

SUPPLEMENTAL TABLES

Table S1. Coding definitions for kidney transplant recipient demographic and comorbid conditions

Characteristic	Database	Codes Used
Baseline Characteristic of Transplant Recipients and Donors		
Age, Sex, Rural	RPDB	
Renal Transplant	CORR	Treatment_Code: 171 Transplanted_Organ_Type_Code[1-3]: 10, 11, 12, 18, 19
Date of transplant,	CORR	Treatment_date
Cause of primary renal disease	CORR	Glomerulonephritis/Auto-immune disease: 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 73, 74, 84, 85, 86, 88 Diabetes: 80, 81 Cystic kidney disease: 40, 41, 42, 43, 49 Renal vascular disease: 70, 71, 72, 79 Other: 20, 21, 22, 23, 24, 25, 29, 30, 31, 32, 33, 39, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 66, 78, 82, 83, 87, 89, 90, 91, 92, 93, 94, 95, 96, 97, 99 Unknown: 00, 98
Race	CORR	Caucasian: 01; Asian: 02; African-American: 03; Indian: 05 Other: 08, 09, 10, 11, 99 Unknown: 98
Body Mass Index	CORR	Initial_Height Initial_Weight
Dialysis modality	CORR	Hemodialysis: 111, 112, 113, 121, 122, 123, 131, 132, 133, 211, 221, 231, 311, 312, 313, 321, 322, 323, 331, 332, 333, 413, 423, 433, Peritoneal Dialysis:141, 151, 152, 241, 242, 251, 252, 443, 453 Other – 060
Preemptive	CORR	
Time on dialysis	CORR	TRANSPLANT ([Treatment_Date] & [Treatment_Code]) – DIALYSIS ([Treatment Date] & [Treatment_Code])
Donor source	CORR	Living: 02, 03, 04, 05, 06, 07, 10, 12, 15 Deceased: 01 Unknown/Out-of-country transplant: 98
Charlson Comorbidity Index	CIHI-DAD	Charlson Macro
Peak Panel Reactive Antibody	CORR	PRA_1_PEAK_RESULT CORR
Transplant Centre	CORR	TREATMENT_FACILITY_NUM

Coding Definitions for Renal Recipient Outcomes

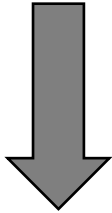
OUTCOMES	Database	Codes Used
Death	RPDB	
Dialysis post transplant	CIHI-DAD/OHIP CORR CHRONIC	CCP: 5195, 6698 CCI: 1PZ21 OHIP fee: R849, G323, G325, G326, G860, G863, G866, G330, G331, G332, G861, G082, G083, G085, G090, G091, G092, G093, G094, G095, G096, G294, G295 111,112,113,121,122,123,131,132,133,211,221,231,311,312,313,321,
Repeat kidney transplant	CORR CHRONIC	Treatment_Code: 171 Transplanted_Organ_Type_Code[1-3]: 10, 11, 12, 18, 19

Abbreviations: RPDB: Registered Person's database, CORR: Canadian Organ Reporting Register, CIHI: Canadian Institute for Health information, DAD: Discharge abstract database, CCP; Canadian Classification of Diagnostic Therapeutic and Surgical Procedures, CCI; Canadian Classification of Interventions TIA: thrombotic ischemic stroke.

Figure S1. Cohort Creation

**Total kidney transplants in
Ontario 2000-2013**

N= 6783



EXCLUSION CRITERIA (N=1746):

Invalid IKN = 353

Prior transplant = 671

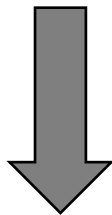
Multi-organ = 313

Non-Ontario, death date before transplant date or
missing data on age/sex =14

<18 or transplanted at Children's Hospital = 223

Transplant billings or admission dates do not align
with transplant date = 117

Transplanted the one centre with smaller volume over
the study period =55



STUDY COHORT

N= 5037