

Supplementary Table 1. Primary health insurance coverage for kidney recipients transplanted after 1999 compared to national health insurance coverage in the U.S.

Primary Medical Insurance Type	National Coverage in 2010* (N=308 million), (%)	Kidney Recipients at the Time of Transplant ** (N=198,047), (%)
Medicare	20	51.3
Private Insurance	33	41
Unknown	9	0.0
Medicaid	15	5.4
Uninsured	19	0.7
Other Government (VA, DOD, CHIP)	4	1.6

* Centers for Medicare & Medicaid Services, Office of the Actuary, National Health Statistics Group, 2010.

** UNOS STAR Files 2000-2011

VA: Veterans Administration; DOD: Department of Defense; CHIP Children Health Insurance Plan.

Supplementary Table 2. Working for income status at last follow up for the kidney recipients*

Work Status	Reason For	All recipients (%)	Recipient age<65 (%)	Recipient age>65 (%)
	Not Working	N=99,173	N=83,949	N=15,224
No		58	54	79
	Disability	27	30	10
	Retired	13	6	60
	Other**	18	18	9
Yes		30	34	12
Unknown		12	12	9

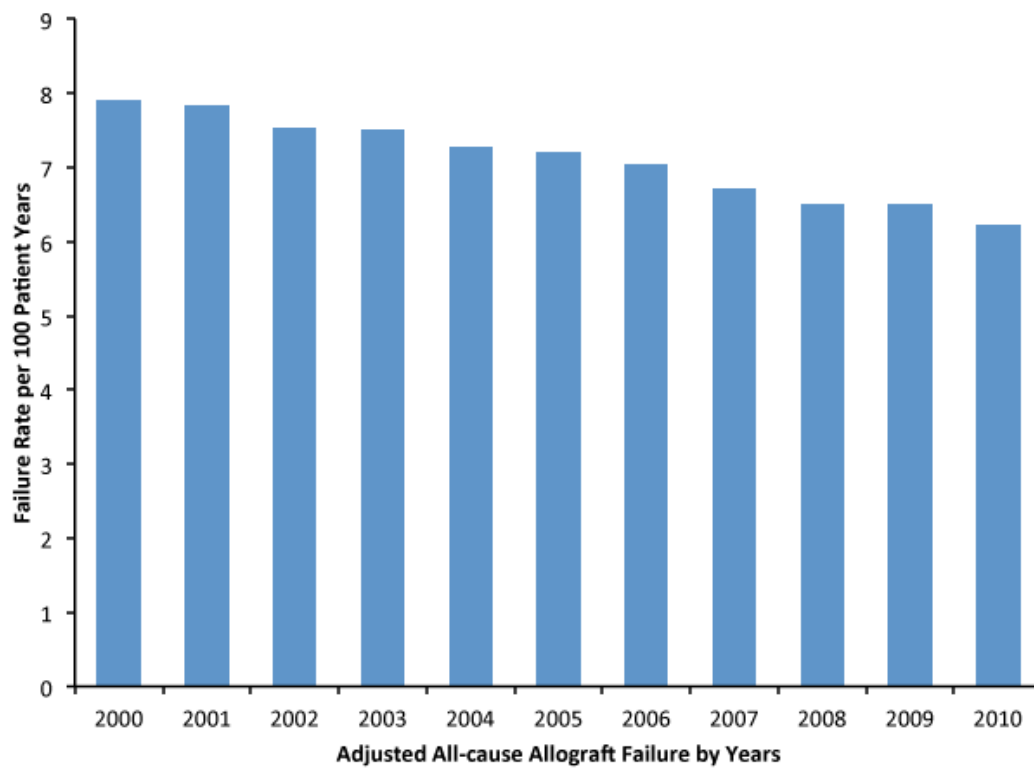
* UNOS STAR Files 2005-2011.

** Other includes the categories of unemployed, insurance conflict, inability to find a work, patient's choice, in school, home-maker, too sick to work.

Supplementary Table 3. Estimated Cost of Covering Immunosuppressive Medications for All Kidney Transplant Patients (the cost data reflects \$ amount in 2012, numbers rounded up to closest hundreds).

FACTS	NUMBERS
Kidney transplant recipients at risk for cost related non-adherence (patients without prescription plan)	43,500
Annual overall number of the kidney transplant failures	11,200
Estimated annual number of kidney transplant failures due to cost related non-adherence	1,300
Cost of immunosuppressive drugs per patient/year, commonly prescribed combination (Tacrolimus + Mycophenolate Mofetil + Prednisone)	\$22,300
Cost of immunosuppressive drugs per patient/year, commonly prescribed combination (Tacrolimus + Mycophenolate Mofetil + Prednisone) for patients with Medicare prescription drug coverage	\$15,000
Annual cost of hemodialysis to Medicare	\$88,000
Cost of kidney transplant to Medicare first year of transplantation	\$130,000
Cost of kidney transplant failure in first year	\$110,000
Annual cost of kidney transplant to Medicare, maintenance care after first year	\$33,000
Annual net saving for Medicare keeping functioning kidney compared with hemodialysis	\$55,000
Estimated Immunosuppressive medication cost to Medicare for extending coverage to the 43,500 kidney transplant recipients without prescription coverage	$43,500 \times \$15,000 = \652.5 million
Estimated cost of kidney transplant failure to Medicare due to cost related non-adherence for the first year	$1,300 \times \$110,000 = \143 million
Net additional cost to Medicare for extending coverage to the 43,500 kidney transplant recipients without prescription coverage for the first year of the program	$\$652.5 \text{ million} - \$143 \text{ million} = \$509.5 \text{ million}$
Minimum number to cover for cost saving for Medicare	$\$509.5 \text{ million} / \$55,000 = 9,264 \text{ patients without prescription drug coverage}$

Supplementary Figure 1. Adjusted All-Cause Allograft Failure Rates by Year*



* Data from US Renal Data System, USRDS 2012 Annual Data Report (http://www.usrds.org/2012/pdf/v2_ch7_12.pdf): Atlas of Chronic Kidney Disease and End-Stage Renal Disease in the US, National Institute of Health, National Institute of Diabetes, Digestive and Kidney Diseases, Bethesda, MD, 2012: Chapter 7, Volume 2: 283-94.