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Completed standard errors for this section will be available to download from the USRDS website

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Footnotes for the tables

for entire chapter:

†CMS began collecting Hispanic ethnicity data in April 1995; cells for years prior to 1996 have therefore been left blank.

*Values for cells with 10 or fewer patients are suppressed.

." Zero values in this cell.

For all probability tables (including supplement tables)

Probabilities are adjusted for age, gender, race, primary diagnosis,

first vs. subsequent transplant, & standardized to 1996 patient characteristics.

Adjusted survival probabilities for one of the five variables are adjusted for the remaining four.

Patients of unknown age or gender are excluded.

Age is calculated as of the day of transplant.

Table F.1

90-day graft survival probabilities: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	83.3	*	*	72.7	83.3	72.7	87.5	57.1	33.3	80.0	75.0	50.0	50.0	50.0
1-4	75.0	88.9	68.8	87.0	68.8	58.8	75.0	80.0	76.9	70.0	75.0	81.8	*	*
5-9	88.5	94.4	86.1	80.7	91.7	80.0	73.9	81.3	77.4	82.1	75.0	95.5	81.3	85.7
10-14	85.7	87.1	80.3	85.1	84.2	90.6	88.2	79.7	76.8	80.0	80.4	91.2	84.2	89.7
15-19	91.9	85.7	85.4	85.0	86.1	82.9	88.2	85.6	80.7	84.5	84.7	85.3	86.6	86.0
20-29	85.5	84.9	83.7	84.2	83.5	84.4	83.1	85.9	82.1	85.8	85.9	88.1	87.9	88.0
30-39	83.1	85.8	82.0	83.0	85.1	86.4	85.1	83.9	83.2	84.1	85.9	89.4	89.2	87.4
40-49	81.9	85.3	82.6	80.6	82.2	84.5	84.6	81.5	81.9	86.1	86.1	86.9	88.3	88.8
50-59	79.6	80.1	78.7	80.4	86.8	82.8	82.7	85.8	84.5	85.5	87.0	87.8	87.7	87.7
60-64	80.0	82.1	76.9	85.9	80.0	82.0	82.8	86.0	82.2	86.4	86.0	87.9	89.7	89.4
65-69	*	87.5	*	77.8	95.0	*	90.0	77.3	81.9	86.4	86.9	87.7	87.6	90.0
70-79	*	*	.	*	75.0	*	75.0	82.4	75.0	78.1	84.9	89.7	83.8	83.9
80+	.	.	.	.	*	.	.	.	.	.	.	*	*	.
Male	83.1	84.6	81.3	82.4	83.8	85.7	84.3	84.0	82.4	85.1	86.4	88.1	88.2	88.5
Female	84.4	85.4	83.5	82.8	84.9	82.7	84.0	83.7	82.8	85.5	85.5	87.8	88.5	87.4
White	84.9	86.0	83.2	83.6	84.3	85.1	84.5	83.4	82.8	85.5	86.0	88.2	88.6	88.1
African American	78.2	81.8	78.6	79.8	83.1	82.9	82.8	84.8	81.1	83.4	85.9	86.9	87.1	87.5
Other race	86.0	76.5	81.2	75.6	91.9	85.9	89.7	86.8	87.5	91.6	86.4	90.1	90.8	92.2
†Hispanic														
†Non-Hispanic														
Diabetes	82.1	86.3	86.0	84.4	87.3	87.2	83.9	84.7	82.0	86.9	86.1	88.6	87.8	89.8
Hypertension	84.8	84.3	79.0	83.0	84.8	84.7	84.1	85.1	84.3	84.4	87.4	88.3	88.3	88.3
Glomerulonephritis	87.0	86.1	81.4	80.7	82.8	84.1	84.8	83.5	82.3	84.8	85.6	88.8	89.5	87.5
Other cause	81.4	83.7	82.4	83.0	83.6	83.5	83.8	82.8	82.1	84.9	85.5	86.4	87.6	86.8
First transplant	84.4	85.8	82.8	84.0	86.2	86.0	85.5	85.0	84.1	86.3	86.8	88.8	89.0	88.9
Subsequent transplants	77.4	78.0	77.3	73.2	74.2	78.0	77.4	77.0	73.9	79.3	82.1	83.7	84.4	82.5
All	83.6	84.9	82.1	82.5	84.2	84.6	84.2	83.9	82.5	85.2	86.0	88.0	88.3	88.1
ADJUSTED														
0-19	87.4	85.7	81.3	82.7	83.6	80.1	84.7	81.4	76.5	81.8	80.2	86.4	84.9	85.9
20-44	83.2	84.4	81.9	82.1	84.1	85.4	84.7	83.8	82.4	85.2	85.6	88.8	88.7	88.1
45-64	78.0	81.3	79.3	80.6	82.7	82.7	82.3	84.2	82.9	84.9	86.7	86.8	88.0	88.3
65-74	*	88.0	*	76.8	90.8	*	86.0	76.2	79.9	83.9	85.5	87.2	86.0	88.7
75+	.	.	.	*	*	*	.	*	68.1	83.1	86.9	*	93.8	70.0
Male	80.8	82.5	78.8	80.5	82.3	84.6	83.3	83.1	81.6	84.3	85.9	87.8	87.9	88.3
Female	82.2	83.2	81.7	80.9	83.5	81.3	82.9	82.5	81.8	84.6	84.5	87.2	88.0	87.1
White	82.7	83.9	80.9	81.5	82.7	83.9	83.2	82.2	81.8	84.7	85.4	87.9	88.3	87.9
African American	77.4	80.9	77.7	79.4	82.7	82.5	82.6	84.9	80.9	83.2	85.8	86.8	86.9	87.4
Other race	83.8	73.0	77.6	71.1	90.8	84.0	88.0	84.7	86.1	91.0	85.2	89.3	90.0	91.5
Diabetes	79.6	83.8	83.2	81.5	84.9	85.4	81.6	82.7	79.9	85.2	84.5	87.4	86.6	89.0
Hypertension	86.0	85.0	80.3	84.3	86.1	85.9	85.7	86.5	85.8	85.7	88.5	89.5	89.4	89.4
Glomerulonephritis	85.8	84.5	79.8	79.2	81.9	83.0	83.8	82.7	81.4	83.9	85.1	88.3	89.1	87.0
Other cause	79.4	82.0	80.5	81.4	82.2	82.4	82.7	81.6	80.9	83.9	84.5	85.6	86.9	86.0
First transplant	82.2	83.6	80.5	82.1	84.7	84.9	84.4	84.1	83.4	85.6	86.2	88.4	88.7	88.8
Subsequent transplants	75.5	76.2	75.4	71.4	72.1	76.1	76.0	75.4	72.0	77.3	80.4	82.2	83.0	81.1
All	81.3	82.7	79.9	80.6	82.7	83.4	83.1	82.9	81.6	84.4	85.4	87.5	87.9	87.8

Table F.1

90-day graft survival probabilities: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	80.0	.	*	*	*	75.0	*	*	.	*	*
1-4	*	87.5	81.3	93.8	*	94.1	83.3	*	78.6	*	*
5-9	87.1	82.8	96.4	96.2	90.9	85.7	93.8	*	96.4	96.8	96.2
10-14	90.2	72.7	96.2	94.8	95.9	91.3	97.1	94.3	95.9	97.1	95.7
15-19	87.8	91.1	90.6	93.4	88.2	89.3	88.8	92.9	94.6	96.4	97.6
20-29	90.1	92.0	90.4	94.7	92.7	93.3	93.1	93.8	95.3	94.5	96.4
30-39	89.8	91.5	92.6	92.1	94.3	92.9	93.8	94.2	94.0	94.3	94.8
40-49	90.6	90.8	92.3	93.2	94.3	94.8	93.7	95.1	93.3	95.8	94.4
50-59	89.2	90.3	91.0	91.7	91.4	91.8	92.6	92.8	92.6	93.5	94.2
60-64	89.2	91.0	90.9	92.6	91.6	89.6	90.9	92.6	92.6	90.1	93.2
65-69	88.7	86.2	88.5	89.2	91.9	90.5	89.3	88.5	92.5	92.8	91.9
70-79	90.9	88.6	88.8	90.3	89.0	88.2	91.1	89.5	90.7	92.4	93.5
80+	*	*	*	*	*	*	*	*	*	*	*
Male	90.3	90.6	91.6	93.3	93.0	93.2	93.2	92.8	93.1	93.8	94.5
Female	89.0	90.7	91.4	91.2	92.6	91.2	91.8	94.0	93.2	94.0	93.9
White	89.7	90.3	91.7	92.3	92.7	92.4	93.0	93.2	93.7	94.5	94.6
African American	90.1	90.9	90.5	92.3	92.5	91.8	91.3	93.1	92.1	92.4	93.3
Other race	88.7	93.6	94.6	95.4	96.6	94.8	95.1	95.3	93.2	95.2	95.5
†Hispanic			92.9	93.8	94.6	93.3	94.7	94.5	95.2	94.9	94.9
†Non-Hispanic			91.4	92.3	92.6	92.3	92.4	93.1	92.8	93.7	94.2
Diabetes	91.0	91.2	92.1	86.2	92.9	92.2	93.0	93.5	93.0	93.5	93.8
Hypertension	90.4	90.2	92.4	92.7	93.7	92.7	91.5	92.4	92.3	93.9	94.6
Glomerulonephritis	89.5	90.6	91.5	93.3	92.8	92.9	93.0	93.8	93.5	93.7	94.1
Other cause	88.4	90.5	90.0	92.3	92.1	91.9	92.8	93.3	93.7	94.4	94.7
First transplant	90.5	91.3	91.9	92.9	93.3	92.7	93.1	93.5	93.3	94.1	94.7
Subsequent transplants	85.5	86.8	89.0	90.1	90.1	90.5	90.0	91.9	92.0	92.2	91.6
All	89.8	90.6	91.5	92.5	92.8	92.4	92.6	93.3	93.1	93.9	94.3
ADJUSTED											
0-19	87.9	86.4	91.9	93.9	91.8	89.1	90.4	94.9	93.7	96.7	96.7
20-44	90.4	91.7	92.3	93.3	94.3	93.8	93.9	94.7	94.6	95.0	95.3
45-64	89.6	90.6	91.3	92.4	92.3	92.2	92.7	93.6	92.8	93.7	94.2
65-74	89.1	86.5	88.6	89.5	91.5	90.0	89.9	89.0	92.0	92.7	92.9
75+	87.2	94.3	93.4	86.3	86.5	88.4	94.5	86.8	91.2	94.2	91.3
Male	90.3	90.6	91.7	93.5	93.4	93.4	93.6	93.3	93.6	94.4	95.0
Female	88.8	90.6	91.4	91.2	92.7	91.3	92.1	94.2	93.5	94.3	94.1
White	89.7	90.4	91.8	92.5	93.0	92.7	93.4	93.6	94.2	95.0	95.1
African American	90.1	91.1	90.4	92.3	92.7	91.9	91.5	93.2	92.2	92.6	93.5
Other race	88.6	93.0	95.1	95.2	96.5	94.7	95.1	95.4	93.2	95.4	95.5
Diabetes	90.5	90.7	91.9	91.7	93.2	92.3	93.3	93.7	93.3	94.0	94.3
Hypertension	91.4	91.3	93.3	93.5	94.6	93.6	92.8	93.6	93.5	94.9	95.4
Glomerulonephritis	89.2	90.5	91.5	93.3	92.8	93.0	93.2	93.9	93.7	94.0	94.3
Other cause	87.9	90.0	89.7	92.1	92.0	91.7	92.8	93.3	93.8	94.5	94.8
First transplant	90.6	91.4	92.1	93.1	93.7	93.1	93.5	94.0	93.9	94.7	95.2
Subsequent transplants	84.4	85.7	88.1	89.4	89.5	89.8	89.6	91.5	91.6	92.0	91.3
All	89.7	90.6	91.5	92.6	93.1	92.6	93.0	93.6	93.6	94.3	94.7

Table F.1
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	13.9	.	.	12.7	13.9	12.7	10.9	17.0	16.4	16.0	18.8	25.0	25.0	25.0
1-4	18.8	9.9	11.2	6.9	11.2	11.5	10.4	8.7	10.9	13.6	10.3	11.1	.	.
5-9	6.1	3.8	5.7	7.0	5.5	7.1	8.9	6.8	7.3	7.1	8.6	4.3	9.4	7.4
10-14	4.4	4.0	4.4	3.8	4.8	4.0	3.9	5.0	5.6	5.6	5.5	4.8	5.8	5.6
15-19	2.4	3.1	3.0	2.8	2.8	3.2	2.7	2.8	3.3	3.0	3.2	3.3	3.4	3.5
20-29	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.2	1.2	1.1	1.2	1.2
30-39	1.6	1.3	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.9
40-49	1.8	1.6	1.5	1.5	1.4	1.2	1.2	1.2	1.0	0.9	0.9	0.9	0.8	0.8
50-59	2.4	2.2	2.1	1.9	1.5	1.6	1.4	1.2	1.2	1.1	1.0	1.0	1.0	0.9
60-64	7.8	6.1	5.8	4.3	3.8	3.5	2.9	2.3	2.1	2.0	1.8	1.6	1.5	1.5
65-69	.	10.9	.	9.5	4.8	.	4.2	4.2	3.1	2.8	2.6	2.2	2.1	1.8
70-79	.	.	.	.	18.8	.	11.9	9.0	7.1	7.2	4.9	4.0	4.1	3.8
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.6	0.5
Female	1.3	1.2	1.2	1.1	1.0	1.1	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7
White	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5
African American	2.0	1.7	1.7	1.5	1.3	1.3	1.2	1.1	1.1	1.1	0.9	0.9	0.9	0.9
Other race	4.6	5.1	4.7	4.6	2.9	3.6	2.9	2.7	2.3	2.0	2.2	2.0	1.8	1.7
†Hispanic														
†Non-Hispanic														
Diabetes	2.4	1.9	1.7	1.6	1.3	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.9	0.7
Hypertension	2.3	2.1	2.0	1.7	1.6	1.5	1.4	1.2	1.1	1.2	1.0	0.9	0.9	0.9
Glomerulonephritis	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.8
Other cause	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
First transplant	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4
Subsequent transplants	2.7	2.5	2.3	2.1	1.8	1.7	1.6	1.6	1.5	1.5	1.3	1.2	1.2	1.4
All	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4

Table F.1
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	16.0	.	.	.	.	18.8	.	.	.	.	.
1-4	.	10.9	9.4	5.9	.	5.5	10.3	.	.	10.3	.
5-9	5.9	6.8	3.4	3.7	4.9	7.3	5.9	.	3.4	3.12	3.7
10-14	4.1	7.6	2.6	2.9	2.8	4.1	2.9	3.9	2.8	1.96	2.39
15-19	2.7	2.5	3.0	2.8	3.3	2.8	3.2	2.8	2.3	1.75	1.39
20-29	1.1	1.0	1.2	0.9	1.1	1.1	1.1	1.1	1.0	1.07	0.85
30-39	0.8	0.7	0.7	0.8	0.7	0.8	0.7	0.7	0.7	0.68	0.62
40-49	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.6	0.49	0.54
50-59	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.57	0.51
60-64	1.5	1.3	1.2	1.1	1.2	1.3	1.2	1.1	1.0	1.08	0.88
65-69	1.9	2.0	1.7	1.6	1.3	1.5	1.5	1.5	1.1	1.05	1.06
70-79	2.7	2.9	2.8	2.5	2.4	2.5	1.9	2.0	1.6	1.4	1.26
80+	.	.	.	.	.	.	.	.	.	.	.
Male	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.37	0.33
Female	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.45	0.43
White	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.34	0.33
African American	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.56	0.51
Other race	1.8	1.5	1.3	1.2	1.0	1.2	1.2	1.1	1.3	1	0.82
†Hispanic			1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.71	0.67
†Non-Hispanic			0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.31	0.29
Diabetes	0.7	0.7	0.6	0.7	0.6	0.7	0.6	0.6	0.6	0.52	0.49
Hypertension	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.63	0.56
Glomerulonephritis	0.8	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.56
Other cause	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.54	0.51
First transplant	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.27
Subsequent transplants	1.2	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.89	0.84
All	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.28	0.26

Table F.2

One-year graft survival probabilities: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	66.7	80.0	*	72.7	50.0	72.7	75.0	57.1	33.3	80.0	50.0	50.0	50.0	50.0
1-4	75.0	66.7	68.8	69.6	62.5	47.1	62.5	65.0	61.5	70.0	75.0	72.7	88.9	*
5-9	73.1	77.8	72.2	71.0	79.2	73.3	56.5	59.4	67.7	78.6	66.7	86.4	81.3	85.7
10-14	66.7	75.7	71.6	64.4	70.2	81.1	77.9	71.9	69.6	68.0	70.6	85.3	84.2	82.8
15-19	79.0	73.0	73.0	71.9	70.9	65.7	76.4	75.8	71.4	73.9	78.2	79.3	80.4	81.0
20-29	67.6	69.1	71.9	71.2	71.6	75.9	72.3	76.1	74.8	80.3	79.8	82.8	81.1	82.7
30-39	64.2	65.0	67.2	64.9	73.2	76.6	73.6	74.2	75.5	77.7	80.3	84.3	83.2	81.5
40-49	61.8	65.7	66.0	63.5	67.6	72.6	71.9	70.2	73.6	78.1	78.7	80.9	83.8	83.3
50-59	59.2	58.5	59.2	61.1	72.4	69.9	71.4	75.0	75.4	78.3	79.1	81.0	80.2	82.1
60-64	52.0	43.6	61.5	65.6	68.2	73.8	72.4	71.0	76.7	77.4	77.1	82.3	81.4	81.6
65-69	75.0	62.5	*	55.6	60.0	72.4	74.0	58.8	69.8	74.8	76.8	80.2	83.0	77.8
70-79	*	*	.	*	25.0	40.0	75.0	82.4	63.9	75.0	71.7	79.3	82.5	69.9
80+	.	.	.	.	*	.	.	.	.	.	.	*	66.7	.
Male	64.3	65.6	66.2	65.6	71.0	74.3	72.5	73.0	73.7	78.2	79.0	82.1	82.1	82.8
Female	65.6	66.2	69.2	66.0	70.9	72.6	72.8	73.1	75.5	77.7	78.9	82.0	82.6	80.6
White	67.2	68.7	69.1	67.8	72.1	74.5	73.9	73.1	75.3	78.9	79.6	82.7	82.8	82.2
African American	56.7	56.4	61.6	59.4	66.5	70.7	68.3	72.6	70.8	73.7	77.1	79.4	79.9	80.6
Other race	57.9	57.4	63.8	62.8	76.7	77.2	77.6	75.5	80.8	87.9	79.2	87.5	87.1	85.2
†Hispanic														
†Non-Hispanic														
Diabetes	61.1	66.8	68.4	62.9	72.4	76.3	72.1	73.5	73.6	80.6	78.6	81.9	81.8	82.9
Hypertension	64.8	65.3	63.9	66.1	70.4	73.5	71.9	72.2	75.4	76.7	78.5	82.1	82.0	82.8
Glomerulonephritis	68.8	66.0	67.8	67.7	71.9	74.6	74.1	73.9	75.5	78.2	79.8	82.9	83.4	82.1
Other cause	63.2	65.5	67.9	65.2	69.5	71.3	71.9	72.5	73.5	76.5	78.8	81.3	81.8	80.1
First transplant	65.7	66.9	68.2	67.5	73.0	75.8	73.8	74.1	76.0	79.3	79.9	82.9	82.9	82.5
Subsequent transplants	57.3	57.5	60.4	54.7	60.3	63.6	66.1	67.4	65.7	70.5	74.0	77.6	79.0	78.2
All	64.8	65.8	67.3	65.8	71.0	73.7	72.6	73.1	74.4	78.0	79.0	82.1	82.3	82.0
ADJUSTED														
0-19	70.6	70.5	69.8	66.9	68.2	66.0	71.7	70.1	67.1	71.5	72.6	79.7	80.4	81.3
20-44	63.7	64.8	67.2	65.1	71.3	75.7	73.0	73.7	74.6	78.6	79.5	83.1	82.9	82.4
45-64	55.1	58.2	60.6	61.9	68.0	70.0	70.7	72.1	74.5	77.1	78.6	80.8	81.3	82.3
65-74	78.4	53.0	*	54.6	50.6	65.2	72.2	59.4	67.1	72.9	74.2	78.6	81.9	76.3
75+	.	.	.	*	*	*	.	*	68.1	83.1	73.6	*	81.3	42.5
Male	59.7	61.5	62.3	62.3	68.4	72.5	70.7	71.5	72.6	77.1	78.3	81.5	81.7	82.5
Female	61.4	61.9	66.2	62.8	68.4	70.6	71.1	71.4	74.1	76.5	77.6	81.2	81.9	80.1
White	62.5	64.5	65.4	64.1	69.4	72.5	71.8	71.3	74.0	77.7	78.8	82.1	82.5	82.0
African American	55.2	54.8	60.3	58.5	65.6	70.1	67.8	72.2	70.5	73.4	76.8	79.1	79.6	80.5
Other race	53.1	52.2	58.0	56.9	74.1	74.3	74.2	72.0	78.8	87.0	77.4	86.5	86.0	84.1
Diabetes	54.9	61.3	62.9	57.4	67.5	73.0	68.3	70.2	70.8	78.2	76.3	80.2	80.2	81.6
Hypertension	66.3	66.6	66.1	68.2	72.8	75.3	74.5	74.1	77.5	78.6	80.3	83.6	83.8	84.3
Glomerulonephritis	66.0	62.8	65.0	65.1	70.2	73.0	72.2	72.3	74.2	77.0	79.0	82.2	82.9	81.4
Other cause	59.6	62.2	64.9	62.4	67.1	69.6	70.2	71.0	71.8	75.0	77.5	80.3	80.7	79.0
First transplant	61.3	62.7	64.7	64.3	70.4	74.0	72.0	72.5	74.9	78.3	79.2	82.3	82.5	82.4
Subsequent transplants	53.7	54.1	57.3	51.9	57.6	60.9	64.1	65.1	63.2	67.8	71.7	75.6	77.3	76.4
All	60.3	61.6	63.7	62.4	68.4	71.8	70.8	71.4	73.1	76.8	78.0	81.4	81.7	81.6

Table F.2

One-year graft survival probabilities: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	80.0	.	*	*	*	75.0	*	66.7	.	*	*
1-4	*	75.0	81.3	93.8	*	88.2	75.0	*	78.6	91.7	*
5-9	83.9	82.8	89.3	96.2	90.9	81.0	93.8	*	96.4	87.1	92.3
10-14	90.2	69.7	92.3	89.7	91.8	91.3	97.1	85.7	93.9	91.4	94.3
15-19	79.7	79.8	87.5	89.5	78.5	82.0	84.7	90.6	94.6	89.3	91.1
20-29	84.4	87.1	86.5	89.5	89.1	88.8	88.6	91.0	89.8	90.0	93.9
30-39	84.0	86.8	88.5	88.7	90.1	88.3	90.5	90.5	89.6	89.6	90.4
40-49	84.8	85.9	86.8	88.3	90.4	89.9	88.8	90.1	88.9	91.5	90.9
50-59	82.9	84.8	85.3	86.3	86.0	85.5	86.6	87.2	88.1	88.6	88.7
60-64	82.9	82.5	83.3	86.5	83.3	83.1	82.3	85.0	86.4	84.3	86.8
65-69	79.2	79.5	80.8	81.8	83.5	83.0	82.1	82.1	84.6	87.2	84.3
70-79	78.2	79.7	84.0	79.2	77.5	80.0	83.5	77.7	80.7	84.8	86.2
80+	50.0	*	*	*	*	75.0	83.3	*	85.7	91.7	*
Male	83.6	84.6	86.4	87.8	87.3	87.4	87.4	87.2	87.5	88.5	88.8
Female	83.6	85.9	85.8	86.5	88.0	85.9	87.0	89.1	88.8	89.3	90.1
White	84.0	85.0	86.7	87.6	87.7	87.7	88.6	88.5	89.0	89.6	89.6
African American	82.2	84.7	84.8	85.6	86.1	84.0	84.0	86.5	85.7	86.7	87.9
Other race	85.3	89.4	85.7	92.8	92.9	91.3	89.6	90.4	89.1	91.5	92.0
†Hispanic			87.8	89.5	91.8	88.8	91.1	91.4	92.3	90.9	91.4
†Non-Hispanic			86.0	87.1	87.0	86.5	86.7	87.4	87.4	88.5	88.9
Diabetes	84.6	86.1	86.4	86.2	87.2	87.0	86.5	88.2	87.3	88.2	87.6
Hypertension	83.5	84.8	87.3	86.2	86.3	86.1	85.1	85.7	86.2	87.9	89.4
Glomerulonephritis	83.6	84.8	86.0	89.0	88.6	86.9	88.6	89.5	89.2	89.0	90.2
Other cause	82.6	84.6	85.1	87.8	87.9	87.0	88.4	88.2	89.4	90.0	90.4
First transplant	84.2	85.8	86.5	87.6	88.1	87.2	87.8	88.4	88.2	89.3	89.9
Subsequent transplants	79.5	80.6	84.0	85.4	84.5	84.3	84.1	85.3	86.8	85.2	85.5
All	83.6	85.1	86.2	87.3	87.6	86.8	87.2	88.0	88.0	88.8	89.3
ADJUSTED											
0-19	82.4	78.0	88.2	90.3	85.2	83.6	87.2	91.0	93.1	89.1	92.1
20-44	84.7	87.0	87.6	89.1	90.3	89.1	90.2	90.9	90.4	90.8	91.6
45-64	83.4	84.7	85.6	87.0	86.9	86.5	86.5	88.0	88.0	88.7	89.2
65-74	78.6	79.2	81.2	81.1	82.0	82.3	82.4	81.0	83.6	86.8	85.4
75+	68.1	77.1	80.4	76.1	77.5	76.6	86.3	76.8	80.3	84.6	85.8
Male	83.6	84.6	86.5	88.2	87.7	87.9	88.0	88.1	88.4	89.4	89.7
Female	83.2	85.7	85.8	86.5	88.1	86.0	87.4	89.4	89.2	89.8	90.5
White	83.9	85.0	87.0	87.9	88.2	88.0	89.2	89.1	89.9	90.5	90.5
African American	82.1	84.7	84.7	85.7	86.2	84.1	84.1	86.7	85.9	86.9	88.1
Other race	84.7	88.3	85.2	92.5	92.6	91.2	89.6	90.4	89.1	91.8	92.1
Diabetes	83.7	85.4	86.0	86.2	87.3	87.2	87.0	88.6	87.8	89.0	88.4
Hypertension	85.1	86.3	88.6	87.8	88.0	87.7	87.0	87.8	88.2	89.6	90.8
Glomerulonephritis	83.2	84.6	85.9	89.0	88.6	87.1	88.8	89.7	89.5	89.4	90.6
Other cause	81.8	83.9	84.6	87.4	87.8	86.8	88.3	88.2	89.5	90.2	90.5
First transplant	84.3	86.0	86.8	88.1	88.6	87.8	88.5	89.2	89.2	90.3	90.8
Subsequent transplants	77.9	79.0	82.7	84.4	83.4	83.2	83.1	84.6	86.1	84.5	84.8
All	83.4	85.0	86.2	87.5	87.9	87.1	87.8	88.6	88.7	89.6	90.0

Table F.2
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	17.4	16.0	.	12.7	16.4	12.7	14.2	17.0	16.4	16.0	20.8	25.0	25.0	25.0
1-4	18.8	14.7	11.2	9.3	11.6	11.6	11.6	10.3	12.7	13.6	10.3	12.7	9.9	.
5-9	8.5	6.8	7.3	8.0	8.1	7.9	10.0	8.5	8.2	7.6	9.4	7.1	9.4	7.4
10-14	5.9	5.1	5.0	5.1	6.0	5.3	5.0	5.5	6.1	6.5	6.3	6.0	5.8	6.9
15-19	3.6	3.9	3.8	3.5	3.7	4.0	3.5	3.4	3.8	3.7	3.7	3.7	4.0	3.9
20-29	2.1	2.0	1.9	1.8	1.7	1.7	1.6	1.5	1.6	1.4	1.4	1.3	1.4	1.4
30-39	2.1	1.8	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.2	1.0	1.0	1.0	1.0
40-49	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.4	1.2	1.1	1.1	1.0	1.0	0.9
50-59	2.9	2.8	2.6	2.3	1.9	1.9	1.6	1.5	1.4	1.3	1.2	1.2	1.2	1.1
60-64	9.6	7.8	6.7	5.9	4.4	4.0	3.4	3.0	2.3	2.4	2.2	1.9	2.0	1.8
65-69	14.2	15.8	.	11.3	10.6	8.1	6.1	5.0	3.8	3.6	3.2	2.6	2.4	2.5
70-79	.	.	.	.	16.3	18.5	11.9	9.0	7.9	7.5	6.1	5.3	4.2	4.7
80+	.	.	.	.	.	.	.	.	.	.	.	.	22.2	.
Male	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.7	0.6
Female	1.7	1.6	1.4	1.4	1.3	1.3	1.1	1.1	0.9	0.9	0.9	0.8	0.8	0.8
White	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6
African American	2.4	2.2	2.0	1.8	1.7	1.5	1.4	1.4	1.3	1.3	1.1	1.1	1.1	1.0
Other race	6.5	5.9	5.7	5.2	4.5	4.4	4.0	3.5	2.7	2.4	2.6	2.2	2.0	2.2
†Hispanic														
†Non-Hispanic														
Diabetes	3.1	2.5	2.2	2.1	1.8	1.6	1.5	1.4	1.3	1.1	1.1	1.0	1.0	0.9
Hypertension	3.1	2.7	2.3	2.1	2.0	1.8	1.7	1.6	1.4	1.4	1.2	1.1	1.1	1.1
Glomerulonephritis	1.9	1.8	1.6	1.5	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.9	0.9	1.0
Other cause	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0
First transplant	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5
Subsequent transplants	3.2	2.9	2.7	2.4	2.1	1.9	1.8	1.8	1.7	1.7	1.4	1.4	1.4	1.5
All	1.1	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5

Table F.2
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	16.0	.	.	.	.	18.8	.	22.2	.	.	.
1-4	.	14.2	9.4	5.9	.	7.6	11.9	.	10.3	7.64	.
5-9	6.5	6.8	5.7	3.7	4.9	8.2	5.9	.	3.4	5.92	5.12
10-14	4.1	7.8	3.7	4.0	3.9	4.1	2.9	5.8	3.4	3.31	2.74
15-19	3.3	3.6	3.4	3.5	4.2	3.5	3.6	3.2	2.3	2.91	2.56
20-29	1.4	1.2	1.4	1.3	1.3	1.4	1.4	1.3	1.4	1.41	1.1
30-39	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.82
40-49	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.69	0.68
50-59	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.73	0.69
60-64	1.8	1.7	1.6	1.5	1.7	1.6	1.6	1.4	1.3	1.32	1.19
65-69	2.4	2.3	2.1	2.0	1.8	1.9	1.8	1.8	1.6	1.35	1.41
70-79	3.9	3.6	3.3	3.4	3.2	3.1	2.5	2.6	2.2	1.9	1.76
80+	25.0	.	.	.	.	18.8	13.9	.	12.2	7.64	.
Male	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.5	0.49	0.46
Female	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.59	0.54
White	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.46	0.44
African American	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.72	0.67
Other race	2.0	1.8	2.0	1.5	1.4	1.5	1.6	1.6	1.6	1.3	1.07
†Hispanic			1.4	1.2	1.0	1.2	1.1	1.0	0.9	0.92	0.85
†Non-Hispanic			0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.41	0.38
Diabetes	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.68	0.67
Hypertension	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.86	0.77
Glomerulonephritis	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.78	0.7
Other cause	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.7	0.67
First transplant	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.39	0.37
Subsequent transplants	1.4	1.3	1.3	1.2	1.2	1.3	1.3	1.2	1.1	1.18	1.07
All	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.37	0.35

Table F.3

Two-year graft survival probabilities: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	33.3	80.0	*	63.6	50.0	63.6	75.0	57.1	33.3	80.0	50.0	50.0	50.0	50.0
1-4	50.0	66.7	56.3	60.9	56.3	47.1	62.5	60.0	61.5	70.0	68.8	63.6	88.9	*
5-9	61.5	61.1	63.9	67.7	66.7	66.7	52.2	59.4	67.7	78.6	62.5	77.3	81.3	85.7
10-14	57.1	64.3	65.4	54.0	59.7	67.9	61.8	62.5	60.7	62.0	62.8	79.4	73.7	75.9
15-19	70.2	64.3	59.1	66.9	63.6	58.6	68.8	66.7	64.3	63.4	69.4	69.0	69.1	72.0
20-29	59.5	61.0	63.4	63.2	63.9	67.1	64.5	66.4	65.9	73.4	72.9	76.7	74.8	76.8
30-39	55.4	56.3	56.2	55.9	62.7	66.5	64.9	65.3	68.9	70.9	74.3	79.0	77.6	76.1
40-49	49.2	57.7	56.5	53.8	59.6	64.6	63.1	62.4	67.2	71.7	72.8	76.1	78.0	77.9
50-59	48.9	49.7	51.1	50.2	63.5	64.1	63.2	67.0	69.4	72.1	74.5	76.3	74.2	76.1
60-64	48.0	35.9	53.9	57.8	57.3	63.1	64.9	64.3	71.1	69.1	71.9	77.7	75.8	75.4
65-69	50.0	50.0	*	44.4	55.0	58.6	64.0	53.6	63.1	69.4	73.2	74.5	76.4	73.0
70-79	50.0	*	.	50.0	*	40.0	66.7	82.4	61.1	65.6	67.9	70.7	77.5	59.1
80+	.	.	.	.	*	.	.	.	.	.	.	*	66.7	.
Male	54.8	56.9	57.1	56.0	61.7	65.6	63.6	64.1	66.8	71.3	72.9	76.7	75.6	76.8
Female	54.9	57.8	58.6	58.0	62.6	64.2	65.0	65.9	69.3	71.2	73.7	76.9	77.4	75.3
White	57.9	60.7	60.5	59.5	64.0	67.8	66.6	66.4	70.2	73.5	74.7	78.2	78.0	77.5
African American	44.5	45.9	48.6	47.9	54.8	57.2	56.3	59.3	59.4	62.7	68.8	71.5	70.6	71.3
Other race	45.6	45.6	53.6	54.7	67.4	65.2	70.1	68.2	75.0	81.6	73.3	83.6	81.6	82.9
†Hispanic														
†Non-Hispanic														
Diabetes	52.4	58.6	57.0	53.9	61.2	68.6	64.0	64.6	68.1	74.1	72.4	76.6	75.5	76.6
Hypertension	52.9	58.3	52.6	55.5	59.6	60.4	60.5	61.4	66.7	67.2	71.8	75.3	74.5	74.4
Glomerulonephritis	60.5	57.5	59.2	58.8	64.3	66.8	65.7	66.9	69.1	71.9	73.9	77.9	77.4	77.8
Other cause	52.3	56.2	58.8	56.8	61.3	63.8	64.6	64.9	66.9	70.9	74.2	76.8	77.3	75.6
First transplant	55.9	58.3	58.7	58.8	64.1	67.7	65.6	65.5	69.3	72.3	74.3	77.8	77.0	76.7
Subsequent transplants	46.6	48.9	49.8	44.0	51.0	53.1	56.6	60.6	59.3	65.3	67.3	71.1	72.7	72.5
All	54.8	57.2	57.7	56.7	62.0	65.1	64.1	64.8	67.8	71.3	73.2	76.8	76.3	76.2
ADJUSTED														
0-19	59.2	59.2	58.4	59.7	59.5	57.5	62.2	62.3	60.8	63.5	64.6	70.2	70.7	74.0
20-44	54.0	56.3	57.1	56.1	61.8	66.5	64.5	64.7	67.4	71.5	73.3	77.8	76.9	77.0
45-64	44.0	49.2	51.8	51.5	59.5	62.5	62.3	64.3	68.3	70.7	73.4	75.9	75.6	76.3
65-74	48.0	41.3	*	38.7	42.1	52.7	62.0	54.8	61.4	66.3	70.3	72.3	75.5	69.5
75+	.	.	.	*	*	*	.	*	52.7	83.0	73.5	78.3	75.0	42.3
Male	49.7	52.3	52.8	52.2	58.5	63.5	61.5	62.3	65.5	69.9	72.0	76.0	75.1	76.4
Female	50.1	52.9	55.0	54.5	59.6	61.8	63.0	63.8	67.6	69.7	72.2	75.9	76.5	74.7
White	52.6	55.9	56.2	55.3	60.8	65.3	64.1	64.3	68.6	72.1	73.7	77.6	77.6	77.2
African American	42.8	44.4	47.2	46.9	53.8	56.4	55.8	58.7	59.0	62.3	68.4	71.1	70.3	71.2
Other race	40.5	40.2	47.2	48.1	64.1	61.3	65.9	64.0	72.5	80.3	71.0	82.3	80.1	81.6
Diabetes	45.5	52.5	50.6	47.8	55.2	64.5	59.7	60.6	64.9	71.1	69.7	74.4	73.4	75.0
Hypertension	54.7	59.7	55.4	58.0	62.7	62.8	63.8	63.9	69.4	69.8	74.1	77.4	76.9	76.6
Glomerulonephritis	57.3	53.9	55.9	55.8	62.2	64.8	63.5	65.1	67.5	70.4	72.9	77.1	76.7	77.0
Other cause	48.3	52.4	55.4	53.5	58.6	61.8	62.7	63.1	65.0	69.1	72.7	75.5	76.1	74.2
First transplant	50.8	53.6	54.7	55.0	60.9	65.4	63.4	63.7	68.0	71.1	73.4	77.2	76.5	76.6
Subsequent transplants	42.7	45.4	46.5	41.2	48.2	50.2	54.3	58.1	56.6	62.4	64.7	68.7	70.6	70.5
All	49.7	52.5	53.6	53.0	58.9	62.8	62.0	62.8	66.2	69.8	72.1	75.9	75.6	75.7

Table F.3

Two-year graft survival probabilities: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	80.0	.	*	33.3	*	75.0	*	66.7	.	50.0
1-4	*	75.0	75.0	87.5	*	88.2	66.7	*	78.6	91.7
5-9	83.9	72.4	82.1	92.3	87.9	81.0	87.5	96.3	89.3	83.9
10-14	84.3	57.6	84.6	86.2	85.7	89.1	94.1	77.1	87.8	82.9
15-19	71.0	71.0	75.0	77.6	71.0	75.4	68.4	78.8	82.8	75.9
20-29	78.6	81.0	79.9	84.0	83.1	81.2	81.4	86.1	84.0	83.6
30-39	79.2	82.7	83.7	82.7	86.5	84.1	83.5	85.2	85.3	83.9
40-49	78.8	81.3	80.7	83.3	85.2	84.7	83.6	83.9	84.0	86.6
50-59	77.7	80.6	80.1	80.9	80.7	80.8	81.2	80.8	82.1	83.2
60-64	76.2	76.5	77.9	80.5	76.3	78.0	78.1	78.5	79.0	78.8
65-69	71.7	72.1	75.6	74.3	78.3	75.0	76.4	76.3	76.7	79.2
70-79	71.8	71.5	77.6	72.9	68.8	72.4	75.5	72.5	74.9	78.0
80+	50.0	*	*	*	80.0	50.0	66.7	*	57.1	83.3
Male	78.0	79.4	80.8	81.7	82.1	82.2	81.7	81.3	81.4	82.7
Female	77.7	81.1	80.0	81.6	82.7	80.4	80.4	82.9	83.5	83.4
White	79.3	80.9	81.9	82.6	83.7	83.6	83.5	83.1	83.9	84.8
African American	74.0	77.0	76.4	78.6	78.5	75.8	76.2	78.9	78.4	78.8
Other race	79.9	85.5	82.9	86.6	86.5	86.9	83.0	85.7	83.8	85.8
†Hispanic			83.7	84.8	88.6	85.5	86.8	85.8	87.8	86.8
†Non-Hispanic			80.1	81.3	81.5	80.9	80.4	81.3	81.4	82.4
Diabetes	79.5	81.1	80.8	86.2	81.4	81.5	80.5	81.6	81.2	82.4
Hypertension	76.8	77.9	80.2	80.4	80.1	79.3	78.2	79.6	78.9	80.7
Glomerulonephritis	77.8	80.3	79.8	83.1	83.5	81.4	82.6	83.8	84.0	83.7
Other cause	77.3	80.4	81.0	83.1	83.9	83.2	83.0	82.7	84.5	84.8
First transplant	78.5	80.9	80.7	82.0	82.8	81.8	81.9	82.4	82.4	83.6
Subsequent transplants	74.0	74.8	78.8	79.4	79.3	79.4	77.1	78.6	81.3	78.7
All	77.9	80.1	80.5	81.7	82.3	81.5	81.2	81.9	82.2	83.0
ADJUSTED										
0-19	75.5	68.7	78.0	81.3	79.1	79.1	75.1	82.0	83.9	78.4
20-44	79.4	82.2	82.1	83.7	85.8	83.6	83.9	85.9	85.8	85.6
45-64	77.7	80.2	80.2	81.9	81.4	82.0	81.4	81.5	82.1	83.5
65-74	71.1	71.7	75.9	73.6	75.5	74.0	76.5	75.6	76.1	79.3
75+	68.3	65.5	67.5	72.8	73.1	73.7	67.4	68.8	75.0	77.9
Male	78.0	79.5	81.0	82.3	82.7	82.8	82.6	82.4	82.6	84.1
Female	77.3	80.9	80.0	81.5	82.8	80.5	80.9	83.5	84.1	84.1
White	79.2	81.0	82.2	83.0	84.2	84.0	84.3	84.0	85.1	86.0
African American	73.9	76.9	76.3	78.6	78.5	76.0	76.3	79.1	78.6	79.1
Other race	79.2	84.1	82.3	86.1	85.8	86.9	83.0	85.8	83.8	86.3
Diabetes	78.3	80.1	80.2	79.9	81.5	81.7	81.1	82.1	82.0	83.5
Hypertension	78.9	80.0	82.2	82.6	82.4	81.6	80.9	82.4	81.8	83.3
Glomerulonephritis	77.4	80.0	79.7	83.1	83.5	81.6	82.8	84.2	84.5	84.3
Other cause	76.3	79.6	80.4	82.7	83.7	82.9	82.9	82.6	84.6	85.1
First transplant	78.7	81.2	81.2	82.6	83.6	82.6	83.0	83.7	83.7	85.0
Subsequent transplants	72.1	72.7	77.1	78.1	77.9	78.1	75.8	77.6	80.4	77.8
All	77.7	80.0	80.5	82.0	82.7	81.9	81.9	82.8	83.2	84.1

Table F.3
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	16.4	16.0	.	13.7	16.4	13.7	14.2	17.0	16.4	16.0	20.8	25.0	25.0	25.0
1-4	20.8	14.7	11.9	9.9	11.9	11.6	11.6	10.6	12.7	13.6	11.0	13.7	9.9	.
5-9	9.3	8.0	7.9	8.2	9.3	8.4	10.1	8.5	8.2	7.6	9.6	8.7	9.4	7.4
10-14	6.2	5.7	5.2	5.3	6.4	6.3	5.8	6.0	6.4	6.8	6.7	6.8	7.0	7.8
15-19	4.1	4.2	4.2	3.7	3.9	4.1	3.8	3.8	4.0	4.0	4.1	4.3	4.7	4.5
20-29	2.2	2.1	2.0	1.9	1.8	1.8	1.7	1.7	1.7	1.5	1.5	1.4	1.6	1.5
30-39	2.1	1.9	1.7	1.6	1.5	1.5	1.4	1.4	1.2	1.3	1.1	1.1	1.1	1.1
40-49	2.3	2.2	1.9	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.1	1.0
50-59	3.0	2.8	2.6	2.4	2.1	2.0	1.8	1.6	1.5	1.4	1.3	1.3	1.3	1.2
60-64	9.6	7.5	6.8	6.1	4.7	4.3	3.6	3.2	2.4	2.7	2.4	2.0	2.2	2.0
65-69	16.1	16.1	.	11.2	10.7	8.9	6.7	5.0	3.9	3.8	3.4	2.9	2.7	2.7
70-79	25.0	.	.	25.0	.	18.5	12.9	9.0	8.0	8.2	6.3	5.9	4.6	5.1
80+	.	.	.	.	.	.	.	.	.	.	.	.	22.2	.
Male	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7
Female	1.8	1.7	1.5	1.5	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.9	0.9	0.9
White	1.3	1.2	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.6
African American	2.4	2.3	2.0	1.9	1.8	1.7	1.5	1.5	1.4	1.4	1.2	1.2	1.2	1.2
Other race	6.5	6.0	5.9	5.3	5.0	4.9	4.4	3.8	3.0	2.8	2.9	2.4	2.4	2.3
†Hispanic														
†Non-Hispanic														
Diabetes	3.1	2.7	2.4	2.2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0
Hypertension	3.2	2.8	2.4	2.2	2.2	2.0	1.8	1.7	1.5	1.5	1.3	1.3	1.3	1.2
Glomerulonephritis	2.0	1.9	1.7	1.6	1.4	1.5	1.3	1.3	1.2	1.2	1.1	1.0	1.1	1.1
Other cause	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.1
First transplant	1.2	1.1	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6
Subsequent transplants	3.3	3.0	2.8	2.4	2.1	2.0	1.9	1.9	1.7	1.7	1.5	1.5	1.5	1.6
All	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5

Table F.3
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	16.0	.	.	20.0	.	18.8	.	22.2	.	25
1-4	.	14.2	10.4	8.0	.	7.6	12.9	.	10.29	7.64
5-9	6.5	8.1	7.1	5.1	5.6	8.2	8.0	3.6	5.74	6.49
10-14	5.0	8.4	5.0	4.5	4.9	4.5	4.0	7.0	4.63	4.46
15-19	3.7	4.1	4.4	4.7	4.7	3.9	4.7	4.4	3.89	4.02
20-29	1.5	1.4	1.6	1.5	1.6	1.7	1.7	1.6	1.69	1.74
30-39	1.0	1.0	1.0	1.1	1.0	1.1	1.1	1.0	1	1.08
40-49	1.0	1.0	1.0	0.9	0.9	0.9	1.0	0.9	0.92	0.84
50-59	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.91	0.86
60-64	2.0	1.9	1.8	1.7	1.9	1.7	1.8	1.7	1.54	1.48
65-69	2.7	2.5	2.3	2.3	2.0	2.2	2.0	2.0	1.83	1.64
70-79	4.3	4.1	3.7	3.7	3.5	3.4	2.9	2.8	2.45	2.19
80+	25.0	.	.	.	16.0	20.8	17.4	.	16.97	10.28
Male	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.61	0.57
Female	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.71	0.71
White	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.56	0.54
African American	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.86
Other race	2.2	2.1	2.1	1.9	1.9	1.8	2.0	1.9	1.85	1.63
†Hispanic			1.6	1.5	1.2	1.3	1.3	1.2	1.08	1.09
†Non-Hispanic			0.5	0.5	0.5	0.5	0.6	0.5	0.51	0.49
Diabetes	1.0	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.85	0.81
Hypertension	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.09	1.04
Glomerulonephritis	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.91	0.92
Other cause	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.0	0.88	0.84
First transplant	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.47
Subsequent transplants	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.29	1.37
All	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.46	0.45

Table F.4

Three-year graft survival probabilities: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	16.7	80.0	*	63.6	50.0	63.6	50.0	57.1	33.3	80.0	*	50.0	50.0	50.0
1-4	50.0	44.4	56.3	56.5	43.8	35.3	62.5	60.0	61.5	70.0	68.8	63.6	88.9	*
5-9	57.7	55.6	55.6	64.5	54.2	63.3	43.5	56.3	67.7	75.0	62.5	77.3	75.0	76.2
10-14	49.2	52.9	54.3	48.3	52.6	56.6	48.5	59.4	50.0	56.0	51.0	76.5	71.1	62.1
15-19	61.3	58.7	55.5	58.1	57.6	52.9	59.0	52.9	54.3	57.8	58.9	63.8	60.8	62.0
20-29	55.1	53.4	57.2	57.6	57.0	59.0	58.0	59.4	61.0	66.1	66.2	71.1	69.4	69.4
30-39	48.3	50.4	48.4	49.5	55.0	58.0	57.8	58.4	63.3	64.8	69.6	73.8	73.2	70.5
40-49	43.3	48.9	50.2	46.8	53.4	57.3	54.5	54.4	60.9	66.5	67.5	69.8	71.8	72.1
50-59	43.7	41.5	44.6	43.6	57.0	57.0	54.5	60.6	64.6	66.1	69.1	70.1	68.9	71.9
60-64	44.0	33.3	42.3	43.8	45.5	54.1	60.3	55.7	66.2	64.1	66.7	71.7	71.7	67.9
65-69	50.0	25.0	*	44.4	50.0	51.7	58.0	50.5	57.1	61.2	64.9	67.0	70.1	66.3
70-79	*	*	.	50.0	*	40.0	58.3	70.6	52.8	59.4	62.3	65.5	68.8	53.8
80+	.	.	.	.	*	.	.	.	.	.	.	*	66.7	.
Male	49.3	49.7	49.8	49.5	54.0	57.5	55.6	56.6	61.0	65.2	67.6	70.4	70.0	70.6
Female	47.9	49.9	52.8	51.5	56.5	57.1	58.0	59.1	63.9	65.5	67.5	71.8	72.5	70.0
White	52.0	53.6	54.1	53.4	57.2	60.7	60.3	59.7	65.3	68.2	69.8	73.4	73.3	72.3
African American	38.3	36.7	40.5	39.5	46.9	47.5	44.3	50.3	51.7	54.4	60.6	62.7	63.3	63.3
Other race	38.6	42.7	46.4	52.3	61.6	57.6	66.4	61.6	69.2	76.3	69.9	77.6	77.1	78.2
†Hispanic														
†Non-Hispanic														
Diabetes	48.0	54.8	48.5	48.2	53.8	59.8	56.4	56.5	63.2	68.0	67.1	71.7	68.6	70.8
Hypertension	47.1	49.7	47.6	45.9	52.5	53.0	51.1	53.1	58.9	59.2	64.4	67.2	68.0	67.9
Glomerulonephritis	54.1	50.9	52.5	52.2	57.9	59.2	58.8	59.9	63.9	66.5	68.4	72.4	72.8	71.6
Other cause	46.0	47.4	51.9	51.2	53.8	56.4	57.1	58.7	61.9	65.8	69.3	71.4	73.6	70.5
First transplant	50.1	50.8	52.0	52.4	57.0	59.9	58.0	58.0	63.8	66.2	68.7	72.1	71.3	70.9
Subsequent transplants	38.9	42.6	42.7	36.3	44.0	45.4	48.6	55.0	53.0	60.0	61.8	64.3	69.0	66.3
All	48.8	49.8	50.9	50.2	54.9	57.4	56.4	57.6	62.1	65.3	67.6	70.9	71.0	70.3
ADJUSTED														
0-19	50.4	50.9	51.8	52.5	52.1	50.4	51.0	53.3	52.1	58.2	54.7	66.1	64.2	63.5
20-44	47.8	49.3	50.3	49.8	54.2	58.1	57.1	57.5	61.7	65.2	68.0	72.1	71.9	71.0
45-64	39.1	40.7	44.3	43.9	53.2	55.5	54.4	57.1	63.0	65.1	67.8	69.7	70.1	70.9
65-74	38.4	19.7	*	38.8	38.1	46.7	55.4	50.3	54.6	58.7	62.6	65.1	68.2	62.8
75+	.	.	.	*	*	*	.	*	53.4	65.8	61.0	78.7	75.5	43.1
Male	44.1	44.9	45.2	45.4	50.6	55.0	53.2	54.6	59.6	63.5	66.7	69.5	69.5	70.1
Female	42.7	44.5	48.8	47.6	53.3	54.4	55.7	56.9	61.9	63.8	65.8	70.6	71.4	69.3
White	46.4	48.4	49.4	48.8	53.6	57.9	57.5	57.4	63.5	66.7	68.7	72.7	72.8	72.0
African American	36.6	35.2	39.1	38.5	45.8	46.6	43.8	49.8	51.4	54.0	60.1	62.3	62.9	63.2
Other race	33.6	37.2	39.6	45.5	57.8	53.1	61.7	56.9	66.4	74.8	67.4	75.9	75.4	76.7
Diabetes	41.0	48.5	41.8	42.0	47.3	55.1	51.7	52.2	59.7	64.5	64.1	69.2	66.0	68.9
Hypertension	49.2	51.2	50.5	48.7	55.9	55.5	54.9	56.0	61.9	62.2	67.1	69.8	70.9	70.5
Glomerulonephritis	50.6	47.1	48.9	49.0	55.7	57.0	56.3	57.9	62.1	64.7	67.3	71.4	72.0	70.7
Other cause	41.8	43.3	48.2	47.6	50.7	54.1	54.9	56.7	59.8	63.7	67.6	69.9	72.1	68.9
First transplant	44.8	45.7	47.7	48.4	53.5	57.3	55.5	56.0	62.3	64.8	67.6	71.4	70.8	70.8
Subsequent transplants	35.1	39.0	39.3	33.5	41.2	42.4	46.1	52.2	50.0	56.9	59.0	61.5	66.7	63.9
All	43.5	44.7	46.5	46.2	51.5	54.8	54.1	55.4	60.4	63.6	66.3	69.9	70.2	69.8

Table F.4

Three-year graft survival probabilities: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002
<1	80.0	.	*	33.3	*	50.0	*	66.7	.
1-4	66.7	75.0	75.0	81.3	*	76.5	66.7	87.5	78.6
5-9	80.7	72.4	78.6	92.3	87.9	76.2	87.5	77.8	82.1
10-14	76.5	51.5	75.0	81.0	79.6	84.8	82.4	74.3	83.7
15-19	65.5	59.7	61.5	65.8	58.1	66.4	60.2	74.1	76.3
20-29	72.5	74.0	74.1	78.2	76.5	75.3	76.7	80.1	78.3
30-39	74.5	77.5	78.2	77.7	80.7	79.0	76.7	80.4	80.0
40-49	74.3	75.5	76.0	77.3	79.4	79.3	79.0	79.7	79.3
50-59	71.8	75.2	75.7	75.5	75.2	76.1	75.7	75.4	77.6
60-64	70.3	69.4	73.2	72.7	70.5	73.2	71.9	71.4	73.0
65-69	66.8	67.0	70.2	65.5	71.4	66.8	71.4	70.2	70.6
70-79	64.6	61.0	70.4	65.3	63.6	65.3	68.8	65.2	67.9
80+	50.0	*	66.7	*	60.0	50.0	66.7	75.0	42.9
Male	72.7	73.5	75.9	75.5	76.2	77.1	76.2	75.5	76.1
Female	72.6	75.2	74.4	75.7	76.6	74.2	74.6	78.0	78.4
White	75.1	75.9	77.6	77.4	78.1	78.6	78.6	78.3	79.4
African American	66.2	68.1	69.2	70.4	71.7	69.4	68.6	72.0	71.5
Other race	74.9	82.0	77.5	81.8	80.3	80.8	79.8	82.2	80.0
†Hispanic			79.7	81.0	83.9	80.0	82.6	81.5	83.5
†Non-Hispanic			74.9	75.0	75.3	75.4	74.6	75.8	76.0
Diabetes	74.1	75.5	75.5	86.2	75.1	75.7	74.9	75.8	76.8
Hypertension	71.1	69.5	73.6	73.4	74.1	72.7	71.0	73.0	72.7
Glomerulonephritis	71.9	74.5	75.5	77.0	77.0	76.3	76.9	79.3	78.3
Other cause	73.2	75.9	76.3	77.6	78.8	78.6	78.7	77.9	79.6
First transplant	73.1	75.0	75.6	76.0	77.0	76.4	76.5	77.1	77.3
Subsequent transplants	70.1	68.7	73.4	73.1	72.8	73.8	70.5	73.0	75.4
All	72.7	74.1	75.3	75.6	76.4	76.0	75.6	76.5	77.0
ADJUSTED									
0-19	69.1	60.1	67.8	73.5	70.7	70.6	66.7	75.0	78.1
20-44	74.5	76.4	77.0	78.2	79.8	78.5	78.2	81.1	80.6
45-64	72.4	74.5	75.6	76.0	76.0	77.0	76.2	76.2	77.5
65-74	65.8	65.3	69.8	65.2	69.0	65.9	70.9	69.2	70.1
75+	56.1	54.5	61.9	63.1	66.8	71.3	65.0	61.2	65.8
Male	72.7	73.5	76.1	76.3	77.0	77.9	77.3	77.0	77.6
Female	72.1	74.9	74.4	75.7	76.8	74.4	75.2	78.7	79.2
White	74.9	76.0	78.0	77.9	78.8	79.2	79.6	79.5	80.8
African American	66.1	68.0	69.1	70.5	71.8	69.6	68.8	72.3	71.9
Other race	74.1	80.3	76.7	81.0	79.3	80.7	79.8	82.2	80.0
Diabetes	72.7	74.4	74.8	74.2	75.3	75.9	75.7	76.4	77.7
Hypertension	73.7	72.3	76.1	76.2	77.1	75.6	74.5	76.7	76.4
Glomerulonephritis	71.4	74.2	75.3	77.0	77.0	76.6	77.2	79.8	78.9
Other cause	72.1	74.9	75.6	77.0	78.6	78.2	78.6	77.8	79.7
First transplant	73.3	75.3	76.2	76.8	77.9	77.3	77.8	78.6	79.0
Subsequent transplants	67.9	66.2	71.4	71.4	71.0	72.2	68.8	71.8	74.2
All	72.4	74.0	75.4	76.0	76.9	76.6	76.5	77.7	78.3

Table F.4
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	11.7	16.0	.	13.7	16.4	13.7	16.1	17.0	16.4	16.0	.	25.0	25.0	25.0
1-4	20.8	15.2	11.9	10.0	11.8	11.0	11.6	10.6	12.7	13.6	11.0	13.7	9.9	.
5-9	9.4	8.1	8.1	8.4	9.8	8.6	10.0	8.6	8.2	8.0	9.6	8.7	10.4	9.0
10-14	6.2	5.9	5.5	5.3	6.5	6.7	6.0	6.1	6.6	6.9	6.9	7.2	7.2	8.8
15-19	4.4	4.4	4.2	3.9	4.0	4.2	4.1	4.0	4.2	4.1	4.4	4.4	4.9	4.8
20-29	2.3	2.2	2.0	1.9	1.9	1.9	1.7	1.8	1.8	1.7	1.6	1.6	1.7	1.7
30-39	2.1	1.9	1.8	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2
40-49	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.5	1.3	1.3	1.2	1.2	1.2	1.1
50-59	2.9	2.8	2.6	2.3	2.1	2.1	1.8	1.7	1.5	1.5	1.4	1.4	1.4	1.3
60-64	9.6	7.4	6.7	6.1	4.7	4.5	3.7	3.3	2.6	2.8	2.5	2.2	2.3	2.2
65-69	16.1	13.2	.	11.2	10.8	9.1	6.9	5.0	4.0	4.0	3.7	3.1	2.9	2.9
70-79	.	.	.	25.0	.	18.5	13.5	10.7	8.2	8.5	6.6	6.2	5.1	5.1
80+	.	.	.	.	.	.	.	.	.	.	.	.	22.2	.
Male	1.4	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8
Female	1.8	1.7	1.6	1.5	1.4	1.4	1.2	1.2	1.0	1.1	1.0	0.9	0.9	0.9
White	1.3	1.2	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7
African American	2.4	2.2	2.0	1.8	1.8	1.7	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2
Other race	6.4	5.9	5.9	5.3	5.2	5.1	4.5	3.9	3.2	3.1	3.0	2.7	2.6	2.6
†Hispanic														
†Non-Hispanic														
Diabetes	3.1	2.7	2.4	2.2	2.0	1.8	1.6	1.6	1.4	1.3	1.3	1.2	1.2	1.1
Hypertension	3.2	2.9	2.4	2.2	2.2	2.1	1.8	1.7	1.5	1.6	1.4	1.4	1.4	1.3
Glomerulonephritis	2.0	1.9	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.1
Other cause	1.6	1.6	1.6	1.5	1.5	1.5	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.1
First transplant	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.6
Subsequent transplants	3.2	2.9	2.8	2.3	2.1	2.0	1.9	1.9	1.7	1.8	1.6	1.6	1.6	1.7
All	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6

Table F.4
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002
<1	16.0	.	.	20.0	.	20.8	.	22.22	.
1-4	17.4	14.2	10.4	9.4	.	9.9	12.9	10.94	10.29
5-9	7.0	8.1	7.6	5.1	5.6	9.0	8.0	7.83	7.1
10-14	5.9	8.5	5.9	5.1	5.7	5.2	6.4	7.26	5.22
15-19	3.9	4.4	4.9	5.4	5.1	4.3	4.9	4.72	4.37
20-29	1.7	1.6	1.7	1.7	1.8	1.9	1.9	1.85	1.9
30-39	1.1	1.1	1.2	1.2	1.1	1.2	1.2	1.16	1.13
40-49	1.1	1.1	1.0	1.0	1.1	1.1	1.1	1.03	1.01
50-59	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.07	0.99
60-64	2.2	2.1	1.9	1.9	2.0	1.9	1.9	1.83	1.68
65-69	2.8	2.7	2.4	2.5	2.2	2.4	2.2	2.13	1.97
70-79	4.5	4.4	4.1	4.0	3.6	3.6	3.1	3.02	2.64
80+	25.0	.	22.2	.	19.2	20.8	17.4	18.75	16.64
Male	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.67
Female	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.83	0.79
White	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.66	0.61
African American	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.01	0.99
Other race	2.4	2.3	2.4	2.2	2.2	2.1	2.2	2.07	2.01
†Hispanic			1.7	1.6	1.4	1.5	1.4	1.37	1.22
†Non-Hispanic			0.6	0.6	0.6	0.6	0.6	0.58	0.56
Diabetes	1.1	1.0	1.0	1.1	1.1	1.1	1.1	0.99	0.92
Hypertension	1.2	1.3	1.2	1.2	1.3	1.3	1.3	1.2	1.19
Glomerulonephritis	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.06	1.03
Other cause	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.05	0.98
First transplant	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.57	0.55
Subsequent transplants	1.6	1.6	1.5	1.5	1.5	1.5	1.6	1.53	1.43
All	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.54	0.51

Table F.5

Five-year graft survival probabilities: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	16.7	80.0	*	63.6	50.0	54.6	37.5	57.1	33.3	60.0	*	50.0	50.0	50.0
1-4	50.0	44.4	43.8	47.8	43.8	35.3	50.0	60.0	61.5	70.0	68.8	54.6	77.8	*
5-9	46.2	36.1	38.9	54.8	54.2	56.7	39.1	50.0	61.3	67.9	54.2	50.0	68.8	71.4
10-14	38.1	41.4	35.8	41.4	42.1	43.4	36.8	53.1	44.6	46.0	43.1	73.5	55.3	41.4
15-19	50.8	50.0	45.3	50.6	48.3	37.9	41.7	41.8	42.1	46.5	44.4	52.6	48.5	50.0
20-29	46.4	43.7	49.2	49.7	47.4	45.9	46.2	48.7	49.9	55.6	58.2	60.8	58.1	59.5
30-39	36.9	42.5	42.4	41.1	43.8	45.9	48.6	46.4	52.6	55.0	58.6	62.1	63.5	61.4
40-49	34.6	39.3	40.6	37.6	43.2	43.5	41.4	42.9	52.3	58.0	57.2	58.8	59.4	62.9
50-59	32.4	31.0	32.7	35.1	44.3	44.8	41.2	48.6	54.7	54.6	57.8	58.0	57.9	58.9
60-64	20.0	28.2	36.5	34.4	29.1	38.5	43.1	42.1	55.1	53.8	57.6	55.9	61.3	56.4
65-69	50.0	*	33.3	27.8	40.0	34.5	40.0	33.0	47.0	52.4	53.0	54.6	53.9	48.9
70-79	*	*	.	*	*	40.0	33.3	64.7	47.2	46.9	47.2	44.8	52.5	39.8
80+	.	.	.	.	*	.	.	.	.	.	.	*	66.7	.
Male	38.8	40.4	40.7	40.6	43.1	44.8	43.6	44.6	51.3	54.6	56.7	58.1	58.6	59.3
Female	38.5	40.6	44.3	43.7	46.0	43.8	45.7	48.2	53.6	56.7	58.0	60.9	61.1	60.0
White	42.5	44.6	45.6	45.3	47.4	48.5	49.1	49.5	55.8	59.2	60.1	62.7	62.7	62.4
African American	25.8	25.8	29.8	29.4	32.6	32.3	30.0	34.0	40.1	41.5	47.2	47.6	48.9	49.9
Other race	29.8	36.8	42.0	46.5	52.3	46.7	53.3	53.0	60.6	67.4	64.4	66.0	69.7	69.7
†Hispanic														
†Non-Hispanic														
Diabetes	38.1	44.0	39.8	38.6	43.0	44.1	44.1	43.0	50.9	55.4	55.0	58.1	55.9	58.7
Hypertension	34.0	38.3	35.9	35.7	38.9	40.2	37.9	39.1	47.8	46.9	53.2	53.2	54.9	54.4
Glomerulonephritis	44.7	41.8	43.8	45.6	48.5	48.7	47.5	48.8	54.1	58.3	58.5	60.7	61.8	61.4
Other cause	36.2	39.1	44.0	42.4	43.0	43.0	45.2	49.4	54.0	57.8	60.5	62.8	64.3	62.9
First transplant	40.2	41.5	43.0	43.9	46.2	47.1	45.7	46.6	53.7	56.5	58.3	60.2	59.6	60.1
Subsequent transplants	27.4	32.6	34.6	28.1	33.7	32.1	37.4	41.9	44.1	48.7	51.6	53.5	59.3	56.1
All	38.7	40.5	42.0	41.7	44.2	44.5	44.4	45.9	52.2	55.4	57.2	59.2	59.6	59.6
ADJUSTED														
0-19	40.1	40.4	38.7	45.2	44.4	38.1	36.6	45.2	43.1	48.2	44.0	55.0	51.8	51.7
20-44	38.1	40.4	43.3	41.4	43.8	45.4	46.2	45.8	51.3	55.1	58.0	61.0	61.0	62.0
45-64	28.2	31.0	32.8	34.8	40.5	41.9	40.6	45.1	53.2	55.1	57.0	57.1	58.6	58.9
65-74	37.9	*	29.5	23.9	30.1	31.5	36.0	33.9	44.9	49.5	49.5	50.4	51.9	46.3
75+	.	.	.	*	*	*	.	*	54.2	33.0	50.1	56.8	57.7	24.8
Male	33.6	35.5	36.0	36.4	39.5	42.0	41.0	42.4	49.8	52.7	55.6	57.0	58.0	58.8
Female	33.2	35.0	40.1	39.7	42.5	40.9	43.2	45.8	51.3	54.7	55.9	59.3	59.7	59.1
White	36.7	39.2	40.7	40.5	43.7	45.4	46.0	47.0	53.9	57.5	58.9	61.9	62.1	62.0
African American	24.3	24.6	28.5	28.6	31.5	31.3	29.5	33.6	39.8	41.1	46.8	47.2	48.5	49.9
Other race	25.4	31.3	35.2	39.5	48.0	41.8	47.9	48.0	57.3	65.4	61.5	63.6	67.6	67.8
Diabetes	31.0	37.5	33.3	32.5	36.3	38.8	39.1	38.5	47.2	51.3	51.5	55.0	52.9	56.3
Hypertension	36.2	39.9	38.9	38.6	42.6	42.9	41.9	42.2	51.3	50.2	56.3	56.4	58.6	57.7
Glomerulonephritis	41.0	37.6	39.9	42.1	46.1	46.1	44.6	46.6	52.0	56.3	57.1	59.4	60.7	60.2
Other cause	32.1	34.9	40.1	38.6	39.7	40.5	42.6	47.3	51.7	55.6	58.5	61.0	62.6	61.0
First transplant	34.9	36.4	38.5	39.7	42.4	44.2	43.0	44.5	52.1	54.9	57.1	59.3	59.0	59.9
Subsequent transplants	23.8	29.2	31.2	25.5	31.0	29.1	34.9	38.9	40.8	45.1	48.3	50.3	56.5	53.2
All	33.4	35.3	37.4	37.5	40.6	41.6	41.8	43.7	50.3	53.4	55.7	57.9	58.6	58.9

Table F.5

Five-year graft survival probabilities: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000
<1	80.0	.	66.7	33.3	*	50.0	*
1-4	66.7	75.0	68.8	81.3	90.9	76.5	50.0
5-9	74.2	58.6	75.0	88.5	72.7	76.2	87.5
10-14	68.6	48.5	59.6	62.1	67.4	73.9	73.5
15-19	47.3	47.6	51.0	46.1	48.4	52.5	46.9
20-29	58.0	61.8	62.2	65.5	63.9	64.3	65.3
30-39	64.4	66.6	66.7	67.1	69.1	68.8	67.5
40-49	63.4	64.5	65.2	67.3	69.0	70.0	69.1
50-59	61.2	63.5	62.6	64.8	63.6	65.5	64.4
60-64	56.4	55.5	61.9	60.1	57.4	59.2	60.8
65-69	50.2	55.5	57.0	51.9	60.1	54.8	56.8
70-79	49.1	40.7	51.2	51.4	50.9	50.0	51.3
80+	50.0	*	66.7	*	60.0	50.0	33.3
Male	60.5	62.4	63.7	64.0	64.4	65.5	64.1
Female	61.7	62.6	63.0	65.0	65.5	64.8	65.2
White	64.0	65.2	66.5	67.2	68.1	68.6	67.8
African American	52.5	53.7	54.5	56.4	56.5	56.3	55.9
Other race	64.9	72.4	69.8	73.3	70.5	72.9	74.6
†Hispanic			71.0	69.0	74.0	69.6	70.4
†Non-Hispanic			62.6	63.9	63.6	64.6	63.8
Diabetes	60.1	63.3	62.3	86.2	62.0	63.3	63.0
Hypertension	58.2	56.3	58.8	61.9	60.4	60.2	57.7
Glomerulonephritis	60.2	62.8	64.7	66.4	67.2	65.5	66.8
Other cause	64.9	66.2	67.1	67.7	69.1	71.0	69.5
First transplant	61.3	63.1	63.9	64.5	65.4	65.4	65.6
Subsequent transplants	58.9	58.5	60.0	63.4	61.7	64.0	58.7
All	61.0	62.4	63.4	64.4	64.9	65.2	64.6
ADJUSTED							
0-19	55.5	50.1	57.0	58.2	59.6	60.2	55.8
20-44	63.3	65.5	66.0	67.5	68.6	68.8	68.6
45-64	61.1	62.5	63.4	65.3	64.5	66.0	65.5
65-74	49.3	51.4	55.1	51.1	57.2	53.2	55.3
75+	47.7	38.9	45.1	58.5	59.8	56.6	51.1
Male	60.6	62.4	64.0	65.0	65.5	66.6	65.6
Female	61.0	62.2	63.0	64.9	65.8	64.9	66.0
White	63.9	65.3	67.0	67.8	69.1	69.4	69.3
African American	52.4	53.7	54.4	56.5	56.6	56.5	56.1
Other race	63.8	70.2	69.0	72.4	69.0	72.7	74.6
Diabetes	58.1	61.8	61.2	61.4	62.2	63.5	64.1
Hypertension	61.6	59.8	62.3	65.6	64.6	63.9	62.2
Glomerulonephritis	59.5	62.3	64.5	66.4	67.2	65.9	67.3
Other cause	63.6	65.0	66.2	66.9	68.9	70.6	69.4
First transplant	61.6	63.6	64.7	65.6	66.7	66.7	67.4
Subsequent transplants	56.1	55.5	57.4	61.3	59.5	62.0	56.5
All	60.7	62.3	63.6	64.9	65.6	66.0	65.8

Table F.5
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	11.7	16.0	.	13.7	16.4	14.1	15.3	17.0	16.4	19.2	.	25.0	25.0	25.0
1-4	20.8	15.2	11.8	10.1	11.8	11.0	11.9	10.6	12.7	13.6	11.0	14.1	13.0	.
5-9	9.5	7.8	7.9	8.7	9.8	8.8	9.8	8.6	8.6	8.6	9.9	10.3	11.2	9.6
10-14	6.0	5.8	5.3	5.2	6.4	6.7	5.8	6.2	6.5	6.9	6.8	7.4	7.9	8.9
15-19	4.5	4.4	4.2	3.9	4.0	4.1	4.1	4.0	4.2	4.2	4.4	4.6	5.0	5.0
20-29	2.3	2.1	2.1	2.0	1.9	1.9	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.8
30-39	2.1	1.9	1.7	1.6	1.5	1.6	1.4	1.4	1.3	1.4	1.3	1.3	1.3	1.3
40-49	2.2	2.1	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.2
50-59	2.8	2.6	2.4	2.2	2.1	2.1	1.8	1.7	1.6	1.6	1.5	1.5	1.5	1.4
60-64	7.5	7.0	6.6	5.9	4.3	4.4	3.7	3.3	2.7	2.9	2.6	2.4	2.5	2.3
65-69	16.1	.	20.0	9.9	10.5	8.5	6.8	4.7	4.1	4.1	3.8	3.3	3.2	3.0
70-79	.	.	.	.	.	18.5	12.5	11.2	8.1	8.6	6.8	6.4	5.5	5.0
80+	.	.	.	.	.	.	.	.	.	.	.	.	22.2	.
Male	1.4	1.3	1.2	1.1	1.1	1.1	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8
Female	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0
White	1.3	1.2	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.8	0.7
African American	2.1	2.0	1.8	1.7	1.7	1.6	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
Other race	6.0	5.8	5.9	5.3	5.3	5.2	4.8	4.0	3.4	3.4	3.1	3.1	2.8	2.9
†Hispanic														
†Non-Hispanic														
Diabetes	3.1	2.7	2.3	2.1	2.0	1.9	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2
Hypertension	3.0	2.8	2.3	2.1	2.1	2.0	1.8	1.7	1.6	1.6	1.5	1.5	1.5	1.4
Glomerulonephritis	2.0	1.9	1.7	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2
Other cause	1.6	1.5	1.5	1.5	1.4	1.5	1.3	1.3	1.2	1.3	1.2	1.2	1.2	1.2
First transplant	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.8	0.7	0.7	0.7	0.7
Subsequent transplants	2.9	2.8	2.6	2.1	2.0	1.9	1.8	1.9	1.7	1.8	1.6	1.7	1.7	1.8
All	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.7	0.6

Table F.5
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000
<1	16.0	.	22.2	20.0	.	20.83	.
1-4	17.4	14.2	11.2	9.4	8.3	9.94	13.56
5-9	7.7	8.9	8.0	6.1	7.6	8.95	8
10-14	6.4	8.5	6.7	6.3	6.6	6.39	7.44
15-19	4.1	4.5	5.1	5.7	5.1	4.49	5
20-29	1.8	1.8	1.9	2.0	2.1	2.12	2.1
30-39	1.2	1.2	1.3	1.4	1.3	1.36	1.37
40-49	1.2	1.2	1.2	1.2	1.2	1.2	1.23
50-59	1.3	1.3	1.3	1.3	1.3	1.26	1.27
60-64	2.4	2.2	2.1	2.1	2.2	2.06	2.06
65-69	3.0	2.8	2.6	2.6	2.4	2.48	2.36
70-79	4.7	4.4	4.4	4.1	3.8	3.81	3.33
80+	25.0	.	22.2	.	19.2	20.83	16.38
Male	0.8	0.8	0.8	0.8	0.8	0.79	0.8
Female	1.0	1.0	1.0	1.0	1.0	1	1
White	0.7	0.7	0.7	0.7	0.8	0.75	0.76
African American	1.2	1.2	1.2	1.2	1.2	1.19	1.17
Other race	2.7	2.7	2.6	2.5	2.5	2.4	2.34
†Hispanic			1.9	1.9	1.7	1.72	1.7
†Non-Hispanic			0.6	0.7	0.7	0.66	0.67
Diabetes	1.2	1.2	1.2	1.2	1.2	1.18	1.18
Hypertension	1.3	1.4	1.4	1.4	1.4	1.42	1.42
Glomerulonephritis	1.2	1.2	1.2	1.2	1.2	1.22	1.22
Other cause	1.2	1.2	1.2	1.2	1.2	1.16	1.18
First transplant	0.7	0.7	0.7	0.7	0.7	0.67	0.67
Subsequent transplants	1.7	1.7	1.7	1.6	1.7	1.65	1.68
All	0.6	0.6	0.6	0.6	0.6	0.62	0.62

Table F.6

Ten-year graft survival probabilities: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<1	*	80.0	*	63.6	50.0	54.6	37.5	42.9	*	60.0	*	50.0	50.0	50.0	80.0	.
1-4	50.0	44.4	43.8	47.8	25.0	23.5	43.8	45.0	38.5	50.0	62.5	45.5	66.7	77.8	33.3	75.0
5-9	38.5	30.6	38.9	38.7	45.8	30.0	21.7	34.4	48.4	35.7	29.2	45.5	25.0	57.1	64.5	37.9
10-14	25.4	25.7	23.5	29.9	24.6	32.1	27.9	28.1	23.2	22.0	21.6	38.2	31.6	24.1	41.2	33.3
15-19	37.1	41.3	32.1	38.1	34.4	24.3	29.9	33.3	27.9	29.6	29.0	31.9	29.9	36.0	27.7	25.0
20-29	32.0	33.1	36.8	34.5	30.4	32.5	29.9	33.4	33.3	37.3	38.8	39.9	34.5	38.9	39.1	39.7
30-39	23.5	26.8	29.7	27.5	25.9	27.8	29.5	29.0	33.1	35.3	38.0	38.3	39.8	39.3	42.3	44.9
40-49	20.7	23.0	24.1	22.1	24.3	24.5	24.2	27.7	31.6	35.9	34.7	37.0	35.8	40.3	41.0	42.8
50-59	18.7	18.4	17.8	18.7	22.3	17.5	21.7	27.4	31.7	30.9	32.3	31.3	30.0	33.9	33.8	38.0
60-64	12.0	7.7	21.2	12.5	7.3	15.6	19.5	20.4	26.0	23.9	27.0	28.6	25.5	31.9	28.1	27.6
65-69	12.5	*	33.3	11.1	10.0	6.9	18.0	14.4	16.8	23.1	20.8	23.8	21.6	20.7	22.3	27.2
70-79	*	*	.	*	*	20.0	*	35.3	25.0	15.6	22.6	8.6	18.8	9.7	16.4	14.6
80+	.	.	.	.	*	.	.	.	.	.	.	*	33.3	.	*	*
Male	24.2	26.3	26.6	25.7	24.7	25.5	26.1	27.4	30.5	32.2	33.7	34.0	32.6	36.1	36.3	38.4
Female	26.4	27.8	31.6	29.3	27.3	25.9	26.9	30.8	32.6	35.6	35.8	37.0	35.7	37.3	38.6	40.2
White	28.8	30.8	32.2	30.8	29.0	29.5	30.7	32.4	34.5	37.3	37.7	37.8	36.9	39.4	40.9	42.1
African American	12.0	12.1	15.6	14.2	13.8	13.5	13.5	15.9	20.4	19.9	23.8	25.2	22.8	26.4	26.1	29.2
Other race	17.5	25.0	30.4	30.2	36.1	31.5	31.8	39.1	41.4	44.2	40.3	49.6	45.8	48.6	45.8	50.2
†Hispanic																
†Non-Hispanic																
Diabetes	20.6	24.5	25.4	21.3	20.5	22.6	20.4	23.0	25.2	27.7	30.1	29.1	26.0	31.2	30.1	35.5
Hypertension	19.7	21.0	21.1	19.6	18.9	17.8	18.5	20.6	25.1	24.8	29.4	28.4	26.7	31.6	31.6	31.7
Glomerulonephritis	30.4	29.0	30.7	32.1	30.7	31.5	31.5	32.4	35.4	37.9	37.6	39.7	37.9	38.7	40.5	41.8
Other cause	24.1	27.8	30.8	28.4	26.7	26.1	29.9	34.0	35.7	39.4	38.4	40.9	42.3	44.1	46.1	46.1
First transplant	26.5	27.8	29.0	28.8	27.3	27.7	27.4	29.5	32.2	34.4	34.8	35.9	33.9	37.1	37.2	40.0
Subsequent transplants	13.3	19.9	24.0	16.1	16.9	16.1	21.1	24.2	26.4	28.5	33.0	31.5	33.1	33.1	37.4	33.0
All	25.0	26.8	28.5	27.0	25.7	25.6	26.4	28.7	31.3	33.6	34.5	35.2	33.8	36.6	37.2	39.0
ADJUSTED																
0-19	27.7	31.1	28.9	33.9	30.1	24.7	26.2	31.8	27.1	28.7	27.8	34.9	30.3	36.9	36.1	29.9
20-44	24.0	26.9	30.1	27.1	26.1	28.5	28.4	29.3	32.6	35.6	37.3	39.3	37.6	40.3	42.3	44.0
45-64	16.3	16.1	17.1	18.1	19.5	17.9	20.9	25.6	29.1	29.6	31.4	30.5	30.0	34.2	34.5	37.4
65-74	9.1	*	29.9	10.8	7.1	5.1	13.1	15.3	17.0	20.2	19.8	19.5	19.8	17.2	19.6	23.7
75+	.	.	.	*	*	*	.	*	31.4	*	24.5	*	27.0	21.7	32.7	*
Male	19.6	21.7	22.2	21.7	21.4	22.5	23.5	25.2	28.9	30.1	32.6	32.8	31.9	35.4	36.3	38.4
Female	21.0	22.3	27.1	25.1	23.6	23.1	24.4	28.2	30.1	33.3	33.3	35.1	33.8	36.0	37.6	39.7
White	23.3	25.6	27.2	26.0	25.3	26.4	27.7	29.9	32.5	35.5	36.4	36.7	36.2	38.9	40.8	42.3
African American	11.1	11.5	14.8	13.7	13.3	12.9	13.2	15.7	20.3	19.5	23.6	24.9	22.5	26.4	26.1	29.2
Other race	14.5	19.5	23.5	23.2	31.1	26.2	26.6	33.9	37.4	41.3	36.3	46.0	42.5	46.2	44.4	46.9
Diabetes	15.0	19.0	19.7	16.6	15.5	18.1	16.3	19.2	22.0	23.8	26.7	25.9	23.0	28.5	27.8	33.6
Hypertension	21.5	22.0	23.7	22.3	22.1	19.9	22.0	23.3	28.7	27.8	33.0	31.8	30.8	35.2	35.7	35.6
Glomerulonephritis	26.3	24.7	26.6	28.1	27.9	28.6	28.3	30.0	32.9	35.3	35.8	38.1	36.5	37.2	39.6	41.2
Other cause	20.2	23.6	26.7	24.5	23.4	23.5	27.2	31.6	33.3	37.0	36.3	38.7	40.1	41.9	44.5	44.6
First transplant	21.6	22.9	24.7	24.6	23.7	24.7	24.7	27.2	30.6	32.6	33.5	34.8	33.1	36.8	37.4	40.6
Subsequent transplants	10.7	16.7	20.6	13.8	14.7	13.6	18.6	21.2	23.1	24.6	29.5	27.9	29.5	30.0	34.0	29.3
All	20.1	22.0	23.9	22.9	22.2	22.8	23.8	26.3	29.3	31.3	32.8	33.7	32.6	35.7	36.7	38.8

Table F.6
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<1	.	16	.	13.68	16.41	14.08	15.29	16.64	.	19.21	.	25	25	25	16	.
1-4	20.83	15.15	11.78	10.07	10.02	9.53	11.78	10.69	12.54	14.68	11.53	13.97	14.66	13.01	16.38	14.24
5-9	9.2	7.5	7.9	8.5	9.8	8.1	8.1	8.1	8.8	8.8	8.9	10.2	10.0	10.5	8.4	8.7
10-14	5.4	5.1	4.6	4.8	5.6	6.3	5.4	5.5	5.5	5.7	5.6	8.1	7.3	7.6	6.8	8.0
15-19	4.3	4.4	4.0	3.8	3.8	3.6	3.8	3.8	3.8	3.8	4.0	4.3	4.6	4.8	3.7	3.9
20-29	2.1	2.0	2.0	1.9	1.8	1.8	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8
30-39	1.8	1.7	1.6	1.4	1.4	1.4	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
40-49	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2
50-59	2.3	2.2	2.0	1.8	1.8	1.6	1.5	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3
60-64	5.9	3.9	5.5	4.0	2.4	3.2	3.0	2.7	2.4	2.5	2.3	2.2	2.2	2.2	2.1	2.0
65-69	9.1	.	20.0	6.5	5.9	4.1	5.3	3.5	3.0	3.5	3.1	2.8	2.6	2.5	2.5	2.5
70-79	.	.	.	.	.	13.6	.	11.0	7.0	6.1	5.6	3.5	4.3	3.0	3.5	3.1
80+	.	.	.	.	.	.	.	.	.	.	.	.	20.0	.	.	.
Male	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Female	1.6	1.6	1.5	1.3	1.2	1.2	1.1	1.1	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0
White	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.7
African American	1.6	1.5	1.5	1.3	1.2	1.2	1.0	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Other race	4.9	5.2	5.5	4.9	5.1	4.8	4.5	4.0	3.4	3.6	3.2	3.3	3.0	3.1	2.8	3.0
†Hispanic																
†Non-Hispanic																
Diabetes	2.5	2.3	2.1	1.8	1.6	1.6	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1
Hypertension	2.5	2.3	2.0	1.8	1.7	1.6	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3
Glomerulonephritis	1.9	1.7	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2
Other cause	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.3	1.2	1.3	1.2	1.2	1.3	1.2	1.2	1.2
First transplant	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Subsequent transplants	2.2	2.4	2.4	1.7	1.6	1.5	1.5	1.6	1.5	1.6	1.5	1.6	1.6	1.7	1.6	1.6
All	1.0	0.9	0.9	0.8	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6

Table F.7

90-day graft survival probabilities: all living donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	*	*	50.0	*	85.7	*	*	62.5	62.5	91.7	80.0	*	50.0	92.9
1-4	*	*	76.9	93.8	84.6	*	*	89.5	70.0	*	92.3	88.2	84.6	78.6
5-9	94.7	94.1	82.1	85.0	*	85.7	73.9	85.2	94.1	81.8	90.5	93.1	96.3	90.9
10-14	93.2	97.5	87.0	94.6	96.7	95.9	94.7	89.5	90.2	*	78.6	97.9	97.7	97.4
15-19	95.2	95.2	95.3	94.2	94.3	90.9	95.8	95.8	95.0	98.6	91.0	93.7	92.1	97.4
20-29	97.1	96.5	94.6	93.7	92.0	95.1	95.7	94.9	93.2	92.2	93.9	95.5	93.5	95.0
30-39	94.4	94.0	92.2	93.4	94.1	94.9	96.6	95.7	91.7	93.4	93.2	95.4	93.0	93.9
40-49	95.4	92.7	91.5	94.4	95.4	95.0	95.9	94.2	95.4	92.8	90.7	94.9	93.9	96.6
50-59	94.6	91.8	96.9	93.4	94.2	93.1	95.7	94.6	92.7	93.6	92.3	94.4	95.0	90.3
60-64	.	*	92.3	90.9	93.8	95.2	93.4	94.2	83.3	90.9	92.9	93.3	93.9	96.9
65-69	*	*	*	80.0	*	*	93.6	93.1	*	83.3	88.9	82.4	93.0	97.1
70-79	.	.	.	*	*	*	71.4	*	.	.	*	*	*	85.7
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	94.5	94.3	92.8	93.3	93.9	95.1	95.3	94.7	90.7	93.5	92.2	95.2	94.0	95.0
Female	97.2	95.2	92.8	94.1	93.9	93.7	96.0	94.2	95.4	92.9	92.3	94.4	92.8	93.6
White	95.6	95.3	93.0	93.2	94.4	94.8	95.5	94.4	92.0	93.5	92.2	95.0	93.7	94.6
African American	95.1	91.1	90.5	94.9	89.6	93.8	95.5	94.0	94.9	90.2	91.9	92.9	91.6	93.4
Other race	*	89.7	97.4	97.6	98.0	91.7	96.4	96.3	97.5	98.0	93.0	*	96.2	94.9
†Hispanic														
†Non-Hispanic														
Diabetes	96.2	92.0	89.8	90.5	93.2	92.5	96.0	93.1	91.6	95.1	90.5	94.1	90.4	93.4
Hypertension	97.1	96.1	92.9	95.1	94.4	96.7	94.9	97.6	90.9	91.1	88.5	94.9	94.4	95.2
Glomerulonephritis	95.9	96.7	93.2	95.0	93.7	95.6	95.6	93.6	92.1	93.7	95.4	96.6	94.3	95.4
Other cause	94.9	93.4	93.8	93.3	94.3	94.0	95.5	94.8	94.3	92.2	91.2	93.8	94.4	93.7
First transplant	95.5	94.7	93.0	93.8	94.1	94.8	95.4	94.9	92.7	93.5	92.8	95.3	93.6	94.6
Subsequent transplants	97.8	92.5	90.1	90.2	91.7	92.4	96.6	90.3	91.3	90.2	86.2	90.4	92.4	91.7
All	95.6	94.6	92.8	93.6	93.9	94.5	95.6	94.5	92.6	93.2	92.2	94.9	93.5	94.4
ADJUSTED														
0-19	93.4	95.1	88.4	92.3	94.0	91.3	92.0	90.1	89.4	95.5	86.3	93.3	90.6	93.7
20-44	95.7	94.2	92.6	93.3	93.0	95.2	96.3	95.3	92.5	92.8	93.3	95.4	93.7	94.7
45-64	93.3	93.2	95.5	94.6	95.4	93.4	95.2	93.9	93.9	92.9	90.5	94.8	93.7	93.8
65-74	*	*	*	81.9	*	*	88.1	93.6	*	84.5	88.1	84.8	92.5	94.9
75+	.	.	.	.	.	*	*	*	.	.	*	.	.	.
Male	93.5	93.3	92.1	92.7	93.3	94.8	95.1	94.3	90.1	93.1	91.4	94.9	93.6	94.8
Female	96.9	95.0	92.5	93.7	93.7	93.4	95.8	94.1	95.2	92.6	92.0	94.6	92.9	93.6
White	94.9	94.8	92.5	92.6	94.1	94.5	95.4	94.2	91.6	93.0	91.8	94.8	93.5	94.4
African American	95.0	91.0	90.3	94.8	89.6	93.7	95.5	94.0	94.9	90.9	91.9	93.4	91.6	93.4
Other race	*	88.7	96.8	97.4	97.8	90.8	96.0	96.0	97.1	98.0	92.7	*	95.9	94.6
Diabetes	95.5	90.8	88.4	89.0	92.1	91.6	95.5	92.4	90.3	94.5	89.4	93.7	89.7	93.1
Hypertension	97.0	96.2	93.7	95.4	94.6	96.9	95.5	97.7	91.6	91.1	88.5	94.9	94.6	95.4
Glomerulonephritis	95.4	96.6	92.7	94.8	93.4	95.4	95.4	93.4	91.6	93.8	95.0	96.4	94.2	95.3
Other cause	94.5	92.7	93.7	92.9	94.2	93.6	95.3	94.8	94.2	91.6	90.7	93.6	94.1	93.4
First transplant	94.8	94.2	92.5	93.4	93.8	94.5	95.3	94.8	92.3	93.2	92.2	95.3	93.4	94.6
Subsequent transplants	97.4	91.4	89.0	89.0	90.7	91.6	96.3	89.3	90.3	89.5	85.4	89.7	91.8	91.0
All	94.9	94.0	92.2	93.1	93.5	94.2	95.4	94.2	92.1	92.9	91.6	94.7	93.3	94.2

Table F.7

90-day graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	*	81.8	*	*	90.0	*	75.0	92.3	*	91.7	*
1-4	87.5	93.3	86.4	*	86.7	92.3	87.5	*	*	91.7	94.7
5-9	93.8	91.7	88.9	*	96.2	*	92.9	88.9	96.3	96.6	*
10-14	95.1	*	97.7	96.9	94.9	94.7	92.9	97.4	*	*	97.9
15-19	95.0	89.2	96.2	97.8	93.8	*	98.4	92.3	97.8	*	95.1
20-29	95.5	95.6	96.2	96.5	95.6	97.3	97.3	96.6	97.3	97.6	97.3
30-39	93.2	96.2	95.7	96.9	97.6	96.0	97.0	97.0	97.0	96.8	96.1
40-49	94.7	94.8	95.0	94.3	97.3	96.3	95.1	95.7	96.6	96.7	97.8
50-59	95.9	93.8	94.7	94.9	96.3	95.1	96.4	96.8	96.0	97.7	97.8
60-64	90.5	89.8	98.3	94.7	94.8	96.7	96.0	95.3	96.9	95.3	96.0
65-69	97.4	87.7	93.0	95.6	97.4	96.5	94.9	95.5	96.8	94.5	98.5
70-79	*	90.5	95.5	93.3	90.2	95.7	95.4	95.7	95.3	95.4	94.8
80+	.	.	.	.	.	*	.	*	*	*	*
Male	94.8	94.4	95.9	96.2	96.5	97.1	96.2	96.2	96.8	97.1	97.9
Female	94.4	94.4	94.7	95.2	96.0	95.2	96.0	96.0	96.6	96.3	96.1
White	94.6	94.6	95.4	95.6	96.2	95.9	96.4	96.2	96.7	96.7	96.9
African American	93.4	93.1	95.1	96.6	96.6	97.0	94.6	95.1	97.0	96.5	97.5
Other race	98.9	95.7	97.2	95.8	97.7	*	95.3	98.2	96.5	99.5	98.8
†Hispanic			96.1	96.2	95.7	96.5	96.8	96.6	98.2	97.1	97.5
†Non-Hispanic			95.3	95.7	96.4	96.3	95.9	96.1	96.5	96.7	97.1
Diabetes	94.0	93.6	94.6	86.2	95.6	96.0	95.6	96.2	96.5	96.2	96.9
Hypertension	93.9	94.7	96.6	96.7	97.4	95.4	97.6	95.9	98.0	97.1	97.4
Glomerulonephritis	95.4	94.6	96.3	95.2	96.6	96.5	94.8	95.9	97.0	97.1	97.3
Other cause	94.7	94.6	94.3	96.3	96.0	96.8	96.6	96.4	96.0	96.8	97.1
First transplant	95.1	94.4	95.6	95.9	96.5	96.6	96.2	96.3	97.1	96.6	97.3
Subsequent transplants	90.4	94.7	93.8	94.1	94.3	93.6	94.9	94.9	94.1	97.6	96.0
All	94.6	94.4	95.4	95.8	96.3	96.3	96.1	96.1	96.7	96.8	97.2
ADJUSTED											
0-19	93.6	90.3	93.3	97.9	92.4	97.5	94.3	92.4	98.2	97.8	96.0
20-44	94.6	95.4	95.8	96.2	96.7	96.7	96.9	96.5	96.5	97.1	96.6
45-64	94.5	94.3	95.4	94.7	96.7	95.8	95.9	96.4	97.0	97.0	97.7
65-74	97.8	89.8	93.2	94.6	95.1	96.3	95.2	96.4	96.6	95.0	97.6
75+	.	61.0	*	*	*	*	93.6	83.9	92.5	95.6	97.3
Male	94.6	94.2	95.9	96.2	96.6	97.2	96.5	96.4	97.1	97.3	98.1
Female	94.3	94.6	94.7	95.2	96.1	95.3	96.0	96.1	96.7	96.5	96.3
White	94.4	94.5	95.3	95.5	96.3	96.0	96.7	96.5	96.9	96.9	97.2
African American	93.5	93.4	95.1	96.7	96.6	97.0	94.7	95.1	97.1	96.6	97.5
Other race	98.9	95.5	97.3	95.8	97.6	*	95.1	98.2	96.7	99.5	98.8
Diabetes	93.8	93.5	94.7	95.2	95.7	96.2	95.9	96.5	96.8	96.5	97.2
Hypertension	94.1	95.0	96.9	97.0	97.6	95.7	97.8	96.2	98.2	97.4	97.7
Glomerulonephritis	95.1	94.4	96.2	95.2	96.5	96.5	95.1	96.0	97.0	97.2	97.4
Other cause	94.4	94.5	94.2	96.2	96.0	96.8	96.6	96.4	96.0	96.9	97.2
First transplant	95.0	94.4	95.6	96.0	96.7	96.8	96.5	96.5	97.3	96.9	97.5
Subsequent transplants	89.4	94.3	93.3	93.6	93.8	93.1	94.9	94.6	93.8	97.5	95.7
All	94.5	94.3	95.4	95.8	96.4	96.4	96.3	96.3	96.9	97.0	97.4

Table F.7
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	.	25.0	.	12.2	.	.	15.8	15.8	7.6	16.0	.	18.1	6.6
1-4	.	.	11.2	5.9	9.6	.	.	6.9	13.6	.	7.1	7.6	9.6	10.5
5-9	5.0	5.5	7.1	7.8	.	7.4	8.8	6.7	5.5	8.0	6.3	4.6	3.6	5.8
10-14	3.7	2.4	4.9	3.0	2.3	2.8	3.5	4.9	4.6	.	7.6	2.1	2.3	2.5
15-19	2.7	2.1	2.1	2.1	2.5	3.3	2.1	2.1	2.4	1.4	3.2	2.7	3.1	1.8
20-29	1.0	1.1	1.2	1.2	1.5	1.1	1.0	1.1	1.4	1.5	1.3	1.1	1.3	1.1
30-39	1.6	1.3	1.4	1.3	1.2	1.0	0.8	0.9	1.5	1.4	1.3	1.1	1.3	1.2
40-49	1.8	2.1	1.9	1.5	1.4	1.2	1.0	1.2	1.6	1.8	1.8	1.3	1.4	1.0
50-59	3.7	3.0	1.5	2.1	1.8	1.7	1.2	1.3	2.5	2.1	2.2	1.7	1.6	1.8
60-64	.	.	7.1	8.3	4.2	3.3	3.1	2.8	8.5	4.9	4.8	3.7	3.4	2.2
65-69	.	.	.	16.0	.	.	4.3	4.6	.	13.9	7.2	9.0	3.8	2.9
70-79	.	.	.	.	.	.	15.7	.	.	.	.	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.1	0.9	0.9	0.9	0.8	0.7	0.6	0.7	1.1	0.9	1.0	0.7	0.8	0.7
Female	0.9	1.1	1.2	1.0	1.0	1.0	0.7	0.9	1.0	1.2	1.1	0.9	1.0	0.9
White	0.8	0.7	0.8	0.8	0.7	0.6	0.5	0.6	0.9	0.8	0.8	0.6	0.7	0.6
African American	2.4	2.7	2.2	1.6	2.2	1.6	1.3	1.4	1.9	2.4	2.2	1.8	1.9	1.5
Other race	.	4.8	2.5	2.3	2.0	3.5	2.0	2.1	2.4	2.0	3.8	.	2.6	2.8
†Hispanic														
†Non-Hispanic														
Diabetes	1.9	2.3	2.1	1.9	1.6	1.4	1.0	1.3	1.8	1.3	1.7	1.2	1.6	1.3
Hypertension	2.0	1.9	2.1	1.7	1.7	1.2	1.3	1.0	2.6	2.4	2.7	1.6	1.5	1.3
Glomerulonephritis	1.2	1.0	1.2	1.0	1.1	0.9	0.8	1.0	1.4	1.2	1.0	0.9	1.1	1.0
Other cause	1.2	1.2	1.2	1.2	1.1	1.1	0.8	0.9	1.2	1.4	1.4	1.1	1.0	1.0
First transplant	0.8	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.8	0.8	0.8	0.6	0.7	0.6
Subsequent transplants	2.2	4.1	3.5	3.1	2.4	2.2	1.3	2.2	2.8	3.1	3.3	2.5	2.3	2.3
All	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.8	0.7	0.7	0.6	0.6	0.6

Table F.7
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	.	11.1	.	.	9.0	.	18.8	7.1	.	7.64	.
1-4	10.9	6.2	7.1	.	8.5	7.1	8.0	.	.	5.52	4.99
5-9	5.9	5.5	5.9	.	3.7	.	6.6	5.9	3.6	3.33	.
10-14	3.3	.	2.3	3.0	3.5	3.6	4.8	2.6	.	.	2.08
15-19	2.4	3.6	2.2	1.6	3.0	.	1.6	3.0	1.5	.	2.36
20-29	1.0	1.1	1.0	1.0	1.1	0.9	0.9	0.9	0.9	0.73	0.78
30-39	1.2	0.9	0.9	0.9	0.7	1.0	0.8	0.7	0.7	0.7	0.76
40-49	1.1	1.1	1.0	1.1	0.8	0.9	0.9	0.8	0.7	0.66	0.54
50-59	1.2	1.3	1.2	1.2	1.0	1.1	0.9	0.7	0.7	0.54	0.51
60-64	3.7	3.0	1.2	1.9	2.0	1.5	1.5	1.3	1.0	1.17	1.1
65-69	2.5	4.0	2.7	2.1	1.5	1.7	1.7	1.5	1.1	1.34	0.66
70-79	.	6.3	4.3	4.5	4.6	3.0	2.3	2.1	1.7	1.84	1.79
80+	.	.	.	.	.	.	.	.	.	.	.
Male	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.37	0.31
Female	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.49	0.5
White	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.34	0.33
African American	1.4	1.4	1.2	1.0	1.0	0.9	1.1	1.0	0.7	0.75	0.61
Other race	1.1	2.1	2.0	2.1	1.6	.	2.1	1.1	1.4	0.53	0.71
†Hispanic			1.2	1.1	1.2	1.0	0.9	0.9	0.6	0.75	0.7
†Non-Hispanic			0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.32	0.3
Diabetes	1.2	1.2	1.1	1.0	0.9	0.9	0.9	0.7	0.6	0.65	0.58
Hypertension	1.3	1.3	1.0	1.0	0.9	1.1	0.7	0.9	0.6	0.74	0.64
Glomerulonephritis	0.9	0.9	0.8	0.8	0.8	0.7	0.9	0.7	0.6	0.53	0.53
Other cause	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.52	0.48
First transplant	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.32	0.28
Subsequent transplants	2.2	1.6	1.7	1.7	1.5	1.6	1.3	1.2	1.2	0.71	0.95
All	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.27

Table F.8

One-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	*	*	50.0	75.0	85.7	80.0	*	62.5	62.5	91.7	80.0	*	50.0	92.9
1-4	75.0	*	61.5	68.8	76.9	75.0	80.0	89.5	70.0	*	84.6	88.2	84.6	78.6
5-9	89.5	88.2	71.4	75.0	92.0	85.7	69.6	74.1	82.4	81.8	90.5	93.1	92.6	77.3
10-14	88.6	92.5	80.4	87.5	88.3	85.7	94.7	84.2	85.4	*	67.9	93.6	90.7	92.3
15-19	88.9	87.4	89.6	82.5	85.1	85.7	90.5	90.5	90.0	95.8	85.9	91.1	85.5	93.5
20-29	89.3	89.7	88.3	88.5	87.4	89.4	90.1	88.5	88.7	88.7	92.2	93.2	91.2	91.6
30-39	90.6	83.2	84.9	87.8	89.2	87.3	92.5	89.9	87.4	90.6	90.7	93.4	90.1	90.8
40-49	80.2	80.7	85.4	85.3	89.9	91.7	92.8	89.3	90.3	90.9	86.9	91.1	92.7	93.7
50-59	81.1	78.8	86.6	87.5	87.1	91.7	93.0	91.9	87.2	87.9	87.4	90.4	90.6	85.6
60-64	.	*	76.9	90.9	93.8	92.9	93.4	87.0	77.8	87.9	85.7	84.4	91.8	90.6
65-69	*	*	*	80.0	*	90.0	83.9	89.7	71.4	83.3	83.3	82.4	81.4	88.2
70-79	.	.	.	*	*	*	71.4	*	.	.	*	*	*	85.7
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	86.6	84.3	85.7	85.5	89.2	90.0	91.5	88.9	85.2	90.2	88.9	92.2	91.3	90.7
Female	89.3	87.2	85.7	88.3	87.0	88.1	91.6	89.8	91.4	90.4	89.0	91.7	89.0	90.4
White	88.0	86.6	86.4	87.3	89.2	90.1	91.4	89.2	87.1	90.9	88.9	92.3	90.9	91.0
African American	84.2	76.8	82.1	83.1	81.9	84.5	92.1	88.4	89.1	84.3	87.8	88.1	86.9	89.2
Other race	93.3	84.6	82.1	85.7	94.0	90.0	92.8	95.1	95.0	96.0	93.0	*	92.3	88.1
†Hispanic														
†Non-Hispanic														
Diabetes	84.8	79.6	80.6	80.2	85.5	84.1	88.0	87.5	85.1	92.1	86.3	90.9	87.7	89.2
Hypertension	89.9	88.2	85.7	89.0	88.2	91.9	93.5	92.1	86.8	88.4	88.5	89.8	89.7	91.9
Glomerulonephritis	89.9	87.2	87.5	88.9	88.9	91.3	93.2	89.6	86.4	89.9	90.8	93.9	92.3	90.6
Other cause	86.5	85.1	86.3	86.8	89.5	89.7	91.5	89.0	91.1	90.2	89.1	92.0	90.7	91.0
First transplant	87.5	85.5	85.5	86.4	88.5	89.7	91.2	89.8	87.6	90.6	89.7	92.5	90.5	90.7
Subsequent transplants	91.1	82.5	88.7	89.1	87.2	84.8	94.7	84.4	88.4	87.0	80.7	86.8	89.3	89.6
All	87.7	85.4	85.7	86.6	88.4	89.3	91.5	89.3	87.6	90.3	88.9	92.0	90.4	90.6
ADJUSTED														
0-19	86.1	87.5	79.6	78.9	84.4	82.1	86.2	83.4	82.7	94.1	80.1	90.7	84.3	88.1
20-44	87.6	84.2	85.9	86.6	88.4	88.8	91.9	89.0	88.4	89.6	90.6	93.0	91.1	91.8
45-64	79.1	79.0	85.3	88.7	87.7	91.5	92.4	90.7	86.8	89.0	86.5	90.1	91.0	89.0
65-74	*	*	*	81.9	*	91.1	79.4	90.4	70.0	84.5	82.2	84.8	80.3	87.4
75+	.	.	.	.	.	*	*	*	.	.	*	.	.	.
Male	84.3	81.8	84.2	84.1	88.3	89.5	91.1	88.4	84.0	89.4	87.8	91.8	90.7	90.4
Female	88.0	86.0	84.5	87.6	86.3	87.4	91.1	89.5	91.1	90.0	88.6	91.7	88.9	90.5
White	86.2	84.7	85.1	86.0	88.4	89.5	91.0	88.6	86.3	90.3	88.3	92.0	90.5	90.7
African American	83.6	76.8	81.8	83.0	81.9	84.3	92.1	88.4	89.1	84.5	87.9	88.2	87.0	89.2
Other race	91.9	82.9	78.2	84.4	93.4	89.0	92.1	94.7	94.2	96.1	92.7	*	91.8	87.3
Diabetes	82.3	77.0	78.0	77.4	83.4	82.3	86.6	86.3	83.0	91.1	84.7	90.3	86.8	88.7
Hypertension	89.6	88.6	86.1	89.7	88.7	92.4	93.8	92.5	87.8	88.3	88.5	89.8	90.0	92.2
Glomerulonephritis	88.9	85.9	86.5	88.0	88.3	90.7	92.9	89.3	85.5	89.5	90.0	93.6	91.9	90.4
Other cause	85.3	83.7	85.5	86.1	88.9	89.0	91.1	88.6	90.5	89.5	88.4	91.5	90.2	90.5
First transplant	85.7	83.8	84.2	85.4	87.6	89.2	90.7	89.5	86.8	90.0	88.9	92.3	90.1	90.6
Subsequent transplants	89.5	80.0	87.5	87.8	85.7	83.2	94.1	82.9	87.2	86.0	79.6	85.7	88.5	88.7
All	85.8	83.5	84.3	85.5	87.5	88.6	91.1	88.8	86.8	89.6	88.1	91.7	89.9	90.4

Table F.8

One-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	*	81.8	80.0	*	90.0	*	75.0	92.3	*	75.0	*
1-4	87.5	93.3	81.8	90.9	86.7	92.3	87.5	*	91.3	91.7	94.7
5-9	87.5	91.7	85.2	*	96.2	*	92.9	88.9	96.3	89.7	*
10-14	95.1	97.3	95.4	90.6	92.3	92.1	85.7	97.4	98.0	*	93.6
15-19	90.0	87.8	96.2	92.1	90.6	96.7	95.2	91.0	95.7	94.9	87.8
20-29	92.6	93.4	93.0	94.9	91.7	94.2	93.1	93.5	94.8	95.3	95.9
30-39	91.0	93.7	92.9	94.9	94.5	93.2	94.7	94.6	95.0	94.6	92.7
40-49	90.3	93.0	92.9	91.4	95.0	95.1	92.3	93.2	94.0	95.2	95.8
50-59	90.4	89.1	91.7	92.3	94.4	91.7	92.0	93.8	92.9	95.6	94.4
60-64	82.5	85.7	93.2	88.6	88.8	92.7	93.7	90.3	93.5	93.8	92.5
65-69	97.4	81.5	88.4	91.2	92.0	95.7	92.6	91.4	94.2	92.8	95.8
70-79	*	85.7	95.5	93.3	78.1	91.3	88.4	93.5	92.7	91.5	90.2
80+	.	.	.	.	.	*	.	*	*	*	*
Male	90.8	91.4	93.6	93.6	94.1	94.4	92.5	93.5	94.5	95.1	94.9
Female	91.4	91.9	91.1	92.1	91.8	92.8	93.0	92.9	93.5	94.1	93.3
White	91.8	92.0	93.1	92.9	93.1	93.5	93.4	93.6	94.2	94.4	94.4
African American	86.6	89.3	89.0	92.7	92.3	93.0	90.4	91.3	93.1	95.0	92.9
Other race	94.6	93.5	95.8	93.7	96.5	*	90.6	94.5	95.4	96.8	96.7
†Hispanic			93.4	95.2	93.7	94.0	92.4	94.6	95.6	95.5	95.9
†Non-Hispanic			92.4	92.5	93.0	93.7	92.8	93.0	93.8	94.5	94.0
Diabetes	90.8	91.0	91.9	86.2	92.4	93.0	92.4	92.9	92.4	94.2	93.7
Hypertension	89.0	91.9	93.3	94.7	94.2	92.2	93.2	93.5	95.2	95.5	94.0
Glomerulonephritis	91.3	91.7	93.5	92.3	93.5	93.9	91.7	93.0	95.5	95.3	94.5
Other cause	92.2	91.7	91.5	93.6	92.6	94.9	93.7	93.6	93.6	94.0	94.6
First transplant	91.9	91.6	92.6	93.1	93.2	94.2	93.2	93.7	94.5	94.7	94.6
Subsequent transplants	83.1	91.3	91.9	90.9	92.1	90.0	89.3	89.9	91.1	94.4	91.7
All	91.0	91.6	92.5	92.9	93.1	93.7	92.7	93.2	94.1	94.7	94.3
ADJUSTED											
0-19	89.6	88.9	90.6	91.7	90.2	95.0	89.6	91.7	95.2	92.8	90.7
20-44	91.8	93.2	93.0	94.4	93.6	94.2	93.6	93.7	94.2	95.1	94.4
45-64	89.2	90.5	92.5	91.2	94.2	93.0	92.7	93.4	94.1	95.2	94.6
65-74	97.8	84.1	89.3	91.1	88.1	94.4	91.2	92.8	94.4	92.7	94.6
75+	.	61.0	*	*	88.2	*	93.6	83.9	85.0	87.1	89.6
Male	90.5	91.2	93.6	93.6	94.2	94.6	92.9	93.8	94.9	95.4	95.4
Female	91.3	92.0	91.2	92.1	92.0	92.9	93.1	93.1	93.7	94.3	93.5
White	91.5	91.8	93.1	92.9	93.3	93.7	93.7	93.9	94.6	94.8	94.8
African American	86.6	89.4	89.1	92.7	92.4	93.0	90.5	91.3	93.3	95.1	92.9
Other race	94.6	93.2	95.9	93.7	96.4	*	90.2	94.7	95.6	96.8	96.8
Diabetes	90.5	90.9	92.0	91.8	92.6	93.3	92.9	93.3	93.1	94.7	94.2
Hypertension	89.3	92.4	93.7	95.1	94.6	92.8	93.7	94.0	95.7	95.9	94.7
Glomerulonephritis	90.8	91.5	93.3	92.2	93.4	93.9	91.7	93.1	95.6	95.4	94.6
Other cause	91.8	91.3	91.3	93.4	92.6	94.9	93.6	93.5	93.6	94.1	94.7
First transplant	91.8	91.6	92.7	93.2	93.4	94.4	93.5	94.0	94.9	95.0	95.0
Subsequent transplants	81.4	90.6	91.3	90.0	91.4	89.1	88.7	89.2	90.7	94.2	91.2
All	90.8	91.5	92.5	92.9	93.2	93.9	93.0	93.5	94.4	94.9	94.6

Table F.8
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	.	25.0	18.8	12.2	16.0	.	15.8	15.8	7.6	16.0	.	18.1	6.6
1-4	18.8	.	12.8	11.2	11.2	11.9	10.0	6.9	13.6	.	9.6	7.6	9.6	10.5
5-9	6.9	7.6	8.4	9.4	5.3	7.4	9.2	8.3	9.0	8.0	6.3	4.6	4.9	8.6
10-14	4.7	4.1	5.8	4.4	4.1	4.9	3.5	5.8	5.5	.	8.5	3.5	4.4	4.2
15-19	3.9	3.3	3.0	3.5	3.8	4.0	3.0	3.0	3.3	2.4	3.9	3.2	4.0	2.8
20-29	1.8	1.8	1.6	1.6	1.8	1.6	1.5	1.6	1.8	1.8	1.4	1.3	1.5	1.4
30-39	2.0	2.1	1.9	1.7	1.5	1.6	1.1	1.4	1.8	1.6	1.5	1.3	1.5	1.4
40-49	3.5	3.2	2.4	2.3	2.0	1.5	1.3	1.5	2.2	2.0	2.1	1.7	1.5	1.3
50-59	6.3	4.4	3.0	2.8	2.6	1.9	1.5	1.6	3.2	2.7	2.8	2.2	2.2	2.2
60-64	.	.	11.2	8.3	4.2	3.9	3.1	4.0	9.5	5.6	6.5	5.3	3.9	3.6
65-69	.	.	.	16.0	.	9.0	6.5	5.6	15.7	13.9	8.5	9.0	5.8	5.4
70-79	.	.	.	.	.	.	15.7	.	.	.	.	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.6	1.5	1.2	1.2	1.1	1.0	0.8	0.9	1.4	1.1	1.2	0.9	1.0	0.9
Female	1.7	1.7	1.6	1.4	1.5	1.3	1.0	1.1	1.3	1.3	1.3	1.1	1.2	1.1
White	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.8	1.1	0.9	0.9	0.8	0.8	0.8
African American	4.0	4.0	2.9	2.7	2.8	2.4	1.6	1.9	2.6	2.9	2.7	2.2	2.3	1.8
Other race	6.2	5.7	6.1	5.3	3.3	3.8	2.8	2.4	3.4	2.7	3.8	.	3.7	4.2
†Hispanic														
†Non-Hispanic														
Diabetes	3.5	3.4	2.7	2.6	2.2	2.0	1.6	1.7	2.3	1.7	2.0	1.5	1.8	1.6
Hypertension	3.6	3.2	2.8	2.4	2.4	1.9	1.5	1.7	3.1	2.6	2.7	2.2	2.0	1.7
Glomerulonephritis	1.9	1.8	1.5	1.4	1.4	1.2	1.0	1.3	1.8	1.5	1.4	1.1	1.2	1.3
Other cause	1.8	1.8	1.6	1.6	1.4	1.3	1.1	1.2	1.5	1.6	1.5	1.3	1.3	1.2
First transplant	1.2	1.1	1.0	1.0	0.9	0.8	0.7	0.7	1.0	0.9	0.9	0.7	0.8	0.7
Subsequent transplants	4.2	5.9	3.7	3.2	2.9	3.0	1.6	2.7	3.1	3.5	3.7	2.9	2.7	2.5
All	1.2	1.1	1.0	0.9	0.9	0.8	0.6	0.7	1.0	0.9	0.9	0.7	0.8	0.7

Table F.8
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	.	11.1	16.0	.	9.0	.	18.8	7.1	.	11.91	.
1-4	10.9	6.2	8.0	6.0	8.5	7.1	8.0	.	5.7	5.52	4.99
5-9	8.0	5.5	6.7	.	3.7	.	6.6	5.9	3.6	5.48	.
10-14	3.3	2.6	3.2	5.1	4.2	4.3	6.5	2.6	2.0	.	3.53
15-19	3.3	3.8	2.2	2.8	3.6	2.3	2.7	3.2	2.1	2.23	3.59
20-29	1.3	1.3	1.3	1.1	1.5	1.2	1.4	1.2	1.2	0.99	0.94
30-39	1.3	1.1	1.2	1.1	1.1	1.3	1.0	1.0	0.9	0.91	1.03
40-49	1.5	1.2	1.2	1.3	1.1	1.0	1.2	1.0	0.9	0.79	0.73
50-59	1.8	1.7	1.5	1.4	1.2	1.4	1.3	1.0	1.0	0.73	0.79
60-64	4.7	3.5	2.3	2.8	2.9	2.1	1.8	1.8	1.5	1.34	1.47
65-69	2.5	4.8	3.4	3.0	2.5	1.9	2.0	2.0	1.4	1.52	1.09
70-79	.	7.4	4.3	4.5	6.4	4.1	3.4	2.6	2.1	2.45	2.39
80+	.	.	.	.	.	.	.	.	.	.	.
Male	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.48	0.47
Female	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.7	0.7	0.61	0.65
White	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.44	0.44
African American	2.0	1.7	1.7	1.4	1.4	1.3	1.5	1.3	1.1	0.89	1.01
Other race	2.3	2.6	2.4	2.5	2.0	.	2.8	1.8	1.6	1.28	1.15
†Hispanic			1.6	1.3	1.4	1.3	1.4	1.1	1.0	0.94	0.88
†Non-Hispanic			0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.41	0.42
Diabetes	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.0	0.9	0.8	0.81
Hypertension	1.7	1.5	1.4	1.3	1.3	1.5	1.2	1.2	0.9	0.91	0.95
Glomerulonephritis	1.2	1.1	1.0	1.0	1.0	1.0	1.1	0.9	0.7	0.67	0.74
Other cause	1.2	1.1	1.1	1.0	1.1	0.9	0.9	0.8	0.8	0.69	0.65
First transplant	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4
Subsequent transplants	2.8	2.0	1.9	2.1	1.8	2.0	1.9	1.6	1.4	1.07	1.34
All	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.38	0.38

Table F.9

Two-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
<1	*	*	*	75.0	71.4	80.0	*	62.5	62.5	91.7	80.0	*	50.0
1-4	75.0	*	46.2	56.3	76.9	66.7	73.3	84.2	70.0	*	84.6	88.2	76.9
5-9	79.0	88.2	60.7	55.0	84.0	85.7	69.6	74.1	82.4	81.8	90.5	89.7	88.9
10-14	77.3	82.5	65.2	80.4	81.7	83.7	76.3	76.3	73.2	97.6	67.9	91.5	86.1
15-19	77.8	79.6	85.9	76.7	81.6	79.2	85.3	85.3	81.3	87.3	79.5	84.8	77.6
20-29	85.4	85.5	81.0	83.5	83.1	86.7	84.8	82.7	83.2	85.1	90.0	89.0	87.6
30-39	87.3	77.1	80.3	82.0	85.0	83.5	90.1	87.6	83.4	88.8	87.0	89.0	86.9
40-49	77.1	78.7	81.1	78.9	85.7	87.0	90.8	84.7	89.1	89.4	84.9	84.9	89.5
50-59	81.1	72.9	80.3	83.8	84.2	87.6	90.3	88.1	82.6	85.1	82.5	87.6	86.7
60-64	.	*	69.2	90.9	87.5	92.9	91.8	84.1	72.2	87.9	82.1	77.8	89.8
65-69	*	*	*	80.0	*	90.0	83.9	82.8	71.4	83.3	83.3	76.5	81.4
70-79	.	.	.	*	*	*	71.4	*	.	.	66.7	*	*
80+	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	81.5	78.9	79.6	79.2	84.4	86.4	88.5	84.9	80.1	87.9	86.4	88.1	87.8
Female	85.6	82.6	79.4	83.6	83.7	84.0	87.8	85.6	87.7	87.3	85.2	86.7	85.6
White	83.4	81.3	80.4	81.9	85.5	86.8	88.5	85.2	83.1	88.6	86.4	88.2	87.7
African American	81.7	74.1	73.7	74.4	75.7	77.9	85.4	83.1	81.2	79.1	80.4	80.5	81.2
Other race	80.0	76.9	82.1	83.3	86.0	86.7	91.6	91.5	90.0	96.0	90.7	98.3	88.5
†Hispanic													
†Non-Hispanic													
Diabetes	78.1	72.3	72.7	71.9	78.6	80.3	84.4	82.7	79.9	88.7	82.7	85.6	84.0
Hypertension	85.5	86.3	78.6	80.5	84.3	86.1	88.7	88.5	80.2	87.0	83.5	85.2	84.5
Glomerulonephritis	85.0	81.1	81.7	84.3	84.4	87.8	89.8	87.4	81.9	87.7	89.0	89.1	88.4
Other cause	82.8	81.0	80.8	82.1	86.7	86.3	88.9	83.3	87.7	87.1	85.6	88.4	88.4
First transplant	83.1	80.3	79.5	80.8	84.1	85.8	87.8	85.4	82.8	87.9	86.8	88.1	86.8
Subsequent transplants	84.4	82.5	80.3	81.5	85.0	82.1	91.3	82.8	86.4	84.8	75.2	81.6	87.0
All	83.1	80.4	79.5	80.9	84.2	85.5	88.2	85.2	83.1	87.7	85.9	87.5	86.8
ADJUSTED													
0-19	73.6	79.4	69.8	70.1	78.6	77.2	77.8	78.1	73.9	88.9	76.3	86.1	77.3
20-44	84.0	79.0	79.5	81.1	83.9	85.4	88.6	85.1	84.1	86.9	87.9	88.2	87.9
45-64	75.8	75.0	80.9	83.2	84.4	87.2	90.1	86.5	83.3	87.5	82.4	86.2	87.4
65-74	*	*	*	81.9	*	90.9	79.3	84.0	69.8	84.6	76.3	79.8	80.3
75+	.	.	.	.	.	*	*	*	.	.	*	.	.
Male	78.5	75.7	77.5	77.3	83.1	85.7	87.9	84.1	78.6	86.9	85.2	87.4	86.9
Female	83.8	81.1	77.8	82.5	82.7	83.3	87.1	85.2	87.2	86.7	84.6	86.5	85.5
White	81.0	78.8	78.5	80.2	84.4	86.0	88.0	84.5	82.1	87.9	85.6	87.8	87.2
African American	81.1	74.1	73.3	74.3	75.7	77.7	85.4	83.2	81.1	79.3	80.5	80.6	81.4
Other race	76.0	74.2	78.2	81.8	84.8	87.1	90.7	90.8	88.2	96.1	90.2	98.2	87.7
Diabetes	74.7	69.1	69.3	68.3	75.7	78.3	82.7	81.2	77.1	87.4	80.7	84.6	82.9
Hypertension	85.1	86.7	79.2	81.7	84.9	87.0	89.3	89.1	81.7	86.9	83.5	85.3	85.0
Glomerulonephritis	83.6	79.3	80.4	83.1	83.7	87.1	89.4	87.0	80.7	87.2	88.1	88.6	87.8
Other cause	81.3	79.2	79.8	81.2	86.1	85.7	88.4	82.8	86.9	86.2	84.8	87.7	87.8
First transplant	80.8	78.0	77.8	79.4	82.9	85.2	87.2	84.9	81.7	87.1	85.9	87.7	86.3
Subsequent transplants	81.6	79.8	78.1	79.3	83.0	80.1	90.3	81.0	84.9	83.6	73.7	80.1	86.0
All	80.7	77.8	77.6	79.3	82.9	84.7	87.6	84.5	82.0	86.9	84.8	87.0	86.2

Table F.9

Two-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	92.9	*	81.8	60.0	*	80.0	*	75.0	92.3	*	75.0
1-4	78.6	87.5	93.3	77.3	86.4	86.7	92.3	87.5	*	87.0	87.5
5-9	68.2	87.5	83.3	81.5	*	92.3	*	92.9	85.2	96.3	89.7
10-14	84.6	95.1	91.9	90.7	87.5	89.7	92.1	75.0	92.1	89.8	98.0
15-19	89.6	87.5	82.4	88.5	89.9	90.6	88.5	90.5	89.7	89.1	83.5
20-29	87.4	89.5	90.3	88.4	88.5	86.7	87.4	87.1	88.4	89.6	90.0
30-39	86.1	88.4	89.7	88.4	90.8	90.9	88.6	91.2	90.5	91.1	91.7
40-49	91.5	86.2	89.9	89.5	88.0	92.0	92.3	89.8	91.1	90.8	91.2
50-59	82.5	87.0	86.0	88.1	89.7	89.7	89.0	88.0	90.0	89.9	92.7
60-64	89.1	81.0	78.6	89.8	85.6	88.8	91.4	90.3	86.0	88.6	90.4
65-69	85.3	94.9	76.9	84.9	86.8	88.5	92.2	89.7	88.9	89.2	88.6
70-79	85.7	72.7	85.7	90.9	93.3	73.2	84.8	83.7	85.9	85.3	87.6
80+	.	.	.	.	.	.	*	.	*	*	*
Male	87.7	88.0	87.8	89.4	90.3	90.2	90.4	88.9	90.4	90.3	91.2
Female	85.9	87.6	88.0	87.0	87.5	88.4	89.0	89.1	88.4	89.4	90.3
White	87.7	89.0	88.6	89.3	89.4	89.5	90.0	89.9	90.5	90.4	91.1
African American	84.3	81.3	83.9	82.4	87.0	87.7	86.7	85.5	85.2	86.4	88.7
Other race	83.1	91.4	90.2	94.4	91.6	95.3	99.1	85.9	90.8	94.2	94.2
†Hispanic				89.8	92.1	90.7	91.8	89.5	92.7	91.6	93.7
†Non-Hispanic				88.1	88.6	89.2	89.5	88.9	89.1	89.7	90.4
Diabetes	86.1	87.3	87.4	87.2	86.2	89.5	88.9	86.6	89.5	88.4	89.6
Hypertension	88.9	86.6	89.4	87.1	90.1	88.4	88.1	89.6	89.4	90.1	92.6
Glomerulonephritis	85.5	87.9	87.9	90.1	88.8	90.0	90.1	88.4	89.1	91.0	91.5
Other cause	87.9	89.0	87.5	87.9	89.2	89.5	91.1	90.8	90.1	90.1	90.4
First transplant	86.9	88.5	88.0	88.4	89.4	89.6	90.3	89.5	90.1	90.3	91.1
Subsequent transplants	87.5	81.4	87.4	87.7	86.1	88.2	85.9	84.6	85.7	86.9	89.0
All	87.0	87.8	87.9	88.3	89.1	89.5	89.8	89.0	89.6	89.9	90.8
ADJUSTED											
0-19	82.7	88.0	83.1	83.3	89.0	87.9	90.8	84.0	88.9	88.7	85.8
20-44	87.8	89.0	89.7	88.9	89.8	89.6	89.2	89.7	89.7	90.1	91.3
45-64	86.6	85.2	86.8	88.8	88.0	90.9	90.7	89.3	90.1	90.8	92.0
65-74	84.9	89.2	80.7	85.4	87.5	83.9	90.6	87.6	89.6	88.2	88.4
75+	.	.	56.8	*	*	87.3	83.1	93.5	68.5	84.6	85.1
Male	87.3	87.6	87.5	89.5	90.3	90.5	90.8	89.5	90.9	91.0	91.7
Female	85.9	87.4	88.2	87.0	87.6	88.7	89.2	89.3	88.7	89.9	90.8
White	87.3	88.7	88.4	89.3	89.3	89.8	90.3	90.4	91.0	91.1	91.7
African American	84.4	81.5	84.1	82.6	87.2	87.8	86.8	85.6	85.3	86.8	88.9
Other race	81.8	91.2	89.9	94.6	91.7	95.2	99.0	85.3	91.1	94.5	94.1
Diabetes	85.4	86.9	87.2	87.4	88.8	89.8	89.5	87.4	90.2	89.4	90.5
Hypertension	89.4	86.9	90.0	87.9	90.9	89.3	89.1	90.5	90.1	91.1	93.3
Glomerulonephritis	85.2	87.2	87.5	89.9	88.7	89.8	90.1	88.5	89.4	91.2	91.7
Other cause	87.2	88.3	86.8	87.7	88.9	89.5	91.1	90.8	90.0	90.2	90.5
First transplant	86.7	88.4	87.9	88.6	89.5	90.0	90.7	90.1	90.7	91.1	91.6
Subsequent transplants	86.4	79.5	86.4	86.6	84.7	87.1	84.6	83.6	84.7	86.3	88.6
All	86.7	87.5	87.7	88.4	89.1	89.7	90.1	89.4	90.0	90.5	91.3

Table F.9
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	.	.	18.8	15.7	16.0	.	15.8	15.8	7.6	16.0	.	18.1	6.6
1-4	18.8	.	13.0	11.9	11.2	12.9	11.0	8.1	13.6	.	9.6	7.6	11.2	10.5
5-9	9.1	7.6	9.0	10.7	7.2	7.4	9.2	8.3	9.0	8.0	6.3	5.6	5.9	9.6
10-14	6.2	5.9	6.9	5.3	5.0	5.2	6.8	6.8	6.8	2.4	8.5	4.0	5.2	5.7
15-19	5.2	3.9	3.4	3.8	4.1	4.6	3.6	3.6	4.3	3.9	4.5	4.0	4.7	3.5
20-29	2.1	2.1	2.0	1.9	2.0	1.8	1.8	2.0	2.1	2.0	1.6	1.7	1.8	1.7
30-39	2.3	2.4	2.1	2.0	1.8	1.8	1.3	1.5	2.1	1.7	1.8	1.6	1.7	1.7
40-49	3.7	3.3	2.7	2.7	2.3	1.8	1.4	1.8	2.3	2.1	2.2	2.1	1.7	1.5
50-59	6.3	4.8	3.5	3.1	2.8	2.2	1.7	1.9	3.6	3.0	3.2	2.5	2.5	2.4
60-64	.	.	12.2	8.3	5.8	3.9	3.5	4.4	10.2	5.6	7.1	6.1	4.3	3.9
65-69	.	.	.	16.0	.	9.0	6.5	6.9	15.7	13.9	8.5	9.9	5.8	6.0
70-79	.	.	.	.	.	.	15.7	.	.	.	22.2	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.8	1.7	1.4	1.4	1.2	1.1	0.9	1.1	1.5	1.2	1.3	1.1	1.1	1.1
Female	1.9	1.9	1.9	1.6	1.6	1.5	1.2	1.3	1.6	1.5	1.5	1.4	1.4	1.3
White	1.4	1.3	1.2	1.2	1.0	0.9	0.8	0.9	1.2	1.0	1.0	0.9	0.9	0.9
African American	4.2	4.1	3.3	3.1	3.1	2.8	2.2	2.2	3.3	3.3	3.3	2.7	2.7	2.2
Other race	10.0	6.6	6.1	5.7	4.9	4.4	3.0	3.1	4.7	2.7	4.4	1.7	4.4	4.8
†Hispanic														
†Non-Hispanic														
Diabetes	4.0	3.8	3.0	2.9	2.6	2.1	1.8	2.0	2.5	1.9	2.2	1.8	2.0	1.8
Hypertension	4.2	3.4	3.3	3.1	2.7	2.4	1.9	2.0	3.6	2.8	3.1	2.5	2.4	1.9
Glomerulonephritis	2.2	2.1	1.8	1.7	1.6	1.4	1.2	1.4	2.0	1.6	1.5	1.5	1.5	1.6
Other cause	2.0	1.9	1.9	1.8	1.6	1.5	1.3	1.5	1.8	1.8	1.7	1.5	1.5	1.4
First transplant	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.9	1.2	1.0	1.0	0.9	0.9	0.9
Subsequent transplants	5.3	5.9	4.7	4.0	3.1	3.2	2.0	2.8	3.4	3.7	4.1	3.3	2.9	2.7
All	1.3	1.3	1.1	1.1	1.0	0.9	0.7	0.8	1.1	1.0	1.0	0.9	0.9	0.8

Table F.9
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	.	11.1	19.2	.	12.0	.	18.8	7.1	.	11.91
1-4	10.9	6.2	8.7	7.1	8.5	7.1	8.0	.	6.86	6.6
5-9	8.0	7.4	7.3	.	5.1	.	6.6	6.6	3.57	5.48
10-14	3.3	4.4	4.4	5.8	4.8	4.3	8.0	4.3	4.28	2
15-19	3.7	4.4	3.6	3.2	3.6	4.1	3.7	3.4	3.23	3.74
20-29	1.5	1.6	1.7	1.7	1.8	1.7	1.8	1.6	1.6	1.41
30-39	1.5	1.4	1.5	1.4	1.4	1.6	1.3	1.2	1.16	1.1
40-49	1.7	1.4	1.5	1.6	1.4	1.3	1.3	1.2	1.09	1.05
50-59	2.0	1.9	1.8	1.6	1.6	1.5	1.5	1.2	1.12	0.94
60-64	4.9	4.1	2.8	3.0	2.9	2.3	2.2	2.1	1.86	1.64
65-69	3.5	5.2	3.8	3.5	3.0	2.5	2.3	2.2	1.86	1.86
70-79	12.7	7.4	6.0	4.5	6.8	5.2	4.0	3.6	2.88	2.89
80+	.	.	.	.	.	.	.	.	.	.
Male	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.7	0.68	0.63
Female	1.2	1.1	1.1	1.1	1.1	1.1	1.0	0.9	0.82	0.77
White	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.58	0.54
African American	2.2	2.1	2.1	1.8	1.8	1.7	1.8	1.6	1.48	1.29
Other race	2.9	3.1	2.7	2.8	2.3	0.9	3.4	2.3	1.77	1.71
†Hispanic			1.9	1.6	1.7	1.6	1.6	1.3	1.31	1.1
†Non-Hispanic			0.8	0.8	0.8	0.7	0.7	0.6	0.57	0.53
Diabetes	1.7	1.6	1.6	1.5	1.4	1.5	1.5	1.1	1.1	1.05
Hypertension	1.9	1.7	1.9	1.7	1.8	1.7	1.5	1.4	1.28	1.15
Glomerulonephritis	1.4	1.3	1.2	1.2	1.2	1.2	1.3	1.1	0.96	0.88
Other cause	1.4	1.4	1.3	1.2	1.2	1.1	1.1	1.0	0.93	0.86
First transplant	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.55	0.51
Subsequent transplants	2.9	2.3	2.3	2.5	2.1	2.3	2.2	1.9	1.67	1.45
All	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.52	0.49

Table F.10

Three-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	*	75.0	*	75.0	71.4	80.0	*	50.0	62.5	91.7	80.0	*	33.3	92.9
1-4	75.0	*	46.2	43.8	76.9	66.7	73.3	79.0	70.0	*	76.9	88.2	76.9	78.6
5-9	73.7	82.4	50.0	45.0	72.0	85.7	65.2	74.1	64.7	81.8	85.7	82.8	85.2	68.2
10-14	72.7	62.5	60.9	73.2	78.3	71.4	76.3	76.3	68.3	97.6	57.1	87.2	79.1	79.5
15-19	74.6	73.8	83.0	72.5	74.7	76.6	74.7	76.8	78.8	83.1	71.8	77.2	72.4	77.9
20-29	82.1	80.1	76.4	77.2	79.7	80.5	81.0	78.9	79.4	80.6	84.1	84.2	84.7	81.6
30-39	80.8	71.8	75.1	77.5	80.1	78.1	86.3	85.0	79.1	85.5	83.9	84.4	85.0	83.2
40-49	72.5	68.7	75.0	75.4	78.2	83.1	88.4	82.2	86.3	85.6	81.9	81.1	85.9	87.5
50-59	70.3	65.9	72.4	79.4	79.0	83.5	88.7	84.4	76.2	79.4	80.4	81.4	84.5	77.8
60-64	.	*	69.2	90.9	78.1	92.9	90.2	78.3	72.2	81.8	82.1	73.3	85.7	79.7
65-69	*	*	*	80.0	*	90.0	83.9	79.3	71.4	83.3	72.2	76.5	74.4	76.5
70-79	.	.	.	*	*	*	71.4	85.7	.	.	66.7	*	*	85.7
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	76.6	72.0	74.1	74.4	79.2	81.0	84.9	81.1	75.8	84.5	82.0	83.5	84.4	83.2
Female	80.7	75.8	74.6	78.2	78.5	80.2	85.1	82.7	84.0	82.7	81.1	81.7	82.8	80.7
White	78.8	74.8	75.1	76.5	81.0	82.3	85.7	81.8	79.6	84.8	82.2	83.8	85.1	83.4
African American	74.4	64.3	68.2	71.3	65.3	70.8	79.8	79.6	72.5	74.5	75.7	74.3	77.0	76.6
Other race	73.3	71.8	79.5	81.0	84.0	81.7	86.8	89.0	87.5	92.0	86.1	93.0	78.9	81.4
†Hispanic														
†Non-Hispanic														
Diabetes	71.4	63.5	64.8	64.9	72.6	75.7	80.4	79.0	75.9	84.9	77.8	80.0	81.3	80.3
Hypertension	78.3	79.4	71.4	78.1	77.5	79.9	84.7	85.3	73.6	80.1	78.4	80.6	80.2	83.3
Glomerulonephritis	81.2	76.6	77.5	79.0	79.4	82.5	86.8	83.9	78.2	84.3	85.5	84.8	86.0	80.9
Other cause	78.0	72.7	76.4	77.5	82.3	82.4	86.2	80.0	84.0	83.8	81.3	83.9	84.9	84.0
First transplant	78.0	73.6	74.2	75.7	78.6	80.8	84.4	82.0	78.9	84.0	82.5	83.7	83.5	82.1
Subsequent transplants	82.2	72.5	74.7	78.3	82.0	79.3	89.4	79.6	79.6	80.4	71.6	73.5	85.5	83.3
All	78.2	73.5	74.3	75.9	78.9	80.7	84.9	81.7	79.0	83.8	81.6	82.8	83.7	82.2
ADJUSTED														
0-19	69.3	68.9	65.4	63.4	72.3	71.7	70.9	72.2	68.9	86.7	67.9	79.6	71.2	75.3
20-44	79.2	73.0	74.4	76.0	79.2	80.2	85.0	82.2	80.1	82.9	83.5	84.0	85.1	83.8
45-64	67.1	65.2	73.5	78.6	77.1	82.8	88.2	82.8	79.3	82.5	80.2	80.7	84.7	81.2
65-74	*	*	*	81.7	*	90.8	79.2	80.6	69.8	84.7	64.5	79.8	73.0	77.4
75+	.	.	.	.	.	*	*	*	.	.	*	.	.	.
Male	73.0	68.0	71.6	72.2	77.4	80.0	84.1	80.3	74.0	83.3	80.4	82.7	83.4	82.6
Female	78.3	73.7	72.6	76.8	77.2	79.2	84.3	82.1	83.3	82.0	80.3	81.6	82.6	80.8
White	75.8	71.5	72.8	74.3	79.5	81.4	85.1	80.9	78.5	83.9	81.2	83.2	84.4	82.9
African American	73.6	64.5	67.7	71.3	65.4	70.7	79.8	79.8	72.5	74.9	75.9	74.6	77.3	76.8
Other race	68.3	68.4	75.3	79.2	82.5	81.6	85.4	88.2	85.2	92.1	85.1	92.8	77.4	79.9
Diabetes	67.2	59.7	60.8	60.6	68.9	73.3	78.3	77.2	72.7	83.2	75.3	78.6	80.0	79.4
Hypertension	77.7	80.0	72.3	79.5	78.4	81.1	85.5	86.1	75.5	80.1	78.5	80.7	80.9	84.1
Glomerulonephritis	79.6	74.5	75.9	77.5	78.4	81.5	86.3	83.4	76.8	83.7	84.3	84.0	85.3	80.5
Other cause	76.1	70.2	75.2	76.3	81.4	81.5	85.6	79.4	82.9	82.6	80.2	83.0	84.1	83.1
First transplant	75.1	70.6	72.2	74.0	77.1	79.9	83.7	81.4	77.7	83.1	81.3	83.2	82.9	81.9
Subsequent transplants	78.9	68.5	71.9	75.7	79.6	77.0	88.2	77.4	77.3	78.9	69.7	71.5	84.3	81.8
All	75.1	70.3	72.0	73.9	77.3	79.6	84.2	81.0	77.6	82.7	80.3	82.1	83.0	81.8

Table F.10

Three-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002
<1	*	81.8	60.0	*	80.0	*	50.0	92.3	*
1-4	87.5	93.3	77.3	86.4	86.7	92.3	87.5	*	87.0
5-9	87.5	83.3	77.8	*	88.5	*	85.7	85.2	92.6
10-14	92.7	86.5	88.4	84.4	84.6	86.8	75.0	92.1	85.7
15-19	81.3	73.0	84.6	83.2	81.3	77.1	82.5	85.9	82.6
20-29	86.2	84.2	82.7	85.0	81.4	82.1	83.1	82.9	85.2
30-39	84.0	88.1	83.6	85.5	85.2	85.6	87.8	86.9	87.6
40-49	82.8	86.9	86.3	83.7	87.8	88.2	85.9	87.4	88.4
50-59	81.1	79.5	84.6	84.3	86.2	86.3	84.4	87.2	86.3
60-64	73.0	72.5	86.4	83.3	85.3	82.8	84.6	81.3	84.1
65-69	87.2	69.2	80.2	84.6	80.5	87.0	85.7	87.4	84.2
70-79	63.6	85.7	90.9	83.3	70.7	84.8	75.6	83.7	80.7
80+	.	.	.	.	.	*	.	*	*
Male	83.4	83.5	85.2	86.1	85.4	86.3	84.8	86.6	86.6
Female	83.6	83.9	83.1	82.8	83.6	84.4	84.8	85.3	85.6
White	85.2	84.9	85.6	85.5	85.2	86.5	85.6	87.2	86.9
African American	74.8	76.3	76.6	81.1	80.3	79.1	81.8	80.1	80.6
Other race	86.0	87.0	91.6	85.3	91.8	94.4	83.0	88.3	92.5
†Hispanic			84.0	89.4	87.8	87.9	86.2	89.5	88.7
†Non-Hispanic			84.3	83.9	84.0	85.1	84.6	85.5	85.8
Diabetes	82.5	83.7	82.7	86.2	84.4	84.2	82.4	85.5	83.4
Hypertension	81.4	83.5	83.7	85.4	81.6	85.2	84.4	87.6	85.6
Glomerulonephritis	82.9	83.6	86.5	85.1	85.2	84.6	83.5	84.3	87.5
Other cause	86.1	83.8	83.3	85.2	85.7	87.5	88.0	87.1	87.8
First transplant	84.2	83.7	84.6	85.2	84.6	85.9	85.9	86.7	86.8
Subsequent transplants	77.4	83.6	81.0	79.7	84.7	82.3	76.8	80.9	81.7
All	83.5	83.7	84.2	84.7	84.6	85.5	84.8	86.0	86.2
ADJUSTED									
0-19	83.3	76.7	80.1	84.3	81.3	83.3	77.7	86.9	83.5
20-44	85.5	86.2	84.0	85.5	84.1	85.2	86.0	85.4	86.5
45-64	79.6	81.9	85.7	83.6	87.8	86.6	85.4	86.9	87.7
65-74	80.5	75.2	81.5	83.9	77.1	86.8	82.0	87.8	83.4
75+	.	50.3	*	80.5	85.3	81.0	93.0	65.4	78.3
Male	82.9	83.0	85.3	86.2	85.7	86.9	85.7	87.3	87.6
Female	83.3	84.2	83.1	82.9	84.0	84.7	85.2	85.8	86.3
White	84.7	84.7	85.5	85.4	85.6	87.0	86.4	88.0	88.0
African American	75.1	76.7	76.9	81.4	80.5	79.3	82.0	80.2	81.2
Other race	85.7	86.5	91.9	85.5	91.6	94.1	82.5	88.8	92.8
Diabetes	82.0	83.5	82.9	83.1	84.9	85.0	83.5	86.4	84.9
Hypertension	81.9	84.5	84.7	86.6	83.0	86.4	85.7	88.5	87.1
Glomerulonephritis	81.9	83.1	86.1	85.0	84.9	84.6	83.6	84.6	87.6
Other cause	85.3	82.9	83.0	84.7	85.7	87.4	88.0	87.1	87.9
First transplant	83.9	83.6	84.9	85.4	85.2	86.5	86.6	87.5	87.9
Subsequent transplants	75.2	82.2	79.4	77.7	83.3	80.6	75.5	79.6	80.8
All	83.1	83.4	84.3	84.7	84.9	85.9	85.4	86.6	87.1

Table F.10
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	18.8	.	18.8	15.7	16.0	.	16.1	15.8	7.6	16.0	.	16.4	6.6
1-4	18.8	.	13.0	11.8	11.2	12.9	11.0	9.1	13.6	.	11.2	7.6	11.2	10.5
5-9	9.8	9.0	9.2	10.7	8.8	7.4	9.6	8.3	11.2	8.0	7.4	6.8	6.7	9.6
10-14	6.6	7.5	7.1	5.9	5.3	6.4	6.8	6.8	7.2	2.4	9.1	4.8	6.1	6.4
15-19	5.4	4.3	3.6	4.1	4.6	4.8	4.4	4.3	4.5	4.4	5.1	4.7	5.1	4.7
20-29	2.3	2.4	2.2	2.2	2.2	2.1	1.9	2.1	2.3	2.3	1.9	1.9	2.0	2.0
30-39	2.7	2.5	2.3	2.2	2.0	2.0	1.5	1.7	2.3	1.9	1.9	1.8	1.8	1.8
40-49	3.9	3.8	3.0	2.8	2.7	2.0	1.6	1.9	2.6	2.4	2.4	2.3	2.0	1.8
50-59	7.4	5.1	4.0	3.5	3.1	2.5	1.8	2.1	4.1	3.4	3.3	2.9	2.7	2.6
60-64	.	.	12.2	8.3	7.2	3.9	3.8	4.9	10.2	6.6	7.1	6.5	4.9	5.0
65-69	.	.	.	16.0	.	9.0	6.5	7.4	15.7	13.9	10.2	9.9	6.6	7.2
70-79	.	.	.	.	.	.	15.7	12.2	.	.	22.2	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	2.0	1.8	1.5	1.5	1.4	1.3	1.1	1.2	1.7	1.4	1.4	1.3	1.2	1.2
Female	2.2	2.2	2.0	1.8	1.8	1.6	1.3	1.4	1.8	1.7	1.6	1.5	1.5	1.5
White	1.6	1.5	1.3	1.3	1.2	1.1	0.9	1.0	1.3	1.2	1.1	1.1	1.0	1.0
African American	4.8	4.5	3.5	3.2	3.4	3.0	2.5	2.4	3.8	3.5	3.5	3.0	2.9	2.5
Other race	11.0	7.1	6.4	6.0	5.1	5.0	3.7	3.4	5.2	3.8	5.2	3.4	5.6	5.0
†Hispanic														
†Non-Hispanic														
Diabetes	4.4	4.1	3.2	3.1	2.8	2.3	1.9	2.1	2.7	2.2	2.4	2.1	2.1	2.0
Hypertension	4.9	4.0	3.6	3.2	3.1	2.8	2.2	2.2	4.0	3.3	3.5	2.8	2.6	2.3
Glomerulonephritis	2.4	2.2	1.9	1.9	1.8	1.7	1.4	1.5	2.1	1.8	1.7	1.7	1.6	1.8
Other cause	2.2	2.2	2.0	1.9	1.8	1.7	1.4	1.6	2.0	2.0	1.9	1.7	1.6	1.6
First transplant	1.5	1.4	1.3	1.2	1.2	1.0	0.9	0.9	1.3	1.1	1.1	1.0	1.0	1.0
Subsequent transplants	5.6	6.9	5.1	4.3	3.3	3.4	2.1	2.9	4.0	4.1	4.3	3.8	3.1	3.1
All	1.5	1.4	1.2	1.2	1.1	1.0	0.8	0.9	1.2	1.1	1.1	1.0	1.0	0.9

Table F.10
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002
<1	.	11.1	19.2	.	12.0	.	20.8	7.1	.
1-4	10.9	6.2	8.7	7.1	8.5	7.1	8.0	.	6.86
5-9	8.0	7.4	7.8	.	6.1	.	9.0	6.64	4.94
10-14	4.0	5.5	4.8	6.3	5.7	5.4	8.0	4.31	4.94
15-19	4.3	5.1	4.1	3.9	4.8	5.3	4.7	3.91	3.93
20-29	1.7	1.9	2.0	1.8	2.1	2.0	2.1	1.85	1.86
30-39	1.7	1.4	1.7	1.7	1.7	1.8	1.5	1.41	1.34
40-49	1.9	1.6	1.6	1.8	1.6	1.6	1.5	1.35	1.21
50-59	2.4	2.3	2.0	1.9	1.8	1.7	1.7	1.37	1.27
60-64	5.5	4.5	3.1	3.2	3.3	3.1	2.7	2.33	2.14
65-69	5.3	5.7	4.3	3.8	3.7	3.1	2.6	2.35	2.18
70-79	13.7	7.4	6.0	6.7	7.0	5.2	4.6	3.83	3.21
80+	.	.	.	.	.	.	.	.	.
Male	1.2	1.1	1.1	1.0	1.1	1.0	1.0	0.83	0.78
Female	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.01	0.94
White	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.66
African American	2.5	2.4	2.3	2.1	2.1	2.0	1.9	1.77	1.71
Other race	3.6	3.5	3.3	3.6	3.0	2.2	3.6	2.5	2
†Hispanic			2.3	1.8	1.9	1.8	1.8	1.52	1.49
†Non-Hispanic			0.9	0.9	0.9	0.9	0.8	0.7	0.65
Diabetes	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.32	1.27
Hypertension	2.1	2.1	2.0	2.0	2.2	1.9	1.8	1.53	1.5
Glomerulonephritis	1.6	1.5	1.4	1.4	1.5	1.5	1.5	1.29	1.11
Other cause	1.5	1.5	1.5	1.4	1.4	1.3	1.2	1.09	1.02
First transplant	0.9	0.9	0.9	0.8	0.9	0.8	0.8	0.67	0.63
Subsequent transplants	3.1	2.6	2.7	2.9	2.4	2.6	2.6	2.08	1.92
All	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.64	0.6

Table F.11
Five-year graft survival probabilities: all living donor transplants
by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	66.7	50.0	*	50.0	42.9	80.0	75.0	37.5	62.5	91.7	80.0	*	33.3	92.9
1-4	75.0	87.5	30.8	37.5	53.9	58.3	73.3	68.4	60.0	*	76.9	82.4	76.9	78.6
5-9	63.2	70.6	46.4	30.0	68.0	76.2	60.9	66.7	47.1	77.3	76.2	75.9	70.4	68.2
10-14	63.6	52.5	58.7	58.9	58.3	59.2	60.5	68.4	63.4	80.5	46.4	80.9	65.1	64.1
15-19	61.9	68.0	69.8	62.5	64.4	64.9	67.4	64.2	67.5	67.6	62.8	72.2	68.4	54.6
20-29	71.8	72.7	66.2	68.2	68.3	72.6	71.3	72.3	72.6	73.1	75.5	75.8	74.0	73.8
30-39	75.1	62.2	66.7	71.6	73.2	69.9	79.2	79.0	69.5	79.8	74.9	76.2	75.3	74.9
40-49	61.8	62.7	67.5	68.1	69.3	76.9	80.0	78.6	77.7	80.8	73.8	69.4	76.4	77.2
50-59	59.5	56.5	63.0	71.3	71.9	77.1	83.3	77.6	64.2	72.3	65.0	68.9	74.6	69.7
60-64	.	66.7	61.5	72.7	75.0	90.5	88.5	69.6	61.1	66.7	57.1	64.4	73.5	67.2
65-69	*	*	*	80.0	*	60.0	77.4	69.0	71.4	83.3	61.1	76.5	65.1	55.9
70-79	.	.	.	*	*	*	71.4	85.7	.	.	33.3	75.0	*	85.7
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	66.7	63.7	64.7	66.4	68.3	72.8	77.5	75.1	67.4	77.1	73.0	74.8	74.7	73.5
Female	72.1	67.8	66.3	69.8	71.4	73.1	77.1	75.8	74.5	75.6	70.4	72.2	72.9	71.3
White	69.8	67.0	65.9	68.2	72.0	75.0	78.1	75.8	72.1	78.7	72.8	75.5	75.9	75.1
African American	61.0	54.5	59.8	63.6	52.3	61.1	71.2	71.5	57.3	59.5	62.2	60.0	62.9	61.5
Other race	73.3	59.0	71.8	73.8	80.0	73.3	83.1	81.7	70.0	86.0	79.1	84.2	73.1	69.5
†Hispanic														
†Non-Hispanic														
Diabetes	65.7	56.2	55.6	56.2	62.1	68.1	71.7	72.3	65.9	77.0	66.7	69.6	69.3	69.3
Hypertension	68.1	66.7	62.3	69.5	68.0	73.7	77.5	80.2	58.7	69.9	64.8	66.3	66.8	72.6
Glomerulonephritis	71.1	67.1	67.3	71.3	70.7	75.1	80.2	77.3	71.1	78.3	77.5	75.8	77.5	72.8
Other cause	68.5	66.3	68.9	69.3	72.8	73.6	78.4	73.5	76.2	76.8	71.8	78.1	77.2	74.8
First transplant	68.7	65.2	65.2	67.4	68.7	72.6	76.7	75.5	70.4	76.7	73.1	74.7	73.6	73.0
Subsequent transplants	73.3	67.5	66.2	71.7	77.4	76.6	82.6	74.7	68.0	73.9	57.8	63.2	77.9	68.8
All	68.9	65.3	65.3	67.7	69.5	72.9	77.4	75.4	70.2	76.5	71.8	73.7	73.9	72.6
ADJUSTED														
0-19	56.8	60.0	55.5	51.1	57.0	59.7	61.5	60.7	58.4	72.9	59.1	73.3	62.5	59.3
20-44	69.9	64.3	65.2	68.7	70.2	72.3	76.9	76.3	72.0	76.5	74.5	75.0	75.0	75.2
45-64	57.4	56.7	64.8	69.4	69.2	77.2	81.7	77.0	67.6	75.5	67.2	69.9	75.0	72.3
65-74	*	*	*	81.8	69.5	65.3	73.4	71.7	70.4	84.3	53.3	75.1	63.5	60.8
75+	.	.	.	.	.	*	*	*	.	.	53.4	.	.	.
Male	62.0	58.7	61.5	63.6	65.7	71.5	76.5	74.0	65.1	75.3	70.7	73.4	73.1	72.7
Female	68.8	65.1	63.9	67.9	69.8	71.8	76.0	75.0	73.4	74.6	69.1	72.0	72.7	71.4
White	65.7	62.9	63.0	65.3	69.9	73.7	77.2	74.7	70.6	77.4	71.3	74.8	74.9	74.4
African American	59.7	54.4	59.1	63.4	52.3	60.9	71.1	71.7	57.1	59.8	62.2	60.2	63.3	61.8
Other race	68.5	54.7	66.7	71.5	78.2	72.7	81.3	80.5	64.6	86.2	77.7	83.9	71.5	67.4
Diabetes	60.5	51.8	50.7	50.9	57.2	65.0	68.7	69.8	61.5	74.3	63.1	67.5	67.2	67.8
Hypertension	67.2	67.2	63.4	71.4	69.0	75.2	78.5	81.2	61.4	69.9	64.7	66.5	68.0	73.7
Glomerulonephritis	68.7	64.4	65.2	69.3	69.4	73.8	79.4	76.7	69.4	77.4	75.7	74.6	76.3	72.2
Other cause	65.8	63.4	67.3	67.7	71.4	72.2	77.4	72.8	74.6	75.1	70.3	76.8	76.0	73.5
First transplant	64.7	61.5	62.5	65.2	66.5	71.3	75.7	74.7	68.7	75.3	71.3	74.0	72.6	72.7
Subsequent transplants	68.7	62.5	62.8	68.5	74.6	73.9	80.7	72.1	64.5	71.7	55.4	60.5	76.0	66.2
All	64.7	61.3	62.3	65.2	67.2	71.5	76.3	74.4	68.2	75.0	69.9	72.7	72.8	72.1

Table F.11

Five-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000
<1	*	81.8	60.0	*	80.0	*	50.0
1-4	75.0	80.0	77.3	86.4	80.0	92.3	87.5
5-9	81.3	70.8	77.8	84.2	88.5	94.7	78.6
10-14	90.2	75.7	79.1	71.9	84.6	81.6	60.7
15-19	70.0	63.5	73.1	66.3	65.6	72.1	68.3
20-29	74.2	74.5	72.2	73.3	69.8	73.9	74.1
30-39	74.1	80.4	76.3	79.8	79.4	77.5	79.5
40-49	74.0	78.6	76.5	76.2	79.8	79.6	79.7
50-59	73.7	70.2	74.2	74.9	74.9	79.5	77.6
60-64	52.4	62.2	72.9	71.2	72.4	70.2	73.1
65-69	74.4	58.5	74.4	75.8	64.6	68.7	71.4
70-79	54.6	71.4	72.7	70.0	58.5	73.9	58.1
80+	.	.	.	.	.	50.0	.
Male	72.8	75.4	76.4	75.6	76.2	77.6	75.6
Female	74.5	73.7	72.9	75.3	73.6	75.6	76.7
White	75.6	76.3	76.8	76.9	75.9	78.7	77.2
African American	61.3	65.6	65.3	68.4	69.1	66.3	70.0
Other race	80.7	79.4	77.5	79.0	84.7	88.0	78.3
†Hispanic			76.6	81.2	79.5	82.2	79.7
†Non-Hispanic			74.6	74.5	74.3	75.8	75.4
Diabetes	70.3	74.0	72.0	86.2	72.6	71.9	73.0
Hypertension	70.7	71.7	73.0	76.2	70.6	73.8	75.2
Glomerulonephritis	72.6	75.3	75.3	74.8	76.7	76.7	74.6
Other cause	78.5	76.2	77.4	77.7	77.8	82.1	80.1
First transplant	74.2	74.9	75.6	76.0	75.2	77.2	77.0
Subsequent transplants	67.2	73.0	68.3	71.1	74.7	73.6	68.4
All	73.5	74.7	74.8	75.5	75.1	76.8	76.0
ADJUSTED							
0-19	74.0	65.6	71.7	69.6	73.2	78.3	65.1
20-44	74.3	77.6	75.0	76.6	75.6	76.7	78.3
45-64	72.1	73.2	75.5	75.2	78.2	78.9	77.8
65-74	67.9	64.4	73.3	74.4	62.9	71.9	68.0
75+	.	57.6	*	55.2	76.0	58.6	77.5
Male	72.0	74.9	76.7	75.8	76.9	78.7	77.0
Female	74.1	74.2	73.0	75.5	74.4	76.1	77.2
White	74.9	76.0	76.8	76.9	76.7	79.5	78.5
African American	61.7	66.1	65.8	69.0	69.5	66.6	70.4
Other race	80.2	78.6	78.6	79.2	84.6	87.3	77.8
Diabetes	69.5	73.8	72.4	73.6	73.5	73.4	74.9
Hypertension	71.4	73.3	74.6	78.0	72.7	76.0	77.2
Glomerulonephritis	71.0	74.5	74.8	74.5	76.3	76.6	74.7
Other cause	77.3	74.9	77.0	77.0	77.8	82.1	80.1
First transplant	73.8	74.9	76.1	76.4	76.2	78.2	78.3
Subsequent transplants	64.2	70.9	65.7	68.4	72.5	71.4	66.6
All	72.9	74.4	75.0	75.6	75.7	77.5	77.0

Table F.11
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	22.2	20.8	.	20.8	16.6	16.0	18.8	15.3	15.8	7.6	16.0	.	16.4	6.6
1-4	18.8	10.9	11.8	11.4	13.1	13.5	11.0	10.3	14.5	.	11.2	9.0	11.2	10.5
5-9	10.7	10.7	9.2	9.7	9.1	9.0	9.8	8.9	11.6	8.7	9.0	7.7	8.5	9.6
10-14	7.1	7.7	7.2	6.5	6.3	6.9	7.8	7.4	7.4	6.1	9.1	5.7	7.2	7.6
15-19	6.1	4.6	4.4	4.4	5.1	5.4	4.8	4.9	5.2	5.5	5.4	5.0	5.3	5.6
20-29	2.7	2.7	2.4	2.4	2.5	2.3	2.2	2.3	2.5	2.5	2.3	2.3	2.4	2.3
30-39	3.0	2.7	2.5	2.3	2.2	2.2	1.8	1.9	2.6	2.2	2.3	2.2	2.1	2.1
40-49	4.2	3.9	3.2	3.1	3.0	2.3	2.0	2.0	3.1	2.7	2.7	2.7	2.4	2.2
50-59	7.9	5.3	4.3	3.9	3.4	2.8	2.2	2.4	4.6	3.8	4.0	3.5	3.2	2.9
60-64	.	22.2	12.8	12.7	7.5	4.5	4.1	5.5	11.1	8.1	9.1	7.0	6.2	5.8
65-69	.	.	.	16.0	.	14.5	7.4	8.4	15.7	13.9	11.1	9.9	7.2	8.3
70-79	.	.	.	.	.	.	15.7	12.2	.	.	20.0	18.8	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	2.2	1.9	1.7	1.6	1.6	1.4	1.2	1.3	1.8	1.6	1.6	1.5	1.5	1.4
Female	2.5	2.3	2.2	2.0	1.9	1.8	1.5	1.6	2.1	2.0	1.9	1.8	1.8	1.7
White	1.7	1.6	1.5	1.4	1.3	1.2	1.0	1.1	1.5	1.3	1.3	1.2	1.2	1.2
African American	5.3	4.7	3.7	3.4	3.6	3.2	2.8	2.7	4.2	4.0	4.0	3.4	3.3	2.9
Other race	11.0	7.7	7.1	6.7	5.6	5.7	4.1	4.2	7.1	4.9	6.1	4.8	6.1	5.9
†Hispanic														
†Non-Hispanic														
Diabetes	4.6	4.2	3.4	3.2	3.1	2.5	2.2	2.3	3.0	2.6	2.7	2.4	2.5	2.4
Hypertension	5.6	4.6	3.9	3.6	3.5	3.0	2.5	2.5	4.5	3.8	4.0	3.4	3.1	2.7
Glomerulonephritis	2.8	2.5	2.2	2.1	2.1	1.9	1.6	1.7	2.3	2.0	2.0	2.0	2.0	2.0
Other cause	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.8	2.3	2.2	2.2	2.0	1.9	1.9
First transplant	1.7	1.5	1.4	1.3	1.3	1.2	1.0	1.1	1.4	1.3	1.3	1.2	1.2	1.1
Subsequent transplants	6.5	7.3	5.6	4.7	3.6	3.5	2.6	3.2	4.6	4.6	4.7	4.1	3.6	3.8
All	1.6	1.5	1.3	1.3	1.2	1.1	1.0	1.0	1.4	1.2	1.2	1.2	1.1	1.1

Table F.11
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000
<1	.	11.1	19.2	.	12.0	.	20.83
1-4	14.2	10.0	8.7	7.1	10.0	7.1	8
5-9	9.4	9.1	7.8	8.1	6.1	4.99	10.53
10-14	4.6	6.9	6.1	7.8	5.7	6.2	9.01
15-19	5.1	5.5	5.0	5.0	5.9	5.68	5.81
20-29	2.1	2.3	2.3	2.3	2.5	2.3	2.4
30-39	2.1	1.8	2.0	2.0	1.9	2.1	1.86
40-49	2.2	1.9	2.0	2.0	2.0	1.94	1.74
50-59	2.7	2.5	2.4	2.3	2.2	1.99	1.91
60-64	6.2	4.9	4.1	3.9	4.1	3.71	3.34
65-69	6.9	6.1	4.7	4.5	4.5	4.3	3.4
70-79	14.1	9.6	9.2	8.2	7.6	6.39	5.28
80+	.	.	.	.	.	25	.
Male	1.4	1.3	1.3	1.3	1.3	1.21	1.17
Female	1.6	1.5	1.5	1.5	1.5	1.45	1.33
White	1.1	1.1	1.1	1.1	1.1	1.04	0.97
African American	2.8	2.7	2.6	2.5	2.5	2.37	2.27
Other race	4.1	4.2	4.9	4.2	3.9	3.12	3.98
†Hispanic			2.6	2.3	2.3	2.15	2.09
†Non-Hispanic			1.0	1.1	1.1	1.03	0.96
Diabetes	2.3	2.1	2.1	2.1	2.1	2.07	1.89
Hypertension	2.5	2.5	2.5	2.5	2.6	2.37	2.09
Glomerulonephritis	1.9	1.7	1.7	1.7	1.7	1.72	1.71
Other cause	1.8	1.8	1.7	1.7	1.7	1.52	1.47
First transplant	1.1	1.0	1.0	1.0	1.0	0.98	0.92
Subsequent transplants	3.5	3.1	3.2	3.3	2.9	2.96	2.81
All	1.0	1.0	1.0	1.0	1.0	0.93	0.88

Table F.12

Ten-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<1	66.7	25.0	*	25.0	28.6	40.0	75.0	25.0	50.0	83.3	80.0	77.8	33.3	85.7	66.7	63.6
1-4	25.0	62.5	15.4	37.5	38.5	50.0	53.3	63.2	50.0	75.0	61.5	52.9	69.2	64.3	62.5	60.0
5-9	47.4	47.1	25.0	25.0	44.0	52.4	47.8	40.7	17.7	54.6	57.1	65.5	44.4	45.5	56.3	45.8
10-14	43.2	32.5	45.7	37.5	35.0	42.9	36.8	50.0	43.9	53.7	28.6	53.2	51.2	48.7	61.0	43.2
15-19	47.6	51.5	47.2	42.5	54.0	37.7	51.6	48.4	46.3	56.3	32.1	51.9	47.4	42.9	42.5	48.7
20-29	61.1	56.7	48.3	53.3	53.1	55.0	51.1	52.3	58.4	54.4	54.0	58.0	50.7	56.7	52.5	54.9
30-39	56.8	50.2	51.3	56.8	54.4	50.2	54.9	56.8	50.8	60.4	58.0	57.3	52.5	55.2	54.7	58.7
40-49	45.0	44.0	50.0	51.3	47.5	54.7	57.6	51.3	54.3	54.8	51.0	54.0	56.9	53.0	50.0	57.2
50-59	35.1	40.0	40.2	53.7	50.3	48.6	52.7	51.9	47.7	45.4	39.9	42.9	45.9	45.1	43.7	43.2
60-64	.	66.7	46.2	45.5	53.1	66.7	60.7	37.7	38.9	36.4	21.4	40.0	36.7	32.8	28.6	31.6
65-69	*	*	*	60.0	50.0	40.0	38.7	41.4	28.6	33.3	44.4	64.7	46.5	17.7	38.5	27.7
70-79	.	.	.	*	*	50.0	28.6	42.9	.	.	33.3	25.0	*	28.6	45.5	38.1
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	51.6	48.6	46.2	49.6	50.5	50.9	53.0	51.5	49.3	55.2	51.6	56.7	51.7	52.6	49.1	52.5
Female	56.1	51.4	49.6	54.7	51.8	52.6	54.4	52.6	55.6	54.7	49.1	51.2	50.5	49.4	50.9	50.7
White	54.0	51.6	48.4	53.7	53.3	53.5	55.7	53.7	54.3	57.1	52.4	56.8	53.4	54.3	52.2	54.4
African American	46.3	37.5	39.1	39.5	35.2	38.9	39.3	40.9	33.3	38.6	35.1	35.7	37.6	38.1	36.7	36.6
Other race	66.7	43.6	59.0	52.4	58.0	58.3	57.8	58.5	55.0	64.0	53.5	71.9	55.8	47.5	58.1	58.7
†Hispanic																
†Non-Hispanic																
Diabetes	45.7	36.5	34.3	38.8	34.7	39.4	42.5	43.1	42.6	50.6	40.9	43.2	41.3	41.5	39.7	43.5
Hypertension	56.5	56.9	44.2	50.0	50.0	49.3	52.4	48.0	37.2	43.8	45.3	44.9	41.8	49.3	46.0	47.4
Glomerulonephritis	54.5	51.8	50.7	55.8	53.0	55.5	58.5	55.9	54.1	58.2	56.2	59.1	55.4	53.3	53.2	54.6
Other cause	54.4	50.5	51.5	54.4	57.7	56.6	56.7	55.2	60.7	59.1	53.0	63.2	58.6	57.5	56.5	57.3
First transplant	53.1	49.2	47.5	51.6	49.8	51.6	54.1	53.0	52.0	55.8	51.4	54.9	51.4	51.7	50.4	51.8
Subsequent transplants	60.0	62.5	46.5	51.1	61.7	51.7	49.3	43.0	49.5	45.7	40.4	49.3	48.9	47.2	44.6	51.2
All	53.5	49.7	47.4	51.6	51.0	51.6	53.6	52.0	51.7	55.0	50.5	54.4	51.2	51.3	49.9	51.8
ADJUSTED																
0-19	39.1	41.1	35.9	33.7	40.1	36.9	43.6	43.7	37.6	54.3	34.9	50.2	43.8	45.0	45.2	43.4
20-44	55.5	49.8	48.8	53.5	52.0	53.3	54.6	54.4	54.5	57.3	55.7	57.3	52.8	56.5	54.2	56.8
45-64	35.3	38.2	42.7	51.2	47.9	51.2	53.6	49.2	48.0	45.9	38.8	48.4	48.8	45.5	44.0	48.2
65-74	*	*	*	48.8	45.0	47.3	36.4	40.2	27.6	33.5	38.7	57.0	47.5	24.4	41.6	34.7
75+	.	.	.	.	.	*	*	*	.	.	37.5	.	.	.	.	37.5
Male	45.8	42.8	42.5	46.3	47.3	49.5	51.6	50.3	46.4	52.5	48.6	54.9	49.6	51.3	48.2	51.6
Female	51.3	47.9	46.3	51.8	49.0	50.5	52.5	51.3	53.2	53.1	46.9	50.7	50.3	49.5	50.3	51.6
White	48.6	46.4	44.8	50.0	50.5	51.8	54.4	52.3	52.1	55.1	50.2	55.7	51.8	53.1	51.2	54.1
African American	44.6	37.7	37.9	39.1	35.0	38.6	38.9	40.9	32.9	38.9	35.3	36.0	38.2	38.5	37.5	37.2
Other race	60.0	39.1	52.1	47.5	54.5	56.7	53.9	56.0	47.3	64.9	49.8	71.4	54.5	44.9	57.7	57.4
Diabetes	38.7	31.8	29.0	32.9	29.2	35.4	38.1	39.3	36.7	45.9	35.9	40.2	38.7	39.0	38.8	43.1
Hypertension	55.2	57.3	45.1	52.6	50.9	51.5	53.9	49.8	39.7	44.2	44.6	45.3	43.6	50.7	46.9	49.4
Glomerulonephritis	50.8	48.2	47.7	52.8	51.0	53.4	57.2	54.9	51.3	56.3	52.6	57.1	53.4	52.3	50.7	53.2
Other cause	51.4	47.1	50.0	52.6	55.9	54.9	55.5	54.4	58.5	56.8	51.3	61.3	56.7	55.6	54.6	55.6
First transplant	47.9	44.6	44.2	48.7	46.8	50.0	52.7	52.0	49.5	53.7	48.8	53.8	50.3	51.2	49.9	51.8
Subsequent transplants	54.9	57.2	43.1	47.5	58.5	48.5	46.1	40.1	45.7	42.1	38.8	46.4	46.2	45.1	42.1	49.1
All	47.9	44.8	43.8	48.4	47.9	49.7	51.9	50.7	48.9	52.7	47.7	53.0	49.7	50.5	49.0	51.4

Table F.12
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<1	22.22	16.27	.	16.27	14.62	18.49	18.75	13.17	16.11	10.28	16	13.01	16.38	9	22.22	13.68
1-4	16.27	15.79	8.71	11.43	12.6	13.56	12.28	10.7	14.68	14.24	12.83	11.48	12.21	12.24	15.79	12.1
5-9	11.0	11.6	7.8	9.1	9.6	10.5	10.0	9.2	8.4	10.3	10.5	8.6	9.3	10.2	11.9	9.8
10-14	7.3	7.2	7.2	6.4	6.1	7.0	7.6	8.0	7.6	7.7	8.2	7.2	7.5	7.9	7.5	8.0
15-19	6.2	4.9	4.8	4.5	5.3	5.5	5.1	5.1	5.5	5.8	5.2	5.6	5.7	5.6	5.5	5.8
20-29	2.9	2.9	2.5	2.6	2.7	2.6	2.5	2.6	2.8	2.8	2.6	2.6	2.7	2.5	2.4	2.6
30-39	3.4	2.8	2.7	2.6	2.5	2.4	2.2	2.3	2.8	2.7	2.6	2.5	2.5	2.5	2.3	2.2
40-49	4.3	4.0	3.4	3.3	3.2	2.7	2.4	2.5	3.8	3.4	3.1	2.9	2.8	2.7	2.5	2.3
50-59	7.7	5.3	4.3	4.3	3.8	3.4	2.9	2.9	4.8	4.2	4.1	3.7	3.7	3.1	3.0	2.8
60-64	.	22.2	13.0	14.0	8.6	7.2	6.2	5.8	10.9	8.1	7.4	7.2	6.8	5.8	5.6	4.7
65-69	.	.	.	19.2	20.8	14.2	8.5	8.9	14.6	16.4	11.2	11.2	7.5	6.2	7.6	5.5
70-79	.	.	.	.	.	25.0	14.6	16.6	.	.	20.0	16.3	.	14.6	14.0	10.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	2.3	2.0	1.7	1.7	1.7	1.6	1.5	1.5	1.9	1.9	1.9	1.7	1.7	1.6	1.5	1.5
Female	2.7	2.5	2.3	2.2	2.2	2.0	1.8	1.8	2.4	2.3	2.1	2.0	2.0	1.9	1.8	1.7
White	1.9	1.7	1.5	1.5	1.5	1.4	1.3	1.3	1.6	1.6	1.5	1.4	1.4	1.4	1.3	1.3
African American	5.5	4.5	3.6	3.5	3.4	3.2	3.0	2.9	4.0	3.9	3.9	3.3	3.3	2.9	2.8	2.7
Other race	11.7	7.8	7.7	7.6	6.9	6.3	5.4	5.4	7.7	6.7	7.5	5.9	6.8	6.4	5.1	5.1
†Hispanic																
†Non-Hispanic																
Diabetes	4.8	4.1	3.2	3.1	3.0	2.6	2.4	2.6	3.1	3.1	2.8	2.6	2.7	2.5	2.4	2.4
Hypertension	5.9	4.9	4.0	3.9	3.7	3.5	3.0	3.1	4.4	4.1	4.2	3.5	3.2	3.0	2.7	2.8
Glomerulonephritis	3.0	2.6	2.3	2.3	2.2	2.2	2.0	2.1	2.6	2.4	2.3	2.3	2.3	2.3	2.1	2.0
Other cause	2.6	2.5	2.4	2.3	2.3	2.2	2.0	2.0	2.6	2.6	2.5	2.3	2.2	2.1	2.2	2.0
First transplant	1.8	1.6	1.4	1.4	1.4	1.3	1.2	1.2	1.6	1.5	1.4	1.4	1.4	1.3	1.2	1.2
Subsequent transplants	7.2	7.5	5.9	5.2	4.2	4.1	3.5	3.6	4.9	5.2	4.7	4.3	4.3	4.1	3.7	3.5
All	1.8	1.6	1.4	1.4	1.3	1.3	1.1	1.2	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1

Table F.13

90-day probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	16.7	*	*	10.0	16.7	27.3	*	33.3	33.3	20.0	*	50.0	50.0	50.0
1-4	25.0	*	31.3	8.9	25.5	37.0	19.2	15.6	23.1	21.3	19.6	18.2	*	*
5-9	11.5	2.8	11.4	19.4	8.3	16.8	22.2	15.7	22.6	17.9	21.1	4.6	18.8	14.3
10-14	9.7	11.6	19.8	14.9	15.8	9.4	11.8	18.9	21.5	16.2	17.9	8.8	15.8	10.3
15-19	5.7	11.4	13.2	12.1	12.0	16.5	11.8	12.5	17.3	12.1	12.3	13.9	13.4	11.1
20-29	9.4	11.9	13.8	13.4	13.7	13.4	14.0	12.0	16.2	12.6	12.8	11.2	10.2	10.5
30-39	10.7	9.2	14.0	12.9	12.2	11.1	11.9	13.5	13.4	12.6	11.6	9.5	9.1	11.1
40-49	10.9	8.4	12.0	13.5	12.2	11.5	10.9	13.2	14.7	10.3	11.0	10.7	8.9	8.8
50-59	11.1	9.5	12.8	13.9	7.4	9.6	10.0	8.0	9.7	10.0	8.0	8.4	8.0	8.2
60-64	16.7	11.0	14.4	4.9	7.1	9.4	8.4	6.9	10.4	6.8	7.0	7.2	5.2	5.1
65-69	*	*	*	11.9	*	*	*	14.0	8.3	4.9	8.0	6.3	5.9	4.9
70-79	*	*	.	.	25.0	*	10.0	*	14.3	6.6	9.6	3.5	8.9	7.7
80+	.	.	.	.	*	.	.	.	.	.	.	*	*	.
Male	11.0	9.9	14.1	13.2	12.0	10.5	10.9	11.4	13.2	10.8	10.2	9.3	8.7	8.5
Female	8.9	9.4	12.4	13.0	11.1	13.6	12.5	12.8	13.8	11.3	11.4	10.0	8.7	10.0
White	9.0	9.0	12.4	12.1	11.5	11.1	11.1	12.1	13.1	10.5	10.4	9.4	8.3	9.0
African American	14.8	11.8	16.9	16.1	13.0	13.5	13.0	11.5	15.2	13.5	11.7	10.5	10.2	9.7
Other race	10.9	14.3	13.4	19.3	3.5	7.9	7.5	10.0	8.8	4.3	8.6	7.4	7.1	6.3
†Hispanic														
†Non-Hispanic														
Diabetes	9.5	6.4	8.3	9.9	8.3	8.7	10.0	10.0	12.3	8.9	9.9	8.3	7.4	6.7
Hypertension	12.1	10.4	17.0	13.9	10.7	9.9	11.9	10.4	12.6	11.9	9.6	9.2	8.5	8.9
Glomerulonephritis	10.4	10.3	15.6	16.1	14.2	14.1	12.1	13.3	13.9	12.2	11.4	9.6	8.3	10.6
Other cause	9.8	10.3	12.3	11.8	11.5	12.1	11.8	12.8	14.2	11.0	11.2	11.1	10.4	10.2
First transplant	9.4	8.8	12.8	11.9	9.9	10.1	10.0	10.7	12.0	9.9	9.8	8.7	7.9	8.3
Subsequent transplants	16.8	16.6	18.5	21.3	20.7	18.7	19.2	18.8	21.4	17.6	15.0	14.7	13.3	14.5
All	10.2	9.7	13.4	13.2	11.7	11.6	11.5	11.9	13.4	11.0	10.6	9.6	8.7	9.1
ADJUSTED														
0-19	9.5	11.1	17.4	14.6	14.6	18.6	14.0	16.0	20.9	15.1	16.0	12.9	14.9	12.0
20-44	11.0	10.6	14.1	13.7	12.6	11.9	12.3	12.9	14.4	12.1	12.1	9.9	9.1	10.3
45-64	11.4	9.4	12.7	13.0	9.8	10.2	10.1	9.9	11.7	10.2	8.4	9.4	8.1	8.1
65-74	*	*	.	13.0	4.8	*	2.0	13.4	10.5	6.0	9.6	6.5	7.3	5.5
75+	.	.	.	*	.	.	.	.	.	.	*	*	.	20.6
Male	10.4	9.4	13.3	12.3	11.1	9.7	10.2	10.7	12.6	10.6	9.8	9.0	8.4	8.4
Female	8.5	8.9	11.6	12.2	10.4	12.7	11.6	12.3	13.4	11.0	11.2	9.8	8.6	10.0
White	8.2	8.3	11.6	11.1	10.7	10.3	10.4	11.5	12.6	10.2	10.0	9.2	8.1	9.0
African American	13.4	10.6	14.9	14.2	11.4	12.2	11.7	10.3	14.0	12.5	10.7	9.6	9.5	9.2
Other race	11.4	13.5	13.1	18.5	3.4	7.4	7.4	9.9	8.5	4.2	8.7	7.4	7.1	6.5
Diabetes	9.6	6.5	9.0	10.7	8.8	9.0	10.4	10.7	13.0	9.6	10.6	9.0	8.2	7.2
Hypertension	10.0	8.5	13.7	11.2	8.7	8.2	9.6	8.7	10.6	10.4	8.4	7.9	7.5	8.0
Glomerulonephritis	9.5	9.6	14.6	14.8	12.9	13.1	11.3	12.5	13.4	11.7	10.9	9.2	7.9	10.3
Other cause	9.5	9.7	11.6	11.0	10.9	11.2	11.1	12.4	14.2	10.9	11.0	11.1	10.4	10.5
First transplant	8.9	8.4	12.0	11.2	9.4	9.6	9.5	10.3	11.7	9.7	9.6	8.5	7.8	8.3
Subsequent transplants	15.5	15.1	16.9	18.9	19.1	17.4	17.5	17.1	19.9	16.7	14.2	14.0	12.5	14.0
All	9.7	9.2	12.7	12.3	10.9	10.8	10.8	11.3	13.0	10.8	10.3	9.3	8.5	9.0

Table F.13

90-day probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	*	.	*	*	*	*	*	*	.	*	*
1-4	*	12.5	13.0	6.3	*	5.9	16.7	*	14.3	*	*
5-9	12.9	17.2	3.6	3.9	9.1	14.3	6.3	*	3.6	3.2	3.9
10-14	9.8	24.5	*	3.5	4.1	8.7	2.9	5.7	4.1	2.9	4.3
15-19	11.6	8.9	9.4	6.6	11.8	9.0	9.3	7.1	5.4	2.7	1.6
20-29	9.2	6.9	8.3	4.3	6.6	6.5	6.5	4.9	3.6	4.9	3.2
30-39	8.8	6.7	5.9	5.9	4.2	5.3	4.8	4.8	4.5	4.3	4.0
40-49	7.6	6.3	5.8	4.4	4.3	3.7	4.7	3.3	4.7	3.2	4.0
50-59	6.8	5.8	5.3	4.6	5.0	4.6	4.2	4.0	4.1	4.1	3.5
60-64	7.3	5.1	5.6	3.1	5.3	5.4	3.3	3.3	3.8	5.7	4.0
65-69	6.8	5.3	5.6	5.4	4.1	3.1	4.6	5.6	3.8	3.5	3.8
70-79	4.6	5.7	8.1	3.5	5.3	7.1	3.2	5.4	3.6	3.4	4.0
80+	*	*	*	*	*	*	*	*	*	*	*
Male	7.2	6.4	6.0	4.0	4.9	4.4	4.0	4.2	4.2	3.8	3.3
Female	9.1	6.5	6.0	5.7	5.0	5.5	5.6	4.1	4.3	4.2	4.5
White	7.8	6.6	5.8	4.6	4.9	4.7	4.4	4.2	3.8	3.3	3.7
African American	7.8	6.3	6.9	5.1	5.3	5.8	5.4	4.4	5.2	5.6	4.3
Other race	9.5	4.6	3.2	2.6	3.1	2.1	3.5	3.0	4.3	3.3	2.2
†Hispanic			6.2	3.6	3.5	4.4	3.2	3.1	2.9	3.0	3.3
†Non-Hispanic			6.0	4.8	5.1	4.9	4.8	4.3	4.5	4.1	3.8
Diabetes	5.9	4.8	4.4	86.2	3.9	3.6	3.8	3.1	3.5	3.5	3.6
Hypertension	7.6	5.9	5.2	4.5	4.1	4.8	4.4	4.3	4.5	4.0	3.2
Glomerulonephritis	9.2	7.4	6.4	4.6	5.7	5.3	5.4	4.8	5.0	4.6	4.4
Other cause	9.1	7.5	7.9	5.1	5.8	5.8	5.0	4.8	4.3	4.1	3.7
First transplant	7.2	5.8	5.6	4.2	4.4	4.4	4.1	4.0	4.0	3.7	3.4
Subsequent transplants	12.3	10.0	8.5	7.6	8.1	7.6	7.5	5.5	5.6	5.9	6.2
All	7.9	6.4	6.0	4.7	4.9	4.9	4.6	4.2	4.2	4.0	3.7
ADJUSTED											
0-19	11.1	13.0	6.5	5.5	8.2	9.4	8.4	5.1	5.7	2.8	2.8
20-44	8.2	6.6	6.3	4.9	4.4	4.9	4.8	4.1	3.8	3.8	3.7
45-64	7.3	5.8	5.6	4.1	5.0	4.4	4.1	3.6	4.4	4.1	3.6
65-74	6.7	6.1	6.5	5.0	4.7	4.4	4.3	5.7	3.7	3.8	3.7
75+	7.1	*	5.8	7.0	4.9	5.7	6.0	6.6	5.9	2.1	6.9
Male	7.0	6.3	6.0	3.9	4.7	4.4	4.0	4.2	4.2	3.9	3.3
Female	8.8	6.3	5.9	5.8	4.9	5.5	5.6	4.1	4.4	4.2	4.6
White	7.7	6.5	5.9	4.7	4.9	4.7	4.5	4.4	3.9	3.4	3.8
African American	7.4	6.0	6.7	4.9	5.1	5.7	5.3	4.3	5.1	5.6	4.4
Other race	9.7	4.6	2.9	2.7	3.2	2.1	3.7	3.1	4.5	3.4	2.3
Diabetes	6.3	5.2	4.8	4.7	4.2	4.0	4.2	3.4	3.9	3.8	4.0
Hypertension	6.6	5.2	4.7	4.0	3.7	4.3	3.9	3.8	4.0	3.6	3.1
Glomerulonephritis	8.8	7.1	6.2	4.4	5.4	5.0	5.1	4.6	4.8	4.4	4.1
Other cause	8.9	7.6	8.0	5.1	5.8	5.8	5.0	4.9	4.3	4.2	3.8
First transplant	7.0	5.8	5.6	4.2	4.3	4.4	4.1	4.0	4.1	3.7	3.4
Subsequent transplants	11.6	9.5	8.2	7.2	7.7	7.2	7.2	5.2	5.5	5.7	6.0
All	7.7	6.3	6.0	4.6	4.8	4.8	4.6	4.2	4.3	4.0	3.8

Table F.13
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	13.9	.	.	9.0	13.9	12.7	.	17.4	17.4	16.0	.	25.0	25.0	25.0
1-4	18.8	.	11.2	5.9	10.6	11.6	9.7	8.0	10.9	12.6	9.8	11.1	.	.
5-9	6.1	2.7	5.3	7.0	5.5	6.7	8.6	6.4	7.3	7.1	8.2	4.3	9.4	7.4
10-14	3.7	3.8	4.4	3.8	4.8	4.0	3.9	4.8	5.4	5.2	5.3	4.8	5.8	5.6
15-19	2.1	2.9	2.9	2.6	2.7	3.1	2.7	2.7	3.2	2.7	3.0	3.2	3.4	3.1
20-29	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.3	1.2	1.1	1.1	1.1	1.1
30-39	1.3	1.1	1.2	1.1	1.0	1.0	0.9	1.0	0.9	0.9	0.8	0.8	0.8	0.8
40-49	1.5	1.2	1.3	1.3	1.2	1.1	1.0	1.0	1.0	0.8	0.8	0.8	0.7	0.7
50-59	1.9	1.7	1.8	1.7	1.1	1.3	1.1	1.0	0.9	1.0	0.8	0.8	0.8	0.8
60-64	7.4	5.1	5.0	2.7	2.6	2.7	2.1	1.7	1.7	1.5	1.4	1.3	1.1	1.0
65-69	.	.	.	7.7	.	.	.	3.6	2.3	1.8	2.1	1.6	1.5	1.3
70-79	.	.	.	.	18.8	.	9.0	.	5.9	4.4	4.0	2.4	3.2	2.8
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
Female	1.1	1.0	1.0	1.0	0.9	1.0	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
White	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4
African American	1.8	1.5	1.5	1.4	1.2	1.2	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.8
Other race	4.2	4.4	4.1	4.3	2.0	2.8	2.5	2.4	2.0	1.5	1.8	1.7	1.6	1.5
†Hispanic														
†Non-Hispanic														
Diabetes	1.9	1.3	1.3	1.3	1.1	1.1	1.0	1.0	1.0	0.8	0.8	0.7	0.7	0.6
Hypertension	2.1	1.8	1.9	1.6	1.4	1.2	1.2	1.1	1.1	1.1	0.9	0.9	0.8	0.8
Glomerulonephritis	1.3	1.2	1.2	1.2	1.1	1.1	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.8
Other cause	1.0	1.0	1.0	1.0	0.9	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8
First transplant	0.7	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
Subsequent transplants	2.5	2.3	2.2	2.0	1.7	1.6	1.5	1.5	1.4	1.4	1.2	1.2	1.2	1.3
All	0.7	0.6	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4

Table F.13
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	.	.	.	.	.	.	.	.	.	.	.
1-4	.	10.9	8.3	5.9	.	5.5	10.3	.	8.7	.	.
5-9	5.9	6.8	3.4	3.7	4.9	7.3	5.9	.	3.4	3.12	3.7
10-14	4.1	7.4	.	2.4	2.8	4.1	2.9	3.9	2.8	1.96	2.39
15-19	2.6	2.5	3.0	2.8	3.3	2.6	2.9	2.8	2.3	1.52	1.14
20-29	1.1	0.9	1.1	0.8	1.1	1.1	1.1	1.0	0.9	1.01	0.8
30-39	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.55
40-49	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.43	0.46
50-59	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.46	0.4
60-64	1.2	1.0	1.0	0.8	1.0	1.0	0.8	0.7	0.7	0.85	0.69
65-69	1.5	1.3	1.2	1.2	1.0	0.9	1.0	1.1	0.8	0.75	0.75
70-79	2.0	2.1	2.5	1.5	1.7	2.0	1.2	1.4	1.1	0.97	1
80+	.	.	.	.	.	.	.	.	.	.	.
Male	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.29	0.26
Female	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.38	0.37
White	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.27	0.27
African American	0.7	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.49	0.42
Other race	1.6	1.2	1.0	0.9	1.0	0.8	1.0	0.9	1.0	0.83	0.58
†Hispanic			1.0	0.8	0.7	0.8	0.7	0.6	0.6	0.55	0.54
†Non-Hispanic			0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.25	0.23
Diabetes	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.39	0.38
Hypertension	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.52	0.44
Glomerulonephritis	0.7	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.52	0.48
Other cause	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.46	0.43
First transplant	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.24	0.22
Subsequent transplants	1.1	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.79	0.74
All	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.23	0.22

Table F.14

One-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants*by age, gender, race, ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	16.7	*	*	10.0	16.7	27.3	14.3	33.3	33.3	20.0	33.3	50.0	50.0	50.0
1-4	25.0	25.0	31.3	22.8	25.5	49.6	32.7	26.8	38.5	21.3	19.6	18.2	11.1	*
5-9	19.8	19.9	25.7	25.8	20.8	20.3	32.6	38.4	32.3	21.4	25.7	13.6	18.8	14.3
10-14	26.7	21.7	28.4	34.6	29.8	15.2	22.1	25.3	28.8	26.9	27.9	14.7	15.8	17.2
15-19	17.5	21.5	25.1	23.2	26.9	33.8	21.7	21.9	26.9	21.1	19.0	20.0	19.6	15.3
20-29	26.6	26.2	23.8	25.5	23.9	21.0	23.3	20.6	22.9	17.2	17.9	15.8	15.7	14.4
30-39	25.4	26.4	26.0	27.8	20.9	19.0	20.6	21.3	19.3	17.7	15.8	13.4	13.1	15.6
40-49	24.9	21.8	24.6	25.8	22.5	19.5	20.8	21.1	21.0	16.0	15.6	14.4	11.8	12.6
50-59	27.9	24.6	24.7	27.9	15.9	16.5	15.8	13.1	14.0	13.6	12.8	11.9	11.7	11.4
60-64	42.0	32.5	25.6	16.0	13.7	14.9	14.3	16.1	13.0	10.9	11.0	9.0	10.0	9.0
65-69	*	16.7	*	19.2	12.2	14.7	7.0	27.1	13.8	11.9	13.1	7.8	7.7	11.5
70-79	*	*	.	*	25.0	*	10.0	*	17.5	6.6	17.8	11.1	8.9	12.7
80+	.	.	.	.	*	.	.	.	.	.	.	*	*	.
Male	26.1	24.6	25.8	27.3	21.0	18.8	19.8	19.3	19.3	15.4	15.0	13.0	12.5	12.1
Female	24.4	24.6	23.4	25.1	21.7	21.1	20.6	20.4	19.0	16.9	15.9	13.9	12.5	14.5
White	22.8	22.3	22.9	24.1	20.1	18.5	18.7	19.4	18.3	14.7	14.4	12.6	11.7	12.4
African American	34.4	33.1	32.1	33.5	25.9	23.6	24.8	20.7	23.2	21.5	18.6	16.3	15.2	15.3
Other race	32.5	26.7	22.8	31.9	13.7	12.6	13.7	18.3	11.3	6.0	13.6	8.3	10.1	10.3
†Hispanic														
†Non-Hispanic														
Diabetes	25.0	19.5	20.3	25.7	17.9	16.1	17.8	16.9	17.8	12.8	14.2	11.7	10.9	9.9
Hypertension	29.5	28.1	30.1	26.6	20.9	18.7	21.5	20.3	19.2	17.2	15.9	13.7	12.6	12.5
Glomerulonephritis	26.7	28.1	27.8	27.6	22.8	21.0	20.2	21.2	19.0	17.2	15.8	13.5	12.5	15.0
Other cause	23.6	22.7	22.3	25.9	21.9	21.1	20.7	19.8	20.3	16.6	15.6	14.5	13.9	14.9
First transplant	24.3	23.4	24.0	25.0	19.3	17.5	18.6	18.5	17.5	14.5	14.3	12.4	11.8	12.3
Subsequent transplants	34.3	33.1	32.1	35.9	31.7	29.7	27.8	26.8	28.6	24.5	20.8	18.4	16.7	18.3
All	25.5	24.6	24.9	26.5	21.3	19.6	20.1	19.7	19.2	16.0	15.4	13.3	12.5	13.1
ADJUSTED														
0-19	23.6	24.2	28.6	28.5	28.7	31.7	25.1	26.5	30.6	23.6	23.4	19.0	19.4	16.0
20-44	27.4	26.8	25.8	27.8	22.3	19.8	21.9	20.9	20.8	17.3	16.6	14.1	13.2	14.5
45-64	28.2	24.9	25.5	25.7	19.0	17.4	16.7	16.7	16.3	14.4	13.1	12.5	11.7	11.6
65-74	*	26.8	.	20.8	16.6	15.6	8.4	25.7	16.1	12.6	15.8	9.5	9.2	11.8
75+	.	.	.	*	.	.	.	.	.	.	14.9	*	.	34.9
Male	24.9	23.5	24.3	25.4	19.6	17.4	18.6	18.2	18.5	15.0	14.4	12.6	12.1	12.0
Female	23.0	23.1	21.8	23.4	20.5	19.8	19.3	19.5	18.5	16.5	15.6	13.5	12.3	14.5
White	21.0	20.7	21.3	22.3	18.8	17.2	17.6	18.5	17.6	14.2	13.9	12.3	11.5	12.4
African American	31.3	29.8	28.5	29.9	22.9	21.5	22.5	18.8	21.4	19.9	17.2	15.0	14.1	14.5
Other race	33.5	25.2	22.5	30.4	13.0	12.0	13.4	18.2	11.0	5.8	13.7	8.2	10.1	10.7
Diabetes	26.0	20.8	21.7	27.3	19.2	16.8	18.6	18.0	18.7	13.8	15.3	12.6	11.9	10.7
Hypertension	24.8	23.4	24.4	21.8	17.0	15.6	17.6	17.1	16.3	15.0	13.8	12.0	11.1	11.2
Glomerulonephritis	24.7	26.1	26.0	25.6	20.9	19.6	19.2	20.1	18.4	16.6	15.1	12.8	11.9	14.6
Other cause	22.7	21.7	20.8	24.1	20.8	19.5	19.5	19.0	20.2	16.4	15.2	14.6	13.9	15.3
First transplant	23.2	22.3	22.5	23.6	18.3	16.6	17.8	17.8	17.1	14.3	14.1	12.2	11.6	12.2
Subsequent transplants	31.6	30.9	29.4	32.1	29.1	27.6	25.5	24.5	26.6	23.1	19.6	17.5	15.8	17.7
All	24.4	23.5	23.5	24.8	20.0	18.3	18.9	18.8	18.5	15.6	14.9	13.0	12.2	13.0

Table F.14

One-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants*by age, gender, race, ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	*	.	*	*	*	*	*	*	.	*	*
1-4	*	25.0	13.0	6.3	*	5.9	25.0	*	14.3	*	*
5-9	16.1	17.2	10.7	3.9	9.1	19.1	6.3	*	3.6	12.9	3.9
10-14	9.8	27.6	4.0	8.8	6.1	8.7	2.9	14.3	6.1	5.7	5.7
15-19	17.8	20.2	12.5	9.3	20.5	15.0	13.5	9.4	5.4	9.1	5.8
20-29	13.9	10.5	11.7	9.1	9.2	9.7	10.1	6.9	7.9	8.5	5.3
30-39	12.7	10.7	8.5	8.5	7.1	9.1	6.8	7.3	7.5	7.4	7.1
40-49	11.4	9.1	9.4	7.5	6.4	6.2	7.9	6.1	7.6	5.5	6.2
50-59	9.8	8.1	8.3	6.3	7.6	7.9	6.6	7.0	6.0	6.2	6.2
60-64	9.5	8.4	8.6	5.4	8.7	7.7	7.2	6.0	6.8	8.0	7.1
65-69	11.5	7.8	8.4	8.4	7.2	6.1	7.3	7.7	8.2	4.9	6.1
70-79	8.5	11.0	10.6	4.3	9.1	10.3	5.1	8.6	7.5	6.5	7.2
80+	*	*	*	*	*	*	*	*	14.3	8.3	*
Male	11.1	10.0	8.9	6.7	7.8	7.8	6.9	6.8	7.3	6.4	6.3
Female	12.4	9.2	9.3	8.4	7.4	8.2	8.2	7.0	6.9	6.7	6.5
White	10.9	9.4	8.5	6.9	7.0	7.1	6.3	6.3	6.2	5.5	5.9
African American	13.3	10.8	10.7	9.2	9.6	10.8	10.1	8.3	9.2	8.8	7.9
Other race	11.1	7.5	9.2	3.6	5.0	3.6	5.6	4.8	6.2	5.7	4.1
†Hispanic			9.1	6.3	4.6	6.2	5.4	4.2	4.7	5.6	5.2
†Non-Hispanic			9.1	7.5	8.1	8.2	7.7	7.3	7.5	6.7	6.6
Diabetes	8.9	6.7	6.6	86.2	6.1	5.6	6.5	5.1	6.1	5.7	6.3
Hypertension	11.9	9.7	9.2	7.9	8.8	8.1	7.9	7.8	8.7	6.8	6.3
Glomerulonephritis	13.3	11.4	10.0	7.2	8.2	9.8	8.4	7.5	7.6	7.6	6.9
Other cause	12.4	11.2	10.8	7.7	7.8	8.5	7.1	7.6	6.5	6.5	6.2
First transplant	10.7	9.0	8.7	6.8	6.9	7.2	6.8	6.4	6.8	5.9	5.8
Subsequent transplants	17.4	14.2	11.6	10.9	11.9	12.5	10.8	10.3	9.2	10.9	10.0
All	11.6	9.7	9.1	7.4	7.6	8.0	7.4	6.9	7.1	6.5	6.4
ADJUSTED											
0-19	15.5	21.3	10.3	8.5	13.7	13.4	11.6	8.2	6.3	8.6	5.6
20-44	12.3	10.1	9.5	8.0	6.9	8.4	7.2	6.6	6.9	6.6	6.3
45-64	10.4	8.4	8.5	6.5	7.6	7.0	7.1	6.4	6.8	6.3	6.2
65-74	11.6	9.5	9.3	7.5	8.3	7.5	7.0	8.3	8.3	5.7	6.6
75+	7.1	6.5	17.4	11.1	7.5	8.7	6.0	8.4	9.6	6.6	8.2
Male	10.8	9.9	8.9	6.5	7.7	7.7	6.8	6.7	7.3	6.6	6.3
Female	12.1	9.0	9.3	8.5	7.3	8.2	8.2	7.0	7.0	6.7	6.8
White	10.8	9.4	8.5	7.0	7.1	7.2	6.4	6.6	6.5	5.8	6.2
African American	12.6	10.3	10.3	8.9	9.3	10.5	9.9	8.2	9.1	8.8	7.9
Other race	11.3	7.5	9.4	3.7	5.2	3.7	5.9	5.0	6.4	6.0	4.3
Diabetes	9.6	7.3	7.2	7.4	6.7	6.1	7.1	5.6	6.7	6.2	6.9
Hypertension	10.6	8.6	8.2	7.1	7.9	7.4	7.1	7.0	7.8	6.2	5.9
Glomerulonephritis	12.7	11.0	9.7	6.9	7.8	9.2	7.9	7.1	7.4	7.3	6.6
Other cause	12.3	11.2	10.9	7.7	7.8	8.5	7.1	7.6	6.6	6.7	6.2
First transplant	10.4	8.9	8.7	6.8	6.9	7.2	6.8	6.4	6.9	6.0	5.9
Subsequent transplants	16.6	13.7	11.2	10.4	11.4	11.9	10.3	9.7	8.9	10.7	9.7
All	11.3	9.6	9.1	7.3	7.6	7.9	7.4	6.8	7.2	6.6	6.5

Table F.14
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	13.9	.	.	9.0	13.9	12.7	12.2	17.4	17.4	16.0	22.2	25.0	25.0	25.0
1-4	18.8	14.2	11.2	8.8	10.6	11.9	11.6	10.0	12.7	12.6	9.8	11.1	9.9	.
5-9	7.8	6.6	7.3	7.7	8.1	7.2	9.9	8.5	8.2	7.6	8.9	7.1	9.4	7.4
10-14	5.7	4.9	5.0	5.1	6.0	4.9	5.0	5.4	6.0	6.3	6.3	6.0	5.8	6.9
15-19	3.5	3.7	3.7	3.4	3.6	4.0	3.4	3.4	3.8	3.5	3.6	3.7	4.0	3.6
20-29	2.1	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3
30-39	1.9	1.7	1.6	1.5	1.3	1.2	1.2	1.2	1.1	1.1	1.0	0.9	0.9	1.0
40-49	2.1	1.9	1.7	1.7	1.5	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.8
50-59	2.8	2.6	2.4	2.2	1.6	1.6	1.4	1.2	1.1	1.1	1.0	1.0	1.0	0.9
60-64	9.8	8.5	6.3	4.9	3.5	3.3	2.8	2.6	1.9	1.9	1.7	1.4	1.6	1.4
65-69	.	13.9	.	9.7	7.8	6.7	3.9	4.7	2.9	2.8	2.7	1.8	1.8	2.0
70-79	.	.	.	.	18.8	.	9.0	.	6.4	4.4	5.4	4.2	3.2	3.6
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.3	1.1	1.1	1.0	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5
Female	1.6	1.6	1.4	1.3	1.2	1.2	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.7
White	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5
African American	2.4	2.2	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
Other race	6.4	5.7	5.1	5.1	3.8	3.5	3.4	3.2	2.2	1.7	2.3	1.8	1.8	1.9
†Hispanic														
†Non-Hispanic														
Diabetes	2.9	2.3	2.0	2.0	1.6	1.4	1.3	1.2	1.2	1.0	1.0	0.9	0.8	0.7
Hypertension	3.0	2.7	2.3	2.0	1.8	1.7	1.6	1.4	1.3	1.3	1.1	1.0	1.0	0.9
Glomerulonephritis	1.8	1.8	1.5	1.4	1.3	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.9	0.9
Other cause	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9
First transplant	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5
Subsequent transplants	3.2	2.9	2.7	2.4	2.0	1.9	1.7	1.7	1.6	1.6	1.3	1.3	1.3	1.4
All	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4

Table F.14
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	.	.	.	.	.	.	.	.	.	.	.
1-4	.	14.2	8.3	5.9	.	5.5	11.9	.	8.7	.	.
5-9	6.5	6.8	5.7	3.7	4.9	8.2	5.9	.	3.4	5.92	3.7
10-14	4.1	7.7	2.7	3.7	3.4	4.1	2.9	5.8	3.4	2.75	2.74
15-19	3.1	3.6	3.4	3.3	4.2	3.2	3.5	3.2	2.3	2.72	2.12
20-29	1.3	1.1	1.3	1.2	1.2	1.3	1.3	1.2	1.3	1.31	1.03
30-39	0.9	0.8	0.8	0.8	0.7	0.9	0.7	0.8	0.8	0.78	0.72
40-49	0.8	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.7	0.56	0.57
50-59	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.56	0.53
60-64	1.4	1.3	1.2	1.0	1.3	1.1	1.1	1.0	1.0	1	0.91
65-69	1.9	1.6	1.5	1.5	1.3	1.2	1.3	1.3	1.2	0.88	0.95
70-79	2.7	2.9	2.8	1.7	2.2	2.4	1.5	1.8	1.5	1.33	1.34
80+	.	.	.	.	.	.	.	.	12.2	7.64	.
Male	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.38	0.36
Female	0.7	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.48	0.45
White	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.35	0.35
African American	0.8	0.8	0.8	0.7	0.7	0.8	0.7	0.6	0.6	0.6	0.56
Other race	1.8	1.6	1.7	1.1	1.2	1.0	1.2	1.2	1.2	1.09	0.79
†Hispanic			1.2	1.0	0.8	0.9	0.9	0.7	0.7	0.74	0.68
†Non-Hispanic			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.32	0.31
Diabetes	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
Hypertension	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.67	0.61
Glomerulonephritis	0.9	0.8	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.66	0.6
Other cause	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.58	0.55
First transplant	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.29
Subsequent transplants	1.3	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.0	1.05	0.92
All	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.28

Table F.15

Two-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	58.3	*	*	21.3	16.7	27.3	14.3	33.3	33.3	20.0	33.3	50.0	50.0	50.0
1-4	50.0	25.0	43.8	27.7	25.5	49.6	32.7	32.4	38.5	21.3	26.3	28.4	11.1	*
5-9	28.7	32.1	34.3	29.2	29.2	27.5	37.8	38.4	32.3	21.4	30.3	22.7	18.8	14.3
10-14	37.2	33.5	33.3	44.1	40.4	27.0	36.9	31.9	37.9	33.4	35.9	20.6	26.3	20.8
15-19	25.9	30.9	38.7	26.6	34.5	40.3	28.8	31.3	34.2	32.3	28.2	29.5	30.0	23.7
20-29	33.4	33.8	31.1	32.9	30.0	29.0	30.4	29.2	31.2	23.7	24.5	20.7	21.5	19.7
30-39	32.8	34.1	34.4	34.5	28.3	26.5	27.8	28.5	25.3	23.9	21.0	17.3	17.4	20.4
40-49	34.6	28.1	31.8	32.8	28.6	25.6	27.3	26.5	25.6	20.8	19.8	17.7	15.7	16.1
50-59	36.7	31.7	31.0	34.7	21.7	19.6	20.8	17.7	17.9	17.3	15.9	14.8	15.0	14.5
60-64	46.4	40.7	30.5	18.1	21.0	20.9	18.5	18.9	15.7	14.9	13.6	10.7	12.3	10.8
65-69	16.7	33.3	*	27.3	12.2	19.5	9.9	27.1	18.9	16.1	13.1	9.8	10.6	13.2
70-79	*	*	.	50.0	25.0	*	10.0	*	17.5	14.5	17.8	13.1	8.9	16.9
80+	.	.	.	.	*	.	.	.	.	.	.	*	*	.
Male	33.7	32.4	33.5	34.3	27.5	25.1	26.3	25.8	25.0	20.7	19.8	16.5	17.2	16.2
Female	33.6	31.8	31.2	31.4	28.5	28.0	27.2	26.2	23.9	22.3	20.0	17.7	15.6	18.1
White	30.3	29.1	29.7	30.3	25.9	23.4	23.8	24.0	22.1	18.7	17.9	15.3	14.7	15.3
African American	45.8	43.0	42.8	42.7	35.4	34.7	35.7	32.3	33.4	31.1	25.9	22.9	22.5	22.5
Other race	38.9	41.7	32.0	35.9	19.1	21.6	19.0	23.4	16.1	11.6	18.8	11.0	13.6	12.0
†Hispanic														
†Non-Hispanic														
Diabetes	29.9	26.0	27.2	31.9	24.5	20.1	23.7	22.5	21.6	17.0	18.4	14.2	13.8	13.5
Hypertension	40.7	34.4	39.7	34.8	30.6	30.2	30.8	29.0	26.4	25.3	21.5	18.6	18.1	18.2
Glomerulonephritis	33.9	35.7	35.7	35.0	29.2	27.1	27.0	27.0	24.6	23.1	20.9	17.5	17.3	18.4
Other cause	32.5	31.2	29.3	31.6	27.3	27.0	26.1	25.5	25.6	20.7	19.1	17.7	17.2	18.2
First transplant	32.3	31.0	31.6	31.5	25.7	23.5	24.8	24.8	22.8	20.0	18.6	15.8	15.8	16.2
Subsequent transplants	44.4	41.1	40.7	44.5	39.1	38.5	36.2	32.3	34.5	28.7	26.9	23.3	21.2	22.3
All	33.7	32.2	32.6	33.2	27.9	26.2	26.7	26.0	24.6	21.3	19.9	17.0	16.6	16.9
ADJUSTED														
0-19	34.9	35.4	39.4	34.4	36.8	39.1	34.2	33.9	37.1	32.0	31.8	28.0	28.4	22.2
20-44	35.0	34.3	33.8	35.0	29.3	27.1	28.9	28.0	27.1	23.6	22.0	18.1	17.8	19.1
45-64	37.9	32.5	31.9	32.0	24.6	22.1	22.0	21.6	20.2	18.3	16.4	15.4	14.9	14.6
65-74	13.3	41.3	.	37.4	16.7	20.5	10.9	25.6	20.5	17.9	15.7	11.8	11.6	14.3
75+	.	.	.	*	.	.	.	.	.	.	14.1	*	.	34.4
Male	32.2	30.9	31.5	31.9	25.6	23.3	24.7	24.3	24.0	20.1	19.0	16.0	16.6	16.0
Female	31.6	29.9	29.0	29.2	26.8	26.2	25.5	25.0	23.2	21.8	19.6	17.3	15.4	18.0
White	27.9	26.9	27.5	28.0	24.2	21.7	22.4	22.8	21.3	18.1	17.3	14.9	14.4	15.2
African American	41.8	38.9	38.2	38.3	31.5	31.7	32.6	29.5	30.9	28.9	24.0	21.1	20.9	21.3
Other race	39.8	39.1	31.5	34.1	18.2	20.4	18.6	23.2	15.6	11.4	18.7	10.9	13.5	12.4
Diabetes	31.0	27.4	28.9	33.6	26.2	20.9	24.6	23.8	22.6	18.2	19.7	15.2	15.0	14.5
Hypertension	34.5	28.8	32.5	28.7	25.0	25.6	25.4	24.6	22.6	22.2	18.8	16.4	16.0	16.4
Glomerulonephritis	31.4	33.2	33.5	32.6	26.8	25.3	25.7	25.6	23.7	22.2	20.0	16.6	16.5	17.9
Other cause	31.2	29.6	27.3	29.5	25.9	24.9	24.6	24.3	25.5	20.4	18.6	17.8	17.2	18.5
First transplant	30.7	29.4	29.6	29.6	24.4	22.3	23.7	23.9	22.3	19.7	18.2	15.6	15.6	16.0
Subsequent transplants	40.9	38.2	37.1	39.8	35.9	35.6	33.2	29.6	32.0	27.1	25.3	22.0	20.0	21.4
All	32.1	30.7	30.7	31.1	26.2	24.5	25.1	24.7	23.7	20.8	19.3	16.5	16.2	16.8

Table F.15

Two-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	*	.	*	66.7	*	*	*	*	.	50.0
1-4	*	25.0	19.6	6.3	*	5.9	33.3	*	14.3	*
5-9	16.1	24.3	14.4	7.7	12.1	19.1	12.5	*	10.7	12.9
10-14	15.7	37.4	12.0	12.3	12.4	10.9	5.9	22.9	10.2	14.6
15-19	26.2	27.5	23.0	20.1	28.1	21.8	29.1	20.0	16.1	21.0
20-29	19.2	16.1	17.5	14.0	15.3	16.5	17.0	11.7	13.2	13.7
30-39	16.3	13.9	12.3	13.1	10.2	12.0	12.1	11.2	11.1	12.0
40-49	15.1	11.9	13.5	11.4	9.8	9.8	11.7	9.5	10.9	8.9
50-59	12.4	10.3	10.6	9.1	11.1	10.4	9.9	9.9	9.7	9.7
60-64	12.2	10.9	10.9	9.0	11.2	9.6	8.7	8.7	10.3	10.2
65-69	13.5	9.3	9.4	12.2	8.0	9.8	8.9	10.5	11.2	6.9
70-79	9.6	13.8	12.3	6.0	12.0	14.4	8.2	9.1	9.8	9.7
80+	*	*	*	*	*	*	20.0	*	28.6	8.3
Male	14.4	13.2	12.6	10.8	10.9	11.0	10.7	9.8	11.1	10.0
Female	16.4	12.5	12.9	12.1	11.4	11.9	12.9	10.8	10.3	10.5
White	13.5	11.7	11.0	10.1	9.4	9.3	9.8	8.7	9.0	8.3
African American	19.5	16.6	17.1	14.7	15.3	17.0	15.7	13.7	14.9	14.4
Other race	14.4	9.4	11.9	7.4	8.8	6.1	9.0	7.9	9.2	8.5
†Hispanic			11.9	9.0	7.2	8.4	8.5	7.8	7.3	7.8
†Non-Hispanic			12.8	11.6	11.6	11.8	12.0	10.6	11.3	10.6
Diabetes	11.0	9.1	8.9	86.2	8.6	7.9	9.9	7.7	8.9	8.3
Hypertension	16.9	14.4	14.3	12.3	13.1	13.1	11.9	11.5	14.0	11.7
Glomerulonephritis	17.5	14.6	14.5	12.0	12.5	13.9	13.3	11.6	11.5	11.8
Other cause	15.7	14.1	13.7	10.9	10.7	11.1	11.4	10.9	9.8	10.0
First transplant	14.2	12.0	12.2	10.7	10.2	10.6	10.6	9.6	10.5	9.4
Subsequent transplants	21.2	18.8	16.1	15.1	16.3	16.2	17.0	14.7	12.9	16.2
All	15.2	12.9	12.7	11.3	11.1	11.4	11.6	10.2	10.8	10.2
ADJUSTED										
0-19	22.0	28.7	19.0	16.4	19.8	18.1	23.2	16.0	14.3	18.3
20-44	16.4	14.0	13.8	12.5	10.6	12.4	12.1	10.1	10.5	10.7
45-64	13.1	10.7	11.4	9.6	10.9	9.5	10.3	9.5	10.3	9.4
65-74	13.5	11.3	10.4	11.1	9.8	11.7	8.9	10.6	11.4	8.4
75+	6.7	12.7	22.4	10.4	7.2	8.2	15.6	8.1	10.5	7.5
Male	14.0	13.0	12.5	10.5	10.7	10.9	10.6	9.7	11.1	10.2
Female	15.9	12.2	12.8	12.1	11.3	11.9	12.8	10.9	10.5	10.5
White	13.3	11.7	11.1	10.2	9.5	9.4	10.0	9.1	9.3	8.7
African American	18.4	15.8	16.4	14.2	14.8	16.5	15.3	13.4	14.7	14.4
Other race	14.7	9.4	12.1	7.5	9.1	6.3	9.6	8.2	9.5	8.8
Diabetes	11.8	9.8	9.7	10.9	9.3	8.7	10.8	8.4	9.8	9.0
Hypertension	15.0	12.7	12.9	11.1	11.8	12.0	10.7	10.3	12.6	10.7
Glomerulonephritis	16.7	14.1	14.1	11.5	11.9	13.1	12.5	10.9	11.1	11.4
Other cause	15.4	14.2	13.8	11.0	10.6	11.1	11.4	11.0	9.9	10.2
First transplant	13.9	11.8	12.2	10.6	10.2	10.6	10.6	9.5	10.5	9.4
Subsequent transplants	20.2	18.0	15.4	14.4	15.5	15.4	16.2	13.9	12.5	15.9
All	14.8	12.7	12.6	11.2	11.0	11.3	11.5	10.2	10.9	10.4

Table F.15
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	18.7	.	.	12.6	13.9	12.7	12.2	17.4	17.4	16.0	22.2	25.0	25.0	25.0
1-4	20.8	14.2	11.9	9.4	10.6	11.9	11.6	10.6	12.7	12.6	10.9	13.2	9.9	.
5-9	9.0	7.9	7.9	8.0	9.0	8.1	10.3	8.5	8.2	7.6	9.4	8.7	9.4	7.4
10-14	6.2	5.7	5.2	5.3	6.4	6.1	5.8	5.8	6.4	6.8	6.7	6.8	7.0	7.4
15-19	4.0	4.2	4.2	3.6	3.9	4.1	3.8	3.8	4.0	4.0	4.1	4.2	4.6	4.3
20-29	2.2	2.1	2.0	1.9	1.8	1.8	1.6	1.7	1.7	1.5	1.5	1.4	1.5	1.4
30-39	2.1	1.9	1.7	1.6	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	1.1
40-49	2.4	2.1	1.9	1.9	1.7	1.5	1.5	1.4	1.2	1.1	1.0	1.0	1.0	0.9
50-59	3.1	2.9	2.6	2.4	1.9	1.8	1.6	1.4	1.3	1.2	1.1	1.1	1.1	1.0
60-64	9.9	9.1	6.8	5.2	4.3	3.9	3.1	2.8	2.0	2.2	1.9	1.6	1.7	1.5
65-69	13.9	17.4	.	11.4	7.8	7.7	4.6	4.7	3.4	3.2	2.7	2.0	2.0	2.2
70-79	.	.	.	25.0	18.8	.	9.0	.	6.4	6.6	5.4	4.6	3.2	4.1
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.4	1.3	1.2	1.1	1.0	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.7	0.6
Female	1.8	1.7	1.5	1.4	1.3	1.3	1.2	1.1	0.9	0.9	0.9	0.8	0.8	0.8
White	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6
African American	2.6	2.4	2.1	1.9	1.8	1.7	1.5	1.5	1.4	1.4	1.2	1.1	1.1	1.1
Other race	6.8	6.5	5.9	5.3	4.4	4.5	3.9	3.5	2.6	2.4	2.6	2.1	2.1	2.0
†Hispanic														
†Non-Hispanic														
Diabetes	3.1	2.6	2.3	2.2	1.8	1.6	1.5	1.4	1.3	1.1	1.1	0.9	0.9	0.9
Hypertension	3.2	2.8	2.5	2.2	2.1	2.0	1.8	1.6	1.4	1.5	1.3	1.2	1.2	1.1
Glomerulonephritis	2.0	1.9	1.7	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0	0.9	1.0	1.0
Other cause	1.7	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0
First transplant	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5
Subsequent transplants	3.4	3.1	2.9	2.5	2.1	2.0	1.9	1.8	1.7	1.7	1.5	1.4	1.4	1.5
All	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5

Table F.15
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	.	.	.	20.0	.	.	.	.	.	25
1-4	.	14.2	9.8	5.9	.	5.5	12.9	.	8.66	.
5-9	6.5	7.8	6.6	5.1	5.6	8.2	8.0	.	5.74	5.92
10-14	5.0	8.4	4.6	4.3	4.7	4.5	4.0	7.0	4.28	4.22
15-19	3.6	4.0	4.3	4.6	4.7	3.8	4.6	4.3	3.79	3.88
20-29	1.5	1.4	1.5	1.4	1.5	1.7	1.7	1.5	1.57	1.63
30-39	1.0	0.9	0.9	1.0	0.9	1.0	1.0	0.9	0.9	0.97
40-49	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.79	0.71
50-59	0.9	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.72	0.69
60-64	1.6	1.5	1.4	1.3	1.5	1.3	1.2	1.2	1.18	1.12
65-69	2.1	1.7	1.6	1.8	1.4	1.6	1.4	1.5	1.41	1.06
70-79	2.9	3.2	3.0	2.1	2.6	2.8	1.9	1.9	1.76	1.63
80+	.	.	.	.	.	.	16.0	.	15.68	7.64
Male	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.47
Female	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.59	0.59
White	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.44	0.42
African American	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.76
Other race	2.0	1.8	1.9	1.5	1.6	1.3	1.6	1.5	1.47	1.32
†Hispanic			1.4	1.2	1.0	1.1	1.1	1.0	0.87	0.87
†Non-Hispanic			0.5	0.4	0.5	0.5	0.5	0.4	0.42	0.4
Diabetes	0.8	0.7	0.7	0.8	0.7	0.7	0.8	0.6	0.63	0.6
Hypertension	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.9	0.95	0.87
Glomerulonephritis	1.0	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.81
Other cause	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.73	0.71
First transplant	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.41	0.38
Subsequent transplants	1.4	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.13	1.25
All	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.38	0.37

Table F.16

Three-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	58.3	*	*	21.3	16.7	27.3	31.4	33.3	33.3	20.0	66.7	50.0	50.0	50.0
1-4	50.0	37.5	43.8	32.8	42.1	62.2	32.7	32.4	38.5	21.3	26.3	28.4	11.1	*
5-9	33.2	38.2	42.9	32.6	42.5	31.1	48.1	41.7	32.3	25.0	30.3	22.7	25.0	23.8
10-14	45.9	45.3	43.6	50.1	45.7	37.4	47.6	35.3	48.9	37.7	47.9	20.6	29.0	32.2
15-19	34.6	35.1	42.5	35.0	39.9	45.4	36.8	45.5	44.4	37.6	38.3	34.0	38.4	34.3
20-29	37.2	41.3	35.9	36.9	36.9	36.6	36.5	36.0	36.0	30.4	30.3	26.0	26.9	26.2
30-39	38.5	38.7	39.1	39.4	34.0	33.8	33.8	34.1	29.7	29.1	25.5	21.6	21.2	25.1
40-49	39.2	35.7	36.3	37.0	32.2	29.8	33.4	32.7	29.9	24.6	23.3	22.6	20.2	20.0
50-59	40.0	40.1	36.6	39.2	25.5	24.2	25.5	21.9	20.7	21.0	18.8	17.9	17.6	16.5
60-64	50.9	40.7	38.3	28.0	27.7	20.9	20.7	21.9	17.8	17.8	16.0	12.4	13.8	13.7
65-69	16.7	55.6	*	27.3	12.2	24.5	12.9	27.1	21.5	16.9	18.3	11.5	13.1	14.6
70-79	*	*	.	50.0	25.0	*	10.0	*	17.5	14.5	20.3	13.1	13.4	21.6
80+	.	.	.	.	.	.	.	.	.	.	.	*	*	.
Male	38.1	39.0	38.4	38.6	33.1	31.3	32.3	31.7	29.1	25.4	23.7	20.7	21.2	20.6
Female	39.4	38.6	36.4	36.8	33.4	33.6	32.8	31.7	28.2	26.6	24.8	21.6	19.4	21.6
White	34.8	35.1	34.2	34.7	30.8	28.7	28.1	28.7	25.3	22.5	21.2	18.4	17.7	18.5
African American	52.2	52.6	49.0	48.9	42.2	42.8	46.4	40.8	40.2	37.8	33.3	30.0	28.9	29.2
Other race	44.0	45.5	41.2	35.9	22.0	26.9	23.3	30.8	20.4	17.3	21.1	14.3	17.5	14.9
†Hispanic														
‡Non-Hispanic														
Diabetes	33.1	27.9	31.8	34.2	29.0	25.5	28.7	28.1	24.1	20.8	21.7	17.0	18.3	16.6
Hypertension	45.3	42.3	43.8	41.9	37.4	37.4	38.7	36.2	32.6	31.1	27.8	24.7	22.9	23.2
Glomerulonephritis	39.1	41.8	40.8	40.6	34.2	33.3	32.2	32.6	28.9	27.9	25.4	21.5	21.3	23.2
Other cause	37.7	39.3	34.8	35.5	32.5	32.4	31.9	30.7	29.2	24.8	22.2	21.5	19.8	21.7
First transplant	37.0	37.7	36.5	35.9	30.8	29.3	30.5	30.7	26.9	24.7	22.7	19.8	19.8	20.2
Subsequent transplants	50.7	47.2	46.8	51.0	45.4	45.3	42.6	37.5	38.6	32.8	31.5	28.2	24.4	26.5
All	38.6	38.9	37.7	37.9	33.2	32.1	32.5	31.7	28.7	25.9	24.1	21.0	20.5	21.0
ADJUSTED														
0-19	43.6	43.1	45.8	41.6	43.8	45.9	43.6	43.4	46.1	36.8	41.3	31.0	35.0	32.5
20-44	40.0	40.4	38.3	39.4	35.1	33.9	35.0	34.3	31.7	28.9	26.6	23.0	22.3	24.0
45-64	41.5	41.3	38.0	37.0	28.4	26.2	26.8	25.9	23.3	22.1	19.4	18.8	17.9	17.6
65-74	13.1	59.5	.	37.0	16.4	25.3	13.5	25.4	22.6	18.5	20.6	13.1	14.9	16.5
75+	.	.	.	*	.	.	.	.	.	.	14.3	*	.	35.2
Male	36.3	37.1	36.1	36.0	30.8	29.1	30.4	29.9	27.9	24.8	22.7	20.1	20.5	20.4
Female	37.0	36.4	33.9	34.3	31.4	31.5	30.8	30.2	27.4	26.0	24.3	21.0	19.1	21.5
White	32.0	32.5	31.8	32.1	28.8	26.6	26.5	27.3	24.4	21.7	20.4	17.9	17.3	18.4
African American	47.8	47.7	43.9	44.0	37.6	39.3	42.5	37.4	37.3	35.1	30.9	27.7	26.9	27.6
Other race	44.7	42.6	40.6	34.2	21.0	25.5	22.9	30.5	19.8	17.0	21.0	14.1	17.4	15.3
Diabetes	34.2	29.2	33.4	35.7	30.9	26.2	29.6	29.4	25.2	22.1	23.1	18.2	19.8	17.9
Hypertension	38.5	35.9	36.1	34.9	30.8	32.1	32.3	31.0	28.2	27.5	24.5	21.9	20.3	21.0
Glomerulonephritis	36.2	39.0	38.4	37.8	31.6	31.2	30.7	30.9	27.9	26.8	24.4	20.5	20.3	22.6
Other cause	36.2	37.4	32.5	33.3	30.9	30.0	30.2	29.3	29.2	24.5	21.7	21.6	19.8	22.0
First transplant	35.1	35.8	34.2	33.8	29.2	27.8	29.2	29.5	26.4	24.3	22.3	19.4	19.5	20.1
Subsequent transplants	46.8	43.9	42.8	45.9	41.7	42.0	39.2	34.4	35.9	31.0	29.7	26.7	23.0	25.4
All	36.7	37.0	35.4	35.5	31.1	30.1	30.7	30.1	27.8	25.3	23.4	20.5	20.0	20.8

Table F.16

Three-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002
<1	*	.	*	66.7	*	33.3	*	*	.
1-4	33.3	25.0	19.6	6.3	*	18.4	33.3	12.5	14.3
5-9	19.4	24.3	18.2	7.7	12.1	19.1	12.5	19.2	17.9
10-14	23.5	44.0	22.0	17.5	18.6	15.2	17.7	25.7	14.4
15-19	31.8	39.0	36.9	32.3	40.2	31.1	37.6	24.8	21.6
20-29	25.0	23.0	22.9	18.7	22.0	22.3	21.3	16.6	18.9
30-39	20.5	18.4	16.9	16.9	15.1	15.9	17.9	15.0	15.5
40-49	18.2	16.1	16.9	16.0	14.0	13.9	15.7	11.9	14.6
50-59	15.8	13.3	13.0	12.4	14.0	13.1	12.4	12.7	11.6
60-64	14.6	15.2	13.3	11.7	13.1	10.7	11.9	11.3	13.0
65-69	14.4	11.0	10.1	16.3	10.9	11.7	11.1	13.8	13.2
70-79	12.0	16.8	16.9	7.0	13.5	15.9	9.3	11.8	14.1
80+	*	*	33.3	*	*	*	20.0	*	46.4
Male	18.1	17.5	16.2	14.8	14.8	14.3	14.5	13.2	14.6
Female	20.2	16.9	16.8	16.0	15.8	16.0	16.8	13.8	13.5
White	16.2	15.1	13.8	13.1	12.8	12.2	12.8	11.3	11.5
African American	25.9	23.8	23.2	21.0	20.9	22.1	21.9	18.4	20.3
Other race	17.8	12.4	15.3	11.3	12.7	9.6	10.6	10.4	11.9
†Hispanic				15.1	11.7	10.7	11.9	12.3	10.4
†Non-Hispanic				16.6	15.7	15.8	15.4	15.9	14.8
Diabetes	14.3	12.5	11.7	86.2	11.6	10.9	12.9	10.3	10.8
Hypertension	21.2	21.1	19.4	17.8	17.6	17.6	17.6	15.6	18.6
Glomerulonephritis	22.2	19.6	18.5	16.4	17.2	17.6	17.8	14.8	15.8
Other cause	18.6	17.0	17.0	14.7	14.9	14.4	14.1	14.1	13.2
First transplant	18.0	16.2	15.7	14.6	14.0	14.0	14.2	12.7	13.7
Subsequent transplants	24.7	24.3	20.8	19.5	21.9	20.5	22.4	18.6	17.1
All	18.9	17.3	16.4	15.3	15.2	14.9	15.4	13.5	14.2
ADJUSTED									
0-19	28.6	37.5	29.6	23.8	27.7	26.3	31.7	23.2	19.6
20-44	20.5	18.9	18.2	16.9	15.9	16.7	16.9	13.5	15.0
45-64	16.5	14.4	14.1	12.9	13.6	12.2	13.3	12.1	12.6
65-74	14.9	13.5	12.3	14.7	12.6	13.7	10.9	14.1	14.2
75+	7.0	12.9	29.3	10.4	7.2	8.3	15.7	8.1	16.2
Male	17.6	17.3	16.0	14.5	14.5	14.0	14.4	13.0	14.6
Female	19.6	16.5	16.6	16.0	15.7	16.0	16.7	13.9	13.7
White	16.0	15.0	13.8	13.2	12.9	12.3	13.1	11.6	11.9
African American	24.5	22.6	22.3	20.3	20.1	21.5	21.3	18.0	20.0
Other race	18.1	12.4	15.6	11.4	13.2	10.0	11.2	10.9	12.3
Diabetes	15.3	13.4	12.7	13.7	12.6	11.8	14.1	11.2	11.9
Hypertension	18.9	18.8	17.4	16.1	15.8	16.2	15.9	14.0	16.8
Glomerulonephritis	21.2	18.9	18.0	15.7	16.5	16.7	16.8	14.0	15.3
Other cause	18.3	17.1	17.1	14.7	14.8	14.4	14.2	14.2	13.3
First transplant	17.6	15.9	15.7	14.5	13.9	14.0	14.2	12.6	13.8
Subsequent transplants	23.5	23.3	19.9	18.6	20.9	19.6	21.3	17.6	16.6
All	18.5	17.0	16.3	15.1	15.0	14.8	15.3	13.3	14.3

Table F.16
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	18.7	.	.	12.6	13.9	12.7	16.9	17.4	17.4	16.0	20.0	25.0	25.0	25.0
1-4	20.8	15.8	11.9	9.9	12.7	11.5	11.6	10.6	12.7	12.6	10.9	13.2	9.9	.
5-9	9.4	8.2	8.2	8.3	9.9	8.4	10.7	8.7	8.2	8.0	9.4	8.7	10.4	9.0
10-14	6.5	6.0	5.5	5.4	6.5	6.7	6.1	6.0	6.6	6.9	7.0	6.8	7.2	8.7
15-19	4.4	4.4	4.3	3.9	4.0	4.2	4.1	4.1	4.2	4.2	4.4	4.4	4.9	4.8
20-29	2.3	2.2	2.0	1.9	1.9	1.9	1.7	1.8	1.8	1.6	1.6	1.5	1.6	1.6
30-39	2.2	1.9	1.8	1.6	1.5	1.5	1.4	1.4	1.2	1.3	1.2	1.1	1.1	1.1
40-49	2.5	2.3	2.0	1.9	1.8	1.6	1.6	1.5	1.3	1.2	1.1	1.1	1.1	1.0
50-59	3.2	3.1	2.8	2.5	2.0	1.9	1.7	1.5	1.4	1.3	1.2	1.2	1.2	1.1
60-64	10.0	9.1	7.3	6.5	4.8	3.9	3.3	3.0	2.2	2.3	2.0	1.7	1.8	1.7
65-69	13.9	18.8	.	11.4	7.8	8.7	5.4	4.7	3.6	3.3	3.1	2.2	2.3	2.3
70-79	.	.	.	25.0	18.8	.	9.0	.	6.4	6.6	5.7	4.6	3.9	4.7
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7
Female	1.9	1.8	1.6	1.5	1.4	1.4	1.2	1.2	1.0	1.0	0.9	0.9	0.9	0.9
White	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6
African American	2.6	2.5	2.1	2.0	1.9	1.8	1.6	1.6	1.4	1.5	1.3	1.2	1.2	1.2
Other race	7.1	6.6	6.4	5.3	4.7	4.9	4.3	3.9	2.9	2.8	2.7	2.3	2.3	2.3
†Hispanic														
†Non-Hispanic														
Diabetes	3.2	2.6	2.4	2.2	1.9	1.7	1.6	1.5	1.3	1.2	1.2	1.0	1.1	0.9
Hypertension	3.3	3.0	2.5	2.3	2.2	2.1	1.9	1.8	1.5	1.6	1.4	1.3	1.3	1.2
Glomerulonephritis	2.0	1.9	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.1	1.1
Other cause	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.1	1.0	1.1
First transplant	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6
Subsequent transplants	3.5	3.2	2.9	2.6	2.2	2.1	1.9	1.9	1.7	1.7	1.6	1.5	1.5	1.6
All	1.2	1.1	1.0	0.9	0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.5	0.6	0.5

Table F.16
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	
<1	.	.	.	20.0	.	22.2	.	.	.	
1-4	17.4	14.2	9.8	5.9	.	9.3	12.9	10.94	8.66	
5-9	7.0	7.8	7.2	5.1	5.6	8.2	8.0	7.56	7.1	
10-14	5.9	8.6	5.8	5.0	5.5	5.2	6.4	7.26	4.98	
15-19	3.9	4.4	4.9	5.4	5.1	4.2	4.9	4.66	4.25	
20-29	1.6	1.6	1.7	1.6	1.8	1.9	1.8	1.74	1.82	
30-39	1.1	1.0	1.1	1.1	1.0	1.1	1.2	1.05	1.04	
40-49	1.0	0.9	0.9	0.9	0.9	0.9	1.0	0.85	0.9	
50-59	1.0	1.0	0.9	0.9	1.0	0.9	0.9	0.85	0.78	
60-64	1.7	1.7	1.5	1.5	1.6	1.3	1.4	1.35	1.32	
65-69	2.2	1.9	1.7	2.1	1.6	1.7	1.6	1.69	1.53	
70-79	3.3	3.5	3.5	2.3	2.8	2.9	2.0	2.18	2.1	
80+	.	.	22.2	.	.	.	16.0	.	17.82	
Male	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.57	0.57	
Female	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.67	
White	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.52	0.5	
African American	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.91	
Other race	2.2	2.0	2.1	1.9	1.9	1.6	1.7	1.69	1.67	
†Hispanic				1.5	1.3	1.2	1.2	1.3	1.11	1.02
†Non-Hispanic				0.5	0.5	0.5	0.5	0.5	0.48	0.48
Diabetes	0.9	0.8	0.8	0.9	0.8	0.8	0.9	0.73	0.7	
Hypertension	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.01	1.07	
Glomerulonephritis	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.94	0.93	
Other cause	1.0	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.84	
First transplant	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.46	0.46	
Subsequent transplants	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.38	1.27	
All	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.44	0.43	

Table F.17

Five-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	58.3	*	*	21.3	16.7	37.7	48.6	33.3	33.3	40.0	66.7	50.0	50.0	50.0
1-4	50.0	37.5	56.3	43.2	42.1	62.2	46.2	32.4	38.5	21.3	26.3	38.6	11.1	*
5-9	46.5	57.0	60.0	39.5	42.5	38.4	53.3	48.2	38.7	32.1	39.6	50.0	31.3	28.6
10-14	58.1	54.6	59.5	56.1	54.7	52.0	54.5	40.4	54.3	46.9	55.9	23.6	42.5	52.1
15-19	45.8	43.9	51.6	42.7	47.7	59.7	54.1	56.4	56.3	49.0	52.0	44.8	50.9	46.1
20-29	45.3	49.1	43.0	43.1	44.3	48.6	47.1	46.1	46.0	39.8	37.7	35.0	37.6	35.6
30-39	49.1	44.2	44.4	46.3	43.6	43.1	41.4	43.7	38.5	36.7	35.2	31.5	28.9	32.1
40-49	46.6	42.6	42.5	45.1	41.0	40.2	42.2	41.4	35.9	30.3	30.6	29.3	28.5	26.2
50-59	45.9	48.0	41.2	41.5	33.7	31.0	32.5	29.1	26.1	28.0	24.7	24.0	22.0	23.3
60-64	62.1	45.7	41.2	30.7	35.9	27.9	31.3	28.8	22.1	20.5	21.0	18.7	17.1	16.7
65-69	16.7	55.6	*	39.4	20.9	24.5	16.1	35.3	23.6	20.7	23.8	16.4	17.1	21.3
70-79	*	*	.	*	25.0	*	28.0	8.3	17.5	14.5	25.5	21.9	16.9	27.2
80+	.	.	.	.	.	.	.	.	.	.	.	*	*	.
Male	47.5	45.9	45.0	45.5	41.7	40.4	41.0	40.5	35.9	32.7	31.5	28.8	28.4	27.8
Female	47.1	46.3	43.0	42.6	41.7	44.9	42.3	40.8	36.3	33.4	32.3	29.1	27.0	28.2
White	43.3	41.5	40.5	40.4	37.9	37.8	35.7	36.1	31.8	28.0	27.8	24.7	23.8	24.6
African American	62.7	62.9	56.8	58.4	55.8	55.7	59.0	54.7	50.1	49.8	44.4	42.5	40.3	39.0
Other race	46.6	53.0	46.7	40.2	26.6	35.6	34.3	37.0	27.3	25.4	25.5	21.2	22.3	20.1
†Hispanic														
‡Non-Hispanic														
Diabetes	39.4	33.6	37.3	39.1	34.4	34.0	35.0	36.5	31.5	28.3	29.5	25.0	25.1	22.6
Hypertension	58.6	51.9	51.3	51.1	49.2	48.9	50.4	47.8	41.1	40.9	36.8	34.6	32.3	32.7
Glomerulonephritis	48.0	49.8	48.0	46.3	42.1	42.3	41.5	41.7	36.6	34.6	33.6	30.2	29.3	31.1
Other cause	45.7	45.5	40.8	42.2	41.7	43.3	40.8	38.1	35.4	30.3	28.4	27.0	25.5	26.6
First transplant	45.6	44.5	43.1	42.3	39.4	39.1	39.3	39.1	34.0	31.5	30.2	27.4	27.1	26.9
Subsequent transplants	60.9	57.1	53.2	58.7	53.9	56.4	52.4	49.0	47.3	41.4	40.3	37.5	31.8	35.3
All	47.4	46.0	44.3	44.4	41.7	42.1	41.5	40.6	36.0	33.0	31.8	28.9	27.8	27.9
ADJUSTED														
0-19	55.1	53.1	57.7	48.6	50.4	58.3	57.2	51.2	54.9	46.7	51.8	42.0	46.2	43.8
20-44	49.1	47.3	44.3	46.3	43.9	44.4	44.0	44.3	40.2	37.2	35.1	31.9	31.2	31.3
45-64	48.8	48.4	44.2	42.1	37.2	34.8	35.1	33.0	29.1	27.5	25.6	25.1	23.0	23.9
65-74	13.3	60.1	.	48.3	25.5	25.5	19.5	34.6	24.6	22.3	26.7	19.3	19.2	22.8
75+	.	.	.	*	.	.	.	.	.	.	15.1	*	.	53.6
Male	45.2	43.5	42.4	42.4	38.9	37.8	38.7	38.3	34.4	31.8	30.2	28.0	27.5	27.4
Female	44.2	43.7	40.0	39.6	39.2	42.2	39.7	38.9	35.3	32.6	31.5	28.3	26.6	28.0
White	40.0	38.4	37.6	37.4	35.5	35.2	33.6	34.3	30.6	27.0	26.8	24.1	23.2	24.3
African American	57.7	57.4	51.1	52.8	50.1	51.4	54.3	50.5	46.7	46.3	41.3	39.4	37.6	36.9
Other race	46.7	49.2	45.6	37.8	25.1	33.5	33.6	36.2	26.2	24.6	25.0	20.6	22.0	20.5
Diabetes	40.4	34.8	38.7	40.4	36.2	34.6	35.7	37.8	32.5	29.8	31.2	26.5	26.8	24.1
Hypertension	50.6	44.6	42.7	43.0	41.2	42.8	42.6	41.3	35.8	36.5	32.6	30.9	29.0	29.7
Glomerulonephritis	44.7	46.5	45.4	43.1	38.9	39.8	39.7	39.6	35.5	33.2	32.2	28.8	28.1	30.2
Other cause	43.6	43.1	38.0	39.5	39.7	40.3	38.7	36.4	35.3	29.9	27.7	27.1	25.4	27.0
First transplant	43.2	42.2	40.4	39.7	37.3	37.1	37.7	37.6	33.3	31.0	29.5	26.9	26.8	26.6
Subsequent transplants	56.6	53.3	49.0	53.4	49.9	52.7	48.6	45.3	44.3	39.3	38.0	35.6	30.1	34.0
All	45.0	43.7	41.6	41.5	39.1	39.6	39.2	38.6	34.9	32.2	30.8	28.2	27.2	27.7

Table F.17

Five-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000
<1	*	.	33.3	66.7	*	33.3	*
1-4	33.3	25.0	26.3	6.3	9.1	18.4	50.0
5-9	25.8	38.7	21.9	11.5	24.4	19.1	12.5
10-14	31.4	47.3	36.3	36.8	31.2	26.1	26.5
15-19	49.6	51.4	46.5	51.2	50.2	45.6	50.4
20-29	38.8	34.3	34.0	30.5	33.9	32.5	31.6
30-39	28.7	27.7	26.6	26.5	25.2	24.8	25.8
40-49	25.7	23.9	24.7	23.1	22.1	20.6	23.1
50-59	22.5	20.0	20.4	17.8	20.6	18.8	18.0
60-64	20.2	22.1	19.6	16.8	18.4	18.0	16.7
65-69	18.6	16.1	15.2	23.1	15.0	15.9	15.1
70-79	16.1	24.4	20.1	12.2	17.8	19.8	13.4
80+	*	*	33.3	*	*	*	20.0
Male	26.5	25.1	24.4	23.1	23.3	21.8	22.1
Female	28.4	26.5	25.2	23.2	23.4	22.9	22.8
White	23.6	22.0	20.9	19.6	19.2	18.1	18.6
African American	36.8	35.9	34.7	32.0	33.0	32.7	32.0
Other race	24.5	20.0	21.0	18.1	20.9	15.3	13.5
†Hispanic			21.2	19.5	18.1	19.4	19.5
†Non-Hispanic			25.0	23.5	24.0	22.6	22.8
Diabetes	22.7	19.6	19.4	86.2	19.6	18.5	18.4
Hypertension	30.4	31.5	30.2	27.3	27.7	26.6	28.0
Glomerulonephritis	31.4	28.6	26.7	24.5	25.4	25.7	25.2
Other cause	25.0	24.4	23.7	21.6	21.7	19.4	19.5
First transplant	26.2	24.7	23.7	22.5	22.0	21.3	20.7
Subsequent transplants	33.3	31.3	30.9	27.0	30.7	27.8	32.1
All	27.2	25.7	24.7	23.1	23.3	22.2	22.4
ADJUSTED							
0-19	41.8	47.8	39.7	39.0	38.5	37.0	42.2
20-44	29.8	28.3	27.6	26.1	25.6	24.9	24.9
45-64	23.3	21.6	21.4	18.7	20.4	18.7	19.3
65-74	19.2	19.8	17.0	21.9	17.1	18.0	15.2
75+	17.7	12.9	38.0	10.7	10.7	12.0	21.0
Male	25.7	24.8	24.1	22.4	22.8	21.4	21.9
Female	27.6	25.9	25.0	23.2	23.2	22.9	22.7
White	23.2	21.9	20.9	19.7	19.4	18.2	19.0
African American	34.7	34.1	33.3	30.8	31.7	31.7	31.1
Other race	24.8	19.9	21.2	18.2	21.4	15.9	14.4
Diabetes	24.1	20.9	20.9	21.1	21.1	19.9	20.1
Hypertension	27.3	28.2	27.4	24.8	25.0	24.5	25.4
Glomerulonephritis	30.1	27.7	26.0	23.5	24.3	24.4	23.8
Other cause	24.5	24.4	23.8	21.7	21.5	19.3	19.7
First transplant	25.6	24.4	23.6	22.3	21.9	21.2	20.7
Subsequent transplants	31.8	30.1	29.7	25.8	29.3	26.7	30.6
All	26.5	25.3	24.5	22.8	23.0	22.0	22.2

Table F.17
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	18.7	.	.	12.6	13.9	14.1	18.0	17.4	17.4	19.2	20.0	25.0	25.0	25.0
1-4	20.8	15.8	11.8	10.6	12.7	11.5	12.3	10.6	12.7	12.6	10.9	14.3	9.9	.
5-9	10.1	8.4	8.1	8.7	9.9	8.9	10.7	8.8	8.6	8.6	10.0	10.3	11.2	9.6
10-14	6.4	6.0	5.5	5.3	6.5	7.0	6.1	6.2	6.6	7.2	6.9	7.2	7.9	9.5
15-19	4.6	4.6	4.3	4.1	4.1	4.2	4.2	4.1	4.2	4.3	4.6	4.7	5.1	5.1
20-29	2.4	2.2	2.1	2.0	2.0	2.0	1.8	1.9	1.8	1.8	1.7	1.7	1.8	1.8
30-39	2.4	2.0	1.9	1.7	1.6	1.6	1.5	1.5	1.3	1.4	1.3	1.3	1.2	1.2
40-49	2.6	2.4	2.1	2.1	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.2	1.2	1.1
50-59	3.3	3.3	2.9	2.5	2.3	2.2	1.9	1.7	1.5	1.5	1.4	1.3	1.3	1.2
60-64	10.1	9.5	7.5	6.7	5.5	4.6	3.9	3.4	2.4	2.5	2.3	2.1	2.0	1.9
65-69	13.9	18.8	.	13.9	10.6	8.7	6.0	5.4	3.8	3.6	3.5	2.7	2.6	2.7
70-79	.	.	.	.	18.8	.	16.1	7.6	6.4	6.6	6.4	6.3	4.5	5.3
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.5	1.4	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8
Female	2.0	1.9	1.7	1.6	1.5	1.5	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0
White	1.4	1.2	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7
African American	2.6	2.4	2.2	2.0	1.9	1.8	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.3
Other race	7.2	6.6	6.5	5.5	5.1	5.4	4.8	4.1	3.2	3.3	2.9	2.8	2.6	2.6
†Hispanic														
†Non-Hispanic														
Diabetes	3.4	2.8	2.6	2.3	2.0	1.9	1.7	1.7	1.5	1.4	1.3	1.2	1.2	1.1
Hypertension	3.3	3.1	2.6	2.4	2.4	2.2	2.0	1.9	1.6	1.7	1.5	1.5	1.4	1.4
Glomerulonephritis	2.1	2.0	1.8	1.6	1.5	1.6	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.2
Other cause	1.8	1.7	1.7	1.6	1.6	1.6	1.4	1.4	1.2	1.2	1.2	1.2	1.1	1.1
First transplant	1.3	1.2	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.6
Subsequent transplants	3.5	3.2	3.0	2.6	2.3	2.1	2.0	2.0	1.8	1.9	1.7	1.7	1.7	1.8
All	1.2	1.1	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6

Table F.17
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000
<1	.	.	22.2	20.0	.	22.22	.
1-4	17.4	14.2	10.9	5.9	8.3	9.3	13.56
5-9	7.7	8.9	7.7	6.1	7.4	8.24	8
10-14	6.4	8.7	6.8	6.3	6.6	6.39	7.44
15-19	4.2	4.5	5.1	5.8	5.2	4.55	5.1
20-29	1.9	1.8	1.9	1.9	2.0	2.1	2.08
30-39	1.2	1.2	1.3	1.3	1.3	1.3	1.32
40-49	1.1	1.1	1.1	1.1	1.1	1.1	1.15
50-59	1.2	1.2	1.2	1.1	1.1	1.09	1.07
60-64	2.0	2.0	1.8	1.8	1.9	1.74	1.71
65-69	2.5	2.3	2.1	2.4	1.9	2.01	1.85
70-79	3.9	4.4	3.8	3.1	3.2	3.26	2.54
80+	.	.	22.2	.	.	.	16
Male	0.7	0.7	0.7	0.7	0.7	0.72	0.73
Female	0.9	0.9	0.9	0.9	0.9	0.92	0.91
White	0.7	0.7	0.7	0.7	0.7	0.65	0.66
African American	1.2	1.2	1.2	1.2	1.2	1.19	1.16
Other race	2.5	2.4	2.4	2.3	2.3	2.03	1.9
†Hispanic			1.8	1.7	1.5	1.54	1.53
†Non-Hispanic			0.6	0.6	0.6	0.61	0.61
Diabetes	1.1	1.0	1.0	1.0	1.1	1.02	1.01
Hypertension	1.3	1.3	1.3	1.3	1.4	1.35	1.38
Glomerulonephritis	1.2	1.2	1.2	1.1	1.1	1.15	1.15
Other cause	1.1	1.1	1.1	1.1	1.1	1.04	1.05
First transplant	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Subsequent transplants	1.6	1.6	1.7	1.6	1.6	1.59	1.66
All	0.6	0.6	0.6	0.6	0.6	0.57	0.57

Table F.18

Ten-year probability of graft failure necessitating dialysis or retransplantation: all deceased donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<1	*	*	*	21.3	16.7	37.7	48.6	33.3	*	40.0	66.7	50.0	50.0	50.0	*	.
1-4	50.0	37.5	56.3	43.2	66.9	74.8	52.9	49.3	61.5	43.8	26.3	48.9	23.8	22.2	66.7	25.0
5-9	55.4	63.6	60.0	54.6	51.3	64.7	74.1	61.1	48.9	61.3	67.5	54.6	75.0	38.1	32.4	57.7
10-14	72.1	70.4	69.8	68.3	71.1	64.5	65.4	63.1	76.3	67.8	74.2	58.6	67.2	72.1	57.4	58.1
15-19	56.5	53.7	65.6	55.7	61.5	73.6	65.8	63.3	70.4	66.1	68.0	65.8	67.9	58.1	69.8	73.4
20-29	58.3	58.9	53.5	57.9	61.1	60.1	62.2	60.6	61.1	56.5	54.1	53.9	59.7	55.1	55.3	55.1
30-39	60.2	55.8	54.3	56.3	59.1	58.3	56.4	57.4	54.3	53.1	51.2	51.0	48.2	50.8	46.3	46.2
40-49	53.9	52.7	54.5	58.5	56.1	55.0	55.7	52.4	50.4	44.2	46.6	43.4	46.1	41.5	42.0	40.9
50-59	53.4	53.3	50.2	51.7	46.0	48.8	43.1	39.9	37.7	40.5	38.1	39.6	38.8	37.5	37.6	33.7
60-64	62.1	52.5	53.0	37.3	53.1	40.1	43.5	34.8	33.3	34.3	34.5	29.3	32.8	27.4	31.0	34.8
65-69	16.7	55.6	*	39.4	20.9	35.3	25.2	43.6	38.7	26.4	37.4	29.3	28.4	34.3	31.5	24.2
70-79	*	*	.	*	25.0	*	28.0	17.5	23.0	14.5	25.5	35.1	28.7	39.4	28.7	39.2
80+	.	.	.	.	*	.	.	.	.	.	.	*	*	.	*	*
Male	58.0	56.0	55.4	57.1	57.2	55.4	53.7	52.4	50.1	48.1	46.3	45.0	46.3	44.0	42.5	41.9
Female	57.6	56.3	53.7	55.3	56.9	58.9	58.1	54.2	51.6	48.2	48.9	47.1	46.9	44.9	45.0	43.7
White	53.6	50.8	50.3	51.8	52.7	51.7	48.8	47.9	46.2	42.1	42.0	41.2	41.1	40.3	37.8	37.1
African American	74.5	77.0	70.1	72.9	73.5	73.6	75.5	71.0	65.9	68.8	63.9	61.6	63.6	58.0	59.3	57.7
Other race	60.5	59.7	59.8	55.8	42.4	44.0	52.8	43.9	41.0	38.8	42.7	32.7	39.0	34.8	37.3	36.4
†Hispanic																
†Non-Hispanic																
Diabetes	48.3	44.4	45.7	50.5	51.5	51.6	51.7	50.8	48.6	46.6	44.6	43.9	46.3	42.3	41.7	38.8
Hypertension	70.9	64.7	63.3	65.6	68.3	68.3	67.0	63.6	57.7	58.4	54.6	53.7	54.6	50.2	51.0	50.3
Glomerulonephritis	60.3	60.2	59.1	57.6	57.0	55.5	55.3	53.0	51.2	49.9	49.3	46.9	47.2	48.3	46.2	45.0
Other cause	54.2	54.0	50.6	54.1	55.2	55.2	52.2	49.0	47.8	41.8	42.5	41.0	40.9	38.6	37.0	38.3
First transplant	56.2	54.7	53.5	54.3	54.8	53.5	53.2	51.2	48.7	46.4	45.8	44.2	45.3	42.8	42.6	40.8
Subsequent transplants	71.7	66.0	64.6	71.2	69.4	71.9	66.7	63.7	61.6	58.0	55.1	54.8	53.6	54.6	49.0	53.5
All	57.9	56.1	54.8	56.5	57.1	56.7	55.4	53.1	50.7	48.1	47.3	45.8	46.6	44.4	43.5	42.6
ADJUSTED																
0-19	67.3	64.2	68.0	61.2	65.4	72.9	69.4	63.2	71.6	66.4	68.5	63.0	68.2	57.9	61.6	67.4
20-44	60.8	57.8	55.1	58.6	60.1	58.5	58.7	58.3	55.8	53.1	51.5	49.5	50.9	49.4	46.5	47.1
45-64	55.2	57.8	54.9	55.0	51.1	51.4	48.1	43.0	41.7	41.8	39.8	40.7	40.4	38.6	38.7	36.5
65-74	13.5	60.2	.	49.4	25.1	38.6	27.6	44.0	39.2	28.1	38.3	32.8	32.2	37.3	33.5	30.9
75+	.	.	.	*	.	.	.	.	.	.	20.1	60.3	.	61.7	12.2	14.7
Male	55.2	53.1	52.1	53.4	53.5	52.1	50.9	49.8	48.1	46.8	44.3	43.4	44.7	43.1	41.0	41.2
Female	54.8	53.7	50.5	52.3	54.3	55.9	55.3	52.1	50.4	47.3	47.9	45.9	46.0	44.7	44.0	42.8
White	49.8	47.3	46.8	48.2	49.5	48.4	46.1	45.4	44.5	40.6	40.4	39.9	39.8	39.6	36.8	36.6
African American	69.0	70.8	63.8	66.7	66.9	68.5	70.1	66.0	61.7	64.6	59.7	57.3	59.6	54.9	55.8	55.1
Other race	59.1	55.7	57.9	52.4	40.0	41.4	52.1	42.6	39.2	37.6	41.7	31.6	38.1	35.0	37.7	35.6
Diabetes	48.8	45.0	46.5	51.1	52.8	51.5	51.8	51.5	49.0	47.9	45.9	45.3	47.9	43.9	43.4	40.3
Hypertension	62.5	57.1	53.7	56.4	58.8	61.8	57.9	56.5	51.0	53.4	49.2	48.7	49.6	46.0	46.2	45.8
Glomerulonephritis	57.0	57.0	56.7	54.6	53.5	52.7	53.3	50.8	50.0	48.3	47.6	44.9	45.4	47.1	44.6	43.8
Other cause	51.8	51.2	47.2	50.9	53.0	51.9	50.0	47.0	47.4	41.3	41.5	40.9	40.7	38.9	35.9	38.2
First transplant	53.3	52.0	50.2	51.1	52.1	50.9	51.1	49.3	47.7	45.7	44.8	43.2	44.6	42.2	41.4	40.1
Subsequent transplants	67.8	62.4	60.8	66.6	65.6	68.6	63.1	60.3	58.7	55.9	52.9	52.6	51.4	53.2	47.5	52.4
All	55.2	53.4	51.6	53.2	53.9	53.6	52.7	50.8	49.1	47.0	45.8	44.5	45.3	43.7	42.2	41.9

Table F.18
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<1	.	.	.	12.61	13.89	14.08	18.03	17.36	.	19.21	20.03	25	25	25	.	.
1-4	20.83	15.79	11.78	10.6	12.23	10.08	12.24	11.3	12.54	15.28	10.89	14.65	13.79	13.01	16.38	14.24
5-9	10.0	8.3	8.1	9.1	10.0	8.9	9.3	8.5	8.8	9.0	9.6	10.2	10.0	10.3	8.3	9.2
10-14	5.8	5.6	5.3	5.0	6.1	6.7	6.0	6.4	5.6	7.2	6.1	8.5	7.5	8.5	6.9	8.8
15-19	4.6	4.6	4.1	4.1	4.1	3.8	4.1	4.0	3.9	4.1	4.3	4.5	4.7	5.1	3.9	4.0
20-29	2.4	2.2	2.2	2.1	2.0	2.0	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9
30-39	2.4	2.1	1.9	1.8	1.7	1.7	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4
40-49	2.7	2.6	2.3	2.2	2.1	2.0	1.9	1.7	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3
50-59	3.5	3.4	3.3	2.9	2.6	2.8	2.3	2.0	1.8	1.8	1.7	1.7	1.7	1.6	1.5	1.5
60-64	10.1	10.2	8.4	7.5	7.7	6.0	4.7	3.9	3.1	3.4	3.1	2.7	2.9	2.5	2.6	2.6
65-69	13.9	18.8	.	13.9	10.6	11.9	8.0	6.5	5.6	4.3	4.5	4.0	3.7	3.9	3.5	3.1
70-79	.	.	.	.	18.8	.	16.1	10.7	7.9	6.6	6.4	10.2	6.2	7.5	6.4	6.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.6	1.4	1.4	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	1.0	0.9	0.9	0.9
Female	2.1	1.9	1.7	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.1	1.2	1.1	1.1	1.1
White	1.4	1.3	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.9	0.8	0.8	0.8
African American	2.5	2.3	2.2	2.0	1.9	1.8	1.6	1.6	1.5	1.5	1.4	1.4	1.5	1.4	1.3	1.3
Other race	7.9	6.7	6.5	5.8	6.1	5.9	5.3	4.3	3.7	3.8	3.5	3.3	3.2	3.2	2.9	3.0
†Hispanic																
†Non-Hispanic																
Diabetes	3.8	3.2	2.8	2.6	2.5	2.3	2.1	1.9	1.8	1.7	1.6	1.5	1.6	1.4	1.4	1.4
Hypertension	3.2	3.1	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.8	1.6	1.7	1.7	1.6	1.5	1.5
Glomerulonephritis	2.1	2.0	1.8	1.7	1.6	1.7	1.5	1.5	1.4	1.4	1.3	1.3	1.4	1.4	1.3	1.3
Other cause	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5	1.3	1.4	1.3	1.3	1.4	1.3	1.3	1.3
First transplant	1.3	1.2	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
Subsequent transplants	3.5	3.2	3.0	2.5	2.3	2.1	2.0	2.0	1.9	2.0	1.7	1.8	1.9	1.9	1.8	1.8
All	1.2	1.2	1.1	1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7

Table F.19

90-day probability of graft failure necessitating dialysis or retransplantation: all living donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	*	*	50.0	*	14.3	*	*	37.5	27.1	8.3	20.0	*	37.5	7.1
1-4	*	*	16.7	6.3	8.3	*	*	10.5	30.0	*	*	5.9	15.4	21.4
5-9	5.3	5.9	14.3	10.3	*	14.3	26.1	14.8	5.9	18.2	*	6.9	3.7	9.1
10-14	6.8	2.5	13.0	3.6	3.3	4.1	*	10.5	9.8	*	10.9	2.1	2.3	2.6
15-19	1.6	4.9	4.7	5.0	4.6	7.8	3.2	3.2	5.0	1.4	6.5	5.1	6.6	2.6
20-29	2.2	1.8	5.0	4.0	6.6	3.0	3.9	4.8	6.5	6.2	5.6	4.2	5.6	3.7
30-39	2.8	3.2	6.1	4.0	5.0	4.0	2.6	2.4	6.5	6.1	5.9	3.6	6.3	5.1
40-49	3.1	4.1	3.8	3.5	2.5	2.7	1.9	4.2	2.3	6.3	5.8	4.2	5.5	3.1
50-59	*	1.3	1.6	3.0	1.8	1.8	2.0	3.4	3.7	4.3	3.5	3.4	4.4	7.8
60-64	.	*	*	*	3.2	4.8	1.6	4.4	*	3.1	3.6	4.5	2.1	3.1
65-69	*	*	*	20.0	*	*	3.2	3.6	*	*	*	5.9	2.3	*
70-79	.	.	.	*	*	*	14.3	*	.	.	*	*	*	14.3
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	3.7	3.8	5.5	4.1	4.9	3.2	2.9	4.1	7.4	5.3	5.7	3.6	5.2	4.0
Female	1.2	1.6	5.1	3.9	3.6	3.9	2.9	4.2	3.3	5.9	5.2	4.5	6.0	5.6
White	2.5	2.5	5.0	4.2	4.2	3.3	2.9	4.3	6.0	5.3	5.6	3.8	5.5	4.6
African American	4.9	5.5	8.5	3.1	6.4	4.5	3.4	4.6	5.1	7.9	4.7	6.2	6.6	4.9
Other race	*	5.1	*	2.4	2.0	3.4	2.4	*	2.5	2.0	4.7	*	2.0	5.1
†Hispanic														
†Non-Hispanic														
Diabetes	1.9	4.5	5.2	4.7	5.3	2.7	1.9	4.1	6.9	3.8	6.6	3.5	8.5	4.8
Hypertension	1.5	2.0	5.9	2.5	3.4	1.5	3.3	2.4	4.2	6.9	5.8	4.6	4.8	4.5
Glomerulonephritis	3.0	1.7	5.6	4.4	5.1	3.4	2.9	4.9	6.3	5.3	3.8	3.2	5.1	4.2
Other cause	2.9	3.7	5.1	3.8	3.6	4.9	3.4	4.3	4.9	6.5	6.4	4.9	4.4	5.2
First transplant	2.7	2.8	5.2	3.8	4.1	3.2	2.9	3.8	5.7	5.4	4.8	3.5	5.3	4.5
Subsequent transplants	2.2	5.1	8.5	6.5	6.8	6.2	2.9	7.0	6.9	7.7	12.9	8.9	7.6	7.0
All	2.7	2.9	5.4	4.0	4.4	3.5	2.9	4.2	5.8	5.5	5.5	4.0	5.5	4.7
ADJUSTED														
0-19	4.6	4.7	10.1	5.9	4.7	7.7	5.8	8.9	9.6	4.3	7.1	5.2	7.7	6.1
20-44	2.5	3.1	5.7	4.3	5.8	3.5	3.1	3.5	6.3	6.2	5.9	3.9	5.6	4.5
45-64	3.5	2.1	1.4	2.0	1.3	2.7	1.9	4.3	2.6	5.2	5.0	3.8	5.4	5.1
65-74	.	.	.	16.8	*	*	6.2	3.6	*	.	*	5.4	2.6	2.7
75+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	3.5	3.6	5.0	3.6	4.7	3.1	2.8	4.0	6.8	4.8	5.6	3.5	5.0	3.9
Female	1.2	1.4	4.4	3.6	3.3	3.7	2.9	4.0	3.0	5.5	4.9	4.0	5.6	5.3
White	2.2	2.3	4.4	3.8	3.9	3.2	2.8	4.1	5.4	5.0	5.3	3.6	5.2	4.5
African American	4.2	4.8	7.5	2.8	5.6	4.1	3.1	4.3	4.4	6.3	4.1	5.3	6.1	4.7
Other race	*	4.7	*	2.1	1.7	3.4	2.4	*	2.3	1.8	4.2	*	1.9	4.9
Diabetes	2.2	4.9	5.6	4.9	5.7	3.0	2.1	4.5	7.5	4.2	7.2	3.9	9.3	5.2
Hypertension	1.3	1.7	4.6	2.3	3.2	1.3	3.0	2.3	3.7	6.4	5.7	4.4	4.5	4.4
Glomerulonephritis	2.8	1.6	5.2	3.9	4.7	3.3	2.9	4.6	5.9	4.6	3.6	3.0	4.6	3.9
Other cause	2.5	3.3	4.3	3.3	3.2	4.6	3.3	4.0	3.9	5.8	5.8	4.1	4.0	4.8
First transplant	2.5	2.6	4.6	3.4	3.9	3.1	2.9	3.7	5.2	4.9	4.6	3.2	5.1	4.3
Subsequent transplants	2.2	4.6	7.7	6.1	6.6	6.0	2.8	6.7	6.3	6.8	11.8	8.4	7.2	6.6
All	2.5	2.8	4.8	3.6	4.1	3.4	2.9	4.0	5.3	5.1	5.3	3.7	5.3	4.5

Table F.19

90-day probability of graft failure necessitating dialysis or retransplantation: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	*	9.1	*	*	10.0	*	25.0	7.7	*	8.3	*
1-4	12.5	*	13.6	*	13.3	7.7	12.5	*	*	8.3	*
5-9	6.3	4.2	7.6	*	3.9	*	7.1	11.1	3.7	*	*
10-14	4.9	*	2.3	3.1	2.6	*	7.1	2.6	*	*	2.1
15-19	5.0	10.8	2.6	1.1	6.3	*	1.6	7.7	2.2	*	3.7
20-29	4.3	3.6	3.8	3.2	4.4	2.8	2.7	2.2	2.2	1.6	2.5
30-39	5.1	3.4	3.5	2.2	1.6	2.8	2.8	2.3	2.0	3.1	3.4
40-49	4.9	3.8	3.2	3.9	2.0	2.3	3.4	4.0	2.9	3.0	1.7
50-59	3.0	4.4	1.8	2.9	2.9	2.7	2.3	1.9	2.2	1.6	1.3
60-64	4.9	6.3	1.7	2.3	1.7	0.7	2.3	1.8	0.7	2.8	2.5
65-69	2.6	4.7	2.4	*	1.8	2.6	0.6	3.0	1.4	2.8	0.3
70-79	*	9.5	4.6	3.5	*	*	1.2	1.1	2.0	2.3	3.3
80+	.	.	.	.	.	*	.	*	*	*	*
Male	4.3	3.8	2.4	2.4	2.4	1.6	2.5	2.4	1.6	2.2	1.5
Female	4.7	4.7	4.1	3.1	3.1	3.2	3.1	3.3	2.7	2.6	2.9
White	4.5	3.9	3.0	2.8	2.7	2.7	2.5	2.7	2.1	2.4	2.2
African American	5.6	6.0	3.8	2.0	3.2	1.5	3.5	3.6	1.7	2.7	1.7
Other race	1.1	3.3	2.8	3.2	1.2	*	2.8	0.6	2.9	0.5	1.2
†Hispanic			2.0	2.8	3.0	2.2	2.2	2.2	1.3	1.9	2.0
†Non-Hispanic			3.3	2.7	2.7	2.3	2.8	2.8	2.2	2.4	2.1
Diabetes	3.8	3.7	3.4	86.2	1.9	2.6	2.6	2.1	1.5	1.8	1.6
Hypertension	5.5	3.8	2.2	2.3	1.9	3.2	1.0	2.6	1.1	2.3	1.8
Glomerulonephritis	4.1	5.0	2.9	4.0	3.1	1.8	3.9	3.3	2.0	2.5	2.5
Other cause	4.8	3.9	3.8	2.1	3.4	2.1	2.8	2.9	3.0	2.7	2.1
First transplant	4.1	4.1	2.8	2.5	2.3	2.1	2.5	2.6	1.6	2.5	1.9
Subsequent transplants	8.0	4.8	6.2	4.8	5.7	4.1	4.4	3.7	5.2	1.7	3.3
All	4.5	4.2	3.2	2.7	2.7	2.3	2.7	2.7	2.1	2.4	2.0
ADJUSTED											
0-19	6.2	7.2	5.3	1.3	6.6	0.8	5.5	7.4	1.8	1.6	2.6
20-44	4.5	3.8	3.6	3.2	2.7	2.4	2.6	2.6	2.6	2.5	2.8
45-64	4.4	4.0	2.2	2.7	2.3	2.5	2.9	2.4	1.7	2.2	1.6
65-74	2.3	4.5	3.1	1.0	1.5	1.9	0.8	2.3	1.5	2.7	1.1
75+	.	24.6	*	.	*	*	*	4.5	3.0	3.4	2.1
Male	4.1	3.8	2.4	2.4	2.5	1.7	2.5	2.6	1.7	2.4	1.6
Female	4.6	4.4	4.1	3.1	3.1	3.3	3.2	3.4	3.0	2.8	3.1
White	4.4	3.8	3.0	2.9	2.8	2.8	2.6	2.9	2.3	2.7	2.4
African American	5.2	5.5	3.7	2.0	3.1	1.5	3.5	3.7	1.8	2.7	1.9
Other race	1.1	3.2	2.9	3.3	1.2	*	3.2	0.7	3.3	0.6	1.4
Diabetes	4.2	4.1	3.9	2.2	2.2	3.0	3.1	2.6	1.9	2.2	1.9
Hypertension	5.4	3.7	2.2	2.3	2.0	3.2	1.0	2.9	1.2	2.5	1.9
Glomerulonephritis	3.9	4.8	2.8	3.8	3.1	1.8	3.6	3.2	2.1	2.6	2.7
Other cause	4.5	3.6	3.5	2.0	3.2	2.0	2.9	2.9	3.2	2.7	2.3
First transplant	4.0	4.0	2.8	2.5	2.4	2.1	2.6	2.8	1.8	2.7	2.1
Subsequent transplants	7.9	4.8	5.8	4.7	5.7	4.1	4.1	3.7	5.3	1.8	3.5
All	4.4	4.1	3.1	2.7	2.8	2.4	2.8	2.9	2.3	2.5	2.3

Table F.19
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	.	25.0	.	12.2	.	.	15.8	15.2	7.6	16.0	.	18.8	6.6
1-4	.	.	10.3	5.9	7.6	.	.	6.9	13.6	.	.	5.5	9.6	10.5
5-9	5.0	5.5	6.5	6.7	.	7.4	8.8	6.7	5.5	8.0	.	4.6	3.6	5.8
10-14	3.7	2.4	4.9	2.5	2.3	2.8	.	4.9	4.6	.	5.8	2.1	2.3	2.5
15-19	1.6	2.1	2.1	2.0	2.3	3.0	1.8	1.8	2.4	1.4	2.8	2.5	2.8	1.8
20-29	0.9	0.8	1.1	1.0	1.3	0.9	0.9	1.1	1.4	1.4	1.2	1.1	1.3	1.0
30-39	1.1	1.0	1.3	1.0	1.1	0.9	0.7	0.7	1.4	1.3	1.3	0.9	1.2	1.1
40-49	1.5	1.6	1.3	1.2	1.0	0.9	0.7	1.0	1.1	1.7	1.5	1.2	1.3	0.9
50-59	.	1.3	1.1	1.5	1.0	0.9	0.8	1.1	1.8	1.7	1.5	1.4	1.5	1.7
60-64	.	.	.	.	3.1	3.3	1.6	2.5	.	3.0	3.4	3.1	2.0	2.2
65-69	.	.	.	16.0	.	.	3.1	3.4	.	.	.	5.5	2.3	.
70-79	.	.	.	.	.	.	12.2	.	.	.	.	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.6	1.0	0.9	0.9	0.7	0.8	0.6
Female	0.6	0.6	1.0	0.8	0.8	0.8	0.6	0.7	0.9	1.1	0.9	0.8	0.9	0.9
White	0.6	0.5	0.7	0.6	0.6	0.5	0.4	0.5	0.8	0.7	0.7	0.6	0.7	0.6
African American	2.4	2.2	2.1	1.2	1.8	1.4	1.1	1.2	1.9	2.2	1.7	1.7	1.7	1.3
Other race	.	3.5	.	2.3	2.0	2.4	1.7	.	2.4	2.0	3.2	.	1.9	2.8
†Hispanic														
†Non-Hispanic														
Diabetes	1.4	1.8	1.5	1.4	1.4	0.9	0.7	1.0	1.6	1.2	1.4	1.0	1.5	1.1
Hypertension	1.4	1.4	1.9	1.2	1.4	0.8	1.1	1.0	1.9	2.1	2.0	1.5	1.4	1.3
Glomerulonephritis	1.1	0.7	1.1	0.9	1.0	0.8	0.7	0.9	1.3	1.1	0.9	0.8	1.0	0.9
Other cause	0.9	0.9	1.1	0.9	0.9	1.0	0.7	0.8	1.2	1.3	1.2	1.0	0.9	1.0
First transplant	0.6	0.5	0.6	0.5	0.6	0.5	0.4	0.5	0.7	0.7	0.6	0.5	0.6	0.5
Subsequent transplants	2.2	3.5	3.3	2.6	2.2	2.0	1.2	1.9	2.5	2.8	3.2	2.4	2.3	2.1
All	0.6	0.5	0.6	0.5	0.6	0.5	0.4	0.5	0.7	0.7	0.6	0.5	0.6	0.5

Table F.19
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	.	8.3	.	.	9.0	.	18.8	7.1	.	7.64	.
1-4	10.9	.	7.1	.	8.5	7.1	8.0	.	.	5.52	.
5-9	5.9	4.0	5.0	.	3.7	.	6.6	5.9	3.6	.	.
10-14	3.3	.	2.3	3.0	2.5	.	4.8	2.6	.	.	2.08
15-19	2.4	3.6	1.8	1.1	3.0	.	1.6	3.0	1.5	.	2.06
20-29	1.0	1.0	1.0	0.9	1.1	0.9	0.9	0.7	0.8	0.58	0.74
30-39	1.0	0.8	0.9	0.7	0.6	0.8	0.8	0.6	0.6	0.69	0.72
40-49	1.1	0.9	0.8	0.9	0.7	0.7	0.8	0.8	0.6	0.63	0.47
50-59	1.0	1.1	0.7	0.9	0.9	0.8	0.7	0.6	0.5	0.44	0.39
60-64	2.8	2.5	1.2	1.3	1.2	0.7	1.1	0.8	0.5	0.92	0.87
65-69	2.5	2.6	1.7	.	1.2	1.5	0.6	1.2	0.7	0.97	0.3
70-79	.	6.3	4.3	3.3	.	.	1.2	1.1	1.2	1.33	1.44
80+	.	.	.	.	.	.	.	.	.	.	.
Male	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.32	0.26
Female	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.41	0.43
White	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.29	0.28
African American	1.3	1.3	1.0	0.7	0.9	0.6	0.9	0.8	0.6	0.66	0.51
Other race	1.1	1.9	2.0	1.8	1.2	.	1.6	0.6	1.3	0.53	0.71
†Hispanic			0.9	1.0	1.0	0.8	0.8	0.7	0.5	0.61	0.61
†Non-Hispanic			0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.28	0.25
Diabetes	1.0	0.9	0.9	0.7	0.6	0.7	0.7	0.5	0.4	0.45	0.41
Hypertension	1.3	1.1	0.8	0.9	0.8	1.0	0.5	0.7	0.5	0.67	0.53
Glomerulonephritis	0.8	0.9	0.7	0.8	0.7	0.5	0.8	0.6	0.5	0.49	0.51
Other cause	0.9	0.8	0.8	0.6	0.7	0.6	0.6	0.5	0.5	0.47	0.42
First transplant	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.28	0.24
Subsequent transplants	2.0	1.5	1.7	1.6	1.5	1.3	1.2	1.0	1.1	0.6	0.87
All	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.25	0.23

Table F.20

One-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	*	*	50.0	*	14.3	20.0	*	37.5	27.1	8.3	20.0	*	37.5	7.1
1-4	25.0	*	33.3	26.0	8.3	25.0	7.1	10.5	30.0	*	*	5.9	15.4	21.4
5-9	5.3	11.8	25.5	15.6	4.2	14.3	30.4	25.9	17.7	18.2	*	6.9	7.4	22.7
10-14	9.1	5.1	19.6	10.9	10.0	12.3	*	15.8	14.6	*	23.0	4.3	9.3	7.7
15-19	6.6	11.7	9.5	12.8	13.9	13.1	7.5	6.4	8.8	2.8	11.8	6.4	12.0	6.5
20-29	9.0	7.3	8.4	8.3	9.8	7.7	8.7	9.9	10.4	8.5	7.3	5.9	7.4	6.6
30-39	4.8	11.9	10.3	8.7	9.2	10.0	5.3	6.6	9.7	7.6	7.4	5.2	8.3	6.6
40-49	11.9	10.6	7.9	9.8	6.0	3.9	3.4	6.7	4.7	6.8	9.1	5.9	6.1	4.0
50-59	11.5	11.5	7.3	5.3	6.1	1.8	3.1	4.1	4.7	8.0	6.5	5.8	6.1	10.2
60-64	.	*	*	*	3.2	7.1	1.6	8.9	6.7	3.1	3.6	4.5	2.1	4.7
65-69	*	*	*	20.0	*	10.0	6.7	7.1	14.3	*	*	5.9	4.8	3.2
70-79	.	.	.	*	*	*	14.3	*	.	.	*	*	*	14.3
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	8.8	11.5	10.2	10.0	8.4	7.2	5.2	8.0	11.3	6.9	7.9	5.1	6.7	6.7
Female	7.5	7.4	9.1	7.8	8.8	7.8	6.1	7.0	5.9	7.6	7.7	6.3	8.4	7.2
White	7.8	8.7	9.5	8.6	8.0	6.6	5.6	7.7	9.4	6.4	7.8	5.3	7.1	6.8
African American	12.3	18.6	13.1	12.2	12.9	13.1	5.7	8.9	9.5	13.3	9.0	8.7	10.0	6.7
Other race	6.7	10.6	2.6	9.5	4.0	5.2	4.9	1.3	2.5	4.0	4.7	*	4.0	8.6
†Hispanic														
†Non-Hispanic														
Diabetes	5.9	11.7	8.3	11.4	10.7	7.4	6.6	7.1	11.0	5.7	9.0	4.9	9.7	6.1
Hypertension	8.8	7.1	10.5	7.5	8.6	5.9	4.0	6.8	6.9	8.3	5.8	7.2	7.8	5.9
Glomerulonephritis	8.4	10.8	10.3	9.7	9.0	7.1	4.9	7.5	11.4	7.6	7.3	4.8	6.6	8.0
Other cause	8.7	9.1	9.8	8.0	6.9	8.5	6.2	8.3	6.1	7.4	8.1	6.3	6.5	6.9
First transplant	8.5	9.8	9.8	9.2	8.5	6.9	5.6	7.3	9.2	7.0	7.0	5.1	7.2	6.8
Subsequent transplants	4.5	10.3	9.9	7.7	9.1	12.6	4.9	10.4	8.9	8.8	16.6	10.4	9.9	7.7
All	8.3	9.9	9.8	9.1	8.5	7.4	5.6	7.6	9.1	7.2	7.8	5.6	7.4	6.9
ADJUSTED														
0-19	9.2	10.8	18.3	15.1	12.4	16.1	9.7	14.3	15.4	5.0	12.9	6.5	13.3	11.4
20-44	8.6	10.6	9.6	9.6	9.4	8.3	6.3	8.0	9.6	8.2	8.0	5.6	7.4	6.3
45-64	11.7	11.6	7.1	5.0	5.7	3.4	3.1	5.7	5.3	7.3	7.4	5.9	6.5	7.2
65-74	.	.	.	16.8	*	9.5	9.5	7.1	17.5	.	*	5.4	5.3	5.4
75+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	8.2	10.8	9.4	9.1	7.9	7.0	5.0	7.8	10.6	6.4	7.8	4.9	6.5	6.5
Female	7.0	6.7	8.4	7.2	8.0	7.4	6.0	6.8	5.3	7.1	7.2	5.8	8.1	6.8
White	7.1	7.9	8.7	7.8	7.5	6.3	5.4	7.5	8.6	5.9	7.4	5.0	6.8	6.6
African American	10.7	16.2	11.6	11.0	11.3	12.1	5.2	8.3	8.3	11.6	7.7	7.9	9.2	6.4
Other race	7.5	9.7	2.7	8.5	3.4	5.1	4.8	1.2	2.3	3.5	4.2	*	3.8	8.3
Diabetes	6.6	12.6	8.8	11.9	11.5	8.2	7.2	7.8	11.9	6.3	9.8	5.4	10.6	6.7
Hypertension	8.0	6.1	9.2	6.9	8.0	5.3	3.7	6.4	5.9	7.7	5.7	6.9	7.5	5.9
Glomerulonephritis	7.7	10.1	9.6	9.0	8.3	6.8	4.8	7.1	10.7	6.8	6.9	4.5	6.3	7.4
Other cause	7.6	8.0	8.7	6.9	6.2	8.1	6.0	8.1	5.2	6.6	7.3	5.4	6.0	6.3
First transplant	7.8	9.1	9.0	8.4	7.9	6.7	5.6	7.2	8.5	6.6	6.8	4.8	6.9	6.5
Subsequent transplants	4.5	9.3	9.0	7.2	8.8	12.0	4.6	9.9	8.1	7.8	15.3	9.8	9.3	7.3
All	7.7	9.2	9.1	8.4	8.0	7.2	5.4	7.4	8.5	6.7	7.5	5.3	7.2	6.6

Table F.20

One-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	*	9.1	*	*	10.0	*	25.0	7.7	*	17.5	*
1-4	12.5	*	18.2	9.1	13.3	7.7	12.5	*	8.7	8.3	*
5-9	6.3	4.2	11.4	*	3.9	*	7.1	11.1	3.7	*	*
10-14	4.9	2.7	2.3	6.4	5.2	2.8	14.3	2.6	2.0	*	6.4
15-19	7.6	10.8	2.6	6.8	9.4	3.3	4.8	9.0	3.3	4.1	11.1
20-29	7.2	5.9	6.5	4.0	7.7	5.0	6.3	4.6	4.1	2.7	3.4
30-39	6.2	4.8	5.2	3.2	4.0	4.6	3.6	3.3	3.3	4.7	6.4
40-49	7.8	4.8	4.8	5.1	3.0	2.8	5.1	5.0	4.5	3.7	2.8
50-59	5.3	5.7	3.4	3.5	4.0	3.7	4.3	3.4	2.9	2.3	2.3
60-64	6.7	8.4	1.7	5.4	2.6	1.4	3.5	3.7	2.5	3.1	3.8
65-69	2.6	6.3	6.1	*	3.6	3.5	1.2	4.1	1.8	3.5	0.9
70-79	*	9.5	4.6	3.5	2.8	*	7.3	1.1	2.7	2.3	4.0
80+	.	.	.	.	.	*	.	*	*	*	*
Male	6.3	5.3	3.9	3.7	3.6	2.7	4.5	3.6	2.9	2.9	2.9
Female	7.0	5.9	6.2	4.5	6.0	4.9	5.0	4.8	4.1	3.9	4.5
White	6.0	4.9	4.3	4.1	4.7	3.8	4.5	3.8	3.1	3.5	3.4
African American	11.0	8.9	8.0	3.4	5.2	3.9	6.0	5.8	4.5	3.7	4.4
Other race	2.2	5.5	4.2	5.3	1.2	*	3.8	2.5	3.5	0.5	2.9
†Hispanic			4.0	3.1	4.7	4.2	3.8	3.5	2.2	2.7	3.3
†Non-Hispanic			5.1	4.2	4.6	3.5	4.9	4.2	3.5	3.4	3.6
Diabetes	5.6	4.9	4.1	86.2	2.6	2.8	4.2	3.4	3.2	2.1	2.6
Hypertension	8.3	5.0	4.0	2.3	3.6	5.6	3.1	3.7	2.6	2.7	3.6
Glomerulonephritis	6.6	6.7	5.3	5.7	5.8	3.2	6.2	5.4	2.7	3.4	4.5
Other cause	6.3	5.1	5.6	3.9	5.5	3.5	4.6	3.7	4.4	4.4	3.5
First transplant	5.8	5.5	4.7	3.8	4.2	3.3	4.3	3.7	2.8	3.3	3.2
Subsequent transplants	13.7	6.3	7.1	5.9	7.4	6.0	7.4	6.9	7.2	3.3	6.5
All	6.6	5.6	4.9	4.0	4.6	3.6	4.7	4.1	3.4	3.3	3.5
ADJUSTED											
0-19	7.8	8.0	6.6	6.7	8.8	3.3	10.0	8.1	4.1	4.3	7.8
20-44	6.6	5.3	5.7	4.0	5.0	4.0	4.7	4.1	4.2	3.7	4.5
45-64	7.0	5.6	3.4	4.2	3.5	3.4	4.5	3.9	2.9	2.9	2.8
65-74	2.3	5.7	6.2	1.0	3.0	2.6	3.4	3.0	1.8	3.2	1.8
75+	.	24.6	*	.	8.5	*	*	4.5	6.4	3.4	2.1
Male	6.1	5.4	3.9	3.7	3.7	2.7	4.8	3.9	3.1	3.2	3.2
Female	6.8	5.7	6.2	4.5	5.9	4.9	5.2	5.1	4.4	4.1	4.9
White	5.8	4.9	4.3	4.1	4.8	4.0	4.8	4.1	3.4	3.8	3.8
African American	10.3	8.6	7.8	3.4	5.1	3.8	6.0	5.9	4.7	3.7	4.7
Other race	2.2	5.4	4.3	5.6	1.2	*	4.4	2.7	3.9	0.6	3.2
Diabetes	6.1	5.5	4.7	3.3	3.0	3.3	5.0	4.1	4.0	2.6	3.2
Hypertension	8.2	5.0	4.1	2.3	3.6	5.5	3.3	4.1	2.8	2.9	3.9
Glomerulonephritis	6.4	6.5	5.2	5.5	5.8	3.2	6.3	5.4	2.8	3.5	4.7
Other cause	5.9	4.9	5.2	3.8	5.2	3.4	4.7	3.7	4.6	4.5	3.7
First transplant	5.7	5.4	4.7	3.8	4.3	3.4	4.7	4.0	3.1	3.7	3.5
Subsequent transplants	13.5	6.3	6.7	5.8	7.5	6.0	7.4	6.9	7.3	3.3	6.7
All	6.4	5.5	4.9	4.0	4.7	3.7	5.0	4.4	3.7	3.6	3.9

Table F.20
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	.	25.0	.	12.2	16.0	.	15.8	15.2	7.6	16.0	.	18.8	6.6
1-4	18.8	.	12.9	10.8	7.6	11.9	6.6	6.9	13.6	.	.	5.5	9.6	10.5
5-9	5.0	7.6	8.2	8.0	4.0	7.4	9.2	8.3	9.0	8.0	.	4.6	4.9	8.6
10-14	4.3	3.5	5.8	4.1	3.8	4.7	.	5.8	5.5	.	8.0	2.9	4.4	4.2
15-19	3.2	3.2	2.8	3.1	3.7	3.8	2.7	2.5	3.2	2.0	3.7	2.7	3.7	2.8
20-29	1.7	1.6	1.4	1.4	1.6	1.4	1.4	1.6	1.7	1.6	1.4	1.3	1.4	1.3
30-39	1.5	1.9	1.7	1.5	1.4	1.4	1.0	1.2	1.7	1.5	1.4	1.1	1.4	1.2
40-49	2.9	2.6	1.9	2.0	1.6	1.1	0.9	1.2	1.6	1.7	1.8	1.4	1.4	1.1
50-59	5.3	3.6	2.3	2.0	1.9	0.9	1.0	1.2	2.1	2.3	2.1	1.8	1.8	1.9
60-64	.	.	.	.	3.1	3.9	1.6	3.5	6.2	3.0	3.4	3.1	2.0	2.6
65-69	.	.	.	16.0	.	9.0	4.5	4.8	12.2	.	.	5.5	3.3	3.1
70-79	.	.	.	.	.	.	12.2	.	.	.	.	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.3	1.3	1.1	1.1	1.0	0.8	0.7	0.8	1.2	1.0	1.0	0.8	0.9	0.8
Female	1.5	1.3	1.4	1.2	1.2	1.1	0.9	1.0	1.1	1.2	1.1	1.0	1.1	1.0
White	1.0	1.0	0.9	0.9	0.8	0.7	0.6	0.7	1.0	0.8	0.8	0.7	0.7	0.7
African American	3.6	3.7	2.5	2.4	2.5	2.3	1.4	1.7	2.5	2.8	2.4	2.0	2.1	1.5
Other race	6.2	4.9	2.6	4.4	2.7	2.9	2.4	1.3	2.4	2.7	3.2	.	2.7	3.6
†Hispanic														
†Non-Hispanic														
Diabetes	2.3	2.8	1.9	2.1	2.0	1.4	1.2	1.4	2.0	1.4	1.6	1.1	1.6	1.2
Hypertension	3.4	2.6	2.5	2.1	2.1	1.6	1.2	1.6	2.3	2.3	2.0	1.9	1.8	1.4
Glomerulonephritis	1.7	1.7	1.4	1.4	1.3	1.1	0.9	1.1	1.6	1.3	1.2	1.0	1.2	1.2
Other cause	1.5	1.5	1.4	1.3	1.2	1.2	1.0	1.1	1.3	1.4	1.4	1.2	1.1	1.1
First transplant	1.0	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.9	0.8	0.7	0.6	0.7	0.7
Subsequent transplants	3.1	4.8	3.5	2.8	2.5	2.8	1.5	2.3	2.8	3.0	3.5	2.6	2.6	2.2
All	1.0	1.0	0.8	0.8	0.8	0.7	0.5	0.6	0.9	0.8	0.8	0.6	0.7	0.6

Table F.20
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	.	8.3	.	.	9.0	.	18.8	7.1	.	10.74	.
1-4	10.9	.	8.0	6.0	8.5	7.1	8.0	.	5.7	5.52	.
5-9	5.9	4.0	6.1	.	3.7	.	6.6	5.9	3.6	.	.
10-14	3.3	2.6	2.3	4.3	3.5	2.7	6.5	2.6	2.0	.	3.53
15-19	3.0	3.6	1.8	2.7	3.6	2.3	2.7	3.2	1.9	2.01	3.46
20-29	1.3	1.2	1.3	1.0	1.5	1.1	1.3	1.0	1.1	0.76	0.87
30-39	1.1	1.0	1.0	0.9	0.9	1.1	0.9	0.8	0.7	0.84	0.97
40-49	1.3	1.0	1.0	1.1	0.9	0.8	1.0	0.9	0.8	0.7	0.6
50-59	1.4	1.3	1.0	1.0	1.0	0.9	0.9	0.8	0.6	0.54	0.51
60-64	3.2	2.8	1.2	2.0	1.5	1.0	1.4	1.2	0.9	0.97	1.07
65-69	2.5	3.1	2.6	.	1.8	1.7	0.8	1.4	0.8	1.08	0.52
70-79	.	6.3	4.3	3.3	2.7	.	2.8	1.1	1.3	1.33	1.58
80+	.	.	.	.	.	.	.	.	.	.	.
Male	0.8	0.7	0.6	0.6	0.6	0.5	0.6	0.5	0.4	0.37	0.36
Female	0.9	0.8	0.8	0.7	0.8	0.7	0.7	0.6	0.5	0.5	0.53
White	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.35	0.34
African American	1.8	1.6	1.5	1.0	1.2	1.0	1.2	1.0	0.9	0.77	0.81
Other race	1.5	2.4	2.4	2.3	1.2	.	1.9	1.2	1.4	0.53	1.08
†Hispanic			1.2	1.0	1.2	1.1	1.0	0.9	0.7	0.73	0.79
†Non-Hispanic			0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.33	0.33
Diabetes	1.2	1.0	0.9	0.8	0.7	0.8	0.9	0.7	0.6	0.5	0.53
Hypertension	1.5	1.2	1.1	0.9	1.1	1.2	0.9	0.9	0.7	0.72	0.75
Glomerulonephritis	1.1	1.0	0.9	0.9	1.0	0.7	1.0	0.8	0.5	0.57	0.67
Other cause	1.1	0.9	0.9	0.8	0.9	0.7	0.8	0.6	0.6	0.6	0.53
First transplant	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.3	0.33	0.31
Subsequent transplants	2.6	1.7	1.8	1.7	1.7	1.6	1.6	1.4	1.3	0.83	1.2
All	0.6	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.31

Table F.21

Two-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	*	*	50.0	*	28.6	20.0	*	37.5	27.1	8.3	20.0	*	37.5	7.1
1-4	25.0	*	50.0	32.7	8.3	33.3	14.9	15.8	30.0	*	*	5.9	23.1	21.4
5-9	16.4	11.8	36.7	32.4	12.5	14.3	30.4	25.9	17.7	18.2	*	10.3	11.1	27.3
10-14	16.1	15.3	33.0	16.4	16.8	14.4	19.4	23.7	24.5	2.4	23.0	6.4	14.0	15.4
15-19	16.6	19.5	13.3	19.0	17.4	19.7	11.8	11.8	17.7	10.0	18.4	12.9	17.5	9.1
20-29	12.3	11.0	14.9	12.9	13.7	10.3	13.1	14.3	15.0	11.2	9.0	9.7	10.7	10.9
30-39	7.8	16.0	13.4	12.6	12.7	12.3	7.4	8.1	13.5	8.2	10.0	7.5	10.7	10.4
40-49	12.7	12.9	10.5	13.9	7.8	7.1	4.9	8.5	5.3	7.3	9.9	9.9	7.7	6.0
50-59	11.5	15.4	11.6	6.9	7.4	2.8	4.5	6.3	6.7	9.5	8.8	6.9	9.6	12.3
60-64	.	*	*	*	9.7	7.1	3.4	10.5	6.7	3.1	3.6	7.0	4.3	4.7
65-69	*	*	*	20.0	*	10.0	6.7	10.9	14.3	*	*	5.9	4.8	3.2
70-79	.	.	.	*	*	*	14.3	*	.	.	*	*	*	14.3
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	13.5	16.0	14.6	14.8	12.4	9.4	7.7	10.7	15.5	8.1	9.5	7.8	9.7	9.0
Female	9.5	11.1	14.9	11.4	11.1	11.0	9.3	9.7	9.0	9.9	10.2	9.7	11.0	11.2
White	11.6	13.1	14.2	12.6	10.8	8.6	7.9	10.1	12.8	7.9	9.2	7.9	9.7	9.5
African American	14.9	20.5	20.2	19.3	19.0	18.6	12.2	13.3	16.1	16.7	15.3	14.7	14.4	10.8
Other race	6.7	16.0	2.6	9.5	10.2	6.9	4.9	3.8	5.1	4.0	7.0	1.8	6.0	13.8
†Hispanic														
†Non-Hispanic														
Diabetes	11.2	15.8	13.7	16.0	15.4	8.7	9.4	8.6	14.0	7.7	10.7	6.9	11.2	8.3
Hypertension	11.8	9.1	16.7	15.7	12.1	10.3	7.4	8.4	13.1	9.7	9.7	10.9	12.3	7.9
Glomerulonephritis	12.2	16.8	15.3	13.8	12.7	9.8	7.8	9.5	15.8	8.8	8.7	8.5	10.4	12.7
Other cause	11.7	12.3	13.9	11.1	9.1	10.9	8.6	12.7	9.0	9.4	10.4	9.3	8.4	9.5
First transplant	11.9	14.2	14.7	13.4	11.9	9.6	8.5	10.1	13.2	8.8	8.8	8.0	10.0	9.9
Subsequent transplants	11.5	10.3	15.8	14.5	11.5	14.0	6.8	11.6	9.9	8.8	20.5	15.0	12.3	9.8
All	11.8	14.1	14.7	13.5	11.9	10.0	8.3	10.3	12.9	8.8	9.8	8.6	10.2	9.9
ADJUSTED														
0-19	19.3	18.8	27.0	22.8	18.3	20.9	17.5	19.6	23.4	9.3	17.0	11.1	18.9	15.4
20-44	11.8	14.6	14.5	13.9	13.1	10.7	9.1	10.8	13.5	9.7	10.0	9.1	10.1	10.0
45-64	11.7	14.7	10.0	8.0	7.5	5.7	4.7	7.4	6.4	8.1	9.1	7.8	9.2	9.0
65-74	.	.	.	16.8	*	9.7	9.6	10.7	17.8	.	*	5.4	5.3	5.5
75+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	12.7	15.0	13.5	13.5	11.7	9.1	7.4	10.3	14.5	7.6	9.3	7.5	9.3	8.7
Female	8.7	10.2	13.7	10.6	10.2	10.3	9.2	9.4	8.1	9.3	9.6	9.0	10.5	10.5
White	10.5	11.9	13.1	11.5	10.1	8.3	7.6	9.8	11.7	7.3	8.7	7.4	9.3	9.2
African American	13.0	17.9	17.8	17.6	16.6	17.2	11.2	12.4	14.1	14.5	13.1	13.5	13.3	10.3
Other race	7.5	15.0	2.7	8.5	8.8	5.1	4.8	3.5	4.7	3.5	6.4	1.5	5.8	13.4
Diabetes	12.3	17.0	14.5	16.7	16.5	9.6	10.2	9.4	15.1	8.4	11.7	7.5	12.3	9.0
Hypertension	10.7	7.9	14.5	14.4	11.2	9.4	6.9	7.9	11.4	9.0	9.5	10.3	11.8	7.8
Glomerulonephritis	11.2	15.6	14.2	12.8	11.8	9.4	7.5	8.9	14.8	8.0	8.2	8.0	9.9	11.7
Other cause	10.1	10.7	12.4	9.7	8.2	10.2	8.4	12.4	7.7	8.4	9.4	8.0	7.7	8.8
First transplant	10.9	13.1	13.5	12.3	11.1	9.2	8.4	9.9	12.3	8.3	8.5	7.6	9.7	9.5
Subsequent transplants	11.5	9.4	14.6	13.6	11.2	13.5	6.6	11.0	9.1	7.8	19.0	14.1	11.6	9.4
All	11.1	13.1	13.7	12.5	11.2	9.6	8.2	10.0	12.0	8.3	9.4	8.2	9.9	9.5

Table F.21

Two-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	*	9.1	25.0	*	10.0	*	25.0	7.7	*	17.5
1-4	12.5	*	18.2	13.6	13.3	7.7	12.5	*	8.7	8.3
5-9	6.3	12.9	15.3	*	7.7	*	7.1	14.8	3.7	*
10-14	4.9	8.1	7.1	9.6	7.8	2.8	25.0	5.3	10.2	*
15-19	10.1	15.0	9.2	8.0	9.4	10.0	9.5	10.3	9.9	13.7
20-29	9.8	8.1	10.6	10.3	12.2	11.3	11.5	9.3	9.2	7.5
30-39	8.5	8.0	8.1	6.1	6.7	7.5	6.1	6.8	6.2	6.6
40-49	9.8	6.6	6.5	7.4	4.8	4.2	6.5	6.2	6.7	6.2
50-59	6.5	6.0	5.0	4.7	5.9	5.0	5.8	4.7	4.7	3.8
60-64	6.7	9.5	2.6	6.3	2.6	1.4	3.5	4.9	4.3	4.4
65-69	2.6	6.3	7.3	1.2	5.5	4.4	1.2	4.6	4.1	4.6
70-79	*	9.5	4.6	3.5	8.9	2.4	9.7	1.1	3.5	4.0
80+	.	.	.	.	.	*	.	*	*	*
Male	8.1	7.3	6.5	5.8	6.0	5.0	6.3	5.3	5.4	5.4
Female	9.1	8.3	8.9	8.2	8.5	7.7	7.7	7.4	6.7	6.1
White	7.6	6.8	6.3	6.5	6.9	5.9	6.4	5.2	5.4	5.5
African American	14.4	12.8	14.0	8.2	9.0	8.9	9.6	11.1	9.6	7.6
Other race	4.4	6.6	5.6	7.4	2.4	0.9	5.9	4.4	4.1	2.2
†Hispanic			6.4	5.2	6.0	5.5	5.5	4.5	5.0	3.7
†Non-Hispanic			7.7	7.1	7.2	6.3	7.1	6.5	6.1	6.0
Diabetes	7.9	6.1	6.5	86.2	3.7	4.6	6.3	4.6	5.4	4.0
Hypertension	9.2	6.3	7.6	6.1	7.9	9.2	5.4	6.2	5.7	3.9
Glomerulonephritis	9.2	9.7	7.9	8.6	8.9	5.8	8.8	8.2	6.0	6.6
Other cause	7.9	7.6	8.0	7.2	7.3	6.1	6.6	5.7	6.6	6.8
First transplant	7.8	7.7	7.3	6.6	6.6	5.8	6.5	5.8	5.4	5.3
Subsequent transplants	15.5	8.3	9.5	9.3	10.5	9.3	9.7	9.2	10.0	7.9
All	8.5	7.7	7.6	6.8	7.0	6.2	6.9	6.2	6.0	5.7
ADJUSTED										
0-19	9.3	13.1	12.6	8.7	10.3	6.6	15.4	10.1	9.9	9.3
20-44	8.9	8.1	8.6	7.8	8.0	7.7	7.5	7.5	7.4	6.7
45-64	8.6	6.3	5.1	6.1	5.2	4.5	5.9	5.0	4.8	4.6
65-74	2.3	5.7	7.3	1.9	6.2	3.3	4.3	3.4	3.7	4.6
75+	.	27.5	*	.	8.4	9.4	*	4.6	6.6	3.6
Male	7.8	7.4	6.4	5.7	6.1	5.2	6.7	5.7	5.9	5.9
Female	8.9	8.0	8.9	8.2	8.4	7.7	8.0	7.8	7.3	6.4
White	7.4	6.7	6.3	6.6	7.1	6.2	6.8	5.6	5.9	6.0
African American	13.4	12.4	13.6	8.0	8.8	8.7	9.7	11.4	9.9	7.7
Other race	4.4	6.5	5.7	7.8	2.4	1.0	6.7	4.8	4.6	2.3
Diabetes	8.7	6.8	7.4	4.7	4.3	5.3	7.5	5.6	6.6	4.9
Hypertension	9.1	6.3	7.6	6.1	8.0	9.1	5.6	6.8	6.1	4.2
Glomerulonephritis	8.9	9.4	7.8	8.2	8.8	5.7	8.8	8.1	6.2	6.7
Other cause	7.3	7.3	7.4	7.0	6.9	5.9	6.7	5.7	6.9	7.1
First transplant	7.5	7.6	7.4	6.6	6.7	5.9	7.0	6.2	6.0	5.8
Subsequent transplants	15.3	8.3	9.0	9.1	10.7	9.4	9.7	9.3	10.2	8.1
All	8.3	7.7	7.5	6.8	7.1	6.3	7.3	6.6	6.5	6.1

Table F.21
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	.	25.0	.	15.7	16.0	.	15.8	15.2	7.6	16.0	.	18.8	6.6
1-4	18.8	.	13.6	11.6	7.6	12.9	9.3	8.1	13.6	.	.	5.5	11.2	10.5
5-9	8.4	7.6	9.0	10.6	6.6	7.4	9.2	8.3	9.0	8.0	.	5.6	5.9	9.2
10-14	5.5	5.7	6.9	4.9	4.8	5.0	6.5	6.8	6.6	2.4	8.0	3.6	5.2	5.7
15-19	4.8	3.9	3.3	3.6	4.1	4.5	3.3	3.3	4.3	3.6	4.4	3.8	4.4	3.3
20-29	2.0	1.9	1.8	1.7	1.9	1.6	1.7	1.8	2.0	1.8	1.5	1.6	1.7	1.6
30-39	1.9	2.1	1.9	1.7	1.7	1.6	1.1	1.3	1.9	1.5	1.6	1.3	1.5	1.5
40-49	3.0	2.8	2.2	2.3	1.8	1.4	1.1	1.4	1.7	1.8	1.9	1.8	1.5	1.3
50-59	5.3	4.1	2.9	2.2	2.1	1.1	1.2	1.4	2.5	2.5	2.4	1.9	2.2	2.1
60-64	.	.	.	.	5.2	3.9	2.3	3.7	6.2	3.0	3.4	3.9	2.9	2.6
65-69	.	.	.	16.0	.	9.0	4.5	5.8	12.2	.	.	5.5	3.3	3.1
70-79	.	.	.	.	.	.	12.2	.	.	.	.	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.6	1.5	1.3	1.3	1.1	0.9	0.8	0.9	1.4	1.0	1.1	0.9	1.0	0.9
Female	1.6	1.6	1.7	1.4	1.4	1.3	1.1	1.1	1.4	1.4	1.3	1.2	1.2	1.2
White	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.8	1.1	0.9	0.9	0.8	0.8	0.8
African American	3.9	3.9	3.1	2.9	2.9	2.6	2.0	2.0	3.1	3.0	3.0	2.5	2.4	1.9
Other race	6.2	5.9	2.6	4.4	4.3	3.3	2.4	2.1	3.5	2.7	3.9	1.7	3.3	4.5
†Hispanic														
†Non-Hispanic														
Diabetes	3.2	3.2	2.5	2.5	2.3	1.6	1.5	1.5	2.2	1.6	1.8	1.3	1.7	1.4
Hypertension	3.9	2.9	3.0	2.9	2.5	2.1	1.6	1.8	3.2	2.5	2.6	2.2	2.2	1.6
Glomerulonephritis	2.0	2.0	1.7	1.6	1.5	1.3	1.1	1.2	1.9	1.4	1.3	1.3	1.4	1.5
Other cause	1.7	1.7	1.7	1.5	1.3	1.4	1.1	1.3	1.5	1.6	1.5	1.4	1.3	1.3
First transplant	1.2	1.2	1.0	1.0	0.9	0.8	0.7	0.8	1.1	0.9	0.8	0.8	0.8	0.8
Subsequent transplants	4.8	4.8	4.3	3.7	2.8	2.9	1.8	2.4	3.0	3.0	3.9	3.1	2.9	2.5
All	1.2	1.1	1.0	0.9	0.9	0.8	0.6	0.7	1.0	0.8	0.8	0.7	0.8	0.7

Table F.21
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	.	8.3	18.8	.	9.0	.	18.8	7.1	.	10.74
1-4	10.9	.	8.0	7.1	8.5	7.1	8.0	.	5.74	5.52
5-9	5.9	6.8	6.9	.	5.1	.	6.6	6.6	3.57	.
10-14	3.3	4.4	3.9	5.2	4.3	2.7	8.0	3.6	4.28	.
15-19	3.4	4.1	3.3	2.9	3.6	3.8	3.7	3.4	3.11	3.5
20-29	1.5	1.4	1.6	1.6	1.8	1.7	1.8	1.4	1.52	1.25
30-39	1.3	1.2	1.3	1.2	1.2	1.3	1.1	1.1	0.99	1
40-49	1.5	1.2	1.2	1.3	1.1	1.0	1.1	1.0	0.95	0.9
50-59	1.5	1.3	1.2	1.1	1.2	1.1	1.1	0.9	0.79	0.69
60-64	3.2	3.0	1.5	2.1	1.5	1.0	1.4	1.3	1.22	1.15
65-69	2.5	3.1	2.9	1.2	2.2	1.9	0.8	1.5	1.21	1.24
70-79	.	6.3	4.3	3.3	4.8	2.3	3.3	1.1	1.52	1.76
80+	.	.	.	.	.	.	.	.	.	.
Male	0.9	0.8	0.7	0.7	0.7	0.6	0.7	0.6	0.52	0.5
Female	1.0	1.0	1.0	0.9	1.0	0.9	0.8	0.8	0.68	0.62
White	0.7	0.6	0.6	0.6	0.7	0.6	0.6	0.5	0.45	0.44
African American	2.0	1.9	1.9	1.5	1.5	1.5	1.5	1.4	1.29	1.09
Other race	2.2	2.6	2.7	2.7	1.7	0.9	2.3	1.6	1.5	1.07
†Hispanic			1.5	1.3	1.4	1.3	1.2	1.0	1.04	0.86
†Non-Hispanic			0.6	0.6	0.6	0.6	0.6	0.5	0.45	0.43
Diabetes	1.4	1.2	1.2	1.0	0.9	1.0	1.1	0.8	0.78	0.68
Hypertension	1.6	1.4	1.5	1.4	1.6	1.6	1.1	1.1	1	0.86
Glomerulonephritis	1.2	1.2	1.1	1.1	1.2	1.0	1.1	1.0	0.8	0.79
Other cause	1.2	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.78	0.74
First transplant	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.43	0.41
Subsequent transplants	2.7	1.9	2.0	2.1	2.0	2.0	1.8	1.6	1.49	1.27
All	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.42	0.39

Table F.22

Three-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	*	25.0	50.0	*	28.6	20.0	*	50.0	27.1	8.3	20.0	*	58.3	7.1
1-4	25.0	*	50.0	41.1	8.3	33.3	14.9	21.1	30.0	*	9.1	5.9	23.1	21.4
5-9	22.0	11.8	47.8	44.7	25.0	14.3	34.8	25.9	29.4	18.2	5.3	17.2	14.8	27.3
10-14	21.0	35.9	35.3	23.8	20.2	26.9	19.4	23.7	29.5	2.4	35.2	10.8	20.9	20.5
15-19	20.1	24.4	16.1	22.5	23.2	22.3	22.7	19.6	20.2	14.4	25.0	19.4	23.1	21.0
20-29	14.9	14.7	19.0	17.1	16.9	15.6	16.6	18.2	17.9	15.9	13.5	12.8	13.1	16.0
30-39	11.8	19.5	16.6	16.0	16.1	16.6	10.1	9.9	17.0	10.7	11.4	10.7	12.0	11.9
40-49	15.4	18.3	14.7	16.3	14.1	8.7	6.7	10.6	7.7	8.3	11.5	11.7	10.4	7.8
50-59	14.8	18.3	14.2	8.6	10.0	5.4	4.8	8.1	11.0	12.5	9.5	9.4	10.1	14.0
60-64	.	*	*	*	13.0	7.1	3.4	12.0	6.7	6.6	3.6	9.7	4.3	6.5
65-69	*	*	*	20.0	*	10.0	6.7	10.9	14.3	*	7.1	5.9	7.5	3.2
70-79	.	.	.	*	*	*	14.3	*	.	.	*	*	*	14.3
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	16.5	20.1	18.4	18.3	16.3	13.2	10.5	13.5	18.7	10.3	12.3	10.3	12.1	11.3
Female	13.1	16.6	18.4	15.1	15.3	14.4	11.4	11.9	12.4	13.6	13.5	13.5	12.9	15.0
White	14.3	17.3	18.0	16.3	14.4	11.9	9.8	12.6	15.4	10.6	11.9	10.7	11.4	11.7
African American	22.5	28.4	23.3	22.7	26.4	24.7	17.2	15.9	23.7	20.1	19.6	18.8	18.3	17.8
Other race	6.7	21.6	5.7	12.1	10.2	10.6	9.9	6.4	7.7	6.0	11.8	5.3	14.2	13.8
†Hispanic														
†Non-Hispanic														
Diabetes	14.6	18.4	18.2	19.5	19.0	10.0	11.7	10.9	15.7	9.7	12.5	9.0	12.5	10.6
Hypertension	16.4	15.4	21.6	18.3	16.9	15.3	10.9	10.9	18.6	14.0	13.7	14.2	16.3	10.2
Glomerulonephritis	15.0	20.5	18.9	18.1	17.2	14.7	10.4	12.4	19.3	11.8	11.4	11.7	12.1	16.4
Other cause	15.1	17.9	16.9	14.3	12.6	14.1	10.8	15.2	12.3	12.0	14.2	12.7	10.8	12.6
First transplant	15.3	18.6	18.2	17.2	16.2	13.3	11.2	12.8	16.4	11.6	12.0	10.6	12.4	12.9
Subsequent transplants	11.5	21.1	21.7	15.7	13.1	16.9	8.3	13.9	14.0	12.3	21.5	21.9	13.0	12.7
All	15.1	18.7	18.4	17.1	15.9	13.7	10.9	12.9	16.2	11.7	12.8	11.7	12.4	12.9
ADJUSTED														
0-19	23.9	28.0	31.0	29.0	24.1	26.4	24.7	24.9	27.8	11.5	25.1	17.0	25.1	22.7
20-44	15.2	18.8	18.3	17.4	16.9	15.0	12.0	13.3	16.8	13.2	12.8	12.0	12.4	12.8
45-64	14.5	18.5	13.6	10.7	11.8	7.9	5.6	9.7	9.2	10.3	10.4	10.3	9.8	11.1
65-74	.	.	.	17.7	*	10.4	10.0	11.4	18.4	.	10.4	5.5	8.3	5.7
75+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	15.5	18.7	16.9	16.8	15.4	12.8	10.1	13.1	17.5	9.6	12.0	9.8	11.6	10.9
Female	12.1	15.2	17.0	14.0	14.1	13.6	11.4	11.5	11.2	12.8	12.7	12.6	12.4	14.2
White	13.0	15.7	16.5	14.9	13.5	11.4	9.5	12.3	14.1	9.9	11.3	10.1	10.9	11.4
African American	19.7	24.7	20.5	20.5	23.0	22.8	15.9	14.8	20.7	17.5	16.7	17.1	16.9	16.9
Other race	7.5	20.4	5.8	10.8	8.8	8.8	9.8	5.9	7.2	5.3	10.9	4.6	13.6	13.5
Diabetes	15.9	19.7	19.2	20.2	20.2	11.0	12.6	11.9	16.9	10.6	13.6	9.8	13.6	11.5
Hypertension	14.8	13.4	18.7	16.8	15.6	14.0	10.1	10.2	16.1	13.0	13.3	13.3	15.6	10.1
Glomerulonephritis	13.7	19.1	17.5	16.7	15.9	14.1	10.1	11.6	18.0	10.7	10.8	11.0	11.6	15.1
Other cause	13.0	15.6	15.0	12.5	11.4	13.3	10.5	14.8	10.5	10.8	12.8	11.0	9.9	11.5
First transplant	14.1	17.1	16.7	15.8	15.2	12.9	11.0	12.5	15.2	10.9	11.5	10.1	12.0	12.3
Subsequent transplants	11.7	19.8	20.2	14.8	12.8	16.4	8.0	13.3	13.1	11.1	20.0	20.6	12.3	12.3
All	14.1	17.5	17.1	15.8	15.0	13.2	10.7	12.5	15.1	11.0	12.3	11.1	12.0	12.4

Table F.22

Three-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002
<1	*	9.1	25.0	*	10.0	*	25.0	7.7	*
1-4	12.5	*	18.2	13.6	13.3	7.7	12.5	*	8.7
5-9	6.3	12.9	19.1	*	11.5	*	7.1	14.8	7.4
10-14	7.3	13.5	9.5	12.8	13.1	8.3	25.0	5.3	14.3
15-19	15.3	24.8	11.8	13.7	18.8	21.6	17.5	14.1	16.5
20-29	12.2	13.2	15.8	13.2	17.0	15.6	15.5	14.8	13.3
30-39	11.5	9.4	11.9	10.4	10.4	9.9	8.1	8.9	9.1
40-49	12.1	8.5	8.9	10.1	7.9	7.2	8.5	8.7	8.8
50-59	8.5	10.1	6.2	7.1	7.6	6.1	7.4	6.3	6.0
60-64	10.5	10.7	2.6	7.1	3.6	2.9	5.9	6.9	7.0
65-69	2.6	6.3	7.3	1.2	8.4	6.2	1.8	4.6	5.3
70-79	*	9.5	4.6	7.2	8.9	2.4	9.7	1.1	3.5
80+	.	.	.	.	.	*	.	*	*
Male	11.0	10.3	9.4	8.5	9.0	7.6	8.3	7.7	7.7
Female	11.3	11.2	11.6	11.4	12.2	10.8	10.1	9.7	9.2
White	9.6	8.9	8.7	9.0	9.3	7.6	8.5	7.3	7.2
African American	19.9	19.7	18.8	13.0	16.2	15.3	12.2	15.0	14.9
Other race	5.5	10.0	7.0	10.7	6.0	4.6	7.9	6.4	5.2
†Hispanic			10.9	7.3	7.8	7.1	7.8	6.7	7.5
†Non-Hispanic			10.3	10.2	10.8	9.2	9.3	8.9	8.5
Diabetes	9.6	6.9	8.2	86.2	5.8	6.5	7.5	6.7	7.7
Hypertension	12.8	11.6	9.5	9.3	14.1	11.0	7.9	7.4	8.6
Glomerulonephritis	12.5	12.8	11.1	11.6	12.7	10.5	12.4	11.7	8.9
Other cause	9.7	10.6	11.6	10.3	9.7	8.1	7.9	7.9	8.3
First transplant	10.4	10.7	9.9	9.3	10.1	8.5	8.4	8.0	7.6
Subsequent transplants	17.3	10.9	14.5	14.4	12.3	12.2	14.6	13.1	13.9
All	11.1	10.7	10.4	9.7	10.4	8.9	9.1	8.6	8.3
ADJUSTED									
0-19	13.3	19.6	15.3	12.7	16.9	14.1	19.9	12.1	15.1
20-44	11.3	10.9	12.8	11.2	12.1	10.8	10.0	10.8	10.6
45-64	11.3	9.0	6.3	8.3	6.9	6.2	7.9	7.0	6.5
65-74	2.3	5.8	7.5	3.0	8.8	4.8	4.8	3.5	4.5
75+	.	32.3	*	.	9.0	9.5	*	5.0	7.4
Male	10.5	10.3	9.3	8.4	9.1	7.7	8.9	8.3	8.3
Female	11.0	10.8	11.7	11.4	12.1	10.7	10.5	10.1	10.0
White	9.3	8.8	8.7	9.0	9.5	8.0	9.1	7.8	7.9
African American	18.5	18.9	18.2	12.7	15.7	14.9	12.2	15.3	15.3
Other race	5.5	9.8	7.1	11.2	6.0	4.8	9.1	6.8	5.9
Diabetes	10.4	7.6	9.3	7.3	6.7	7.5	8.9	8.1	9.3
Hypertension	12.5	11.4	9.6	9.2	14.0	10.9	8.3	8.0	9.2
Glomerulonephritis	12.1	12.5	11.0	11.1	12.6	10.4	12.5	11.6	9.2
Other cause	8.9	10.2	10.8	9.9	9.0	7.8	8.2	8.0	8.6
First transplant	10.1	10.5	10.0	9.2	10.2	8.7	9.0	8.5	8.3
Subsequent transplants	17.1	10.9	13.8	14.3	12.6	12.3	14.6	13.3	14.1
All	10.8	10.6	10.4	9.7	10.5	9.1	9.6	9.1	9.0

Table F.22
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	18.8	25.0	.	15.7	16.0	.	16.1	15.2	7.6	16.0	.	18.7	6.6
1-4	18.8	.	13.6	12.5	7.6	12.9	9.3	9.1	13.6	.	8.3	5.5	11.2	10.5
5-9	9.4	7.6	9.4	11.4	8.6	7.4	9.6	8.3	10.7	8.0	5.0	6.8	6.7	9.2
10-14	6.2	7.5	7.0	5.7	5.2	6.3	6.5	6.8	7.1	2.4	9.2	4.5	6.1	6.4
15-19	5.1	4.2	3.6	3.9	4.5	4.7	4.3	4.1	4.5	4.2	4.9	4.5	4.9	4.6
20-29	2.1	2.1	2.0	2.0	2.0	1.9	1.8	2.0	2.2	2.1	1.8	1.8	1.8	1.9
30-39	2.3	2.3	2.0	1.9	1.8	1.8	1.3	1.4	2.1	1.7	1.7	1.6	1.6	1.6
40-49	3.3	3.3	2.5	2.5	2.3	1.6	1.3	1.5	2.1	1.9	2.0	1.9	1.7	1.4
50-59	6.0	4.4	3.2	2.5	2.4	1.6	1.3	1.6	3.1	2.8	2.5	2.2	2.3	2.2
60-64	.	.	.	.	6.0	3.9	2.3	4.0	6.2	4.4	3.4	4.6	2.9	3.1
65-69	.	.	.	16.0	.	9.0	4.5	5.8	12.2	.	6.6	5.5	4.1	3.1
70-79	.	.	.	.	.	.	12.2	.	.	.	.	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	1.8	1.7	1.4	1.4	1.3	1.1	0.9	1.1	1.5	1.2	1.2	1.1	1.1	1.0
Female	1.9	1.9	1.9	1.6	1.6	1.4	1.2	1.2	1.6	1.6	1.4	1.4	1.3	1.4
White	1.4	1.3	1.2	1.1	1.1	0.9	0.8	0.9	1.2	1.0	1.0	0.9	0.9	0.9
African American	4.6	4.4	3.2	3.1	3.3	2.9	2.3	2.2	3.7	3.3	3.3	2.8	2.7	2.3
Other race	6.2	6.6	3.9	5.0	4.3	4.0	3.3	2.7	4.2	3.3	4.9	3.0	4.9	4.5
†Hispanic														
†Non-Hispanic														
Diabetes	3.6	3.5	2.8	2.7	2.5	1.7	1.6	1.7	2.3	1.8	1.9	1.5	1.8	1.6
Hypertension	4.5	3.6	3.4	3.1	2.9	2.5	1.9	2.0	3.7	2.9	3.0	2.5	2.4	1.9
Glomerulonephritis	2.2	2.2	1.8	1.8	1.7	1.6	1.2	1.4	2.0	1.6	1.5	1.5	1.5	1.7
Other cause	1.9	2.0	1.8	1.7	1.6	1.6	1.3	1.5	1.8	1.7	1.8	1.6	1.4	1.4
First transplant	1.3	1.3	1.1	1.1	1.1	0.9	0.8	0.8	1.2	1.0	1.0	0.9	0.9	0.9
Subsequent transplants	4.8	6.5	4.9	3.8	2.9	3.1	1.9	2.6	3.5	3.5	3.9	3.6	2.9	2.8
All	1.3	1.3	1.1	1.0	1.0	0.9	0.7	0.8	1.1	0.9	0.9	0.9	0.9	0.8

Table F.22
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000	2001	2002
<1	.	8.3	18.8	.	9.0	.	18.8	7.1	.
1-4	10.9	.	8.0	7.1	8.5	7.1	8.0	.	5.74
5-9	5.9	6.8	7.5	.	6.1	.	6.6	6.64	4.94
10-14	4.0	5.5	4.5	5.9	5.4	4.5	8.0	3.62	4.94
15-19	4.1	5.0	3.7	3.7	4.8	5.3	4.7	3.91	3.86
20-29	1.6	1.8	1.9	1.8	2.1	1.9	2.0	1.76	1.79
30-39	1.5	1.3	1.5	1.5	1.5	1.5	1.3	1.21	1.18
40-49	1.6	1.3	1.4	1.5	1.4	1.3	1.2	1.15	1.08
50-59	1.7	1.7	1.4	1.4	1.4	1.2	1.2	1.01	0.89
60-64	4.1	3.2	1.5	2.3	1.8	1.4	1.8	1.56	1.54
65-69	2.5	3.1	2.9	1.2	2.7	2.3	1.0	1.5	1.38
70-79	.	6.3	4.3	4.8	4.8	2.3	3.3	1.08	1.52
80+	.	.	.	.	.	.	.	.	.
Male	1.0	0.9	0.9	0.8	0.9	0.8	0.8	0.66	0.62
Female	1.2	1.1	1.1	1.1	1.1	1.1	1.0	0.86	0.79
White	0.8	0.7	0.7	0.7	0.8	0.7	0.7	0.55	0.51
African American	2.3	2.3	2.1	1.8	2.0	1.9	1.7	1.61	1.56
Other race	2.4	3.1	3.0	3.2	2.6	2.0	2.7	1.94	1.69
†Hispanic			2.0	1.5	1.6	1.5	1.4	1.25	1.26
†Non-Hispanic			0.7	0.7	0.8	0.7	0.7	0.58	0.53
Diabetes	1.5	1.2	1.3	1.2	1.1	1.2	1.2	0.95	0.93
Hypertension	1.9	1.8	1.7	1.7	2.0	1.7	1.3	1.23	1.22
Glomerulonephritis	1.4	1.3	1.3	1.3	1.4	1.3	1.3	1.15	0.96
Other cause	1.3	1.3	1.3	1.2	1.2	1.1	1.0	0.89	0.87
First transplant	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.54	0.5
Subsequent transplants	2.9	2.2	2.4	2.6	2.2	2.2	2.2	1.82	1.73
All	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.52	0.49

Table F.23

Five-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants

by age, gender, race/ethnicity, primary diagnosis, & transplant number

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	*	25.0	50.0	33.3	57.1	20.0	*	62.5	27.1	8.3	20.0	*	58.3	7.1
1-4	25.0	12.5	58.3	49.5	35.8	41.7	14.9	21.1	30.0	*	9.1	12.2	23.1	21.4
5-9	33.1	24.4	51.6	63.2	29.2	23.8	39.1	33.3	43.0	22.7	15.8	24.1	29.6	27.3
10-14	30.9	43.6	37.6	37.1	40.6	39.4	33.6	31.6	34.5	19.5	43.3	17.3	34.9	35.9
15-19	33.7	30.4	29.5	32.4	31.7	30.5	28.2	32.8	31.6	30.3	34.4	24.7	27.3	43.6
20-29	23.8	20.8	26.9	24.3	27.1	21.4	24.4	23.8	23.7	22.7	21.3	20.5	23.1	23.6
30-39	16.5	24.3	22.5	20.4	20.3	22.8	14.1	13.4	22.3	14.9	18.4	17.0	19.4	17.9
40-49	23.5	20.7	17.0	19.3	19.4	11.3	10.4	13.5	13.9	10.8	17.1	18.8	15.5	14.0
50-59	24.9	24.5	17.2	10.3	12.1	6.0	5.9	9.6	17.8	15.8	14.4	16.0	15.0	16.2
60-64	.	33.3	*	*	13.0	7.1	3.4	15.3	6.7	10.3	8.9	15.6	6.5	10.5
65-69	*	*	*	20.0	*	22.9	6.7	15.1	14.3	*	14.9	5.9	7.5	15.0
70-79	.	.	.	*	*	*	14.3	*	.	.	*	*	*	14.3
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	25.4	24.9	25.1	23.5	24.3	18.1	14.3	17.0	25.2	16.3	18.4	16.7	19.4	17.7
Female	20.1	23.0	23.6	21.9	20.6	19.2	16.7	17.1	17.8	18.7	21.2	20.4	19.5	22.2
White	21.9	22.2	24.3	22.1	21.0	16.4	14.1	16.4	20.7	15.4	18.2	16.5	17.7	17.2
African American	36.5	36.6	28.5	29.4	36.7	31.4	23.2	22.3	34.7	31.7	31.2	31.6	29.6	30.5
Other race	6.7	33.2	11.9	14.8	14.5	16.1	11.2	10.2	16.2	10.1	16.7	9.1	20.5	21.2
†Hispanic														
‡Non-Hispanic														
Diabetes	16.9	20.4	22.5	24.3	23.7	12.1	14.9	14.3	20.8	15.0	18.3	13.7	18.3	16.7
Hypertension	24.2	24.9	27.4	24.8	24.8	19.4	15.9	14.7	29.2	23.0	22.0	24.8	26.9	17.6
Glomerulonephritis	25.2	27.6	27.7	23.4	23.2	20.1	15.2	17.5	25.5	17.2	17.7	19.6	19.4	23.6
Other cause	23.1	21.9	21.0	21.0	21.2	20.4	15.2	19.2	17.5	16.8	22.0	17.9	16.8	19.0
First transplant	23.6	24.2	24.5	23.0	23.6	18.5	15.5	17.1	22.3	17.2	18.5	17.2	19.7	19.3
Subsequent transplants	16.4	23.9	26.1	21.6	15.5	19.1	12.8	16.8	22.6	18.3	32.9	29.1	17.0	23.2
All	23.2	24.2	24.6	22.9	22.8	18.5	15.2	17.0	22.3	17.3	19.7	18.3	19.5	19.6
ADJUSTED														
0-19	36.6	35.8	40.8	41.6	38.7	36.6	32.0	35.6	37.2	25.2	33.9	23.5	34.1	38.2
20-44	23.0	24.2	25.0	23.1	24.0	20.7	17.4	17.4	22.4	18.5	20.1	19.4	20.7	19.6
45-64	22.7	23.7	15.2	12.6	14.5	8.9	7.4	11.9	15.9	13.0	16.0	16.3	14.2	14.9
65-74	.	.	.	16.8	*	20.7	9.7	14.9	18.1	.	22.4	5.5	8.3	15.0
75+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	23.8	23.3	23.1	21.6	23.0	17.7	13.8	16.4	23.7	15.3	18.0	16.1	18.8	17.2
Female	18.5	21.1	21.7	20.3	19.0	18.1	16.6	16.6	16.2	17.5	19.9	18.9	18.7	21.0
White	19.9	20.2	22.4	20.3	19.7	15.7	13.7	16.0	19.0	14.3	17.3	15.4	17.0	16.7
African American	32.0	32.0	25.1	26.8	32.0	29.1	21.5	20.8	30.3	27.8	26.9	28.9	27.3	29.1
Other race	7.4	31.1	11.8	13.2	12.4	14.2	11.0	9.3	15.1	8.8	15.4	7.8	19.4	20.4
Diabetes	18.3	21.8	23.6	25.2	25.2	13.4	16.2	15.6	22.3	16.3	19.8	15.0	19.8	18.0
Hypertension	22.0	22.2	23.9	22.8	23.1	17.9	14.9	13.8	25.5	21.4	21.5	23.5	25.8	17.5
Glomerulonephritis	23.0	25.6	25.6	21.6	21.4	19.2	14.7	16.4	23.9	15.7	16.7	18.5	18.4	21.9
Other cause	19.9	18.8	18.6	18.3	19.2	19.3	14.8	18.5	14.9	15.0	19.7	15.4	15.4	17.5
First transplant	21.7	22.3	22.5	21.2	22.2	17.9	15.4	16.7	20.7	16.2	17.7	16.3	19.1	18.5
Subsequent transplants	16.7	22.6	24.4	20.5	15.1	18.6	12.4	16.1	21.4	16.6	31.1	27.6	16.2	22.6
All	21.7	22.5	22.8	21.2	21.5	18.0	15.0	16.6	20.8	16.3	18.9	17.4	18.8	18.9

Table F.23

Five-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000
<1	*	9.1	25.0	*	10.0	*	25.0
1-4	25.0	14.3	18.2	13.6	20.0	7.7	12.5
5-9	13.0	21.8	19.1	15.8	11.5	5.3	14.9
10-14	7.3	24.3	19.0	19.4	13.1	11.2	39.3
15-19	27.1	34.5	22.6	29.1	34.4	25.0	30.4
20-29	23.3	21.3	25.2	24.0	27.9	23.0	23.5
30-39	18.8	15.2	16.8	13.5	14.7	16.6	14.4
40-49	18.2	14.3	15.5	14.8	13.0	12.8	12.6
50-59	11.5	14.5	11.7	11.6	12.0	9.1	9.8
60-64	23.0	16.1	10.7	9.8	7.7	5.5	9.9
65-69	2.6	8.5	10.1	5.2	12.9	11.6	6.0
70-79	*	14.6	10.2	11.4	12.0	5.0	20.4
80+	.	.	.	.	.	*	.
Male	18.8	15.6	16.0	15.0	14.2	12.5	13.9
Female	18.1	18.7	18.2	16.6	18.9	16.3	15.2
White	16.4	14.7	14.8	14.0	14.9	11.6	13.4
African American	31.1	28.5	27.9	23.5	23.8	25.6	20.4
Other race	9.1	14.5	11.6	14.1	9.7	8.4	11.1
†Hispanic			16.4	13.4	13.0	11.5	13.1
†Non-Hispanic			17.0	16.1	16.8	14.6	14.7
Diabetes	14.8	12.4	13.4	86.2	11.0	11.0	11.6
Hypertension	21.1	19.8	17.0	15.4	20.7	19.7	14.2
Glomerulonephritis	22.0	19.7	19.5	20.0	19.4	17.0	19.7
Other cause	15.7	15.6	16.7	14.9	14.9	10.6	12.1
First transplant	17.5	16.7	16.2	15.1	15.7	13.8	13.6
Subsequent transplants	27.0	18.3	23.3	20.8	20.1	17.2	21.3
All	18.5	16.9	17.0	15.7	16.2	14.1	14.5
ADJUSTED							
0-19	22.1	30.3	23.3	25.0	25.0	17.5	31.8
20-44	20.5	17.8	19.4	17.7	19.1	17.6	16.1
45-64	15.2	13.6	13.0	12.3	11.1	9.7	11.3
65-74	2.2	8.3	10.8	7.4	12.2	8.5	10.6
75+	.	39.5	*	.	24.6	31.2	9.1
Male	18.0	15.6	15.7	14.8	14.4	12.7	14.7
Female	17.5	18.0	18.2	16.6	18.7	16.4	15.8
White	15.9	14.5	14.8	14.1	15.2	12.2	14.2
African American	28.9	27.2	26.9	22.9	23.1	24.9	20.4
Other race	9.1	14.3	11.5	14.7	9.6	8.7	12.5
Diabetes	16.0	13.5	15.1	11.2	12.6	12.6	13.4
Hypertension	20.6	19.4	17.0	15.3	20.6	19.5	14.8
Glomerulonephritis	21.3	19.2	19.2	19.3	19.2	17.0	19.7
Other cause	14.4	14.9	15.4	14.3	13.8	10.2	12.4
First transplant	16.9	16.5	16.2	15.0	15.9	14.0	14.4
Subsequent transplants	26.8	18.4	22.3	20.9	20.5	17.4	21.3
All	17.9	16.7	16.9	15.6	16.4	14.4	15.2

Table F.23
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<1	.	18.8	25.0	22.2	16.6	16.0	.	15.3	15.2	7.6	16.0	.	18.7	6.6
1-4	18.8	10.9	13.3	12.9	13.6	13.5	9.3	9.1	13.6	.	8.3	7.8	11.2	10.5
5-9	10.7	10.3	9.4	11.1	9.1	9.0	9.8	8.9	11.9	8.7	8.1	7.7	8.5	9.2
10-14	7.0	7.8	7.1	6.5	6.3	7.0	7.8	7.4	7.4	6.1	9.6	5.5	7.2	7.6
15-19	6.1	4.5	4.4	4.4	5.0	5.3	4.7	4.9	5.2	5.5	5.4	4.9	5.2	5.7
20-29	2.6	2.5	2.3	2.3	2.4	2.2	2.1	2.2	2.4	2.4	2.2	2.2	2.3	2.2
30-39	2.6	2.5	2.3	2.1	2.0	2.0	1.5	1.6	2.4	2.0	2.1	1.9	2.0	1.9
40-49	3.9	3.5	2.7	2.7	2.7	1.8	1.5	1.7	2.7	2.2	2.4	2.4	2.1	1.9
50-59	7.6	5.0	3.5	2.7	2.6	1.7	1.4	1.8	3.9	3.2	3.1	2.9	2.7	2.4
60-64	.	22.2	.	.	6.0	3.9	2.3	4.4	6.2	5.6	6.0	5.8	3.6	4.1
65-69	.	.	.	16.0	.	13.5	4.5	6.9	12.2	.	9.3	5.5	4.1	6.8
70-79	.	.	.	.	.	.	12.2	.	.	.	.	.	.	12.2
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	2.1	1.8	1.6	1.5	1.5	1.3	1.1	1.2	1.7	1.4	1.5	1.3	1.4	1.3
Female	2.3	2.2	2.1	1.9	1.8	1.6	1.4	1.4	1.9	1.8	1.7	1.6	1.6	1.6
White	1.6	1.5	1.4	1.3	1.2	1.1	0.9	1.0	1.4	1.2	1.2	1.1	1.1	1.1
African American	5.4	4.7	3.5	3.4	3.6	3.2	2.6	2.5	4.1	3.9	3.9	3.3	3.2	2.8
Other race	6.2	7.7	5.5	5.5	5.0	4.9	3.5	3.4	6.0	4.2	5.7	3.8	5.7	5.4
†Hispanic														
†Non-Hispanic														
Diabetes	3.9	3.7	3.1	3.0	2.8	1.9	1.8	1.9	2.7	2.2	2.3	1.9	2.2	2.0
Hypertension	5.2	4.4	3.7	3.4	3.3	2.8	2.3	2.3	4.3	3.6	3.7	3.2	3.0	2.4
Glomerulonephritis	2.7	2.4	2.1	2.0	1.9	1.8	1.5	1.6	2.3	1.9	1.8	1.9	1.9	2.0
Other cause	2.3	2.1	2.0	1.9	1.9	1.8	1.5	1.6	2.1	2.0	2.1	1.8	1.7	1.7
First transplant	1.6	1.4	1.3	1.2	1.2	1.1	0.9	1.0	1.4	1.2	1.2	1.1	1.1	1.0
Subsequent transplants	5.6	6.8	5.3	4.4	3.2	3.3	2.4	2.8	4.2	4.1	4.6	4.0	3.3	3.6
All	1.5	1.4	1.3	1.2	1.2	1.0	0.8	0.9	1.3	1.1	1.1	1.0	1.0	1.0

Table F.23
Standard errors

UNADJUSTED	1994	1995	1996	1997	1998	1999	2000
<1	.	8.3	18.8	.	9.0	.	18.75
1-4	14.2	9.0	8.0	7.1	10.0	7.1	8
5-9	8.3	8.4	7.5	8.1	6.1	4.99	9.34
10-14	4.0	6.9	6.0	7.0	5.4	5.2	9.01
15-19	5.0	5.5	4.8	4.9	5.9	5.53	5.76
20-29	2.1	2.2	2.3	2.2	2.5	2.23	2.34
30-39	1.9	1.6	1.8	1.7	1.7	1.91	1.66
40-49	1.9	1.7	1.8	1.7	1.7	1.65	1.47
50-59	2.0	2.1	1.8	1.8	1.7	1.46	1.41
60-64	5.8	4.0	3.0	2.7	2.6	2.02	2.35
65-69	2.5	3.6	3.4	2.5	3.4	3.16	1.94
70-79	.	7.6	6.7	6.1	5.6	3.37	4.72
80+	.	.	.	.	.	.	.
Male	1.2	1.1	1.1	1.1	1.1	0.99	0.97
Female	1.4	1.4	1.3	1.3	1.4	1.28	1.15
White	1.0	0.9	0.9	0.9	0.9	0.84	0.81
African American	2.7	2.6	2.5	2.3	2.3	2.27	2.07
Other race	3.1	3.7	3.8	3.6	3.2	2.67	3.14
†Hispanic			2.4	2.0	2.0	1.83	1.8
†Non-Hispanic			0.9	0.9	0.9	0.87	0.82
Diabetes	1.9	1.6	1.7	1.5	1.5	1.51	1.42
Hypertension	2.3	2.3	2.2	2.1	2.4	2.19	1.76
Glomerulonephritis	1.8	1.6	1.6	1.6	1.6	1.57	1.59
Other cause	1.6	1.5	1.5	1.5	1.5	1.24	1.22
First transplant	1.0	0.9	0.9	0.9	0.9	0.83	0.77
Subsequent transplants	3.4	2.8	3.0	3.1	2.7	2.61	2.57
All	0.9	0.9	0.9	0.8	0.9	0.79	0.74

Table F.24

Ten-year probability of graft failure necessitating dialysis or retransplantation: all living donor transplants*by age, gender, race, ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<1	*	25.0	50.0	66.7	57.1	60.0	*	75.0	41.7	16.7	20.0	22.2	58.3	14.3	33.3	29.3
1-4	75.0	37.5	79.2	49.5	54.2	50.0	38.1	27.1	41.7	14.3	27.3	43.5	23.1	29.3	37.5	35.7
5-9	44.3	49.6	69.2	69.3	54.2	47.6	52.2	56.9	74.3	45.5	32.0	34.5	52.6	51.5	39.7	41.6
10-14	49.5	63.1	51.5	58.6	60.4	56.2	59.6	50.0	54.7	40.3	65.1	45.6	48.8	51.3	37.4	52.5
15-19	44.6	43.8	51.7	51.6	42.7	58.8	41.2	47.2	52.0	41.9	65.3	44.5	48.3	55.7	54.7	47.2
20-29	33.8	35.3	41.5	35.7	39.1	35.2	42.0	40.2	36.8	39.2	39.8	36.5	42.4	38.8	42.8	39.1
30-39	24.7	34.2	31.2	29.8	33.9	37.6	31.0	30.2	33.7	29.6	33.2	29.6	37.6	33.3	33.9	31.9
40-49	30.6	31.4	25.4	24.5	30.6	24.2	23.1	29.2	25.2	22.7	31.0	29.4	25.7	28.0	33.6	28.5
50-59	24.9	31.2	21.4	16.5	23.8	19.5	17.2	21.6	28.2	29.0	29.1	29.1	23.6	27.4	25.6	29.3
60-64	.	33.3	*	*	20.6	10.0	7.4	35.2	17.0	15.9	21.9	25.7	12.2	32.1	41.8	26.6
65-69	*	*	*	20.0	33.3	22.9	11.1	24.7	14.3	*	24.3	13.1	18.0	15.0	10.7	19.9
70-79	.	.	.	*	*	*	14.3	20.0	.	.	*	*	*	31.4	*	14.6
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	35.0	36.4	37.2	34.4	36.1	32.4	29.3	32.1	38.0	30.1	34.6	29.4	35.5	30.6	34.9	31.5
Female	29.6	36.7	35.7	31.6	35.1	34.1	31.2	33.7	31.7	34.3	39.0	36.8	33.8	38.7	36.9	34.5
White	31.7	34.6	35.5	31.7	33.4	30.6	27.4	30.6	32.7	29.7	34.2	30.2	32.1	31.2	33.4	29.3
African American	45.8	50.4	46.6	44.0	51.7	49.7	45.3	45.5	56.9	46.9	54.7	51.6	51.6	46.7	51.2	51.0
Other race	6.7	41.9	21.8	29.1	30.2	24.1	31.4	27.5	28.9	27.2	34.7	16.9	31.5	38.9	22.9	28.2
†Hispanic																
†Non-Hispanic																
Diabetes	25.8	35.6	33.8	32.7	38.4	30.8	29.7	32.8	32.6	28.2	35.2	30.1	33.0	32.3	34.4	28.9
Hypertension	27.7	32.8	37.3	37.6	39.8	37.3	32.1	38.1	48.3	44.6	39.5	44.7	44.7	34.0	40.3	38.8
Glomerulonephritis	38.3	39.6	39.0	33.6	36.7	35.1	31.5	32.6	39.2	33.1	35.8	32.2	35.8	37.9	36.6	35.3
Other cause	31.2	35.0	35.0	31.7	32.0	30.8	28.1	30.9	29.3	27.7	37.5	30.3	30.3	31.7	33.4	29.5
First transplant	33.1	36.9	36.3	33.3	36.8	32.7	29.0	32.1	35.5	31.1	35.4	31.9	34.3	33.5	34.9	32.4
Subsequent transplants	26.9	29.5	42.7	33.0	25.1	36.4	38.5	38.7	35.2	40.5	49.3	39.4	39.8	39.8	44.0	36.0
All	32.8	36.6	36.7	33.3	35.7	33.0	30.1	32.8	35.5	31.8	36.5	32.6	34.8	34.0	35.8	32.8
ADJUSTED																
0-19	51.7	52.4	60.2	59.3	54.6	59.9	49.1	51.6	58.0	41.4	59.2	46.5	51.6	52.1	51.2	49.7
20-44	32.2	36.6	36.4	33.0	37.1	35.0	34.1	34.1	34.6	33.3	36.1	33.3	38.1	34.7	36.9	34.3
45-64	29.3	33.4	22.3	18.2	25.6	21.2	18.7	26.4	28.5	28.0	33.8	28.3	23.6	28.5	31.9	27.9
65-74	.	.	.	16.5	23.6	22.6	13.9	27.4	17.7	.	35.0	12.1	18.7	19.0	8.0	16.3
75+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31.2
Male	32.4	33.6	34.0	31.6	34.0	31.4	28.2	30.7	35.5	28.0	33.2	27.9	34.1	29.3	33.3	31.3
Female	27.8	34.0	33.2	29.7	32.9	32.5	31.3	32.9	29.5	32.2	37.2	34.4	32.3	36.8	35.9	33.0
White	28.7	31.4	32.6	29.1	31.3	29.3	26.5	29.8	30.1	27.5	32.3	28.1	30.6	29.9	32.1	28.7
African American	40.6	44.4	41.8	40.5	45.4	46.3	43.0	42.4	50.5	41.1	47.9	47.2	48.1	44.3	47.4	48.4
Other race	7.6	39.9	22.2	27.4	26.7	22.5	31.7	25.8	27.7	23.5	34.1	14.6	29.8	37.5	22.5	27.8
Diabetes	27.8	37.3	35.2	33.5	40.1	33.1	31.8	35.0	34.7	30.4	37.4	32.7	34.8	34.3	36.4	31.0
Hypertension	24.9	29.2	32.4	34.9	37.3	34.3	30.5	35.8	43.0	40.8	38.8	41.5	42.7	33.2	38.7	37.8
Glomerulonephritis	35.4	37.0	36.4	31.3	34.0	33.7	30.6	30.6	37.2	30.6	34.3	30.4	34.2	35.5	35.6	34.3
Other cause	26.4	29.6	30.4	27.5	28.8	29.1	27.1	29.7	24.8	24.3	33.1	25.8	27.6	28.7	30.2	27.7
First transplant	30.5	34.0	33.4	30.8	34.8	31.7	28.7	31.3	33.2	29.2	33.9	30.2	33.0	32.0	33.5	31.8
Subsequent transplants	26.9	27.7	39.6	31.2	23.8	34.6	36.4	35.9	32.9	36.6	46.1	36.6	37.7	37.9	42.5	35.3
All	30.6	34.0	33.9	31.0	33.7	32.0	29.5	31.7	33.2	29.8	35.0	30.8	33.5	32.6	34.5	32.2

Table F.24
Standard errors

UNADJUSTED	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<1	.	18.8	25.0	20.0	16.6	18.5	.	13.2	16.9	10.3	16.0	13.0	18.7	9.0	22.2	13.5
1-4	16.3	15.8	10.9	12.9	14.0	13.6	12.8	10.1	15.0	12.2	12.7	11.7	11.2	11.8	15.8	12.2
5-9	11.3	11.9	8.9	10.6	9.8	10.5	10.0	9.4	11.0	10.3	10.5	8.6	9.4	10.5	12.1	10.4
10-14	7.8	7.7	7.4	6.7	6.4	7.0	8.1	8.0	7.7	7.7	9.4	7.2	7.5	7.9	7.5	8.2
15-19	6.5	4.9	4.9	4.7	5.4	5.7	5.2	5.2	5.6	5.9	5.4	5.6	5.8	5.7	5.6	5.8
20-29	2.9	3.0	2.6	2.6	2.7	2.6	2.5	2.6	2.8	2.9	2.6	2.6	2.8	2.5	2.5	2.6
30-39	3.2	2.9	2.7	2.5	2.5	2.4	2.1	2.2	2.8	2.6	2.6	2.4	2.5	2.4	2.3	2.2
40-49	4.4	4.2	3.3	3.0	3.3	2.5	2.2	2.4	3.5	3.1	3.1	2.9	2.6	2.6	2.5	2.3
50-59	7.6	5.6	3.9	3.5	3.7	3.2	2.4	2.6	4.8	4.2	4.4	3.9	3.6	3.1	3.0	2.9
60-64	.	22.2	.	.	7.4	4.7	3.5	6.5	10.8	7.4	12.3	7.4	5.1	7.0	7.6	5.3
65-69	.	.	.	16.0	22.2	13.5	6.0	8.7	12.2	.	11.8	8.4	6.7	6.8	5.9	6.2
70-79	.	.	.	.	.	.	12.2	16.0	.	.	.	.	.	16.9	.	7.6
80+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Male	2.3	2.1	1.8	1.8	1.7	1.6	1.4	1.5	2.0	1.8	1.9	1.7	1.7	1.6	1.6	1.5
Female	2.7	2.6	2.4	2.1	2.2	2.0	1.8	1.8	2.4	2.3	2.2	2.0	2.0	1.9	1.9	1.8
White	1.9	1.7	1.6	1.5	1.5	1.4	1.2	1.3	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.2
African American	5.6	5.0	4.1	3.8	3.9	3.5	3.2	3.2	4.5	4.4	4.3	3.7	3.7	3.2	3.1	3.0
Other race	6.2	8.1	7.2	7.4	6.7	5.8	5.3	5.2	7.7	6.4	7.4	5.1	6.7	6.6	4.6	4.9
†Hispanic																
†Non-Hispanic																
Diabetes	4.8	4.8	3.8	3.4	3.5	2.9	2.5	2.7	3.3	3.0	3.1	2.7	2.9	2.7	2.7	2.5
Hypertension	5.5	4.8	4.1	4.0	3.8	3.6	3.0	3.2	5.0	4.4	4.5	3.8	3.5	3.1	2.9	2.9
Glomerulonephritis	3.1	2.7	2.3	2.2	2.3	2.2	1.9	2.0	2.6	2.4	2.3	2.3	2.3	2.3	2.1	2.0
Other cause	2.6	2.5	2.4	2.3	2.2	2.1	1.9	1.9	2.5	2.5	2.5	2.2	2.2	2.1	2.2	2.0
First transplant	1.8	1.7	1.5	1.4	1.4	1.3	1.2	1.2	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
Subsequent transplants	6.9	7.4	6.1	5.1	3.9	4.2	3.5	3.9	4.9	5.5	5.1	4.4	4.5	4.3	3.9	3.6
All	1.8	1.6	1.4	1.4	1.4	1.3	1.1	1.2	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1

Table F.25

Risk factors for graft failure: deceased donor transplants, 2000-2005

	Percent of patients	All-cause graft failure		
		Haz. ratio	95% CI	P-value
Transplant era (reference: 2000-2002, 45.1% of patients)				
2003-2005	54.9	0.87	(0.82-0.92)	<.0001
Recipient age (years) (reference: 18-34, 12.5% of patients)				
0-17	2.5	1.42	(1.17-1.71)	0.0003
35-49	28.7	0.89	(0.82-0.97)	0.0067
50-64	40.4	1.05	(0.97-1.14)	0.2623
65+	16.0	1.46	(1.33-1.61)	<.0001
Recipient gender (reference: female, 39.3% of patients)				
Male	60.7	1.07	(1.01-1.12)	0.0126
Recipient race (reference: white, 58.9% of patients)				
African American	33.6	1.13	(1.06-1.19)	<.0001
Asian	5.3	0.74	(0.65-0.84)	<.0001
Other/Unknown	2.2	0.89	(0.75-1.07)	0.2105
Recipient ethnicity (reference: non-Hispanic, 85.7% of patients)				
Hispanic	14.3	0.74	(0.69-0.81)	<.0001
Primary cause of ESRD (reference: glomerulonephritis, 22.9% of patients)				
Diabetes	27.2	1.27	(1.18-1.36)	<.0001
Hypertension	23.2	1.13	(1.05-1.21)	0.0007
Cystic kidney disease	8.0	0.73	(0.66-0.82)	<.0001
Other	18.7	1.08	(1.00-1.17)	0.0413
Pre-transplant hepatitis B & C serology (reference: negative/unknown)				
Hep. B Core Ab+	8.8	0.94	(0.86-1.02)	0.1335
Hep. B Surface Ag+	2.2	1.09	(0.92-1.28)	0.3147
Hep. C Ab+	6.3	1.42	(1.30-1.55)	<.0001
Education level (reference: <college, 66.9% of patients)				
College+	13.1	0.92	(0.85-0.99)	0.0266
Unknown	20.0	1.03	(0.97-1.09)	0.4100
Employment status (reference: unable to work, 27.2% of patients)				
Able to work	37.2	0.81	(0.76-0.85)	<.0001
Unknown	35.6	0.91	(0.85-0.97)	0.0064
Primary payor (reference: non-Medicare, 21.4% of patients)				
Medicare	78.6	1.02	(0.96-1.09)	0.5458
Prior dialysis time (years) (reference: <1, 7.7% of patients)				
None (preemptive)	3.1	0.97	(0.81-1.17)	0.7588
1-<2	15.0	1.12	(1.00-1.25)	0.0514
2-<3	17.7	1.15	(1.03-1.28)	0.0108
3+	56.3	1.28	(1.15-1.41)	<.0001
Unknown	0.2	0.64	(0.32-1.28)	0.2035
Donor age (years) (reference: 18-34, 28.3% of patients)				
0-17	14.0	1.15	(1.05-1.26)	0.0022
35-49	28.9	1.22	(1.13-1.31)	<.0001
50-64	24.6	1.39	(1.27-1.52)	<.0001
65+	4.2	1.63	(1.42-1.87)	<.0001
Unknown	0.0	2.48	(0.33-18.42)	0.3746
Donor gender (reference: female, 41.1% of patients)				
Male	58.9	0.91	(0.87-0.96)	0.0003
Donor race (reference: white, 80.6% of patients)				
African American	12.0	1.17	(1.09-1.25)	<.0001
Asian	1.7	1.03	(0.85-1.24)	0.8000
Other/Unknown	5.7	1.03	(0.90-1.17)	0.7125
Donor cause of death (reference: non-trauma, 50.8% of patients)				
Trauma	49.2	0.92	(0.87-0.97)	0.0042

Table F.25

Risk factors for graft failure: deceased donor transplants, 2000-2005

	Percent of patients	All-cause graft failure		
		Haz. ratio	95% CI	P-value
HLA mismatches (reference: 3, 15.3% of patients)				
0	11.8	0.88	(0.80-0.97)	0.0120
1	2.0	1.00	(0.85-1.18)	0.9899
2	6.1	0.95	(0.85-1.06)	0.3325
4	24.5	1.07	(0.99-1.15)	0.1019
5	25.7	1.11	(1.03-1.19)	0.0082
6	12.9	1.23	(1.13-1.34)	<.0001
Unknown	1.7	0.94	(0.79-1.12)	0.4775
Cold ischemia time (hours) (reference: 0-12, 22.0% of patients)				
13-24	46.6	1.07	(1.00-1.14)	0.0446
25-36	15.6	1.12	(1.04-1.21)	0.0041
37+	2.3	1.28	(1.11-1.48)	0.0006
Unknown	13.5	1.04	(0.96-1.13)	0.3477
Donor documented history of:				
Diabetes	4.8	1.19	(1.08-1.31)	0.0006
Hypertension	22.1	1.13	(1.05-1.20)	0.0004
Expanded Criteria Donor (reference: non-ECD, 82.7% of patients)				
ECD	18.0	1.15	(1.04-1.27)	0.0050
Body surface area matching (reference: R&D, 86.2% of patients)				
R 1.6-2.2 m ² , D<1.6m ²	10.4	1.09	(1.00-1.19)	0.0421
R>2.2m ² , D<1.6m ²	1.5	1.31	(1.09-1.56)	0.0031
Unknown	1.9	0.83	(0.57-1.22)	0.3471
Recipient body mass index (BMI) (reference: 18.5-24.9 kg/m ² , 34.1% of patients)				
<18.5 kg/m ²	3.6	1.05	(0.91-1.20)	0.5179
25.0-29.9 kg/m ²	33.2	1.02	(0.96-1.08)	0.6184
30.0-34.9 kg/m ²	19.0	1.09	(1.02-1.17)	0.0113
≥35.0 kg/m ²	8.6	1.21	(1.11-1.32)	<.0001
Unknown	1.5	1.22	(0.81-1.86)	0.3435
PRA (reference: ≤50%, 95.5% of patients)				
>50%	4.5	1.25	(1.11-1.40)	0.0002
CMV serology (reference: donor-/recipient-, 14.7% of patients)				
Donor-/Recipient+	22.6	1.06	(0.98-1.15)	0.1387
Donor+/Recipient+	40.3	1.06	(0.99-1.15)	0.1065
Donor+/Recipient-	22.5	1.07	(0.99-1.16)	0.0803
Baseline Immunosuppressive Regimen (reference: Tacrolimus & MMF, 49.0% of patients)				
Cyclosporine Microemulsion & MMF	21.3	1.16	(1.09-1.24)	<.0001
Tacrolimus	5.1	1.33	(1.18-1.49)	<.0001
None listed	4.1	6.09	(5.62-6.60)	<.0001
Tacrolimus & Rapamycin	4.6	1.51	(1.36-1.68)	<.0001
Other	15.9	1.56	(1.46-1.66)	<.0001

Table F.25

Risk factors for graft failure: deceased donor t

	Return to dialysis / preemptive retransplant			Death with function		
	Haz. ratio	95% CI	P-value	Haz. ratio	95% CI	P-value
Transplant era (reference: 2000-2002, 45.1% of patients)						
2003-2005	0.89	(0.83-0.97)	0.0045	0.84	(0.77-0.92)	0.0001
Recipient age (years) (reference: 18-34, 12.5% of patients)						
0-17	1.54	(1.25-1.89)	<.0001	1.07	(0.65-1.77)	0.7964
35-49	0.73	(0.67-0.81)	<.0001	1.82	(1.49-2.22)	<.0001
50-64	0.59	(0.54-0.66)	<.0001	3.56	(2.95-4.30)	<.0001
65+	0.59	(0.52-0.67)	<.0001	6.27	(5.15-7.64)	<.0001
Recipient gender (reference: female, 39.3% of patients)						
Male	0.95	(0.89-1.02)	0.1668	1.22	(1.13-1.32)	<.0001
Recipient race (reference: white, 58.9% of patients)						
African American	1.39	(1.28-1.50)	<.0001	0.84	(0.77-0.92)	0.0002
Asian	0.72	(0.60-0.87)	0.0005	0.76	(0.63-0.91)	0.0033
Other/Unknown	0.95	(0.74-1.22)	0.6948	0.82	(0.63-1.06)	0.1203
Recipient ethnicity (reference: non-Hispanic, 85.7% of patients)						
Hispanic	0.83	(0.74-0.92)	0.0005	0.65	(0.58-0.74)	<.0001
Primary cause of ESRD (reference: glomerulonephritis, 22.9% of pa)						
Diabetes	0.86	(0.78-0.95)	0.0023	2.04	(1.83-2.28)	<.0001
Hypertension	0.96	(0.88-1.05)	0.3725	1.50	(1.33-1.69)	<.0001
Cystic kidney disease	0.71	(0.61-0.83)	<.0001	0.84	(0.70-1.00)	0.0495
Other	0.94	(0.85-1.03)	0.1961	1.42	(1.25-1.61)	<.0001
Pre-transplant hepatitis B & C serology (reference: negative/unkno)						
Hep. B Core Ab+	0.95	(0.85-1.07)	0.3975	0.92	(0.81-1.05)	0.2176
Hep. B Surface Ag+	0.93	(0.74-1.17)	0.5304	1.31	(1.04-1.63)	0.0196
Hep. C Ab+	1.40	(1.24-1.57)	<.0001	1.47	(1.28-1.68)	<.0001
Education level (reference: <college, 66.9% of patients)						
College+	0.93	(0.83-1.03)	0.1555	0.89	(0.80-1.00)	0.0443
Unknown	1.05	(0.97-1.14)	0.2412	0.99	(0.91-1.08)	0.8070
Employment status (reference: unable to work, 27.2% of patients)						
Able to work	0.85	(0.79-0.92)	<.0001	0.75	(0.69-0.82)	<.0001
Unknown	0.88	(0.81-0.96)	0.0056	0.95	(0.86-1.05)	0.2769
Primary payor (reference: non-Medicare, 21.4% of patients)						
Medicare	1.12	(1.03-1.22)	0.0094	0.91	(0.83-1.00)	0.0397
Prior dialysis time (years) (reference: <1, 7.7% of patients)						
None (preemptive)	0.90	(0.68-1.19)	0.4535	1.02	(0.80-1.31)	0.8596
1-<2	1.16	(1.00-1.36)	0.0544	1.07	(0.91-1.25)	0.4110
2-<3	1.19	(1.02-1.38)	0.0263	1.11	(0.95-1.30)	0.1786
3+	1.21	(1.05-1.39)	0.0099	1.38	(1.19-1.59)	<.0001
Unknown	0.70	(0.26-1.89)	0.4865	0.57	(0.21-1.54)	0.2663
Donor age (years) (reference: 18-34, 28.3% of patients)						
0-17	1.21	(1.07-1.36)	0.0020	1.10	(0.96-1.25)	0.1760
35-49	1.27	(1.15-1.40)	<.0001	1.17	(1.05-1.30)	0.0035
50-64	1.53	(1.35-1.73)	<.0001	1.25	(1.09-1.42)	0.0010
65+	1.90	(1.58-2.30)	<.0001	1.43	(1.17-1.76)	0.0005
Unknown	5.12	(0.67-39.36)	0.1167	.	.	.
Donor gender (reference: female, 41.1% of patients)						
Male	0.88	(0.82-0.94)	0.0002	0.95	(0.88-1.03)	0.2104
Donor race (reference: white, 80.6% of patients)						
African American	1.29	(1.18-1.41)	<.0001	1.01	(0.90-1.13)	0.9195
Asian	1.02	(0.79-1.31)	0.8951	1.03	(0.78-1.37)	0.8351
Other/Unknown	1.12	(0.93-1.34)	0.2297	0.93	(0.76-1.14)	0.4892
Donor cause of death (reference: non-trauma, 50.8% of patients)						
Trauma	0.87	(0.81-0.94)	0.0007	0.98	(0.90-1.07)	0.6227

Table F.25

Risk factors for graft failure: deceased donor t

	Return to dialysis / preemptive retransplant			Death with function		
	Haz. ratio	95% CI	P-value	Haz. ratio	95% CI	P-value
HLA mismatches (reference: 3, 15.3% of patients)						
0	0.81	(0.70-0.93)	0.0033	0.94	(0.82-1.08)	0.4032
1	0.78	(0.60-1.01)	0.0547	1.24	(1.00-1.53)	0.0561
2	0.90	(0.77-1.05)	0.1857	0.99	(0.85-1.15)	0.8867
4	1.05	(0.94-1.16)	0.3956	1.10	(0.98-1.22)	0.1102
5	1.16	(1.05-1.29)	0.0033	1.04	(0.93-1.17)	0.4549
6	1.33	(1.19-1.49)	<.0001	1.12	(0.98-1.27)	0.0995
Unknown	0.83	(0.65-1.05)	0.1207	1.10	(0.86-1.40)	0.4479
Cold ischemia time (hours) (reference: 0-12, 22.0% of patients)						
13-24	1.17	(1.07-1.28)	0.0006	0.96	(0.88-1.05)	0.3950
25-36	1.22	(1.10-1.36)	0.0003	1.02	(0.90-1.14)	0.8008
37+	1.51	(1.26-1.82)	<.0001	1.05	(0.84-1.31)	0.6800
Unknown	1.04	(0.92-1.16)	0.5517	1.04	(0.92-1.17)	0.5585
Donor documented history of:						
Diabetes	1.16	(1.02-1.32)	0.0291	1.23	(1.07-1.43)	0.0043
Hypertension	1.14	(1.04-1.25)	0.0038	1.10	(1.00-1.22)	0.0538
Expanded Criteria Donor (reference: non-ECD, 82.7% of patients)						
ECD	1.27	(1.11-1.45)	0.0004	1.05	(0.91-1.22)	0.4786
Body surface area matching (reference: R&D, 86.2% of patients)						
R 1.6-2.2 m2, D<1.6m2	1.14	(1.02-1.28)	0.0170	1.02	(0.89-1.15)	0.8219
R>2.2m2, D<1.6m2	1.32	(1.04-1.68)	0.0207	1.29	(0.99-1.68)	0.0609
Unknown	0.77	(0.46-1.29)	0.3239	0.89	(0.50-1.57)	0.6758
Recipient body mass index (BMI)						
(reference: 18.5-24.9 kg/m2, 34.1% of patients)						
<18.5 kg/m2	0.98	(0.82-1.17)	0.8451	1.19	(0.96-1.47)	0.1210
25.0-29.9 kg/m2	1.05	(0.97-1.13)	0.2714	0.97	(0.89-1.05)	0.4482
30.0-34.9 kg/m2	1.19	(1.09-1.31)	0.0001	0.97	(0.87-1.07)	0.5067
≥35.0 kg/m2	1.27	(1.13-1.43)	<.0001	1.12	(0.98-1.28)	0.1057
Unknown	1.40	(0.80-2.45)	0.2386	1.03	(0.55-1.94)	0.9194
PRA (reference: ≤50%, 95.5% of patients)						
>50%	1.28	(1.10-1.49)	0.0017	1.21	(1.01-1.44)	0.0371
CMV serology (reference: donor-/recipient-, 14.7% of patients)						
Donor-/Recipient+	1.10	(0.98-1.22)	0.1094	1.02	(0.91-1.15)	0.7277
Donor+/Recipient+	1.11	(1.00-1.23)	0.0436	1.01	(0.90-1.13)	0.8508
Donor+/Recipient-	1.07	(0.96-1.20)	0.2091	1.08	(0.96-1.21)	0.2236
Baseline Immunosuppressive Regimen						
(reference: Tacrolimus & MMF, 49.0% of patients)						
Cyclosporine Microemulsion & MMF	1.11	(1.02-1.22)	0.0202	1.20	(1.09-1.31)	0.0001
Tacrolimus	1.49	(1.28-1.73)	<.0001	1.14	(0.95-1.36)	0.1508
None listed	7.49	(6.75-8.30)	<.0001	4.54	(3.97-5.18)	<.0001
Tacrolimus & Rapamycin	1.64	(1.43-1.88)	<.0001	1.34	(1.14-1.58)	0.0005
Other	1.66	(1.52-1.82)	<.0001	1.44	(1.31-1.59)	<.0001

Table F.26

Risk factors for graft failure: living donor transplants, 2000-2005

	Percent of patients	All-cause graft failure		
		Haz. ratio	95% CI	P-value
Transplant era (reference: 2000-2002, 44.6% of patients)				
2003-2005	55.4	0.85	(0.76-0.94)	0.0021
Donor relationship (reference: related, 61.9% of patients)				
Distant/unrelated	38.1	1.03	(0.92-1.16)	0.5703
Unknown	0.0	.	.	.
Recipient age (years) (reference: 18-34, 21.0% of patients)				
0-17	4.5	1.36	(1.07-1.71)	0.0106
35-49	28.5	0.84	(0.74-0.96)	0.0094
50-64	32.3	1.01	(0.89-1.14)	0.9257
65+	13.8	1.21	(1.03-1.42)	0.0177
Recipient gender (reference: female, 41.2% of patients)				
Male	58.8	0.98	(0.90-1.08)	0.7216
Recipient race (reference: white, 76.4% of patients)				
African American	17.7	1.22	(0.97-1.53)	0.0900
Asian	3.9	0.53	(0.34-0.81)	0.0038
Other/Unknown	2.1	0.88	(0.61-1.27)	0.5013
Recipient ethnicity (reference: non-Hispanic, 85.4% of patients)				
Hispanic	14.6	0.77	(0.67-0.88)	0.0002
Primary cause of ESRD (reference: glomerulonephritis, 25.4% of patients)				
Diabetes	25.3	1.23	(1.09-1.39)	0.0008
Hypertension	16.9	0.98	(0.85-1.12)	0.7441
Cystic kidney disease	7.7	0.64	(0.51-0.79)	<.0001
Other	24.6	1.04	(0.92-1.18)	0.5085
Pre-transplant hepatitis B & C serology (reference: negative/unknown)				
Hep. B Core Ab+	5.8	0.87	(0.72-1.05)	0.1536
Hep. B Surface Ag+	1.7	1.29	(0.94-1.77)	0.1152
Hep. C Ab+	3.0	1.44	(1.16-1.79)	0.0011
Education level (reference: <college, 65.2% of patients)				
College+	16.5	0.85	(0.75-0.97)	0.0188
Unknown	18.3	0.98	(0.87-1.10)	0.7148
Employment status (reference: unable to work, 22.7% of patients)				
Able to work	45.4	0.81	(0.73-0.90)	0.0001
Unknown	32.0	0.93	(0.82-1.05)	0.2411
Primary payor (reference: non-Medicare, 40.0% of patients)				
Medicare	60.0	1.06	(0.96-1.17)	0.2580
Prior dialysis time (years) (reference: <1, 30.5% of patients)				
None (preemptive)	14.1	0.72	(0.61-0.86)	0.0002
1-<2	24.6	1.12	(0.99-1.25)	0.0661
2-<3	12.3	1.25	(1.09-1.44)	0.0017
3+	17.8	1.32	(1.16-1.51)	<.0001
Unknown	0.6	0.67	(0.36-1.25)	0.2094
Donor age (years) (reference: <35, 33.6% of patients)				
35-49	47.1	1.24	(1.11-1.37)	<.0001
50-64	18.3	1.32	(1.16-1.50)	<.0001
65+	1.0	1.58	(1.08-2.32)	0.0189
Unknown	0.0			
Donor gender (reference: female, 59.5% of patients)				
Male	40.5	0.87	(0.79-0.95)	0.0018
Donor race (reference: white, 75.7% of patients)				
African American	15.4	1.02	(0.80-1.29)	0.8922
Asian	2.5	0.74	(0.42-1.30)	0.2942
Other/Unknown	6.3	1.07	(0.82-1.39)	0.6078

Table F.26

Risk factors for graft failure: living donor transplants, 2000-2005

	Percent of patients	All-cause graft failure		
		Haz. ratio	95% CI	P-value
HLA mismatches (reference: 3, 30.2% of patients)				
0	8.8	0.60	(0.49-0.72)	<.0001
1	6.4	0.85	(0.70-1.03)	0.0868
2	19.4	0.91	(0.81-1.03)	0.1461
4	11.9	0.89	(0.75-1.04)	0.1406
5	14.4	1.21	(1.04-1.40)	0.0125
6	7.6	1.10	(0.92-1.33)	0.2899
Unknown	1.2	0.97	(0.68-1.40)	0.8759
Body surface area matching (reference: R&D, 79.8% of patients)				
R 1.6-2.2 m ² , D<1.6m ²	5.2	1.07	(0.88-1.30)	0.4896
R>2.2m ² , D<1.6m ²	0.5	1.25	(0.79-1.99)	0.3380
Unknown	14.5	1.04	(0.92-1.18)	0.5482
Recipient body mass index (BMI) (reference: 18.5-24.9 kg/m ² , 35.8% of patients)				
<18.5 kg/m ²	5.0	1.11	(0.89-1.37)	0.3539
25.0-29.9 kg/m ²	30.7	0.98	(0.88-1.09)	0.6978
30.0-34.9 kg/m ²	17.3	1.22	(1.08-1.38)	0.0017
≥35.0 kg/m ²	8.2	1.48	(1.27-1.72)	<.0001
Unknown	2.9	0.92	(0.70-1.22)	0.5643
PRA (reference: £50, 97.5% of patients)				
>50%	2.5	1.17	(0.90-1.53)	0.2460
CMV serology (reference: donor-/recipient-, 26.3% of patients)				
Donor-/Recipient+	23.3	1.19	(1.05-1.35)	0.0060
Donor+/Recipient-	34.6	1.08	(0.95-1.21)	0.2315
Donor+/Recipient+	15.9	1.10	(0.96-1.26)	0.1709
Baseline Immunosuppressive Regimen (reference: Tacrolimus & MMF, 49.1% of patients)				
Cyclosporine Microemulsion & MMF	22.3	1.03	(0.92-1.16)	0.6322
Tacrolimus	4.3	1.15	(0.92-1.44)	0.2088
None listed	3.7	5.56	(4.80-6.44)	<.0001
Tacrolimus & Rapamycin	5.4	1.13	(0.93-1.38)	0.2256
Other	15.2	1.55	(1.37-1.75)	<.0001

Table F.26

Risk factors for graft failure: living donor trans

	Return to dialysis / preemptive retransplant			Death with function		
	Haz. ratio	95% CI	P-value	Haz. ratio	95% CI	P-value
Transplant era (reference: 2000-2002, 44.6% of patients)						
2003-2005	0.84	(0.73-0.97)	0.0156	0.85	(0.72-1.00)	0.0505
Donor relationship (reference: related, 61.9% of patients)						
Distant/unrelated	1.09	(0.94-1.27)	0.2515	0.97	(0.80-1.16)	0.6997
Unknown	.	.	.	.	.	.
Recipient age (years) (reference: 18-34, 21.0% of patients)						
0-17	1.52	(1.17-1.97)	0.0016	1.03	(0.58-1.83)	0.9212
35-49	0.68	(0.59-0.80)	<.0001	1.79	(1.35-2.37)	<.0001
50-64	0.55	(0.47-0.65)	<.0001	3.43	(2.63-4.48)	<.0001
65+	0.41	(0.32-0.53)	<.0001	5.27	(3.94-7.04)	<.0001
Recipient gender (reference: female, 41.2% of patients)						
Male	0.88	(0.78-0.99)	0.0291	1.15	(1.00-1.33)	0.0461
Recipient race (reference: white, 76.4% of patients)						
African American	1.28	(0.97-1.70)	0.0865	1.10	(0.75-1.61)	0.6420
Asian	0.55	(0.31-0.96)	0.0357	0.52	(0.26-1.01)	0.0525
Other/Unknown	0.77	(0.47-1.26)	0.2985	1.09	(0.63-1.91)	0.7548
Recipient ethnicity (reference: non-Hispanic, 85.4% of patients)						
Hispanic	0.87	(0.73-1.04)	0.1348	0.62	(0.49-0.78)	<.0001
Primary cause of ESRD (reference: glomerulonephritis, 25.4% of pat)						
Diabetes	0.79	(0.67-0.93)	0.0056	2.26	(1.84-2.76)	<.0001
Hypertension	0.83	(0.70-0.99)	0.0337	1.40	(1.11-1.77)	0.0045
Cystic kidney disease	0.69	(0.53-0.91)	0.0079	0.63	(0.43-0.93)	0.0194
Other	0.86	(0.74-1.01)	0.0602	1.57	(1.26-1.97)	<.0001
Pre-transplant hepatitis B & C serology (reference: negative/unkno)						
Hep. B Core Ab+	0.80	(0.61-1.04)	0.0938	0.99	(0.74-1.31)	0.9319
Hep. B Surface Ag+	1.19	(0.77-1.83)	0.4418	1.40	(0.88-2.23)	0.1510
Hep. C Ab+	1.41	(1.04-1.90)	0.0255	1.48	(1.08-2.03)	0.0153
Education level (reference: <college, 65.2% of patients)						
College+	0.87	(0.73-1.04)	0.1241	0.83	(0.68-1.01)	0.0584
Unknown	1.03	(0.89-1.20)	0.7006	0.90	(0.76-1.08)	0.2545
Employment status (reference: unable to work, 22.7% of patients)						
Able to work	0.80	(0.70-0.92)	0.0015	0.81	(0.69-0.96)	0.0121
Unknown	0.86	(0.73-1.02)	0.0870	1.01	(0.83-1.23)	0.9030
Primary payor (reference: non-Medicare, 40.0% of patients)						
Medicare	1.09	(0.96-1.24)	0.2056	1.05	(0.90-1.22)	0.5574
Prior dialysis time (years) (reference: <1, 30.5% of patients)						
None (preemptive)	0.83	(0.67-1.03)	0.0933	0.62	(0.48-0.81)	0.0004
1-<2	1.09	(0.94-1.27)	0.2659	1.14	(0.95-1.36)	0.1571
2-<3	1.09	(0.90-1.33)	0.3581	1.47	(1.20-1.81)	0.0002
3+	1.15	(0.97-1.37)	0.1134	1.57	(1.29-1.92)	<.0001
Unknown	0.65	(0.27-1.58)	0.3409	0.77	(0.32-1.88)	0.5646
Donor age (years) (reference: <35, 33.6% of patients)						
35-49	1.14	(1.00-1.30)	0.0495	1.39	(1.18-1.64)	<.0001
50-64	1.31	(1.11-1.55)	0.0016	1.37	(1.12-1.68)	0.0025
65+	2.18	(1.28-3.70)	0.0040	1.27	(0.73-2.21)	0.4009
Unknown						
Donor gender (reference: female, 59.5% of patients)						
Male	0.86	(0.76-0.97)	0.0134	0.89	(0.77-1.02)	0.0843
Donor race (reference: white, 75.7% of patients)						
African American	1.19	(0.89-1.60)	0.2489	0.80	(0.53-1.20)	0.2783
Asian	0.63	(0.29-1.40)	0.2580	0.82	(0.37-1.81)	0.6180
Other/Unknown	1.33	(0.96-1.83)	0.0828	0.73	(0.46-1.15)	0.1749

Table F.26

Risk factors for graft failure: living donor trans

	Return to dialysis / preemptive retransplant			Death with function		
	Haz. ratio	95% CI	P-value	Haz. ratio	95% CI	P-value
HLA mismatches (reference: 3, 30.2% of patients)						
0	0.55	(0.43-0.71)	<.0001	0.65	(0.48-0.88)	0.0050
1	0.85	(0.66-1.09)	0.1916	0.82	(0.61-1.10)	0.1895
2	0.85	(0.72-1.00)	0.0520	0.99	(0.83-1.19)	0.9342
4	0.82	(0.66-1.02)	0.0769	0.98	(0.76-1.25)	0.8540
5	1.18	(0.97-1.42)	0.0993	1.23	(0.97-1.55)	0.0863
6	1.05	(0.83-1.34)	0.6832	1.17	(0.88-1.56)	0.2759
Unknown	0.98	(0.61-1.56)	0.9199	0.91	(0.51-1.62)	0.7377
Body surface area matching (reference: R&D, 79.8% of patients)						
R 1.6-2.2 m ² , D<1.6m ²	1.13	(0.87-1.45)	0.3621	1.01	(0.75-1.37)	0.9437
R>2.2m ² , D<1.6m ²	0.66	(0.29-1.49)	0.3203	2.04	(1.16-3.58)	0.0128
Unknown	1.05	(0.88-1.24)	0.6068	1.04	(0.85-1.26)	0.7275
Recipient body mass index (BMI) (reference: 18.5-24.9 kg/m ² , 35.8% of patients)						
<18.5 kg/m ²	0.96	(0.73-1.25)	0.7518	1.50	(1.05-2.15)	0.0271
25.0-29.9 kg/m ²	1.02	(0.88-1.18)	0.8011	0.91	(0.77-1.08)	0.2811
30.0-34.9 kg/m ²	1.27	(1.08-1.50)	0.0046	1.11	(0.92-1.34)	0.2882
≥35.0 kg/m ²	1.60	(1.32-1.95)	<.0001	1.25	(0.98-1.59)	0.0718
Unknown	0.76	(0.52-1.12)	0.1678	1.11	(0.75-1.66)	0.6002
PRA (reference: ≤50, 97.5% of patients)						
>50%	1.35	(0.98-1.87)	0.0679	0.91	(0.57-1.47)	0.7095
CMV serology (reference: donor-/recipient-, 26.3% of patients)						
Donor-/Recipient+	1.15	(0.97-1.36)	0.1068	1.23	(1.02-1.48)	0.0322
Donor+/Recipient-	1.09	(0.93-1.27)	0.2796	1.06	(0.88-1.28)	0.5183
Donor+/Recipient+	1.07	(0.90-1.28)	0.4535	1.15	(0.92-1.43)	0.2127
Baseline Immunosuppressive Regimen (reference: Tacrolimus & MMF, 49.1% of patients)						
Cyclosporine Microemulsion & MMF	0.95	(0.81-1.12)	0.5678	1.09	(0.92-1.28)	0.3261
Tacrolimus	1.43	(1.08-1.88)	0.0119	0.83	(0.57-1.22)	0.3402
None listed	7.92	(6.63-9.47)	<.0001	2.89	(2.18-3.83)	<.0001
Tacrolimus & Rapamycin	1.27	(0.99-1.64)	0.0622	0.95	(0.69-1.30)	0.7325
Other	1.65	(1.41-1.93)	<.0001	1.44	(1.20-1.73)	<.0001