

Increasing the Use of Living Donor Kidney Transplantation

Theme 1 - Improve the Living Kidney Donor Candidate Evaluation

BACKGROUND

- The work-up process that living kidney donors must undergo is often long and inefficient.
- Improving the process can improve patient experience, outcomes and reduce healthcare costs.

RESEARCH GOAL: Improve living kidney donor evaluation.

In collaboration with living kidney donors, recipients, healthcare professionals and researchers, we focused on:

- Understanding the current evaluation process.
- Surveying stakeholders to develop quality measures and solutions.

MAJOR FINDINGS

- Average time until donation is 10.3 months
- Identified 20 measures that could improve the living donor evaluation process.
- Benefits to evaluating multiple living donor candidates simultaneously:
 - ↓ Costs \$5000 per recipient
 - ↓ Evaluation Time by 1 Month
- A living donor transplant that occurs 3 months earlier results in:
 - ↑ Transplant Rates
 - ↓ Healthcare Costs
 - ↓ Time on Dialysis

Project Lead: Dr. Amit Garg
Patient Partner Lead: Susan McKenzie
Patient groups: Patients with kidney disease, kidney transplant recipients, donors, and families.

NEXT STEPS

- Set national goals for efficient donor candidate evaluation.
- Measure performance indicators of the donor evaluation process.
- Pilot test a one-day donor evaluation.

PATIENT PARTNERS

Our Patient Partners have:

- Identified the research topics as a priority.
- Helped formulate the questions.
- Helped conduct the studies and interpret the results.
- Developed and implemented TAP.
- Acted as partners in Provincial Governance.

Theme 2 - Improve Access to Kidney Transplantation and Living Donation

BACKGROUND

Increasing access to kidney transplantation could:

- ↑ Patient Survival
- ↑ Quality of Life
- ↑ Healthcare System Cost Savings



EnAKT LKD

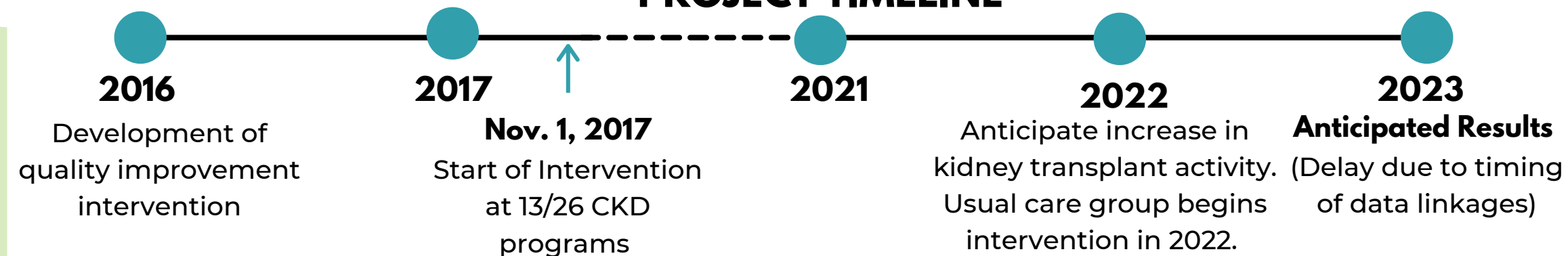
To address this, the **Enhance Access to Kidney Transplantation and Living Kidney Donation (EnAKT LKD) Trial** was established.

RESEARCH GOAL: Increase the number of steps completed towards transplant.

Including:

- Patient referral to a transplant centre for evaluation,
- Donor candidate contacts a transplant centre,
- Patient listed on the deceased donor transplant wait list, and
- Patient receives a kidney transplant.

PROJECT TIMELINE

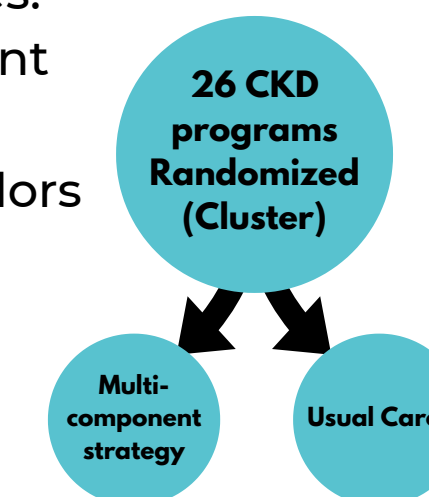


OBJECTIVE

To determine if a quality improvement intervention provided in Chronic Kidney Disease (CKD) programs enables more patients to complete more steps toward receiving a kidney transplant.

TRIAL STRUCTURE

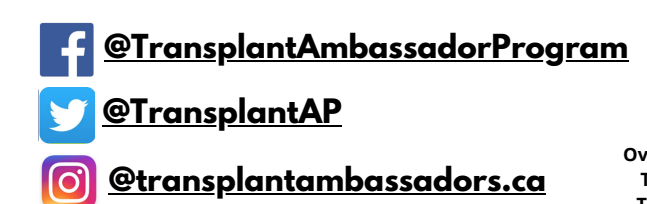
- 26 participating CKD programs + 6 adult transplant centres across Ontario, caring for ~10K patients.
- Programs were randomly assigned to either usual care or a multi-component quality improvement (QI) strategy, which includes:
 - QI teams and administrative support
 - Education and resources for staff, patients, and living kidney donor candidates.
 - Support from kidney transplant recipients and living kidney donors (Transplant Ambassadors Program [TAP]).
 - Program-level performance reports.



TRIAL PROGRESS

- 3+ data reports sent to CKD programs
- 150+ staff have attended educational webinars
- 75+ Transplant Ambassadors
- 4000+ meaningful TAP interactions with patients
- 8000+ visits to the education website (Explore Transplant Ontario)
- 4200+ downloads of archived educational content.

Acknowledgements



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