

Supplementary Table 1: Adjusted analysis of transplantation in VA patients compared to other insurance groups nationally in a competing risks model with death as a competing risk.

	All Transplants	Deceased Donor Transplant	Living Donor Transplant
VA vs. Private	0.75 (0.71, 0.79)	0.88 (0.83, 0.94)	0.53 (0.47, 0.59)
VA vs. Medicare	0.90 (0.85, 0.94)	0.96 (0.90, 1.02)	0.80 (0.72, 0.89)
VA vs. Medicaid	1.05 (1.00, 1.11)	1.08 (1.01, 1.15)	1.04 (0.93, 1.16)

Models adjusted for age group, race, gender, diagnosis group, time on dialysis at listing, candidate status at listing, PRA, BMI group, education, malignancy, peripheral vascular disease, region, year of listing, log distance to center and community risk score.

Model of deceased donor transplant excludes live donor transplants. Model of living donor transplant excludes deceased donor transplants.

Supplementary Table 2a: Adjusted Cox analysis of transplantation, mortality and delisting in VA patients compared to other insurance groups nationally excluding those with missing education data.

	All Transplants	Deceased Donor Transplant	Living Donor Transplant	Death	Delisting*
VA vs. Private	0.74 (0.70, 0.79)	0.85 (0.79, 0.91)	0.56 (0.49, 0.63)	0.93 (0.84, 1.03)	1.57 (1.40, 1.75)
VA vs. Medicare	0.89 (0.83, 0.94)	0.91 (0.84, 0.97)	0.85 (0.75, 0.97)	0.81 (0.73, 0.90)	1.23 (1.10, 1.37)
VA vs. Medicaid	1.03 (0.97, 1.10)	1.01 (0.94, 1.09)	1.08 (0.95, 1.24)	0.80 (0.72, 0.89)	1.18 (1.05, 1.33)

Supplementary Table 2b: Adjusted Cox analysis of transplantation, mortality and delisting in VA patients compared to other insurance groups nationally censoring data on December 4, 2014.

	All Transplants	Deceased Donor Transplant	Living Donor Transplant	Death	Delisting*
VA vs. Private	0.74 (0.70, 0.79)	0.86 (0.80, 0.92)	0.56 (0.50, 0.63)	0.86 (0.78, 0.96)	1.42 (1.27, 1.59)
VA vs. Medicare	0.88 (0.83, 0.94)	0.92 (0.86, 0.99)	0.85 (0.75, 0.95)	0.74 (0.67, 0.82)	1.11 (0.99, 1.24)
VA vs. Medicaid	1.03 (0.97, 1.10)	1.02 (0.95, 1.10)	1.09 (0.96, 1.23)	0.72 (0.65, 0.80)	1.06 (0.94, 1.19)

Models adjusted for age group, race, gender, diagnosis group, time on dialysis at listing, candidate status at listing, PRA, BMI group, education, malignancy, peripheral vascular disease, region, year of listing, log distance to center and community risk score.

Model of deceased donor transplant excludes live donor transplants. Model of living donor transplant excludes deceased donor transplants.

*Delisting for reasons of “health deterioration” or “other”

Supplementary Table 3: Interaction between log distance to transplant center and insurance. Adjusted Cox analysis of transplantation and mortality.

	All Transplants	Deceased Donor Transplant	Living Donor Transplant	Death
Private per 1 log unit distance greater	1.02 (1.01, 1.02)	0.99 (0.98, 1.00)	1.04 (1.03, 1.05)	1.04 (1.03, 1.05)
Medicare per 1 log unit distance greater	0.99 (0.98, 0.997)	0.97 (0.96, 0.98)	1.06 (1.04, 1.07)	1.02 (1.01, 1.03)
Medicaid per 1 log unit distance greater	0.99 (0.97, 1.00)	0.98 (0.96, 0.99)	1.0 (0.97, 1.03)	1.08 (1.05, 1.10)
VA per 1 log unit distance greater	0.99 (0.95, 1.03)	0.99 (0.95, 1.03)	0.97 (0.90, 1.04)	0.98 (0.93, 1.04)

Models include age group, race, gender, diagnosis group, time on dialysis at listing, candidate status at listing, PRA, BMI group, education, malignancy, peripheral vascular disease, region, year of listing, community risk score, insurance and interaction between log distance and insurance.

Model of deceased donor transplant excludes live donor transplants. Model of living donor transplant excludes deceased donor transplants.

Supplementary Table 4. Demographic variables for patients in the VA plus four matched centers vs. all others.

Factor	Overall (n=302457)	Others (n=292692)	Four VA centers+ matched (n=9765)	p-value
Age	52.4±12.9	52.3±12.9	54.7±12.5	<0.001 ^a
Male gender	185296(61.3)	178327(60.9)	6969(71.4)	<0.001 ^c
Race/ethnicity				<0.001 ^c
White	136195(45.0)	129649(44.3)	6546(67.0)	
Black	87725(29.0)	85240(29.1)	2485(25.4)	
Hispanic	52697(17.4)	52305(17.9)	392(4.0)	
Other	25840(8.5)	25498(8.7)	342(3.5)	
Diagnosis of ESRD				<0.001 ^c
Diabetes	107293(35.5)	103821(35.5)	3472(35.6)	
Hypertension	65636(21.7)	63982(21.9)	1654(16.9)	
Glomerulonephritis	51213(16.9)	49513(16.9)	1700(17.4)	
Polycystic	22481(7.4)	21614(7.4)	867(8.9)	
Other	55834(18.5)	53762(18.4)	2072(21.2)	
Peripheral Vascular Disease	17824(5.9)	17456(6.0)	368(3.8)	<0.001 ^c
Malignancy	18389(6.1)	17542(6.0)	847(8.7)	<0.001 ^c
Total Serum Albumin	3.9±0.61	3.9±0.61	3.9±0.54	<0.001 ^a
Education group				<0.001 ^c
Unknown	23137(7.6)	21805(7.4)	1332(13.6)	
High school or less	143443(47.4)	139752(47.7)	3691(37.8)	
Some College or more	135877(44.9)	131135(44.8)	4742(48.6)	
Dialysis vintage (mos)				<0.001 ^c

Factor	Overall (n=302457)	Others (n=292692)	Four VA centers+ matched (n=9765)	p-value
Not started	93521(30.9)	90556(30.9)	2965(30.4)	
0-12	97896(32.4)	95027(32.5)	2869(29.4)	
>12-24	54476(18.0)	52507(17.9)	1969(20.2)	
>24-36	23295(7.7)	22395(7.7)	900(9.2)	
>36	11%	11%	19%	
BMI group				<0.001 ^c
Missing	3531(1.2)	3478(1.2)	53(0.54)	
<25	27.10%	27.30%	23.80%	
>25-30	99753(33.0)	96489(33.0)	3264(33.4)	
>30-35	73826(24.4)	71185(24.3)	2641(27.0)	
>35-50	43327(14.3)	41842(14.3)	1485(15.2)	
Inactive	81073(26.8)	80125(27.4)	948(9.7)	<0.001 ^c
Listing era				<0.001 ^c
2004-2007	85347(28.2)	83173(28.4)	2174(22.3)	
2008-2011	97578(32.3)	94271(32.2)	3307(33.9)	
2012-2016	119532(39.5)	115248(39.4)	4284(43.9)	
Panel Reactive antibody >0%	16.40%	16.40%	14.30%	<0.001 ^c
Median distance to transplant center in miles	22.4[8.9,65.8]	21.5[8.7,62.9]	81.6[23.9,210.2]	<0.001 ^b
Insurance				<0.001 ^c
. VA	3663(1.2)	758(0.26)	2905(29.7)	
. Private	141523(46.8)	137772(47.1)	3751(38.4)	
. Medicaid/CHIP	25245(8.3)	25245(8.6)	0(0.0)	

Factor	Overall (n=302457)	Others (n=292692)	Four VA centers+ matched (n=9765)	p-value
. Medicare	132026(43.7)	128917(44.0)	3109(31.8)	
Transplanted in a different center	16647(11.8)	16213(11.9)	434(9.0)	<0.001 ^c
MultiListing	16321(5.4)	15853(5.4)	468(4.8)	0.007 ^c
Accept an HCV Positive donor?	9402(3.1)	8890(3.0)	512(5.2)	<0.001 ^c
Risk Score	19.9±10.2	19.8±10.2	23.6±9.7	<0.001 ^a
Rank for Variable Risk_Score				<0.001 ^c
Q1	60280(19.9)	59211(20.2)	1069(10.9)	
Q2	58321(19.3)	56907(19.4)	1414(14.5)	
Q3	56046(18.5)	55201(18.9)	845(8.7)	
Q4	64892(21.5)	61402(21.0)	3490(35.7)	
Q5	57870(19.1)	55080(18.8)	2790(28.6)	
Missing	5048(1.7)	4891(1.7)	157(1.6)	

Supplementary Table 5: Adjusted analysis of transplantation in VA patients compared to other insurance groups at four local non-VA centers in a competing risks model with death as a competing risk.

	All Transplants SHR (95% CI)	Deceased Donor Transplant SHR (95% CI)	Living Donor Transplant SHR (95% CI)
VA vs. Private	0.73 (0.66, 0.80)	0.83 (0.74, 0.93)	0.51 (0.42, 0.61)
VA vs. Medicare	1.00 (0.90, 1.11)	1.07 (0.95, 1.21)	0.83 (0.68, 1.02)

Models adjusted for age group, race, gender, diagnosis group, time on dialysis at listing, candidate status at listing, PRA, BMI group, education, malignancy, peripheral vascular disease, region, year of listing, log distance to center and community risk score

Model of deceased donor transplant excludes live donor transplants. Model of living donor transplant excludes deceased donor transplants.

Supplementary Table 6a: Adjusted Cox analysis of transplantation, mortality and delisting in VA patients compared to other insurance groups at four local non-VA centers excluding those with missing education.

	All Transplants	Deceased Donor Transplant	Living Donor Transplant	Death	Delisting*
VA vs. Private	0.74 (0.66, 0.83)	0.81 (0.71, 0.93)	0.49 (0.39, 0.62)	0.94 (0.74, 1.18)	1.38 (1.07, 1.76)
VA vs. Medicare	0.99 (0.87, 1.12)	1.03 (0.89, 1.19)	0.83 (0.64, 1.08)	0.74 (0.59, 0.91)	0.85 (0.68, 1.07)

Supplementary Table 6b: Adjusted Cox analysis of transplantation, mortality and delisting in VA patients compared to private insurance group at four local non-VA centers censoring data on December 4, 2014.

	All Transplants	Deceased Donor Transplant	Living Donor Transplant	Death	Delisting*
VA vs. Private	0.75 (0.68, 0.84)	0.86 (0.75, 0.97)	0.53 (0.43, 0.65)	1.00 (0.81, 1.23)	1.22 (0.95, 1.55)
VA vs. Medicare	0.96 (0.86, 1.08)	1.02 (0.89, 1.16)	0.82 (0.65, 1.02)	0.73 (0.60, 0.89)	0.86 (0.69, 1.08)

Models adjusted for age group, race, gender, diagnosis group, time on dialysis at listing, candidate status at listing, PRA, BMI group, education, malignancy, peripheral vascular disease, region, year of listing, log distance to center and community risk score

Model of deceased donor transplant excludes live donor transplants. Model of living donor transplant excludes deceased donor transplants.

*Delisting for reasons of “health deterioration” or “other”.

Supplementary Table 7. Secondary insurance at the time of initial listing by primary insurance group.

Secondary Insurance	Overall (N=302,457)	VA (N=3,663)	Private (N=141,523)	Medicare (N=132,026)	Medicaid (N=25,245)
None	63.6%	92.0%	77.0%	43.5%	89.2%
Medicaid	13.0%	0.55%	1.2%	28.4%	0.03%
Private	12.4%	1.4%	3.6%	24.1%	1.6%
Medicare	8.3%	4.5%	16.0%	0.52%	6.0%
Other	2.8%	1.5%	2.2%	3.5%	3.3%