

Table S2. Databases and Coding Definitions for Inclusion/Exclusion Criteria, Baseline Characteristics, and Outcome Measurements			
Variable	Database	Codes	
Inclusion Criteria			
Kidney transplantation	NARP, SARP	Variables: Modality = Transplant Incident = 1 Numinctrans = 1 Transdate1 = Date of first transplant	
Laboratory investigation	AKDN	Serum creatinine Urinalysis, Albumin-creatinine ratio, Protein-creatinine ratio	
Exclusion Criteria			
Kidney transplantation (prior to May 2002)	NARP, SARP (since 2001)	Variable: Trans2001	
	AH (since 1994)	CCI code: 1PC85 ICD-9-CM: 5569 CCP codes: 67.4, 67.59, 67.5	
Other organ transplant	AH	Pancreas transplant	CCI: 10J85 ICD-9-CM: 528 (includes 5280, 5281, 5282, 5283, 5284, 5285, 5286) CCP: 64.8
		Liver transplant	CCI: 10A85 ICD-9-CM: 505 (includes 5051, 5059) CCP: 62.49, 62.4
		Bowel transplant	CCI: 1NK85, 1NP85 ICD-9-CM: 4697 CCP: 58.99
		Multi-visceral transplant	CCI: 1HY85, 1OK85 ICD-9-CM: 336 CCP: 45.6
		Lung transplant	CCI: 1GR85, 1GT85 ICD-9-CM: 335 (includes 3350, 3351, 3352) CCP: 45.5
		Heart transplant	CCI: 1HZ85 ICD-9-CM: 3751 CCP: 49.5

Table S2. Databases and Coding Definitions for Inclusion/Exclusion Criteria, Baseline Characteristics, and Outcome Measurements (continued)			
Variable	Database	Codes	
Baseline Characteristics – Demographics			
Age, Sex, Aboriginal, SES, Rural	AH	Population Registry	
Baseline Characteristics – Kidney-related Characteristics			
Dialysis modality	NARP, SARP	Variable: Modality = Hemodialysis, Peritoneal dialysis, Pre-care (Pre-emptive)	
Dialysis duration	NARP, SARP	Variable: Duration	
Site of transplantation	NARP, SARP	Variable: Program (SARP = 0, NARP = 1)	
Baseline Co-morbidities	Database	Codes	
Hypertension ⁴	AH	1 hospitalization or 2 claims in 2 years or less: ICD-9-CM: 401-405 ICD-10: I10-I13, I15	ICD-9-CM: Sn 79%, PPV 95% ICD-10: Sn 68%, PPV 93% ⁵
Diabetes mellitus ⁶	AH	1 hospitalization or 2 claims in 2 years or less: ICD-9-CM: 250 ICD-10: E10-E14	ICD-9-CM: Sn 86%, PPV 80%
Myocardial infarction ⁷	AH	1 hospitalization: ICD-9-CM: 410 ICD-10: I21, I22	ICD-9-CM: Sn 89%, PPV 89%
PCI ⁸	AH	CCI: 1IJ50, 1IJ54GQAZ, 1IJ57GQ, 1IL35 CCP: 51.59C, 51.59D, 51.59E, 51.59F	CCI: PPV 94-96%
CABG ⁸	AH	CCP: 48.11, 48.12, 48.13, 48.14, 48.15, 48.19 CCI: 1IJ76	CCI: PPV 97-98%
Heart failure ^{5,9}	AH	1 hospitalization or 2 claims in 2 years or less: ICD-9-CM: 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 425.4-425.9, 428 ICD-10: I09.9, I25.5, I42.0, I42.5-I42.9, I43, I50	ICD-9-CM: Sn 72%, PPV 91% ICD-10: Sn 69%, PPV 90%
Atrial fibrillation ¹⁰	AH	1 hospitalization or 2 claims in 2 years or less: ICD-9 CM: 427.3 ICD-10: I48.0	ICD-9-CM: Sn 84%, PPV 89%
Stroke/TIA ¹¹	AH	1 most responsible or post-admittance hospitalization or 1 claim or 1 most emergency department ACCS: ICD-9-CM: 362.3, 430, 431, 433.x1, 434.x1, 435, 436 ICD-10: G45.0-G45.3, G45.8-G45.9, H34.1, I60, I61, I63, I64	ICD-9-CM: PPV 90% ICD-10: PPV 92%
PVD ¹²	AH	1 hospitalization or 1 claim or 1 ACCS: ICD-9-CM: 440.2 ICD-10: I70.2	ICD-9-CM: Sn 77%, PPV 94%

Table S2. Databases and Coding Definitions for Inclusion/Exclusion Criteria, Baseline Characteristics, and Outcome Measurements (continued)		
Variable	Database	Codes
Outcomes		
Cardiovascular event	AH	Myocardial infarction: ICD-9-CM: 410, ICD-10: I21, I22 PCI: CCI: 1IJ50, 1IJ54GQAZ, 1IJ57GQ, 1IL35, CCP: 51.59C, 51.59D, 51.59E, 51.59F CABG: CCP: 48.11, 48.12, 48.13, 48.14, 48.15, 48.19, CCI: 1IJ76 Ischemic stroke: ICD-9: 434, 436, ICD-10: H34.1, I63.0, I63.1, I63.2, I63.3, I63.4, I63.5, I63.8, I63.9, I64
Heart failure	AH	ICD-9-CM: 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 425.4-425.9, 428 ICD-10: I09.9, I25.5, I42.0, I42.5-I42.9, I43, I50
Abbreviations: ACCS, Ambulatory Care Classification System; AH, Alberta Health; AKDN, Alberta Kidney Disease Network; CABG, coronary artery bypass graft; CCI, Canadian Classification of Health Interventions; CORR, Canadian Organ Replacement Register; ESRD, end-stage renal disease; ICD-9-CM, International Classification of Diseases, Ninth Revision, Clinical Modification; ICD-10, International Statistical Classification of Diseases, Tenth Revision; NARP, Northern Alberta Renal Program; PCI, percutaneous coronary intervention; PPV, positive predictive value; PVD, peripheral vascular disease; SARP, Southern Alberta Renal Program; SES, socio-economic status; Sn, sensitivity; TIA, transient ischemic attack.		