

Supplemental Table 1a: Patient Survival

Variables	HR (95% CI)	
	Univariate	Multivariate
Weekend	1.009 (0.92-1.04) P=0.51	1.01 (0.98-1.04) P=0.51
Recipient characteristics		
Age	1.595 (1.58-1.61) P<0.001	1.572 (1.55-1.59) P<0.001
Female gender	0.854 (0.83-0.88) P<0.001	0.896 (0.87-0.92) P<0.001
Ethnicity		
Black	1.341 (1.315-1.368) P<0.001	1.480 (1.437-1.525) P<0.001
Hispanic	0.859 (0.833-0.886) P<0.001	0.928 (0.888-0.971) P<0.001
Other	0.695 (0.661-0.732) P<0.001	0.757 (0.704-0.815) P<0.001
Diagnosis of ESRD		
Diabetes	2.728 (2.63-2.83) P<0.001	2.090 (2.01-2.18) P<0.001
Hypertension	1.608 (1.55-1.68) P<0.001	1.285 (1.23-1.34) P<0.001
Cystic kidney disease	1.004 (0.95-1.06) P=0.90	0.751 (0.71-0.80) P<0.001
Other/unknown	1.455 (1.40-1.52) P<0.001	1.317 (1.26-1.38) P<0.001
Time on waiting list	1.015 (1.01-1.02) P<0.001	1.042 (1.03-1.05) P<0.001
Peak PRA	1.003 (0.999-1.008) P = 0.14	1.026 (1.021-1.032) P<0.001
Prior kidney Tx	0.892 (0.86-0.93) P<0.001	1.135 (1.08-1.19) P<0.001
Cold Ischemia Time	1.110 (1.07-1.15) P<0.001	1.097 (1.06-1.14) P<0.001
Zero HLA-mismatch	1.094 (1.06-1.13) P<0.001	1.079 (1.04-1.12) P<0.001
ABO-incompatible Tx	0.981 (0.93-1.03) P=0.46	
Year of Tx		
1995	1.017 (0.96-1.08) P=0.60	1.006 (0.94-1.07) P=0.85
1996	1.020 (0.96-1.09) P=0.54	0.922 (0.86-0.99) P=0.016
1997	1.049 (09.9-1.12) P=0.14	0.922 (0.86-0.99) P=0.016
1998	1.045 (0.98-1.11) P=0.18	0.909 (0.85-0.97) P=0.005
1999	1.075 (1.01-1.15) P=0.03	0.883 (0.82-0.95) P<0.001
2000	1.135 (1.07-1.21) P<0.001	0.916 (0.85-0.98) P=0.015
2001	1.118 (1.05-1.19) P=0.001	0.864 (0.80-0.93) P<0.001
2002	1.073 (1.00-1.15) P=0.04	0.798 (0.74-0.86) P<0.001
2003	1.111 (1.04-1.19) P=0.003	0.762 (0.70-0.82) P<0.001
2004	1.116 (1.04-1.20) P=0.002	0.753 (0.70-0.81) P<0.001
2005	1.101 (1.02-1.18) P=0.010	0.717 (0.66-0.78) P<0.001
2006	1.084 (1.00-1.17) P=0.04	0.701 (0.65-0.76) P<0.001
2007	0.971 (0.89-1.06) P=0.50	0.623 (0.57-0.68) P<0.001
2008	0.917 (0.83-1.01) P=0.09	0.571 (0.51-0.63) P<0.001
2009	1.006 (0.90-1.13) P=0.92	0.587 (0.52-0.67) P<0.001
Donor characteristics		
Age	1.147 (1.14-1.16) P<0.001	1.083 (1.07-1.09) P<0.001
Female gender	1.104 (1.08-1.13) P<0.001	1.040 (1.01-1.07) P=0.005
Ethnicity		
Black	1.217 (1.184-1.250) P<0.001	1.126 (1.078-1.176) P<0.001
Hispanic	0.908 (0.881-0.935) P<0.001	1.000 (0.954-1.048) P=0.954
Other	1.011 (0.946-1.081) P=0.75	1.031 (0.928-1.146) P=0.567

Supplemental Table 1b: Overall Allograft Survival (including Death)

Variables	HR (95% CI)	
	Univariate	Multivariate
Weekend	1.009 (0.99-1.03) P=0.37	1.012 (0.98-1.04) P=0.41
Recipient characteristics		
Age	1.101 (1.09-1.11) P<0.001	0.864 (0.86-0.87) P<0.001
Female gender	0.909 (0.89-0.93) P<0.001	0.960 (0.94-0.99) P=0.002
Ethnicity		
Black	1.712 (1.670-1.755) P<0.001	1.480 (1.437-1.525) P<0.001
Hispanic	0.969 (0.931-1.008) P=0.118	0.928 (0.888-0.971) P<0.001
Other	0.789 (0.739-0.842) P<0.001	0.757 (0.704-0.815) P<0.001
Diagnosis of ESRD		
Diabetes	1.503 (1.47-1.54) P<0.001	1.039 (1.00- 1.08) P=0.06
Hypertension	1.321 (1.29-1.36) P<0.001	1.107 (1.07-1.15) P<0.001
Cystic kidney disease	0.754 (0.73-0.78) P<0.001	0.756 (0.72-0.80) P<0.001
Other/unknown	1.236 (1.20-1.27) P<0.001	1.104 (1.06-1.15) P<0.001
Peak PRA	1.036 (1.032-1.040) P<0.001	1.029 (1.024-1.033) P<0.001
Time on waiting list	1.033 (1.03-1.04) P<0.001	1.012 (1.01-1.02) P<0.001
Prior kidney Tx	1.125 (1.10-1.15) P<0.001	1.198 (1.15-1.25) P<0.001
Cold ischemia time	1.180 (1.15-1.21) P<0.001	1.211 (1.17-1.25) P<0.001
Zero HLA-mismatch	1.284 (1.25-1.32) P<0.001	1.404 (1.35-1.46) P<0.001
ABO-incompatible Tx	0.959 (0.92-1.00) P= 0.03	1.061 (1.01-1.12) P=0.03
Year of Tx		
1995	0.959 (0.92-1.00) P=0.06	0.953 (0.90-1.01) P=0.10
1996	0.945 (0.90-0.99) P=0.012	0.924 (0.87-0.98) P= 0.01
1997	0.911 (0.87-0.95) P<0.001	0.854 (0.80-0.90) P<0.001
1998	0.904 (0.86-0.95) P<0.001	0.845 (0.80-0.90) P<0.001
1999	0.899 (0.86-0.94) P<0.001	0.824 (0.77-0.88) P<0.001
2000	0.940 (0.90-0.98) P=0.009	0.851 (0.80-0.91) P<0.001
2001	0.883 (0.84-0.93) P<0.001	0.763 (0.71-0.82) P<0.001
2002	0.874 (0.83-0.92) P<0.001	0.791 (0.74-0.85) P<0.001
2003	0.880 (0.84-0.93) P<0.001	0.736 (0.69-0.79) P<0.001
2004	0.862 (0.82-0.91) P<0.001	0.739 (0.69-0.79) P<0.001
2005	0.829 (0.79-0.88) P<0.001	0.694 (0.65-0.75) P<0.001
2006	0.831 (0.79-0.88) P<0.001	0.676 (0.63-0.73) P<0.001
2007	0.754 (0.71-0.80) P<0.001	0.622 (0.57-0.68) P<0.001
2008	0.705 (0.66-0.76) P<0.001	0.568 (0.52-0.63) P<0.001
2009	0.706 (0.65-0.77) P<0.001	0.529 (0.47-0.60) P<0.001
Donor characteristics		
Age	1.144 (1.14-1.15) P<0.001	1.193 (1.18-1.20) P<0.001
Female gender	1.141 (1.12-1.16) P<0.001	1.081 (1.05-1.11) P<0.001
Ethnicity		
Black	1.367 (1.322-1.413) P<0.001	1.296 (1.249-1.346) P<0.001
Hispanic	0.938 (0.903-0.975) P=0.001	1.049 (1.005-1.096) P=0.030
Other	1.082 (0.995-1.177) P=0.064	1.086 (0.988-1.195) P=0.088

Supplemental Tables 1 a and b- Reference category for the ethnicity was white race, for the diagnosis of ESRD was glomerulonephritis and for the year of Tx was 1994.

HR of PRA refers to an increase of 10. Year 2010 was excluded from the analysis because of the short observation period.

HR, hazard ratio; CI, confidence interval; ESRD, end-stage renal disease; Tx, transplant; PRA, panel reactive antibodies; HLA, human leukocyte antigen.