

# Increasing Transplant Volume While Reducing LOS

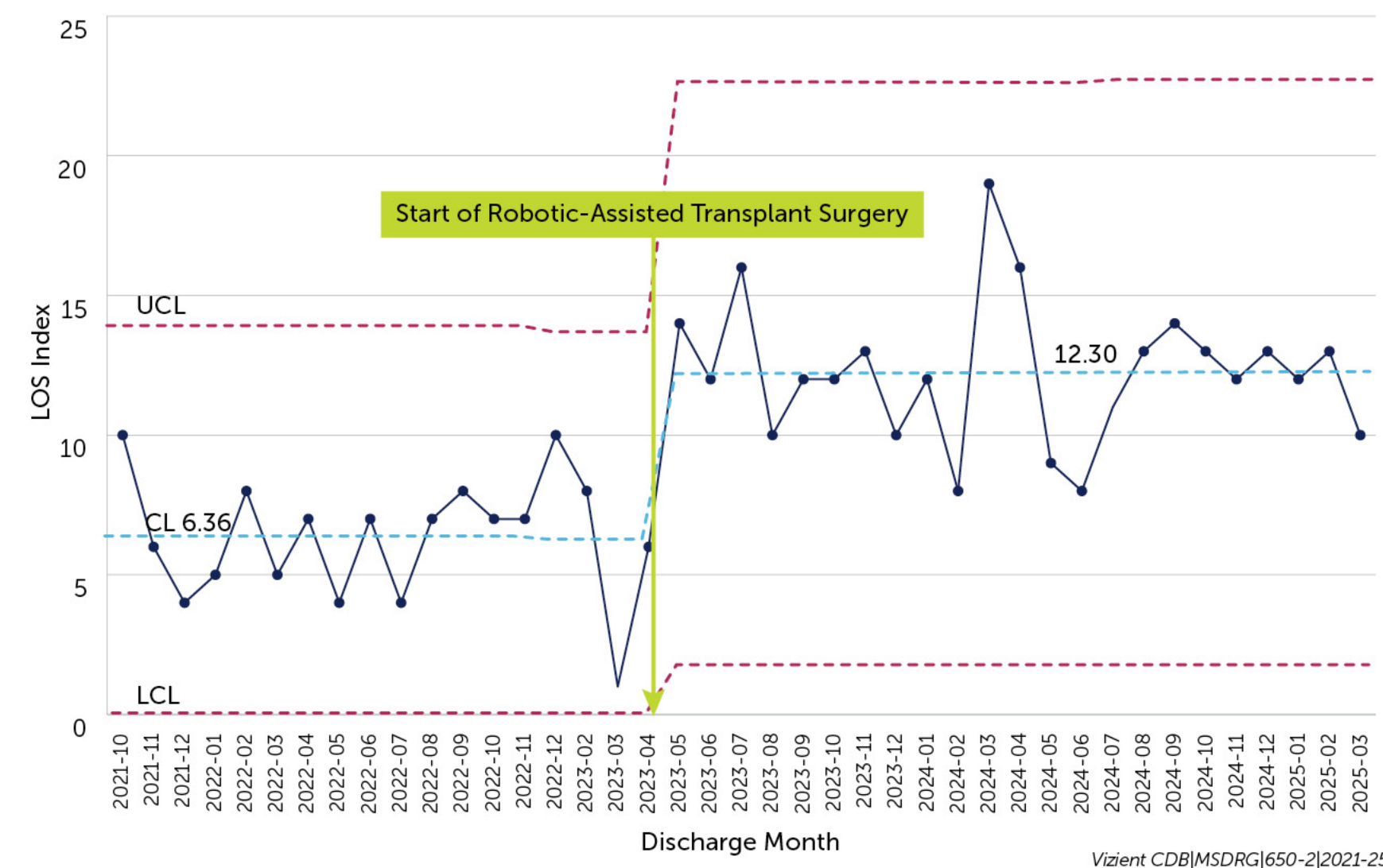
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## Learning Objectives

1. Describe quality improvement benefits of robotic kidney transplant surgery.
2. List two factors that lead to increased kidney transplantation and donor volumes.

## Cedar Crest Volumes for Kidney Transplant

CEDAR CREST VOLUME OF KIDNEY TRANSPLANT MSDRGS 650, 651, 652



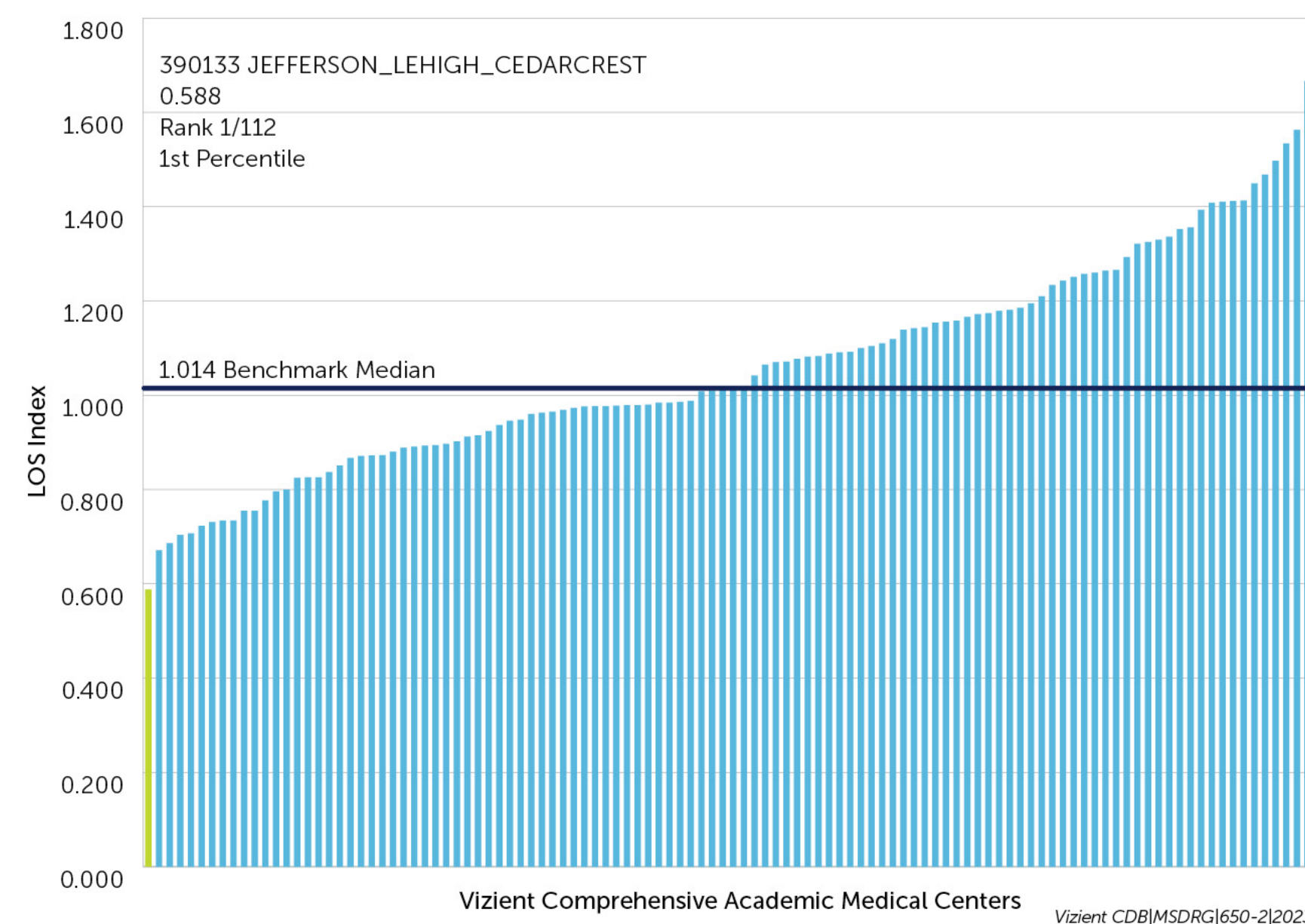
## Innovations in Transplant Surgery:

- Robotic-assisted surgery for both the donor nephrectomy and transplantation allows for more efficient surgery times and less need for post-operative blood transfusions, dialysis, and surgical site infections.<sup>1</sup>
- From fiscal year 2023 to 2024: 72.6% increase in kidney recipients and 165% increase of kidney donors.
- FY 2024 mortalities were zero and 30 Day Readmissions O/E = 1.19, below the Vizient CAMC median.



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KIDNEY TRANSPLANT LOS FY 2024 MSDRGS 650, 651, 652

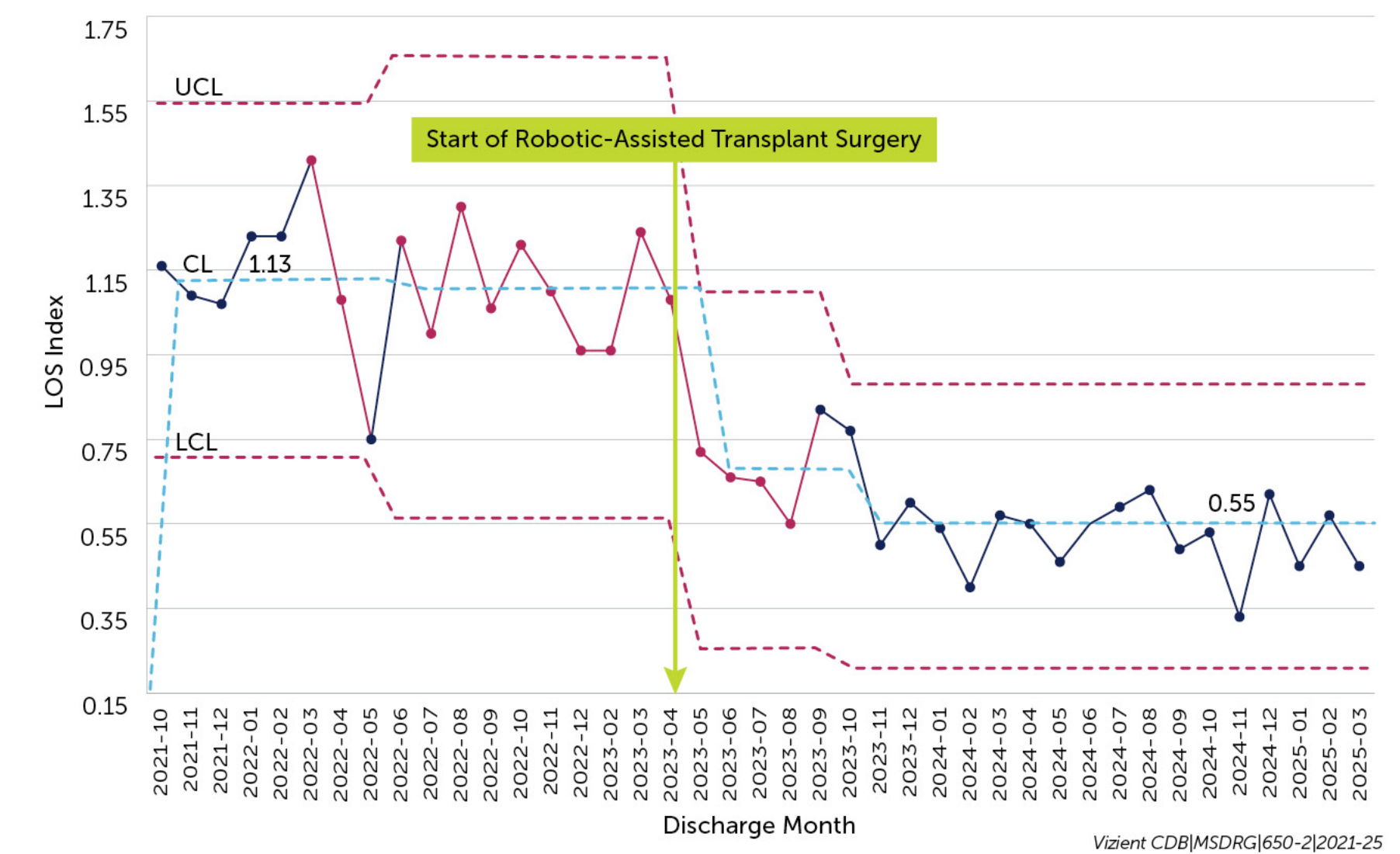


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## Cedar Crest LOS Index for Kidney Transplant

CEDAR CREST LOS INDEX KIDNEY TRANSPLANT MSDRGS 650, 651, 652



## Lessons Learned

Increased volumes and safe discharge requires:

- Strong leadership
- Cultural change from the traditional thinking of kidney transplantation
- Multidisciplinary team.

## Key Takeaways

- A secondary efficiency of the transplant service line's decrease in LOS is throughput in the hospital.
- Using the CDB in Vizient is beneficial to benchmark other CAMCs and enhances the understanding of volumes, readmissions, mortalities.

## REFERENCE

<sup>1</sup>Rofaiel G, Molnar MZ, Baker N, Campsen J, Kim R. Robotic-assisted Kidney Transplantation With Simultaneous Bilateral Nephrectomies Is an Efficient, Feasible, and Safe Way to Manage Patients With Renal Failure Secondary to Adult Polycystic Kidney Disease. *Transplant Direct*. 2021 Aug 5;7(9):e740. doi:10.1097/TXD.0000000000001195. eCollection 2021 Sep. PMID: 34386577.