

Table S1a: Estimates from linear regression predicting 1-year post-KT eGFR among recipients of deceased-donor kidney transplants:

	Unadjusted (Model 1D)	Recipient Characteristics (Model 2D)	Donor & Organ Characteristics (Model 3D)	Immunosuppression Practice (Model 4D)	Post-transplant Course (Model 5D)	Fully adjusted (Model 6D)
	β (95% CI)	β (95% CI)	β (95% CI)	β (95% CI)	β (95% CI)	β (95% CI)
Transplant Year	0.25(0.20,0.31)	0.35(0.29,0.40)	0.35(0.30,0.40)	0.15(0.09,0.20)	0.27(0.22,0.33)	0.28(0.23,0.33)
Recipient Characteristics						
Age (per 10 years): age \leq 40		-3.13(-3.80,-2.45)				-2.31(-2.93,-1.70)
: 40 < age \leq 55		-0.87(-1.34,-0.40)				0.59(0.16,1.01)
: age >55		-1.24(-1.64,-0.85)				0.98(0.62,1.35)
Race (ref = White)						
Black		2.91(2.45,3.36)				3.80(3.39,4.22)
Hispanic		4.25(3.67,4.84)				4.10(3.57,4.64)
Other		4.27(3.56,4.98)				4.71(4.06,5.36)
Male (ref = Female)		0.62(0.23,1.02)				1.03(0.66,1.39)
Peak panel-reactive antibodies (per 10%)		0.01(0.00,0.02)				-0.00(-0.01,0.01)
Length of pre-transplant dialysis (per year)		-0.09(-0.15,-0.03)				-0.03(-0.08,0.03)
Diabetes		0.96(0.53,1.40)				1.67(1.27,2.07)
Recipient BMI (per 5 kg/m ²)		-2.19(-2.37,-2.01)				-1.82(-1.98,-1.65)
Donor & Organ Characteristics						
Age (per 10 years): age \leq 25			-2.17(-2.57,-1.76)			-1.44(-1.84,-1.05)
: age >25			-4.27(-4.47,-4.08)			-4.27(-4.46,-4.09)
Male (ref = Female)			2.92(2.56,3.28)			3.06(2.71,3.41)
Expanded criteria donor status			-0.54(-1.17,0.10)			-0.92(-1.55,-0.29)
Cardiac death donor			-2.64(-3.24,-2.04)			-1.72(-2.32,-1.13)
Pulsatile perfusion after harvest			-0.84(-1.23,-0.44)			-0.76(-1.15,-0.37)
Hypertension			-2.69(-3.15,-2.23)			-2.46(-2.91,-2.02)
Cold Ischemia time (per 4 hour)			-0.30(-0.37,-0.23)			-0.30(-0.36,-0.23)
Maintenance Immunosuppression Practice						
Tacrolimus				2.91(2.37,3.44)		1.87(1.39,2.36)
Mycophenolate				2.42(1.77,3.06)		2.05(1.47,2.63)
Post-Transplant Course						
Delayed graft function					-5.77(-6.23,-5.31)	-4.03(-4.46,-3.60)
Early acute rejection					-2.60(-3.84,-1.37)	-1.93(-3.05,-0.82)

These models included 33,528 recipients with no missing variables.

Table S1b: Estimates from linear regression predicting 1-year post-KT eGFR among recipients of living-donor kidney transplants:

	Unadjusted (Model 1L)	Recipient Characteristics (Model 2L)	Donor & Organ Characteristics (Model 3L)	Immunosuppression Practice (Model 4L)	Post-transplant Course (Model 5L)	Fully adjusted (Model 6L)
	β (95% CI)	β (95% CI)	β (95% CI)	β (95% CI)	β (95% CI)	β (95% CI)
Transplant Year	0.15(0.09,0.22)	0.16(0.10,0.22)	0.29(0.23,0.35)	0.05(-0.02,0.11)	0.14(0.08,0.20)	0.19(0.13,0.25)
Recipient Characteristics						
Age (per year): age \leq 40		-2.38(-2.97,-1.80)				-1.84(-2.39,-1.28)
: 40 < age \leq 55		-0.75(-1.28,-0.23)				0.01(0.51,0.149)
: age >55		-0.42(-0.12,0.97)				1.12 (0.60,1.63)
Race (ref=White)						
Black		5.12(4.46,5.77)				3.43(2.80,4.05)
Hispanic		6.56(5.88,7.24)				4.18(3.53,4.83)
Other		5.05(4.07,6.03)				4.01(3.09,4.94)
Male (ref = Female)		0.10(-0.36,0.56)				0.30(-0.13,0.74)
Peak panel-reactive antibodies		-0.00(-0.01,0.00)				-0.01(-0.02,0.00)
Length of pre-transplant dialysis (per year)		0.16(0.05,0.27)				0.16(0.05,0.26)
Diabetes		1.85(1.33,2.38)				1.78(1.29,2.28)
Recipient BMI (per 5 kg/m ²)		-1.95(-2.16,-1.74)				-1.99(-2.19,-1.79)
Donor & Organ Characteristics						
Age (per 10 years): age \leq 25			-0.80(-3.39,1.78)			0.32(-2.21,2.84)
: age >25			-4.52(-4.72,-4.31)			-4.15(-4.35,-3.94)
Male (ref = Female)			3.55(3.12,3.99)			3.61(3.19,4.04)
Maintenance Immunosuppression Practice						
Tacrolimus			-2.53(-4.13,-0.93)			-2.30(-3.86,-0.74)
Mycophenolate			-0.24(-0.41,-0.06)			-0.18(-0.35,-0.01)
Post-Transplant Course						
Delayed graft function				2.88(2.25,3.52)		2.43(1.84,3.01)
Early acute rejection				1.69(1.01,2.36)		1.27(0.65,1.90)

These models included 18,629 recipients with no missing variables.

Table S2: Breakdown of excluded recipients by donor-type and era:

Donor Type	Era	Total Transplanted	Included in Analysis	Breakdown by Exclusion Type							
				Total Excluded		Death by 1-year post TX		Alive at 1-year with graft failure		Missing serum creatinine or graft status	
				N	%	N	%	N	%	N	%
Deceased	2001-2005	41,266	35,486	5,780	14%	2,444	6%	783	2%	2,553	6%
Deceased	2006-2010	47,327	42,124	5,203	11%	2,329	5%	693	1%	2,181	5%
Deceased	2011-2013	29,460	25,079	4,381	15%	1,156	4%	332	1%	2,893	10%
Living	2001-2005	28,600	26,085	2,515	9%	651	2%	374	1%	1,490	5%
Living	2006-2010	27,989	26,364	1,625	6%	439	2%	253	1%	933	3%
Living	2011-2013	15,302	13,549	1,753	11%	230	2%	74	0%	1,449	9%
		189,944	168,687	21,257		7,249		2,509		11,499	

Figure S1: Average eGFR at 1 year post-KT, by donor type and year transplanted: Panel A for deceased donor kidney transplant (DDKT) recipients and Panel B for living donor kidney transplant (LDKT) recipients. For patients transplanted between 2006 and 2010, we individually determined the date when a facility transitioned.

