59 HRS