

2024 OHA Excellence in Clinical Quality Award for a Hospital with 101-300 Beds

Comanche County Memorial Hospital

Hip and Knee Total Joint Infection and Readmission Reduction

Goals

Reduce total hip and knee joint replacement complications (*baseline 4.6%*), 30-day all-cause readmissions (*baseline 6.4%*) and infection rates (*3.6%*) by 35%, within 15 months (June 30, 2024).

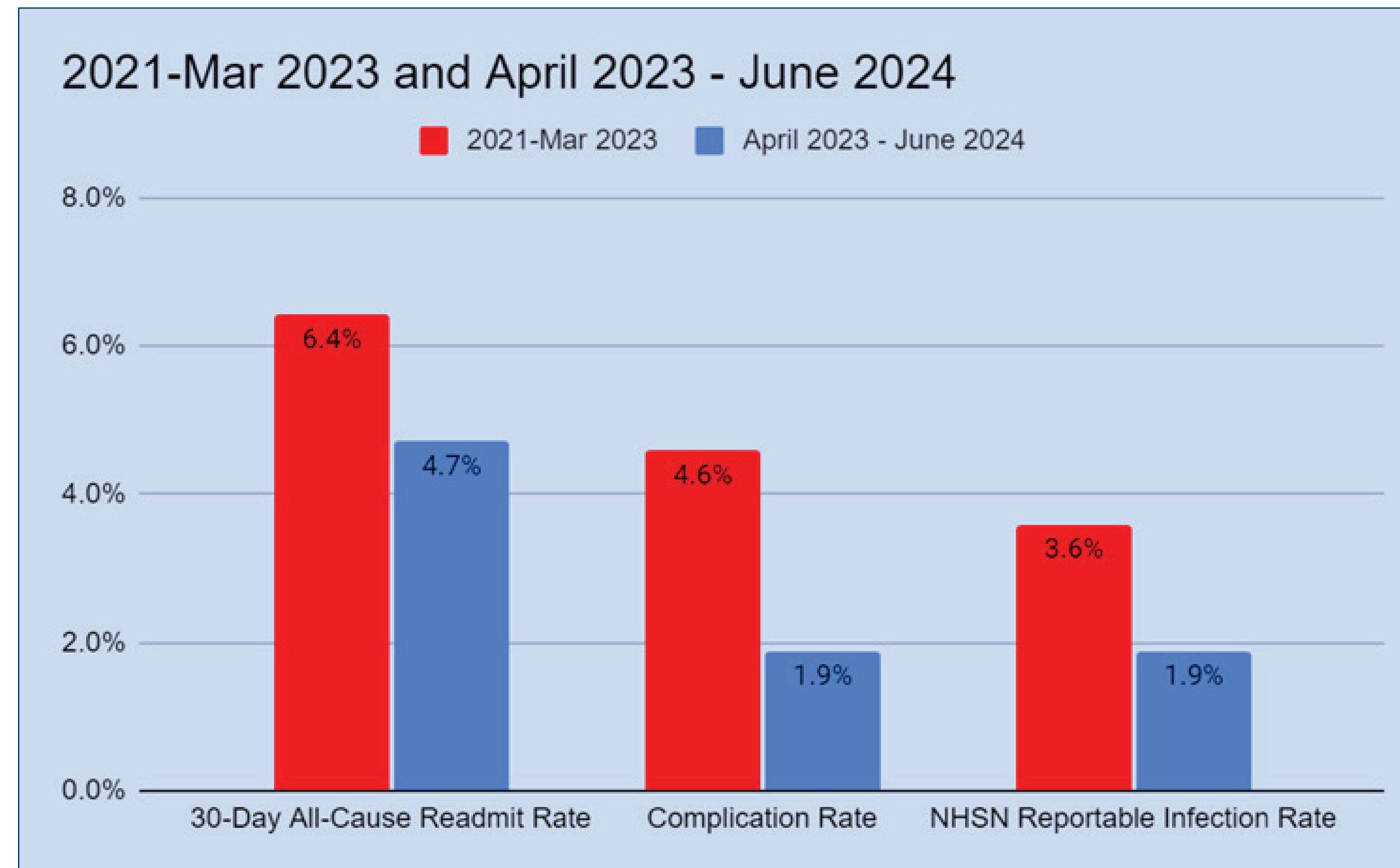
Interventions

1. Implemented interdisciplinary joint replacement team.
2. Provided P.R.E.P. class (Patient Readiness and Empowerment Program for patient education).
3. Utilized nurse navigator/ concierge service.

Results

Outcomes for patients with total hip and knee joint replacement:

- 58.7% decrease in complications
- 26.6% decrease in all-cause readmissions.
- 47.2% decrease in NHSN reportable infections.



Improvement Team

Lessons Learned

- Social determinants of health-related opportunities were identified, resulting in connecting patients with community resources.
- Continual reassessment and program adaptation occurred using the *Plan-Do-Check-Act* cycle.

Sustainment

- The next step is to create a plan to pursue Advanced Total Hip and Knee Replacement Certification through TJC.
- Will continue to evaluate ways to replicate this process in other surgical specialties.