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Table G.1
Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted
by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	78.6	86.0	85.8	86.9	90.3	88.8	90.7	92.4	93.0	92.3	92.8
18-34	85.4	88.2	88.8	88.2	88.6	91.2	91.6	93.5	93.6	93.3	93.7
35-49	85.9	88.1	88.4	89.4	90.3	90.7	91.8	93.5	93.5	93.4	94.5
50-64	86.5	86.2	87.6	87.5	89.0	90.3	90.9	91.7	92.0	91.5	93.1
65+	84.2	86.7	87.5	87.2	88.3	87.4	87.9	88.0	91.4	88.3	90.3
Male	86.3	87.9	88.2	89.0	90.5	90.7	91.1	93.3	93.2	92.5	93.8
Female	84.5	86.8	88.1	87.3	87.8	90.1	91.1	91.1	92.3	91.8	92.7
White	85.5	87.9	88.5	88.6	89.3	89.9	91.7	92.6	92.4	92.5	93.6
Black	85.3	86.0	87.0	87.2	89.5	91.1	89.5	91.6	93.1	91.1	92.4
Other	87.5	88.9	88.6	90.4	90.8	92.9	92.8	94.5	95.4	93.0	94.9
†Hispanic							93.3	93.5	94.6	92.8	95.5
†Non-Hispanic							90.9	92.3	92.6	92.1	93.1
Diabetes	84.8	87.2	87.5	90.1	89.8	90.8	92.0	92.3	92.9	92.6	93.8
Hypertension	86.6	87.6	86.5	88.4	89.4	90.8	91.2	91.7	93.3	92.5	91.5
Glomerulonephritis	84.8	87.7	89.2	87.0	89.5	90.7	91.2	93.7	92.7	92.7	93.8
Other	85.7	86.9	87.9	86.5	88.5	89.6	90.5	92.3	92.3	91.6	93.9
All	85.6	87.5	88.2	88.4	89.4	90.4	91.1	92.4	92.8	92.2	93.4
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	70.9	79.3	81.2	82.9	84.5	82.7	86.6	89.3	89.9	88.8	89.0
18-34	79.8	82.9	82.4	82.9	82.9	86.8	87.7	89.5	90.3	88.7	89.2
35-49	79.6	82.4	83.3	83.6	84.4	85.7	87.0	89.6	90.4	89.7	90.1
50-64	78.6	80.5	80.6	80.6	82.5	84.3	85.0	86.1	86.5	85.8	86.2
65+	74.0	79.4	82.6	75.1	78.4	79.9	81.1	79.9	82.4	80.9	82.8
Male	79.0	82.0	82.1	82.9	84.0	84.7	86.1	88.4	88.3	87.3	87.8
Female	78.5	81.4	82.4	80.8	81.9	85.6	85.9	86.6	88.4	87.3	87.6
White	79.1	82.6	82.8	82.7	83.2	84.8	86.9	88.3	88.4	88.2	88.9
Black	77.0	78.4	79.9	79.6	82.1	84.8	84.1	85.0	87.1	84.7	84.8
Other	82.1	86.0	85.3	84.8	87.4	88.5	85.7	92.3	92.4	89.4	88.9
†Hispanic							88.3	89.8	91.5	89.3	91.4
†Non-Hispanic							85.8	87.4	87.9	87.1	87.3
Diabetes	77.6	80.7	81.4	82.8	83.0	85.6	86.6	87.1	88.2	87.8	87.4
Hypertension	78.0	81.3	79.6	82.2	83.2	85.1	85.5	85.0	87.0	86.3	84.4
Glomerulonephritis	79.4	81.8	84.4	81.8	83.8	85.3	86.0	89.6	89.0	87.3	88.9
Other	79.2	82.0	82.2	80.4	82.1	83.9	86.0	88.2	88.4	88.0	89.9
All	78.8	81.8	82.2	82.1	83.2	85.0	86.1	87.7	88.3	87.3	87.7

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.1 (continued)
Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted
by age, gender, race, ethnicity, & primary diagnosis

TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	69.4	67.7	73.9	74.9	76.6	77.7	77.3	78.4	84.7	86.8	85.3
18-34	72.4	72.6	77.0	76.4	77.4	77.0	81.5	82.1	84.3	86.0	83.6
35-49	72.7	74.5	78.0	78.2	78.2	79.5	81.7	82.2	84.9	85.9	85.7
50-64	71.6	74.1	76.3	75.1	75.3	77.2	79.7	80.1	81.1	81.3	81.5
65+	67.2	70.0	72.8	75.5	69.4	72.0	73.3	75.0	73.5	76.6	73.8
Male	72.1	73.4	76.9	76.3	77.2	78.3	80.1	81.0	82.8	83.6	82.8
Female	71.8	73.5	76.9	77.1	75.7	76.9	80.8	80.6	82.4	83.6	82.7
White	74.6	74.7	78.7	78.2	78.3	78.9	81.2	82.5	84.1	84.7	84.5
Black	63.2	68.7	70.3	71.1	70.0	74.3	77.5	76.5	78.5	79.4	77.6
Other	76.1	77.3	81.6	80.7	83.0	82.0	84.9	83.3	85.6	88.3	86.2
†Hispanic								84.1	85.1	88.7	86.4
†Non-Hispanic								80.5	82.3	82.9	82.3
Diabetes	73.1	71.5	75.9	75.7	77.1	77.7	81.1	81.4	81.4	82.9	83.2
Hypertension	66.5	71.3	74.3	72.4	74.2	77.0	78.6	78.5	79.3	81.1	80.2
Glomerulonephritis	71.7	73.6	77.0	78.7	77.3	79.2	80.7	80.2	84.3	85.3	82.8
Other	72.6	75.3	77.7	77.9	76.3	75.9	80.1	82.3	84.4	84.3	84.1
All	72.0	73.4	76.9	76.6	76.6	77.8	80.3	80.9	82.6	83.6	82.8
THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	51.8	64.2	61.1	70.3	69.5	71.0	71.6	71.9	72.1	79.8	78.9
18-34	63.6	66.6	66.8	72.3	70.8	71.0	72.0	75.9	77.0	78.7	80.5
35-49	64.4	67.5	69.8	72.6	72.4	73.3	74.4	76.6	77.5	79.6	81.1
50-64	65.0	66.3	69.2	70.6	70.7	70.1	72.0	74.4	75.7	74.8	76.1
65+	54.6	60.7	61.9	67.1	67.6	63.2	66.5	66.5	68.8	64.6	69.7
Male	62.5	66.6	68.1	71.1	70.8	71.4	73.2	74.7	76.2	76.9	78.3
Female	64.8	66.5	68.3	72.5	71.8	70.9	71.6	75.5	75.7	76.6	78.1
White	66.2	69.8	70.1	74.4	73.4	73.5	74.6	76.7	78.3	79.3	79.8
Black	53.2	55.5	60.6	61.9	63.2	62.8	67.0	69.7	70.0	70.0	72.6
Other	70.4	71.5	74.4	77.2	76.7	78.1	76.7	80.7	78.7	80.1	84.6
†Hispanic									79.1	80.2	84.2
†Non-Hispanic									75.7	76.4	77.5
Diabetes	63.0	67.6	66.4	71.3	68.7	71.3	72.5	75.3	75.8	75.6	76.7
Hypertension	58.7	59.5	63.9	66.7	66.6	67.6	70.7	71.2	72.5	72.4	74.6
Glomerulonephritis	64.6	66.5	68.1	72.0	73.4	71.9	73.3	75.6	75.7	78.2	80.2
Other	63.1	67.7	70.6	72.8	73.9	71.7	71.7	75.8	78.6	78.9	80.3
All	63.4	66.6	68.2	71.6	71.2	71.2	72.6	75.0	76.0	76.8	78.2

Patients of unknown age, gender, race, or primary diagnosis are excluded.
 Age is calculated on the day of transplant.
 †CMS began collecting Hispanic ethnicity data in April 1995; cells for years prior to 1996 have therefore been left blank.

Table G.1 (continued)

Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	44.9	54.4	43.6	53.8	51.9	58.1	63.2	60.7	60.4	60.4	62.5
18-34	49.7	50.7	54.2	57.0	57.6	62.4	59.9	61.5	61.5	64.8	65.5
35-49	45.0	45.4	55.2	59.7	59.6	62.1	61.2	64.6	64.2	65.9	67.8
50-64	44.0	47.0	54.5	56.3	58.8	58.3	59.8	57.6	60.1	62.9	63.6
65+	35.5	40.2	45.9	52.7	48.4	51.9	52.3	47.2	50.9	52.2	54.6
Male	45.0	46.4	53.3	56.9	57.8	59.3	59.8	60.3	61.2	63.5	64.9
Female	48.4	49.8	54.8	58.6	58.6	62.4	60.6	61.4	62.0	63.9	64.9
White	50.9	51.2	57.4	61.6	61.0	64.4	63.3	63.8	64.2	66.3	68.2
Black	29.9	34.2	41.2	43.3	47.4	48.0	48.8	49.7	54.1	56.0	56.0
Other	56.3	58.8	61.9	65.4	65.3	64.2	67.5	68.7	66.6	71.6	70.0
†Hispanic											69.4
†Non-Hispanic											64.4
Diabetes	46.0	44.0	51.3	56.5	54.2	58.5	55.8	58.6	59.2	63.6	62.8
Hypertension	36.6	38.1	46.3	48.4	52.8	53.8	52.8	54.1	57.7	57.1	58.2
Glomerulonephritis	48.7	50.4	55.3	58.6	57.9	60.3	62.4	61.8	61.5	63.6	66.2
Other	48.0	50.1	55.0	58.9	61.4	64.2	64.7	63.6	63.1	65.7	69.3
All	46.2	47.7	53.9	57.6	58.1	60.5	60.1	60.7	61.5	63.7	64.9
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	32.2	34.6	40.4	42.2	29.2	31.5	34.9	29.9	39.2	38.2	39.6
18-34	33.2	33.7	35.4	31.9	35.8	33.5	35.7	38.0	38.9	38.6	41.6
35-49	22.7	25.3	25.4	25.8	27.4	27.5	28.5	35.4	38.8	38.3	39.0
50-64	18.7	17.4	17.3	20.6	18.1	23.2	25.8	31.4	32.4	33.1	32.3
65+	0.0	20.0	4.3	10.0	8.7	11.3	20.5	18.5	24.4	20.1	21.5
Male	26.5	26.4	27.9	26.5	27.4	27.7	29.3	33.4	36.0	35.5	36.0
Female	28.2	30.7	29.8	30.2	29.7	30.1	31.6	35.6	38.0	37.3	38.7
White	31.0	31.6	32.4	31.0	32.5	32.5	33.7	37.4	40.8	39.3	40.0
Black	12.4	15.3	14.0	14.9	14.5	14.5	16.1	20.6	22.0	24.7	25.7
Other	31.8	39.0	43.5	44.6	37.6	38.8	42.9	48.8	46.6	44.7	47.7
†Hispanic											
†Non-Hispanic											
Diabetes	23.0	25.2	23.0	21.0	22.2	22.2	23.7	25.2	29.4	28.6	28.7
Hypertension	19.0	19.0	20.0	19.1	17.2	17.9	21.6	25.0	25.2	29.8	28.2
Glomerulonephritis	27.7	30.3	34.3	30.1	35.0	33.5	32.3	36.4	38.6	36.6	38.5
Other	30.6	30.6	29.4	31.7	30.9	32.9	34.1	36.6	39.8	39.4	41.3
All	27.1	28.0	28.6	27.9	28.3	28.6	30.2	34.2	36.8	36.2	37.1

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.2

Graft Survival Probabilities: First Transplant, Cadaveric, Adjusted*by age, gender, race, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	78.8	86.4	85.5	87.0	91.1	90.0	91.5	93.2	93.7	92.7	93.5
18-34	85.1	88.2	88.8	88.1	88.8	91.5	91.7	93.6	93.8	93.5	93.9
35-49	85.9	88.1	88.3	89.4	90.5	91.0	91.9	93.6	93.6	93.3	94.6
50-64	86.3	86.0	87.5	87.4	89.1	90.5	90.9	91.8	92.1	91.5	93.1
65+	83.9	86.5	87.5	87.0	88.2	87.3	88.1	87.9	91.5	88.2	90.3
Male	85.8	87.6	87.9	88.9	90.6	90.8	91.2	93.5	93.4	92.6	94.1
Female	83.9	86.3	87.7	87.0	87.7	90.0	91.1	91.1	92.4	91.7	92.8
White	85.1	87.7	88.4	88.4	89.3	90.0	91.8	92.7	92.6	92.7	93.9
Black	85.5	86.2	87.1	87.4	89.7	91.4	89.6	91.8	93.4	91.3	92.6
Other	86.7	88.3	87.8	89.9	90.8	92.9	93.0	94.3	95.3	93.0	94.9
Diabetes	83.4	86.1	86.6	89.5	89.4	90.7	91.9	92.3	93.1	92.7	94.0
Hypertension	87.7	88.6	87.6	89.4	90.4	91.7	92.1	92.6	94.1	93.3	92.5
Glomerulonephritis	84.4	87.4	88.9	86.4	89.4	90.6	91.1	93.7	92.6	92.7	93.8
Other cause	84.8	86.1	87.2	85.8	88.1	89.3	90.3	92.2	92.1	91.4	93.9
All	85.0	87.1	87.8	88.1	89.5	90.5	91.2	92.5	93.0	92.3	93.5
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	71.3	79.9	80.9	83.1	85.9	84.4	87.7	89.9	91.0	89.4	90.0
18-34	79.5	82.8	82.4	82.6	83.2	87.0	87.9	89.6	90.4	89.0	89.5
35-49	79.6	82.3	83.3	83.6	84.7	86.0	87.2	89.6	90.4	89.6	90.2
50-64	78.2	80.2	80.3	80.5	82.6	84.3	85.0	86.2	86.6	85.8	86.3
65+	73.5	79.1	82.3	74.8	78.3	79.8	80.9	79.8	82.4	80.9	82.9
Male	78.4	81.5	81.8	82.6	84.1	84.8	86.3	88.5	88.5	87.6	88.3
Female	77.6	80.7	81.8	80.2	81.7	85.5	85.9	86.4	88.4	87.3	87.8
White	78.5	82.2	82.5	82.4	83.1	84.8	87.0	88.4	88.6	88.4	89.4
Black	77.2	78.6	80.1	79.8	82.3	85.0	84.3	85.2	87.4	85.0	85.1
Other	81.0	85.2	84.4	84.1	87.1	88.2	85.2	92.0	92.3	89.5	89.0
Diabetes	75.7	79.1	80.1	81.8	82.3	85.1	86.3	87.0	88.3	88.0	87.9
Hypertension	79.7	82.6	81.2	83.6	84.6	86.5	86.8	86.4	88.4	87.7	86.1
Glomerulonephritis	78.7	81.3	83.8	81.1	83.5	85.1	85.8	89.5	88.8	87.2	89.0
Other cause	78.1	80.9	81.2	79.4	81.5	83.4	85.6	87.8	88.2	87.8	89.9
All	78.0	81.2	81.7	81.7	83.2	85.0	86.1	87.7	88.5	87.5	88.1
TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	70.1	68.6	74.8	74.9	77.1	79.8	79.7	80.4	85.7	88.2	86.3
18-34	71.6	72.1	76.8	76.4	77.0	77.4	81.8	82.4	84.5	86.2	84.1
35-49	72.6	74.6	77.8	78.1	78.1	79.9	82.1	82.4	84.9	86.0	85.6
50-64	71.3	73.7	76.0	74.7	75.2	77.4	79.7	80.2	81.2	81.4	81.5
65+	66.8	69.4	72.4	75.1	69.2	71.8	73.2	74.8	73.4	76.5	73.7
Male	71.0	72.7	76.2	75.9	76.9	78.5	80.2	81.2	83.0	83.9	83.2
Female	70.7	72.5	76.1	76.3	75.0	76.7	80.7	80.6	82.2	83.6	82.6
White	73.6	74.1	78.2	77.9	78.1	78.8	81.2	82.6	84.2	85.0	84.8
Black	63.5	69.0	70.7	71.4	70.4	74.7	77.8	76.9	78.9	79.8	78.1
Other	74.8	75.9	80.6	79.5	82.3	81.7	84.4	82.8	85.2	88.1	86.3
Diabetes	70.3	69.1	73.9	74.0	75.7	76.8	80.4	80.9	81.2	82.9	83.4
Hypertension	69.1	73.5	76.1	74.7	76.2	79.1	80.6	80.6	81.4	83.1	82.2
Glomerulonephritis	70.5	72.7	76.3	78.0	76.4	78.9	80.5	79.8	84.1	85.0	82.7
Other cause	71.2	73.9	76.5	76.8	75.1	75.2	79.6	81.9	83.8	84.0	83.8
All	70.8	72.6	76.1	76.0	76.1	77.8	80.4	80.9	82.7	83.7	83.0

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics. Patients of unknown age, gender, race, or primary diagnosis are excluded. Age is calculated on the day of transplant.

Table G.2 (continued)
Graft Survival Probabilities: First Transplant, Cadaveric, Adjusted
by age, gender, race, & primary diagnosis

THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	53.3	65.4	62.4	71.6	69.7	71.9	74.4	75.0	74.7	81.3	81.2
18-34	62.7	65.7	66.2	71.9	70.8	70.6	72.4	76.4	77.3	78.9	80.7
35-49	64.2	67.3	69.8	72.4	72.3	73.2	74.8	77.1	77.8	79.7	81.1
50-64	64.8	66.0	68.8	70.3	70.2	70.0	72.2	74.5	75.8	75.0	76.1
65+	54.2	60.3	61.4	66.7	67.2	63.0	66.4	66.4	68.6	64.5	69.6
Male	61.3	65.4	67.3	70.3	70.3	71.0	73.4	74.9	76.4	77.1	78.7
Female	63.5	65.3	67.1	71.5	70.9	70.1	71.4	75.3	75.6	76.3	78.0
White	65.0	68.8	69.4	73.9	73.1	73.1	74.5	76.7	78.4	79.4	80.2
Black	53.6	55.9	60.9	62.3	63.6	63.3	67.4	70.1	70.4	70.5	73.0
Other	68.0	69.9	72.7	76.0	75.3	77.1	76.3	80.4	78.0	79.6	84.4
Diabetes	59.9	64.3	63.6	69.0	66.5	69.5	71.3	74.2	75.0	75.1	76.6
Hypertension	61.8	62.4	66.5	68.9	69.3	70.0	73.3	73.7	75.1	75.0	77.1
Glomerulonephritis	62.7	65.0	67.1	71.1	72.4	70.7	72.8	75.3	75.3	78.0	79.7
Other cause	61.4	66.0	69.0	71.3	72.5	70.3	70.8	75.2	78.0	78.1	79.8
All	62.1	65.3	67.2	70.8	70.5	70.6	72.6	75.0	76.1	76.8	78.4
FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	47.1	56.2	44.9	55.1	53.1	59.6	63.2	61.4	63.9	64.0	65.2
18-34	48.4	49.3	53.0	55.7	56.8	61.9	59.7	60.9	62.0	65.3	65.9
35-49	45.0	45.7	55.0	59.4	59.6	61.7	61.0	64.4	64.8	66.5	68.1
50-64	43.4	46.5	54.3	55.9	58.3	57.9	59.3	57.5	60.4	63.0	63.6
65+	34.2	39.7	45.4	52.4	47.8	51.4	51.9	47.0	50.8	52.2	54.4
Male	42.7	44.7	52.0	55.5	56.9	58.3	59.2	59.8	61.5	63.8	65.1
Female	46.2	47.8	53.3	57.1	57.1	61.2	59.4	60.3	61.6	63.7	64.9
White	48.5	49.1	56.1	60.4	60.2	63.8	62.9	63.4	64.0	66.2	68.3
Black	30.5	34.7	41.8	43.7	47.8	48.5	49.3	50.2	54.7	56.5	56.5
Other	53.1	55.5	58.9	63.5	63.0	62.4	65.7	67.3	66.2	71.3	69.3
Diabetes	40.8	39.9	47.9	52.5	51.0	55.5	53.1	56.3	57.6	62.2	61.8
Hypertension	40.1	41.7	50.0	51.8	55.9	56.6	56.3	57.3	61.1	60.4	61.8
Glomerulonephritis	46.0	48.1	53.0	56.7	56.6	59.1	61.1	60.4	60.7	63.1	65.7
Other cause	45.3	47.7	52.9	56.8	59.3	62.1	62.8	61.7	61.9	64.7	68.5
All	43.9	45.8	52.4	56.0	56.9	59.4	59.2	60.0	61.5	63.7	65.0
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	34.1	37.6	42.9	45.3	32.4	34.0	37.5	31.5	41.0	39.9	42.1
18-34	31.5	32.7	33.9	30.6	34.5	31.9	33.8	36.6	37.5	37.7	40.8
35-49	23.1	25.7	25.0	25.4	27.2	27.3	28.5	34.9	38.5	38.3	38.5
50-64	18.4	17.4	17.5	20.2	17.9	22.8	25.3	31.1	31.9	32.4	31.8
65+	0.0	19.8	4.8	9.9	8.0	10.3	19.7	18.3	24.0	20.3	21.3
Male	23.1	23.6	24.7	23.8	24.6	25.1	27.3	31.8	34.2	34.5	34.7
Female	24.4	27.8	26.7	27.1	27.4	27.6	29.2	33.8	36.1	35.5	37.1
White	27.2	27.6	28.3	27.6	29.1	29.6	31.3	35.8	39.3	38.3	39.0
Black	12.8	15.7	14.3	15.0	14.6	14.7	16.4	21.0	22.3	25.0	26.0
Other	28.4	34.3	36.7	39.4	32.0	35.1	38.7	44.7	43.8	41.5	45.1
Diabetes	17.4	19.4	18.1	16.3	18.0	17.9	20.3	22.2	25.5	25.6	25.8
Hypertension	21.4	23.3	22.8	22.4	19.8	21.3	25.2	29.4	29.0	33.7	31.8
Glomerulonephritis	23.3	26.2	29.9	27.0	31.2	29.9	28.9	33.2	35.8	34.5	36.5
Other cause	25.6	26.2	25.3	27.9	27.5	29.3	30.9	33.7	37.1	36.8	38.5
All	23.5	25.0	25.4	24.9	25.6	25.9	27.9	32.5	34.8	34.8	35.6

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics. Patients of unknown age, gender, race, or primary diagnosis are excluded. Age is calculated on the day of transplant.

Table G.3
Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted
by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	84.0	93.0	91.2	92.3	94.3	93.4	92.8	96.2	95.4	96.5	95.0
18-34	93.2	93.9	93.7	95.0	95.1	94.4	95.8	95.7	96.0	96.5	96.7
35-49	92.1	94.1	93.6	94.1	93.7	94.3	95.6	96.5	97.2	96.4	96.4
50-64	91.7	93.8	93.7	92.3	93.8	92.0	95.2	95.4	95.5	95.7	97.0
65+	93.1	86.4	85.2	94.7	96.5	89.8	92.9	93.7	95.1	96.2	94.8
Male	91.3	93.8	93.4	94.1	94.4	93.3	95.8	96.4	96.3	97.0	96.7
Female	91.5	93.8	92.8	93.5	94.3	94.0	94.3	95.1	96.0	95.2	96.2
White	91.7	94.1	93.2	93.7	94.4	93.8	95.3	95.6	96.0	96.3	96.6
Black	89.5	90.1	91.6	93.8	93.4	92.7	94.1	96.1	96.7	96.4	95.6
Other	91.0	99.0	97.0	95.8	96.9	93.9	97.0	97.6	96.6	94.7	97.0
†Hispanic							95.2	96.2	96.3	97.5	96.8
†Non-Hispanic							95.2	95.8	96.1	96.1	96.4
Diabetes	90.2	92.5	89.4	92.7	92.4	94.0	95.9	95.9	95.6	96.1	96.2
Hypertension	89.6	94.3	95.2	93.9	95.0	93.0	96.4	96.1	96.2	95.3	96.7
Glomerulonephritis	91.7	95.0	93.4	93.5	94.6	93.3	94.7	96.0	96.7	96.6	96.2
Other	91.0	93.2	92.6	92.5	94.6	93.6	94.5	95.5	95.8	96.1	96.9
All	91.4	93.8	93.2	93.8	94.3	93.6	95.2	95.8	96.2	96.2	96.5
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	78.5	89.7	88.2	88.9	91.1	90.7	91.1	94.2	94.8	95.4	93.5
18-34	91.1	91.8	91.0	92.2	93.5	92.1	93.9	93.3	93.7	94.5	94.4
35-49	89.7	91.7	91.0	91.1	91.4	92.4	93.6	94.3	95.2	94.7	94.6
50-64	86.2	89.6	89.4	85.9	89.5	88.0	91.6	92.2	92.9	93.3	94.0
65+	89.7	86.4	72.2	82.5	96.5	86.7	88.9	91.6	89.2	92.3	91.2
Male	87.9	91.2	90.4	90.2	91.6	90.7	93.8	94.2	94.3	94.9	94.3
Female	88.7	91.0	89.5	90.1	92.2	91.5	91.4	92.2	93.4	93.1	93.8
White	88.6	91.5	90.3	90.2	92.4	91.5	93.1	93.1	94.1	94.6	94.4
Black	84.4	86.3	86.6	89.1	89.5	89.0	90.7	93.3	92.5	92.7	92.5
Other	91.0	99.0	94.0	92.3	93.9	91.7	95.0	96.3	94.7	93.0	93.7
†Hispanic							92.7	94.5	94.9	95.4	94.0
†Non-Hispanic							92.8	93.2	93.7	94.0	94.1
Diabetes	86.4	88.9	87.3	87.5	90.2	91.5	93.7	92.4	93.1	93.5	93.5
Hypertension	87.8	89.4	91.0	90.0	90.8	89.9	93.6	93.6	92.9	92.7	92.9
Glomerulonephritis	88.0	92.0	90.3	89.7	92.4	91.0	92.5	93.5	95.1	94.5	93.7
Other	88.1	91.2	89.3	89.6	92.9	90.4	92.0	93.6	93.5	94.6	94.8
All	88.2	91.1	90.0	90.1	91.9	91.0	92.8	93.4	93.9	94.2	94.1

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.3 (continued)

Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	84.9	75.7	87.6	84.5	85.4	90.0	86.9	87.1	90.4	92.8	92.5
18-34	84.8	88.2	87.6	87.2	88.2	89.7	88.0	89.2	89.8	89.7	89.9
35-49	88.0	87.3	87.5	88.2	87.8	88.4	90.1	90.7	91.9	93.0	92.4
50-64	85.2	83.1	86.7	85.2	81.9	86.3	84.7	88.9	89.7	90.1	90.7
65+	71.4	86.2	81.8	72.2	80.7	89.5	81.6	84.1	87.4	84.9	89.0
Male	85.9	85.6	87.5	87.0	86.8	88.7	87.5	90.3	91.3	91.5	92.1
Female	85.6	85.4	87.2	85.9	85.9	88.7	88.0	87.7	89.1	90.3	89.7
White	86.7	86.3	88.2	87.4	86.8	89.8	88.6	90.0	90.6	91.3	91.9
Black	77.4	78.9	79.8	80.2	83.8	83.8	84.2	85.4	87.7	89.0	87.8
Other	92.7	86.5	97.1	89.6	88.7	90.2	87.8	92.1	94.3	91.0	90.1
†Hispanic								90.4	91.8	92.6	92.7
†Non-Hispanic								89.1	90.2	90.7	90.9
Diabetes	86.1	83.1	84.7	84.3	84.1	86.9	87.4	89.4	89.3	89.5	89.7
Hypertension	85.2	83.5	85.5	85.2	86.9	87.2	87.3	89.3	89.7	89.5	89.2
Glomerulonephritis	85.0	86.1	87.3	87.3	84.5	89.2	86.8	88.6	91.4	91.9	91.7
Other	85.4	84.7	88.9	86.3	86.7	89.6	87.5	89.2	90.1	91.1	91.4
All	85.8	85.5	87.4	86.5	86.4	88.7	87.7	89.3	90.4	90.9	91.1
THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	70.8	81.6	70.5	84.8	79.7	81.2	86.8	84.4	84.0	87.7	89.9
18-34	79.8	80.8	83.8	84.0	83.6	83.3	86.2	84.6	85.0	87.2	84.5
35-49	82.1	85.5	85.3	84.5	85.1	84.5	85.2	87.1	87.8	88.6	90.0
50-64	76.7	78.1	81.1	82.5	83.4	77.0	80.7	80.0	85.6	86.0	87.2
65+	70.0	71.4	79.3	81.8	66.7	75.4	82.5	75.5	81.0	82.5	79.5
Male	77.2	82.8	81.5	84.4	83.5	82.7	84.9	84.2	86.8	88.0	87.7
Female	81.0	80.7	82.6	83.6	82.8	81.2	84.8	84.2	84.4	86.0	86.8
White	80.3	83.0	82.8	85.2	84.7	82.9	86.2	85.4	87.0	87.9	88.0
Black	68.4	71.5	74.7	74.2	73.5	77.3	79.3	79.0	80.0	82.8	82.8
Other	80.6	91.5	85.6	93.2	85.8	84.5	85.9	85.6	88.6	89.4	88.7
†Hispanic									86.4	88.5	89.9
†Non-Hispanic									85.7	87.0	86.9
Diabetes	77.1	82.8	79.3	79.4	80.4	79.4	83.0	83.4	86.3	84.8	85.4
Hypertension	69.2	78.4	78.7	81.1	81.0	81.5	81.7	81.6	85.2	85.5	83.5
Glomerulonephritis	76.8	81.4	82.7	84.2	83.6	80.5	84.7	83.0	85.6	88.5	88.4
Other	81.7	81.4	80.4	86.3	83.2	81.6	86.4	85.0	85.3	87.3	88.4
All	78.7	81.9	82.0	84.0	83.2	82.1	84.9	84.2	85.8	87.2	87.3

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.3 (continued)

Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	58.8	61.9	64.4	75.3	64.2	78.2	68.9	73.5	80.8	77.6	76.8
18-34	69.9	69.9	72.9	73.2	76.5	76.4	75.6	74.9	76.6	77.0	77.4
35-49	76.5	76.1	74.0	80.5	78.4	75.5	76.6	77.1	76.8	79.7	79.9
50-64	81.2	75.2	65.6	68.4	68.1	70.8	75.6	68.2	71.4	72.0	75.9
65+	75.0	67.5	70.0	71.4	69.0	77.3	53.7	61.4	71.9	65.3	72.2
Male	74.2	72.1	70.0	75.5	74.0	75.9	75.2	74.9	75.6	76.9	79.2
Female	71.8	72.2	72.9	74.4	74.5	75.3	74.0	72.7	76.7	76.1	75.5
White	73.9	72.3	73.6	76.9	74.9	77.7	76.4	75.8	77.8	77.9	79.3
Black	64.3	67.0	56.5	59.4	64.6	60.6	62.8	64.4	68.4	69.9	69.9
Other	83.8	80.5	69.9	85.4	84.7	86.4	79.9	73.9	79.8	80.1	80.7
†Hispanic											80.1
†Non-Hispanic											77.3
Diabetes	69.0	66.9	65.4	73.7	69.8	69.7	70.5	67.8	72.4	74.7	75.7
Hypertension	74.1	75.2	60.3	68.5	66.5	68.3	71.7	72.0	69.4	69.4	74.0
Glomerulonephritis	74.2	72.9	69.7	74.0	75.4	73.9	74.4	72.4	74.4	75.9	77.9
Other	74.1	71.6	74.8	75.2	72.3	79.7	74.7	74.0	78.8	78.4	78.7
All	73.2	72.1	71.1	75.1	74.2	75.6	74.6	74.0	76.1	76.6	77.7

TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	43.2	36.5	41.1	42.3	40.8	41.6	44.2	44.3	57.5	48.3	58.2
18-34	52.7	50.8	50.7	53.7	52.0	52.5	50.8	57.3	56.9	59.0	59.5
35-49	47.1	48.5	53.4	48.8	51.9	54.8	53.4	53.0	58.9	59.6	56.5
50-64	40.4	45.3	54.5	50.9	50.9	53.7	50.9	45.0	45.6	40.2	46.1
65+	66.7	0.0	50.0	50.0	31.3	40.9	40.0	30.0	28.6	55.2	54.5
Male	47.5	47.4	49.9	50.4	48.8	52.5	49.8	51.4	56.0	55.1	58.5
Female	51.3	48.9	52.2	50.2	53.0	52.2	52.2	54.8	56.1	55.4	53.8
White	50.8	48.2	52.1	52.2	52.2	53.6	52.0	55.9	58.2	57.0	59.5
Black	36.5	42.0	38.4	33.7	37.1	39.4	39.7	34.2	38.1	38.4	37.6
Other	47.5	61.0	67.1	63.8	59.3	65.0	60.4	51.6	68.3	64.0	62.1
†Hispanic											
†Non-Hispanic											
Diabetes	34.1	34.6	33.9	35.1	39.8	40.1	40.0	41.0	46.4	46.0	41.4
Hypertension	51.7	42.0	44.4	46.0	46.6	48.5	46.8	40.4	42.6	44.5	46.7
Glomerulonephritis	48.5	50.1	54.8	51.0	52.8	56.1	52.5	50.3	54.0	54.4	57.0
Other	46.6	52.5	52.2	54.6	53.9	55.4	55.2	57.1	58.5	55.1	60.7
All	49.0	48.0	50.8	50.3	50.4	52.4	50.8	52.7	56.1	55.2	56.5

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.4
Graft Survival Probabilities: First Transplant, Living Donor, Adjusted
by age, gender, race, & primary diagnosis

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	83.0	92.2	90.5	91.5	94.0	93.3	92.6	96.1	95.2	96.0	94.8
18-34	92.5	93.5	93.3	94.6	94.9	94.2	95.7	95.5	95.8	96.4	96.5
35-49	91.3	93.8	93.2	93.6	93.4	94.0	95.4	96.2	96.9	96.1	96.2
50-64	91.3	94.1	93.5	92.2	93.7	91.9	95.1	95.2	95.4	95.7	97.0
65+	92.3	85.7	84.7	94.8	96.2	90.2	92.7	93.6	95.1	96.2	94.9
Male	89.3	92.4	92.2	93.0	93.6	92.6	95.4	95.9	95.9	96.7	96.4
Female	90.9	93.6	92.5	93.2	94.0	93.8	94.1	94.9	95.8	94.9	96.0
White	90.9	93.6	92.7	93.3	93.9	93.4	95.1	95.4	95.9	96.3	96.6
Black	89.6	90.5	91.8	93.9	93.4	93.0	94.3	96.3	96.8	96.5	95.7
Other	90.0	99.0	96.8	95.6	96.8	94.2	96.8	97.5	96.6	94.6	97.0
Diabetes	88.5	91.7	88.1	92.0	91.7	93.7	95.6	95.8	95.7	96.2	96.3
Hypertension	88.9	94.0	95.1	93.9	95.0	93.4	96.5	96.2	96.3	95.6	96.9
Glomerulonephritis	91.2	94.7	93.1	93.2	94.4	93.0	94.4	95.7	96.4	96.4	95.9
Other cause	90.0	92.7	91.8	91.7	94.1	93.0	94.0	95.0	95.4	95.7	96.6
All	90.1	93.0	92.4	93.1	93.8	93.1	94.8	95.5	95.8	96.0	96.3
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	77.3	88.6	87.2	87.7	90.6	90.5	90.8	94.0	94.6	94.8	92.7
18-34	90.2	91.2	90.3	91.6	93.2	91.9	93.6	93.0	93.4	94.3	94.0
35-49	88.7	91.1	90.4	90.5	91.0	91.9	93.2	93.8	94.8	94.3	94.2
50-64	85.6	89.5	89.1	85.8	89.4	87.7	91.4	92.0	92.6	93.1	93.9
65+	88.4	85.7	71.5	82.7	96.2	87.2	88.7	91.5	89.1	92.5	91.3
Male	85.2	89.3	88.6	88.5	90.5	89.5	93.2	93.5	93.6	94.4	93.7
Female	87.9	90.5	88.9	89.6	91.9	91.2	91.0	91.9	93.1	92.8	93.5
White	87.6	90.7	89.6	89.4	91.8	91.0	92.8	92.8	93.9	94.5	94.3
Black	84.6	86.5	86.9	89.3	89.5	89.2	90.9	93.6	92.7	92.9	92.7
Other	90.0	99.0	93.6	91.9	93.6	91.4	94.7	96.2	94.6	92.8	93.8
Diabetes	84.2	87.5	85.8	86.2	89.3	91.1	93.4	92.3	93.0	93.6	93.8
Hypertension	87.0	89.0	90.9	89.9	90.8	90.1	93.8	93.8	93.1	93.2	93.3
Glomerulonephritis	87.3	91.5	89.5	89.3	92.1	90.6	92.1	93.0	94.6	94.1	93.2
Other cause	86.9	90.4	88.2	88.5	92.2	89.4	91.4	93.0	92.9	94.1	94.3
All	86.5	89.9	88.8	89.0	91.1	90.3	92.2	92.8	93.3	93.8	93.6
TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	83.4	74.3	86.1	83.1	83.8	89.4	86.5	86.6	90.0	92.4	91.4
18-34	83.4	87.0	86.7	86.2	87.3	89.3	87.7	88.7	89.3	89.2	89.5
35-49	86.9	86.1	86.6	87.4	86.9	87.9	89.4	90.2	91.2	92.4	91.8
50-64	84.7	82.2	86.4	84.7	81.6	86.1	84.3	88.7	89.3	89.7	90.4
65+	72.9	84.5	80.9	71.5	80.8	88.6	82.0	83.7	87.1	84.6	89.1
Male	82.8	82.4	84.8	84.7	84.6	87.1	86.0	89.3	90.3	90.4	91.3
Female	84.5	84.2	86.3	85.0	85.1	88.1	87.4	87.1	88.6	89.7	89.2
White	85.3	85.0	87.0	86.4	85.7	89.1	87.9	89.4	90.2	91.0	91.6
Black	77.6	78.9	79.8	80.5	84.0	83.7	84.3	85.6	88.1	89.2	88.0
Other	92.0	85.1	96.9	88.9	88.3	89.8	87.4	91.5	94.1	90.8	89.9
Diabetes	83.7	80.3	82.7	82.5	82.5	85.7	86.7	88.9	89.0	89.3	89.8
Hypertension	84.4	82.5	84.9	85.0	86.9	87.2	87.5	89.6	89.9	89.8	89.9
Glomerulonephritis	84.3	85.0	86.4	86.1	83.6	88.6	86.0	87.9	90.7	91.0	90.9
Other cause	83.5	83.0	87.7	84.7	85.2	88.5	86.1	88.2	89.1	90.2	90.5
All	83.6	83.2	85.6	84.9	84.8	87.6	86.6	88.3	89.6	90.1	90.4

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.4 (continued)
Graft Survival Probabilities: First Transplant, Living Donor, Adjusted
by age, gender, race, & primary diagnosis

THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	70.2	80.1	69.5	83.3	78.5	79.6	86.3	84.3	83.6	87.5	89.5
18-34	77.9	79.1	82.3	82.8	82.2	82.2	85.7	84.2	84.4	86.5	83.8
35-49	80.7	84.1	83.9	83.4	84.1	83.4	84.6	86.2	87.0	87.6	89.1
50-64	76.4	77.3	80.0	82.1	82.8	76.7	80.4	79.4	85.3	85.5	86.7
65+	67.9	73.2	76.1	80.5	65.8	75.5	80.8	76.1	80.4	82.0	79.0
Male	73.0	79.2	77.7	81.2	80.7	80.1	83.0	82.4	85.5	86.7	86.2
Female	79.3	79.0	81.0	82.3	81.5	80.0	83.9	83.3	83.4	85.2	86.0
White	78.2	81.3	81.1	83.8	83.5	81.6	85.2	84.5	86.3	87.3	87.6
Black	68.5	71.7	74.6	74.1	73.8	77.5	79.0	79.1	80.2	83.3	83.1
Other	78.7	90.6	84.0	92.8	85.1	83.8	85.4	85.1	87.9	89.2	88.6
Diabetes	72.6	79.6	75.6	76.6	77.9	77.1	81.3	82.4	85.4	84.3	85.0
Hypertension	70.2	77.3	77.0	80.2	80.7	81.3	81.6	82.0	85.6	85.9	83.9
Glomerulonephritis	75.4	80.4	81.4	83.0	82.2	79.5	83.8	82.1	84.7	87.6	87.3
Other cause	79.6	79.2	78.5	85.0	81.5	79.8	84.9	83.4	84.1	86.2	87.3
All	75.5	79.1	79.1	81.7	81.1	80.1	83.4	82.8	84.6	86.1	86.1
FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	60.0	62.3	64.1	73.8	63.7	76.5	67.9	71.9	80.3	77.8	76.9
18-34	67.8	67.8	70.8	71.2	74.6	74.9	73.8	73.4	75.7	76.3	76.4
35-49	74.6	75.0	72.2	78.9	76.5	74.0	75.3	75.7	76.0	78.4	78.7
50-64	79.8	73.7	65.4	67.8	66.8	70.5	75.0	68.1	71.2	71.4	75.6
65+	73.9	66.3	68.8	73.8	65.4	76.3	53.1	61.9	70.3	66.8	72.0
Male	71.0	68.8	65.5	71.4	69.6	72.1	71.8	71.7	73.0	74.7	77.5
Female	69.1	70.1	70.6	72.3	72.2	73.5	72.1	71.1	75.4	75.0	73.9
White	72.1	70.5	71.3	75.0	72.8	75.9	74.8	74.2	76.3	76.7	78.3
Black	65.1	67.7	56.9	59.8	64.8	60.8	63.3	64.8	68.1	70.3	70.3
Other	82.5	79.1	67.1	84.0	82.8	85.6	78.7	72.7	79.1	79.3	79.6
Diabetes	63.9	62.5	59.4	69.0	64.8	65.7	66.8	64.4	69.7	73.0	74.0
Hypertension	74.1	75.4	61.2	67.0	64.0	66.9	71.3	71.7	69.2	70.0	74.6
Glomerulonephritis	71.7	70.8	67.4	72.1	73.1	71.7	71.8	70.7	72.6	74.4	76.3
Other cause	71.9	69.6	72.7	73.1	70.3	78.3	72.7	72.1	77.1	76.7	77.4
All	70.1	69.3	67.5	71.8	70.7	72.7	71.9	71.5	74.0	74.8	76.0
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	41.7	38.8	42.9	44.5	43.7	43.9	45.8	44.8	56.1	48.4	56.2
18-34	49.1	48.3	47.8	50.4	48.7	49.4	47.7	54.8	53.9	55.9	56.8
35-49	45.5	46.7	50.9	46.1	49.4	52.3	51.7	50.9	56.8	57.1	54.8
50-64	39.5	45.2	53.8	48.5	49.6	51.2	48.3	44.9	44.6	38.5	45.7
65+	70.5	0.0	57.4	60.0	33.7	43.9	41.4	31.8	41.9	52.8	57.3
Male	41.8	42.9	45.4	45.7	44.8	48.6	46.2	47.0	51.6	50.4	54.4
Female	47.7	45.0	48.1	45.6	49.3	47.7	48.8	51.4	53.0	51.9	51.2
White	47.4	44.6	48.4	48.7	49.0	50.8	49.5	53.0	55.7	54.3	57.2
Black	38.3	43.4	40.0	36.0	39.2	40.8	41.5	36.3	40.8	40.9	39.8
Other	48.0	60.0	65.9	63.8	58.1	64.6	60.4	50.2	68.0	61.1	62.0
Diabetes	28.4	28.0	27.7	28.7	34.0	34.2	34.8	34.1	40.1	39.8	36.5
Hypertension	52.5	42.9	45.6	46.5	47.5	48.6	47.4	41.7	41.4	42.2	45.5
Glomerulonephritis	42.6	44.5	49.2	45.8	48.5	51.7	48.9	45.9	49.5	49.3	52.6
Other cause	44.3	50.8	50.9	52.9	51.4	53.0	53.4	55.8	57.3	53.8	60.0
All	44.1	43.7	46.4	45.6	46.4	48.2	47.2	48.5	52.0	50.9	52.8

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.5

Death-censored Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	83.1	87.3	87.4	89.2	91.3	90.0	92.9	94.3	94.3	93.7	94.5
18-34	87.1	89.7	90.5	89.3	89.8	92.9	92.8	93.9	94.8	94.2	94.7
35-49	89.1	90.4	91.0	91.5	92.1	92.7	93.9	95.8	95.2	95.3	96.3
50-64	91.3	90.1	92.0	91.6	92.7	94.3	94.7	95.6	95.0	95.4	96.7
65+	89.5	93.5	93.9	92.7	93.0	94.3	93.3	93.9	95.8	93.7	95.9
Male	89.7	90.7	91.2	91.8	93.0	93.5	94.0	95.9	95.3	95.2	96.6
Female	87.8	89.4	91.2	89.8	89.9	92.8	93.7	94.3	94.8	94.7	95.3
White	89.1	90.6	91.7	91.2	91.9	93.0	94.2	95.5	94.9	95.4	96.3
Black	88.1	88.7	89.7	89.9	91.6	93.3	92.7	94.3	95.1	93.7	95.3
Other	90.6	91.4	91.4	93.5	92.1	95.6	95.3	96.1	96.9	95.6	97.1
†Hispanic							94.5	96.3	96.1	95.2	97.7
†Non-Hispanic							93.8	95.1	95.0	94.9	95.9
Diabetes	88.9	90.6	91.7	93.2	93.2	94.5	95.2	95.8	96.1	96.4	96.9
Hypertension	89.5	89.9	89.6	91.0	91.4	93.8	93.9	94.5	94.9	94.9	95.4
Glomerulonephritis	87.2	89.3	91.4	88.8	90.7	92.6	93.0	95.4	94.4	94.2	95.3
Other	88.5	89.2	89.7	88.8	90.6	91.5	92.7	94.9	94.4	94.1	96.0
All	88.9	90.2	91.2	91.0	91.8	93.2	93.9	95.2	95.1	95.0	96.1
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	76.3	81.8	83.6	86.3	87.6	84.9	88.7	91.9	91.6	91.5	91.0
18-34	82.4	85.4	85.6	85.2	86.0	89.3	90.2	90.8	92.5	90.7	91.2
35-49	85.1	86.4	87.8	87.6	88.6	89.5	90.9	93.5	93.7	93.3	93.7
50-64	86.9	86.9	88.5	88.1	89.8	91.8	91.8	93.5	92.8	93.1	93.9
65+	85.1	91.1	92.4	86.6	88.8	91.3	90.7	91.7	92.1	91.4	93.2
Male	84.9	86.8	87.7	88.1	89.6	89.8	91.2	93.5	93.1	92.5	93.5
Female	83.8	85.6	87.3	85.5	86.4	90.5	90.6	91.8	92.9	92.6	92.8
White	85.1	87.3	88.2	87.8	88.8	90.2	91.9	93.7	93.3	93.4	94.5
Black	81.8	82.5	85.0	84.3	86.8	89.1	89.0	90.1	91.4	89.8	90.2
Other	87.5	89.7	89.1	90.2	90.9	93.5	90.3	95.7	95.7	94.6	93.7
†Hispanic							92.0	93.9	95.3	93.6	95.4
†Non-Hispanic							90.9	92.7	92.7	92.4	92.9
Diabetes	84.1	87.2	88.2	89.4	89.7	92.3	93.1	93.2	94.4	94.6	94.2
Hypertension	83.8	85.2	85.1	87.1	87.9	90.1	89.5	91.0	91.2	92.5	91.5
Glomerulonephritis	83.0	85.1	87.9	84.5	86.8	88.7	89.6	93.1	92.5	90.4	92.0
Other	83.9	85.5	86.3	84.4	87.4	88.0	90.1	92.9	92.3	92.3	93.9
All	84.5	86.3	87.5	87.1	88.4	90.1	91.0	92.8	93.0	92.6	93.2

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.5 (continued)

Death-censored Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	73.5	72.9	76.7	77.5	80.9	82.0	80.1	81.8	88.0	88.4	87.9
18-34	76.4	75.8	80.7	80.7	80.5	80.9	84.7	85.4	86.6	88.6	86.3
35-49	79.5	81.3	83.4	84.1	83.7	85.7	86.7	87.9	90.0	90.7	90.6
50-64	84.0	84.4	84.8	85.5	85.5	87.4	89.7	89.5	90.9	90.3	90.9
65+	83.2	84.6	87.7	89.6	84.9	86.9	89.9	89.2	89.2	91.1	88.1
Male	80.2	80.7	83.5	83.6	84.4	86.3	87.1	87.8	89.9	90.3	89.8
Female	78.6	80.1	82.4	83.8	81.9	83.1	87.1	87.7	88.9	89.9	89.5
White	82.4	82.1	85.0	85.4	85.2	86.5	88.2	89.7	91.3	91.5	91.3
Black	69.8	74.7	76.2	77.9	76.8	81.2	83.6	83.2	84.9	85.9	84.7
Other	84.4	83.6	86.6	86.5	88.7	87.6	91.7	88.4	91.4	93.3	92.9
†Hispanic								89.7	91.2	93.1	91.6
†Non-Hispanic								87.5	89.3	89.8	89.4
Diabetes	82.1	80.1	84.9	85.3	86.2	87.5	90.1	90.8	90.5	92.0	92.4
Hypertension	74.2	78.4	80.1	79.6	81.1	83.2	85.5	84.6	86.5	87.2	88.2
Glomerulonephritis	76.6	78.1	81.1	83.1	81.0	83.3	85.3	85.2	88.7	89.5	87.0
Other	78.7	80.8	82.4	83.3	81.5	83.6	85.5	87.7	90.1	89.7	89.8
All	79.6	80.4	83.0	83.7	83.4	85.1	87.1	87.8	89.5	90.1	89.7
THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	54.5	68.3	66.1	73.4	73.1	75.0	75.5	74.5	75.6	83.6	80.4
18-34	68.3	71.3	70.7	76.7	75.5	75.1	76.3	79.4	80.8	81.6	83.6
35-49	72.4	75.6	78.0	79.1	80.0	80.0	81.8	83.1	84.5	86.3	87.2
50-64	80.3	80.6	81.8	82.3	83.7	83.2	84.6	87.3	87.2	87.4	87.8
65+	79.4	82.5	80.5	86.6	86.2	82.7	85.7	87.5	87.1	86.2	88.6
Male	72.4	76.1	77.0	79.5	79.8	80.3	82.6	83.5	84.4	86.1	87.1
Female	72.6	74.5	76.1	79.3	80.1	78.6	79.4	83.4	84.5	85.1	86.0
White	75.3	79.0	79.3	82.5	82.5	82.1	83.8	85.6	87.0	88.6	88.8
Black	62.2	63.6	67.6	69.3	71.3	70.9	75.1	77.4	78.3	78.4	80.3
Other	80.3	80.6	81.1	84.1	83.5	86.3	83.6	88.2	85.7	87.5	90.8
†Hispanic									85.8	87.8	89.9
†Non-Hispanic									84.3	85.5	86.2
Diabetes	74.4	78.5	77.0	82.1	80.9	82.9	84.2	86.6	87.5	87.5	88.6
Hypertension	67.4	69.2	71.8	74.4	75.7	75.8	78.3	79.9	80.3	81.2	82.3
Glomerulonephritis	71.3	72.0	73.4	77.3	78.6	76.5	78.8	81.2	81.3	84.1	86.0
Other	69.7	74.2	77.8	78.8	80.5	78.4	80.7	82.6	85.0	86.6	86.7
All	72.5	75.5	76.7	79.4	79.9	79.6	81.4	83.4	84.5	85.7	86.6

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.5 (continued)

Death-censored Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	49.5	57.9	47.9	57.3	56.5	61.6	67.4	66.5	64.4	63.3	66.6
18-34	56.0	56.9	60.1	62.8	62.4	67.8	66.0	67.1	66.5	69.3	70.5
35-49	58.6	58.7	66.1	70.1	70.6	72.5	71.7	73.7	74.4	74.7	77.4
50-64	66.3	69.2	75.7	75.7	76.7	76.1	79.0	77.1	78.2	81.2	80.3
65+	77.6	68.6	77.1	81.1	75.4	80.3	82.4	76.4	81.4	81.2	82.8
Male	58.9	60.8	66.6	69.4	70.0	71.9	72.9	73.2	74.4	75.6	76.7
Female	59.0	60.2	65.5	68.5	68.8	72.4	72.1	72.4	72.4	74.8	77.0
White	64.5	64.9	69.6	74.0	73.4	76.6	76.5	76.4	76.9	78.8	80.8
Black	39.1	45.1	53.4	52.3	56.8	57.8	59.9	61.1	65.4	66.2	67.1
Other	73.0	68.8	74.2	75.6	74.8	75.0	76.8	79.0	77.1	80.9	79.3
†Hispanic											78.9
†Non-Hispanic											76.6
Diabetes	63.1	63.0	67.6	72.2	69.2	74.1	73.6	75.8	76.2	79.5	79.5
Hypertension	47.2	50.8	58.1	59.9	63.2	64.8	64.9	66.5	68.8	68.9	69.4
Glomerulonephritis	58.1	59.5	64.0	65.6	65.0	68.5	70.3	68.7	69.1	71.5	74.2
Other	58.3	60.2	63.8	67.6	71.3	72.9	74.4	72.6	73.6	74.5	78.4
All	58.9	60.6	66.1	69.0	69.5	72.1	72.5	72.9	73.7	75.3	76.8

TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	35.4	36.3	43.7	45.4	33.0	36.0	39.5	33.1	43.0	42.3	43.2
18-34	43.0	43.9	44.1	40.7	43.8	41.3	43.3	45.5	47.0	46.0	49.0
35-49	42.8	43.7	42.0	42.0	43.3	45.1	46.7	52.3	55.2	54.5	56.1
50-64	46.1	47.2	47.2	50.7	51.3	54.6	59.1	64.9	63.0	63.7	61.8
65+	64.0	100.0	52.3	71.5	73.2	70.0	59.0	62.2	74.2	65.3	68.0
Male	43.0	43.5	44.2	43.1	45.1	46.0	48.8	53.0	55.3	55.0	55.7
Female	42.2	44.1	42.8	43.6	42.6	43.7	46.4	51.5	53.1	53.0	55.0
White	48.0	48.6	48.0	47.0	49.6	50.8	52.7	56.3	60.5	59.1	60.1
Black	22.1	26.8	26.2	26.6	26.1	24.7	29.1	36.5	33.6	38.1	39.5
Other	45.1	50.6	58.1	66.6	53.1	58.7	58.8	64.8	63.2	59.7	62.2
†Hispanic											
†Non-Hispanic											
Diabetes	46.3	48.2	48.0	43.8	45.6	44.2	48.4	48.6	52.7	51.8	52.9
Hypertension	29.3	31.7	33.4	31.5	30.9	31.0	37.0	41.9	41.0	45.4	44.5
Glomerulonephritis	35.9	41.1	43.1	41.9	44.8	45.0	45.2	48.9	50.4	48.1	50.5
Other	40.5	41.4	39.7	42.9	43.7	46.3	47.3	50.3	53.9	55.9	56.8
All	42.7	43.7	43.7	43.3	44.2	45.1	47.8	52.4	54.4	54.2	55.4

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.6

Death-censored Graft Survival Probabilities: First Transplant, Cadaveric, Adjusted*by age, gender, race, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	83.4	87.8	87.3	89.3	92.2	91.2	93.7	94.7	95.0	94.1	95.1
18-34	86.9	89.7	90.5	89.2	90.1	93.1	92.9	94.1	95.0	94.5	94.9
35-49	89.1	90.2	90.9	91.3	92.2	92.8	94.0	95.9	95.2	95.2	96.4
50-64	91.1	89.9	91.8	91.5	92.7	94.4	94.6	95.6	94.9	95.3	96.6
65+	89.4	93.4	94.1	92.6	93.0	94.2	93.5	93.9	95.8	93.7	95.8
Male	89.8	90.8	91.3	91.8	93.2	93.7	94.1	95.9	95.3	95.0	96.5
Female	88.0	89.6	91.3	89.8	90.2	93.0	93.7	94.3	94.7	94.6	95.2
White	89.3	90.7	91.8	91.2	91.9	92.9	94.1	95.4	94.7	95.2	96.1
Black	89.2	89.9	90.7	90.6	92.3	93.9	93.1	94.6	95.4	94.0	95.5
Other	90.6	91.8	91.5	93.5	92.0	96.0	95.5	96.2	96.9	95.6	97.2
Diabetes	88.4	90.2	91.3	92.9	92.9	94.4	95.0	95.6	96.0	96.1	96.7
Hypertension	90.5	90.9	90.5	91.8	92.3	94.5	94.4	94.9	95.3	95.1	95.7
Glomerulonephritis	87.6	89.7	91.7	88.9	91.1	92.8	93.2	95.6	94.4	94.3	95.4
Other cause	88.4	88.9	89.5	88.5	90.6	91.5	92.6	94.7	94.2	94.0	95.8
All	89.1	90.3	91.3	91.0	92.0	93.4	93.9	95.2	95.0	94.8	96.0
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	77.0	82.5	83.4	86.5	88.9	86.7	90.0	92.5	92.7	92.1	92.0
18-34	82.1	85.4	85.6	84.9	86.3	89.6	90.4	91.0	92.7	91.2	91.6
35-49	85.0	86.1	87.7	87.3	88.7	89.7	91.0	93.5	93.7	93.1	93.7
50-64	86.7	86.7	88.1	87.8	89.8	91.8	91.7	93.5	92.7	93.0	93.8
65+	85.0	90.9	92.3	86.5	88.7	91.3	90.6	91.7	92.1	91.4	93.1
Male	85.2	87.0	87.8	88.1	89.8	90.0	91.2	93.5	93.0	92.3	93.4
Female	84.1	85.9	87.5	85.6	86.8	90.8	90.7	91.7	92.7	92.5	92.7
White	85.4	87.5	88.3	87.8	88.7	90.1	91.7	93.5	93.1	93.2	94.2
Black	83.5	84.2	86.4	85.4	87.8	89.9	89.7	90.6	91.8	90.2	90.5
Other	87.5	90.1	89.3	90.3	90.9	93.8	90.2	95.9	95.8	94.6	93.8
Diabetes	83.5	86.6	87.6	88.9	89.2	92.0	92.8	92.9	94.1	94.2	93.8
Hypertension	85.4	86.5	86.4	88.1	89.1	91.0	90.3	91.7	91.8	92.9	92.1
Glomerulonephritis	83.6	85.8	88.2	84.8	87.3	89.1	89.8	93.3	92.6	90.6	92.2
Other cause	83.8	85.2	86.0	84.0	87.3	88.0	90.0	92.6	92.1	92.1	93.8
All	84.8	86.5	87.7	87.0	88.6	90.3	91.0	92.8	92.9	92.4	93.1
TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	74.1	74.0	77.8	77.6	81.3	84.0	82.6	83.9	89.0	90.0	88.9
18-34	75.5	75.4	80.6	80.8	80.2	81.4	85.1	85.7	86.9	88.8	86.9
35-49	79.2	81.3	83.1	84.0	83.4	85.9	87.0	88.0	89.9	90.7	90.4
50-64	83.7	84.1	84.5	85.1	85.2	87.4	89.7	89.5	90.8	90.1	90.8
65+	83.0	84.6	87.6	89.4	84.8	86.8	89.8	89.1	89.1	91.0	88.0
Male	80.5	81.1	83.7	83.8	84.4	86.7	87.4	87.9	89.9	90.2	89.6
Female	79.2	80.5	82.7	84.0	82.0	83.6	87.5	87.8	88.8	89.7	89.4
White	82.9	82.5	85.2	85.5	85.2	86.5	88.1	89.5	91.0	91.2	91.0
Black	72.4	77.1	78.5	80.1	78.5	82.6	84.9	84.2	85.7	86.6	85.3
Other	84.6	83.6	87.2	86.8	88.9	87.5	92.2	88.4	91.7	93.4	92.9
Diabetes	81.1	79.1	84.0	84.3	85.3	86.7	89.6	90.3	90.0	91.4	91.8
Hypertension	77.1	80.6	82.0	81.5	82.7	84.9	87.0	86.0	87.6	88.2	88.8
Glomerulonephritis	77.2	78.8	81.9	83.6	81.3	84.0	85.8	85.5	89.1	89.5	87.3
Other cause	78.9	80.7	82.1	82.9	81.2	83.6	85.5	87.6	89.8	89.5	89.6
All	79.9	80.8	83.3	83.9	83.4	85.5	87.4	87.8	89.5	90.0	89.5

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.6 (continued)

Death-censored Graft Survival Probabilities: First Transplant, Cadaveric, Adjusted*by age, gender, race, & primary diagnosis*

THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	56.7	69.5	67.8	75.0	73.5	75.9	78.4	77.9	78.5	85.1	83.0
18-34	67.6	70.2	70.2	76.5	75.6	74.6	76.9	79.9	81.2	82.0	83.9
35-49	72.2	75.2	78.0	78.7	79.8	79.6	82.0	83.3	84.6	86.3	87.1
50-64	80.2	80.2	81.5	82.0	83.2	82.8	84.7	87.2	87.1	87.3	87.6
65+	79.5	82.2	80.2	86.2	85.8	82.4	85.5	87.2	86.9	86.0	88.4
Male	73.1	76.4	77.6	79.9	80.1	80.3	83.1	83.8	84.6	86.2	86.9
Female	73.6	75.4	76.6	79.7	80.5	78.8	80.0	84.0	84.6	85.0	85.7
White	76.1	79.6	79.8	82.7	82.7	82.1	83.8	85.5	86.8	88.3	88.3
Black	65.1	66.6	70.6	72.2	74.1	72.9	77.1	79.2	79.6	79.6	81.2
Other	80.3	80.7	81.0	84.7	83.8	86.4	83.5	88.9	85.7	87.9	91.1
Diabetes	73.4	77.4	75.8	81.0	79.7	81.9	83.1	85.9	86.8	86.8	87.8
Hypertension	71.1	72.5	74.5	76.6	77.9	77.8	80.5	81.8	81.9	82.7	83.5
Glomerulonephritis	71.8	72.8	74.2	78.3	79.2	76.9	79.6	81.8	81.7	84.5	86.1
Other cause	70.1	74.4	77.7	78.4	80.1	78.0	80.7	82.7	84.9	86.1	86.4
All	73.3	75.9	77.2	79.8	80.2	79.7	81.9	83.9	84.6	85.7	86.4
FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	53.2	60.8	50.0	58.8	58.4	63.5	67.6	67.2	68.2	67.5	70.0
18-34	55.2	56.1	59.0	61.3	61.7	67.4	66.0	66.5	67.2	70.0	70.9
35-49	58.8	59.3	65.7	69.6	70.5	71.8	71.4	73.1	74.6	75.0	77.5
50-64	66.3	69.0	75.6	75.3	76.2	75.6	78.5	76.6	78.2	81.1	80.2
65+	77.2	67.5	77.4	80.8	75.4	80.0	82.3	76.2	81.2	81.0	82.7
Male	61.3	63.0	67.4	69.8	70.8	72.4	73.4	73.3	75.2	76.2	77.0
Female	61.8	62.3	66.6	69.5	69.5	72.9	72.5	72.6	73.2	75.6	77.2
White	67.0	67.1	70.7	74.8	74.0	77.0	76.8	76.5	77.0	78.6	80.5
Black	45.5	50.3	57.0	56.2	60.7	61.7	63.6	63.8	68.1	68.7	69.0
Other	74.6	70.1	74.4	75.9	74.6	76.1	77.6	79.3	77.2	82.3	79.5
Diabetes	62.1	61.9	66.5	70.9	67.8	72.6	72.0	74.4	74.8	78.4	78.3
Hypertension	54.0	57.2	62.8	64.1	66.6	67.8	68.0	69.1	71.9	71.9	71.9
Glomerulonephritis	59.7	61.1	64.4	66.4	66.0	69.7	70.9	69.2	70.0	72.3	74.5
Other cause	60.2	61.5	64.1	67.9	71.2	72.4	73.9	72.0	73.7	74.6	78.2
All	61.5	62.7	67.0	69.7	70.2	72.6	73.0	73.0	74.4	75.9	77.0
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	39.0	41.2	48.0	50.2	38.2	40.5	43.6	35.8	45.1	44.9	46.5
18-34	41.1	43.1	43.2	40.1	43.3	40.2	42.1	44.1	45.2	45.2	48.2
35-49	41.8	44.4	42.4	42.3	43.7	45.1	46.9	51.5	54.2	54.3	55.2
50-64	43.6	47.6	47.9	51.0	51.7	54.9	59.1	64.7	62.4	63.1	61.2
65+	62.0	.	45.4	70.0	73.1	69.1	57.0	63.0	73.8	66.1	67.7
Male	45.9	47.8	48.3	46.9	48.8	48.7	51.1	53.8	55.8	56.1	56.4
Female	46.2	48.8	47.4	47.5	46.7	46.9	48.9	53.0	54.3	54.0	55.9
White	52.1	52.9	52.6	51.0	53.4	53.9	55.4	57.9	61.7	60.2	60.9
Black	28.9	34.0	33.2	33.7	32.6	30.9	34.4	40.4	38.0	42.6	44.0
Other	49.2	53.0	56.9	65.7	53.8	59.8	59.2	63.9	63.0	58.6	63.4
Diabetes	45.7	47.7	48.3	43.0	45.2	43.5	47.5	47.7	51.5	50.6	51.4
Hypertension	39.5	42.7	41.9	39.5	38.2	38.7	44.3	48.1	46.5	50.1	49.1
Glomerulonephritis	38.5	43.4	45.3	44.3	46.6	45.7	46.1	48.8	50.5	48.7	51.5
Other cause	43.0	44.5	42.4	45.3	46.2	47.6	48.2	50.2	54.0	55.5	56.0
All	45.8	48.1	47.8	47.0	48.0	47.9	50.1	53.5	55.2	55.2	56.2

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.7

Death-censored Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	90.4	94.2	93.9	92.6	95.0	95.3	93.4	96.2	96.2	97.3	95.4
18-34	94.0	94.5	94.0	95.8	95.6	95.1	96.0	96.2	96.5	96.7	96.9
35-49	94.2	95.1	94.3	94.7	94.1	95.0	96.8	97.4	97.9	97.2	97.3
50-64	94.5	96.1	95.7	93.9	95.5	94.6	97.9	97.2	96.9	97.4	98.3
65+	100.0	95.5	90.7	96.4	96.5	93.9	96.8	97.2	98.9	98.6	98.5
Male	93.5	94.8	94.6	94.9	95.2	94.8	97.2	97.3	97.4	98.0	97.7
Female	94.0	94.9	93.9	94.5	94.9	95.2	95.4	96.3	96.9	96.1	97.1
White	94.1	95.2	94.3	94.6	95.1	95.1	96.7	96.7	97.1	97.3	97.6
Black	91.5	91.6	93.0	94.9	94.3	94.3	94.9	97.4	97.3	97.4	96.7
Other	91.9	99.0	97.7	96.5	96.9	95.0	97.0	98.0	97.4	96.1	97.3
†Hispanic							97.2	96.9	97.3	97.7	97.4
†Non-Hispanic							96.3	96.9	97.2	97.1	97.5
Diabetes	92.9	94.4	91.2	94.1	94.0	96.2	97.6	98.3	97.9	97.1	97.8
Hypertension	94.4	94.3	96.5	94.5	95.5	94.5	97.4	97.0	97.1	97.1	98.1
Glomerulonephritis	93.6	95.5	94.2	94.1	95.0	93.9	95.2	96.3	97.1	97.5	96.8
Other	92.8	94.0	93.8	93.3	94.9	94.8	96.0	96.3	96.5	96.8	97.5
All	93.7	94.9	94.3	94.7	95.0	95.0	96.4	96.9	97.2	97.2	97.5
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	86.2	91.5	91.5	90.2	93.5	93.3	92.2	94.7	95.7	96.2	93.8
18-34	92.3	93.0	91.9	93.6	94.1	93.4	94.3	94.7	94.5	95.2	95.0
35-49	92.2	93.4	92.9	93.0	93.0	93.8	95.5	96.3	96.9	96.5	96.3
50-64	91.2	94.7	93.6	90.5	93.5	93.3	96.3	96.5	96.1	96.7	97.4
65+	100.0	95.5	86.8	90.9	96.5	93.9	94.3	96.5	97.2	97.6	96.6
Male	91.1	93.4	92.9	92.3	93.8	93.6	95.9	96.1	96.5	97.3	96.5
Female	91.9	92.9	91.7	92.4	93.4	93.4	93.6	95.3	95.2	94.8	95.7
White	92.1	93.4	92.5	92.3	93.9	94.0	95.4	95.6	96.1	96.5	96.5
Black	86.4	89.6	90.0	92.1	91.5	91.7	92.8	95.9	95.1	95.2	94.8
Other	91.9	99.0	97.0	94.3	96.3	92.8	95.5	96.7	96.2	95.4	95.9
†Hispanic							95.4	95.8	96.3	96.2	96.4
†Non-Hispanic							94.9	95.7	95.9	96.2	96.1
Diabetes	90.0	92.6	90.5	91.5	93.3	95.2	97.0	97.4	97.1	96.9	96.4
Hypertension	92.5	91.1	93.7	92.7	92.7	92.9	95.9	96.3	94.9	95.7	96.7
Glomerulonephritis	90.9	93.4	91.8	90.7	93.5	92.2	93.4	94.5	95.8	96.1	95.4
Other	90.5	92.3	91.6	91.2	93.8	93.0	94.3	95.3	95.1	95.9	96.2
All	91.4	93.2	92.4	92.4	93.6	93.5	94.9	95.8	95.9	96.2	96.2

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.7 (continued)

Death-censored Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	86.8	83.5	89.3	87.6	87.2	92.4	90.2	89.3	92.1	94.5	94.3
18-34	88.2	89.8	89.8	88.9	89.9	90.6	89.9	90.2	91.5	91.2	91.0
35-49	90.3	90.8	91.6	91.0	90.4	91.3	92.8	94.2	94.7	95.9	95.3
50-64	91.8	89.5	93.7	90.2	88.5	92.4	92.4	95.4	95.3	94.8	95.4
65+	100.0	100.0	95.5	86.8	90.9	96.5	93.9	92.6	94.2	94.2	96.5
Male	89.6	89.5	91.1	90.3	89.7	91.7	91.8	93.7	94.2	94.9	95.6
Female	88.3	89.1	90.5	88.7	89.1	91.0	91.3	91.2	92.9	93.2	92.2
White	90.0	90.5	91.6	90.2	89.7	92.4	92.5	93.6	93.9	94.4	95.0
Black	81.6	81.6	84.7	84.9	87.5	87.0	88.0	88.6	91.6	92.7	91.3
Other	93.9	88.2	97.1	93.1	91.4	93.8	91.1	93.5	95.5	93.9	92.5
†Hispanic								93.6	93.5	94.5	93.9
†Non-Hispanic								92.5	93.7	94.1	94.2
Diabetes	89.5	87.7	91.2	89.1	89.4	91.3	94.1	95.0	95.9	95.9	95.2
Hypertension	88.2	89.3	88.0	89.1	90.8	90.2	91.3	93.5	93.0	92.4	92.3
Glomerulonephritis	88.4	89.4	89.5	89.2	86.0	90.8	89.2	90.4	92.6	93.2	94.2
Other	87.8	87.7	90.7	89.2	88.6	92.0	90.8	92.3	92.8	93.7	93.7
All	89.1	89.4	90.9	89.6	89.5	91.4	91.6	92.6	93.7	94.1	94.2
THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	75.7	83.7	77.7	86.5	83.1	83.1	89.2	87.7	86.6	90.3	91.8
18-34	83.0	84.4	86.5	87.1	86.0	85.6	87.8	87.1	86.5	89.1	86.7
35-49	86.0	89.2	89.8	89.9	88.7	88.5	88.9	90.6	91.9	92.5	93.8
50-64	88.3	89.0	88.7	92.3	89.9	87.6	90.4	89.5	94.3	93.4	93.4
65+	90.0	100.0	95.8	95.5	84.6	90.9	96.5	92.6	92.6	93.5	93.0
Male	81.7	87.6	86.7	89.2	87.7	87.4	89.2	89.5	91.2	92.1	92.4
Female	85.9	84.5	86.7	87.9	86.4	85.4	88.6	88.4	88.8	90.8	90.4
White	84.8	87.4	87.8	89.7	88.3	87.4	90.1	90.4	91.6	92.2	92.4
Black	72.4	76.7	78.1	80.4	78.7	81.7	83.3	83.3	84.3	87.5	87.1
Other	88.1	92.7	88.2	95.1	90.8	89.2	93.1	88.8	91.0	93.4	92.0
†Hispanic									90.2	91.0	92.3
†Non-Hispanic									90.2	91.7	91.4
Diabetes	84.7	88.3	86.3	88.3	87.3	86.9	89.9	92.4	93.6	94.1	93.7
Hypertension	75.8	84.3	84.7	84.3	85.1	88.2	86.4	86.6	91.2	90.6	87.3
Glomerulonephritis	78.5	84.9	86.7	87.0	86.3	83.0	87.3	86.2	87.8	90.2	90.1
Other	84.4	84.6	83.8	88.5	86.8	85.0	89.5	88.6	89.1	90.6	92.1
All	83.3	86.3	86.7	88.7	87.1	86.6	88.9	89.0	90.2	91.6	91.5

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.7 (continued)

Death-censored Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	62.1	64.5	70.0	77.9	71.9	79.7	72.1	76.0	83.3	80.8	79.5
18-34	74.5	74.1	77.1	77.5	80.4	80.3	79.2	78.6	79.0	80.5	79.8
35-49	83.9	82.4	82.2	86.5	84.7	84.1	83.2	83.6	83.2	85.7	86.3
50-64	90.5	85.0	83.3	85.9	82.8	86.1	86.6	84.7	86.0	85.6	89.8
65+	88.2	81.7	90.0	100.0	91.3	95.5	82.2	84.3	96.5	90.1	89.7
Male	81.0	78.8	76.6	82.2	81.0	82.7	81.3	82.2	82.4	84.5	85.9
Female	77.4	76.8	80.6	80.0	81.0	81.8	80.3	79.0	82.4	82.4	82.3
White	80.4	78.4	80.3	82.8	82.3	84.3	82.3	82.8	84.0	85.4	86.3
Black	69.0	71.4	63.3	68.8	68.3	68.1	70.4	70.9	74.3	75.4	75.8
Other	92.2	87.8	83.1	87.7	88.2	90.1	86.0	80.9	89.1	85.9	87.3
†Hispanic											85.7
†Non-Hispanic											84.2
Diabetes	79.8	77.1	76.6	82.5	81.4	83.7	81.9	80.6	85.6	87.9	87.7
Hypertension	79.1	79.1	70.4	76.9	76.5	74.1	78.1	81.4	76.2	77.6	83.6
Glomerulonephritis	78.4	77.4	72.7	79.0	80.7	78.0	78.6	76.0	77.7	79.6	81.9
Other	78.2	76.4	79.0	79.4	76.3	83.1	79.5	79.1	83.3	84.3	83.2
All	79.5	78.0	78.1	81.3	81.0	82.3	80.9	80.9	82.4	83.6	84.4

TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	48.9	40.4	47.6	45.3	42.7	45.9	48.1	48.9	61.0	55.5	61.3
18-34	61.3	60.5	59.6	61.7	59.5	59.9	58.1	63.4	63.1	64.1	65.3
35-49	65.5	69.8	71.8	65.4	70.4	71.4	67.8	71.6	72.7	73.2	72.0
50-64	67.0	81.5	84.5	74.6	78.3	80.5	75.1	71.7	76.8	72.0	72.1
65+	66.7	100.0	75.0	62.5	75.7	85.2	67.5	90.0	100.0	85.9	89.5
Male	60.9	63.1	64.4	62.6	63.9	68.2	64.1	62.6	68.6	67.3	70.9
Female	61.6	62.0	63.7	61.1	64.4	63.6	62.5	66.9	65.2	66.1	63.9
White	63.3	63.7	65.5	63.9	66.5	67.9	65.4	67.6	69.1	69.3	71.0
Black	46.5	53.1	52.5	46.2	47.6	52.1	49.2	42.4	50.8	46.5	48.5
Other	57.9	74.0	77.4	72.7	72.1	77.2	72.2	68.3	73.7	73.3	70.3
†Hispanic											
†Non-Hispanic											
Diabetes	53.4	63.9	60.7	57.9	65.0	62.0	58.9	61.1	64.9	64.9	65.8
Hypertension	60.3	59.1	56.6	55.2	58.4	64.3	58.2	51.6	56.2	58.4	54.9
Glomerulonephritis	55.1	58.0	62.2	60.4	61.0	64.5	62.5	56.3	61.4	63.1	64.1
Other	55.0	59.7	62.6	61.2	62.8	65.7	64.5	64.0	66.5	61.7	65.7
All	61.1	62.7	64.2	62.0	64.1	66.3	63.4	64.3	67.1	66.8	67.8

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.8

Death-censored Graft Survival Probabilities: First Transplant, Living Donor, Adjusted*by age, gender, race, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	89.9	93.8	93.6	92.1	94.9	95.4	93.4	96.3	96.2	97.0	95.3
18-34	93.4	94.1	93.7	95.5	95.5	95.1	96.0	96.1	96.5	96.7	96.8
35-49	93.3	94.6	93.7	94.2	93.7	94.8	96.5	97.1	97.7	96.9	97.0
50-64	93.9	96.1	95.4	93.5	95.3	94.5	97.8	97.1	96.7	97.2	98.2
65+	100.0	95.3	91.1	96.4	96.5	94.1	96.9	97.2	98.9	98.6	98.5
Male	93.4	94.8	94.6	94.9	95.4	95.0	97.3	97.3	97.3	97.9	97.5
Female	94.6	95.6	94.4	95.0	95.3	95.6	95.7	96.5	97.1	96.2	97.1
White	95.0	95.9	95.0	95.2	95.7	95.7	97.1	97.0	97.4	97.4	97.7
Black	93.3	93.4	94.2	95.7	95.2	95.3	95.7	97.8	97.7	97.7	97.0
Other	92.4	99.2	98.1	97.0	97.2	96.2	97.5	98.2	97.7	96.6	97.6
Diabetes	92.9	94.5	91.1	94.0	93.9	96.1	97.4	98.1	97.8	96.8	97.5
Hypertension	94.6	94.7	96.8	94.9	95.9	95.1	97.5	97.1	97.2	97.3	98.1
Glomerulonephritis	94.3	96.0	94.8	94.8	95.6	94.4	95.6	96.4	97.2	97.6	96.9
Other cause	93.4	94.8	94.2	93.8	95.2	95.2	96.2	96.4	96.6	96.9	97.4
All	94.0	95.2	94.6	95.0	95.4	95.3	96.6	97.0	97.2	97.2	97.4
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	85.8	90.8	91.1	89.5	93.4	93.5	92.3	94.8	95.6	95.8	93.3
18-34	91.5	92.5	91.3	93.2	93.9	93.3	94.3	94.6	94.4	95.2	94.8
35-49	91.1	92.6	92.2	92.3	92.6	93.3	95.2	96.0	96.6	96.1	96.0
50-64	90.3	94.3	93.3	89.9	93.2	92.9	96.1	96.2	95.8	96.4	97.1
65+	100.0	95.3	87.2	90.9	96.5	94.1	94.4	96.5	97.3	97.6	96.7
Male	91.0	93.3	93.0	92.4	94.1	93.8	96.0	96.1	96.4	97.1	96.2
Female	92.7	93.6	92.3	93.1	94.0	94.0	94.1	95.6	95.5	95.0	95.7
White	93.2	94.3	93.4	93.2	94.7	94.7	95.9	96.1	96.4	96.7	96.6
Black	89.2	91.6	91.6	93.3	92.7	93.0	93.9	96.5	95.9	95.7	95.2
Other	92.4	99.2	97.5	95.1	96.7	93.7	96.2	97.2	96.8	95.9	96.4
Diabetes	90.1	92.5	90.4	91.4	93.1	95.0	96.8	97.1	96.8	96.5	96.0
Hypertension	92.8	91.8	94.1	93.2	93.2	93.3	96.1	96.4	95.2	96.0	96.7
Glomerulonephritis	91.9	94.1	92.4	91.8	94.3	92.9	93.8	94.8	95.9	96.2	95.3
Other cause	91.3	93.1	92.1	91.8	94.2	93.4	94.6	95.4	95.3	95.9	96.1
All	91.8	93.5	92.7	92.7	94.0	93.9	95.2	95.9	96.0	96.2	96.0
TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	86.0	83.0	88.5	87.0	86.3	92.3	90.4	89.4	92.2	94.4	93.7
18-34	87.0	88.7	89.0	88.0	89.2	90.3	89.8	90.1	91.3	91.1	91.0
35-49	88.9	89.6	90.5	90.2	89.5	90.7	92.2	93.8	94.2	95.5	94.7
50-64	91.1	88.5	93.2	89.7	87.9	92.1	92.0	95.1	95.0	94.4	95.0
65+	.	100.0	95.5	87.5	90.9	96.6	94.1	93.0	94.4	94.5	96.7
Male	89.7	89.5	91.1	90.5	89.8	92.2	92.0	93.9	94.2	94.7	95.4
Female	89.5	90.1	91.4	89.4	90.1	91.8	92.0	91.8	93.3	93.5	92.4
White	91.3	91.8	92.6	91.4	90.9	93.3	93.2	94.2	94.5	94.8	95.2
Black	85.3	85.5	87.6	87.3	89.5	88.9	89.9	90.3	92.8	93.8	92.3
Other	94.8	88.8	97.5	94.2	92.6	94.4	92.2	94.4	96.1	94.8	93.4
Diabetes	89.6	87.9	91.1	89.0	89.3	91.2	93.8	94.7	95.5	95.5	94.6
Hypertension	88.8	89.7	88.9	89.7	91.4	90.8	91.8	93.7	93.2	92.7	92.8
Glomerulonephritis	90.0	90.5	90.6	90.0	87.5	91.8	90.1	91.0	92.9	93.3	94.3
Other cause	88.8	88.7	91.7	89.9	89.4	92.5	91.4	92.8	93.0	93.9	93.8
All	89.7	89.9	91.3	90.1	90.0	92.0	92.0	93.0	93.8	94.2	94.1

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Patients of unknown age, gender, race, or primary diagnosis are excluded.

"." Zero values in this cell.

Table G.8 (continued)
Death-censored Graft Survival Probabilities: First Transplant, Living Donor, Adjusted
by age, gender, race, & primary diagnosis

THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	75.9	82.9	77.5	85.6	82.5	82.2	89.0	88.1	86.9	90.5	91.9
18-34	80.9	82.8	85.1	86.1	84.8	84.6	87.5	87.0	86.4	88.9	86.6
35-49	84.3	87.5	88.3	88.5	87.6	87.3	88.2	89.8	91.3	91.8	93.2
50-64	87.8	88.1	87.6	91.7	89.4	87.0	90.0	89.0	94.0	93.0	92.8
65+	88.6	.	95.3	95.4	85.4	90.6	96.6	92.7	92.9	93.7	93.2
Male	82.4	87.9	86.8	89.3	88.0	87.6	89.8	89.9	91.6	92.2	92.2
Female	87.3	86.0	87.8	89.0	87.2	86.6	89.5	89.3	89.5	91.3	90.8
White	87.0	89.2	89.5	91.0	89.7	88.8	91.3	91.4	92.4	93.0	92.9
Black	77.7	81.4	82.6	84.0	82.0	84.6	85.6	85.9	86.7	89.4	89.1
Other	89.1	93.9	88.8	95.9	92.4	90.7	93.9	90.4	92.4	94.4	93.3
Diabetes	85.0	88.1	86.2	87.9	87.0	86.5	89.6	91.9	93.1	93.5	93.0
Hypertension	79.1	85.1	85.1	85.4	86.0	89.0	87.3	87.4	91.6	90.9	87.8
Glomerulonephritis	80.9	86.9	88.0	88.3	87.2	84.8	88.6	87.3	88.6	90.7	90.3
Other cause	86.2	86.1	85.4	89.9	87.8	86.2	90.3	89.4	89.9	90.9	92.4
All	84.4	87.1	87.3	89.2	87.7	87.2	89.7	89.7	90.7	91.8	91.6
FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	64.7	66.6	70.8	77.4	72.4	79.0	72.3	75.5	83.6	82.0	80.6
18-34	72.6	72.2	74.7	75.4	78.5	79.0	77.6	77.2	78.4	80.3	79.5
35-49	82.3	81.6	80.2	84.7	82.7	82.2	81.7	82.1	82.3	84.6	85.4
50-64	90.0	84.4	82.6	85.0	81.5	85.4	86.1	84.1	85.5	85.1	89.5
65+	87.9	81.1	88.4	.	88.8	95.1	83.1	83.6	96.5	90.3	89.8
Male	81.9	80.0	78.4	83.3	82.0	83.7	82.4	83.2	83.9	85.5	86.8
Female	78.7	78.4	82.5	82.0	82.6	83.5	81.5	80.8	83.8	83.8	83.4
White	82.7	81.1	83.4	85.5	85.0	86.6	84.6	85.1	86.1	87.1	87.8
Black	74.5	76.0	70.2	75.0	74.9	73.8	74.9	75.3	77.8	79.2	79.4
Other	93.1	89.2	84.6	89.9	88.8	91.8	88.5	83.7	90.4	87.9	89.4
Diabetes	79.2	76.6	76.6	81.7	80.9	82.8	81.0	79.8	84.8	87.0	86.4
Hypertension	81.1	81.4	74.3	78.2	77.3	75.8	79.4	82.6	77.6	78.9	84.2
Glomerulonephritis	79.0	78.7	75.5	81.5	82.4	79.9	79.7	78.3	79.7	81.0	82.9
Other cause	79.8	78.2	82.7	82.7	79.8	86.1	82.1	81.9	85.5	86.3	85.2
All	80.6	79.3	80.0	82.8	82.3	83.6	82.0	82.2	83.8	84.8	85.4
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	48.9	45.1	51.5	50.1	48.5	50.4	51.9	51.0	61.0	56.9	60.7
18-34	57.7	58.5	57.5	59.3	56.7	57.0	55.4	60.1	59.9	60.9	63.0
35-49	62.7	67.9	70.3	63.5	69.1	69.1	66.7	68.8	69.8	70.2	69.1
50-64	66.7	80.7	84.5	73.6	77.8	80.0	74.2	71.3	75.4	70.2	71.2
65+	74.5	.	77.5	67.4	72.4	84.9	67.2	90.4	.	82.3	89.7
Male	66.0	68.5	69.8	68.2	67.5	70.9	67.6	67.5	72.5	70.8	74.3
Female	66.3	66.6	67.9	65.1	68.1	65.3	65.1	70.5	69.0	69.3	67.7
White	70.3	70.2	72.0	70.3	71.7	72.0	70.1	73.5	74.7	74.4	76.0
Black	57.8	63.7	62.6	59.2	57.8	60.8	58.2	54.8	62.6	59.2	59.5
Other	68.5	77.9	80.0	78.4	75.1	80.4	76.6	72.0	79.4	75.6	76.5
Diabetes	54.1	63.9	61.2	57.3	64.3	60.6	57.5	60.7	63.0	63.9	63.7
Hypertension	67.1	65.9	61.9	61.2	63.1	67.3	62.6	58.2	59.9	60.8	58.6
Glomerulonephritis	58.6	61.7	64.9	63.6	63.9	65.4	64.6	60.1	65.2	65.9	66.9
Other cause	64.3	67.7	70.6	68.4	67.9	69.4	68.8	72.4	74.1	69.5	73.8
All	66.1	67.8	69.1	67.0	67.8	68.7	66.6	68.6	71.0	70.2	71.5

Age is calculated on the day of transplant.
 Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.
 Patients of unknown age, gender, race, or primary diagnosis are excluded.
 ". " Zero values in this cell.



Table G.9

Survival with Functioning Graft Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	94.6	98.5	98.1	97.4	98.9	98.7	97.7	98.0	98.6	98.6	98.3
18-34	98.0	98.4	98.2	98.8	98.6	98.2	98.7	99.5	98.8	99.0	99.0
35-49	96.4	97.5	97.1	97.7	98.0	97.9	97.7	97.5	98.2	98.0	98.1
50-64	94.8	95.7	95.2	95.5	96.1	95.7	96.0	95.9	96.9	95.9	96.3
65+	94.1	92.7	93.2	94.0	94.9	92.7	94.1	93.7	95.4	94.2	94.2
Male	96.2	97.0	96.7	96.9	97.2	97.0	97.0	97.4	97.8	97.2	97.1
Female	96.3	97.1	96.6	97.3	97.7	97.1	97.3	96.6	97.4	96.9	97.3
White	95.9	97.1	96.5	97.1	97.2	96.7	97.3	96.9	97.4	97.0	97.2
Black	96.9	97.0	97.0	97.0	97.7	97.6	96.5	97.2	97.9	97.2	97.0
Other	96.6	97.2	96.9	96.7	98.6	97.2	97.4	98.3	98.5	97.3	97.7
†Hispanic							98.7	97.1	98.5	97.5	97.8
†Non-Hispanic							96.9	97.1	97.5	97.0	97.1
Diabetes	95.5	96.2	95.4	96.6	96.3	96.1	96.7	96.4	96.7	96.1	96.8
Hypertension	96.8	97.4	96.6	97.1	97.8	96.8	97.1	97.1	98.3	97.5	95.9
Glomerulonephritis	97.3	98.2	97.6	98.0	98.7	98.0	98.0	98.2	98.2	98.5	98.4
Other	96.8	97.5	97.9	97.5	97.6	97.9	97.6	97.3	97.8	97.3	97.9
All	96.2	97.0	96.7	97.1	97.4	97.0	97.1	97.1	97.6	97.1	97.2
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	92.9	96.9	97.1	96.1	96.5	97.4	97.7	97.2	98.1	97.1	97.8
18-34	96.9	97.1	96.3	97.2	96.5	97.2	97.2	98.5	97.6	97.7	97.9
35-49	93.6	95.4	94.9	95.5	95.2	95.8	95.6	95.8	96.5	96.1	96.2
50-64	90.4	92.5	91.2	91.5	91.9	91.8	92.6	92.1	93.2	92.2	91.8
65+	87.0	87.2	89.4	86.7	88.4	87.5	89.5	87.1	89.5	88.6	88.9
Male	93.0	94.5	93.7	94.1	93.8	94.3	94.5	94.5	94.9	94.4	93.9
Female	93.6	95.0	94.4	94.5	94.7	94.6	94.8	94.3	95.2	94.3	94.5
White	92.9	94.5	93.8	94.2	93.8	94.0	94.6	94.3	94.7	94.3	94.1
Black	94.1	95.0	94.1	94.4	94.6	95.2	94.5	94.3	95.3	94.4	94.0
Other	93.8	95.8	95.7	94.0	96.1	94.7	94.9	96.4	96.6	94.5	94.9
†Hispanic							96.0	95.6	96.1	95.5	95.8
†Non-Hispanic							94.5	94.3	94.9	94.2	93.9
Diabetes	92.3	92.5	92.4	92.6	92.5	92.8	93.0	93.5	93.4	92.8	92.8
Hypertension	93.1	95.5	93.6	94.4	94.6	94.5	95.5	93.4	95.5	93.4	92.2
Glomerulonephritis	95.7	96.1	96.1	96.8	96.6	96.1	95.9	96.2	96.2	96.5	96.6
Other	94.5	95.9	95.2	95.3	94.0	95.3	95.4	95.0	95.8	95.4	95.7
All	93.2	94.7	94.0	94.2	94.1	94.4	94.6	94.4	95.0	94.4	94.1

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.9 (continued)

Survival with Functioning Graft Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	94.5	92.9	96.4	96.6	94.7	94.8	96.5	95.9	96.3	98.1	97.1
18-34	94.7	95.7	95.4	94.8	96.1	95.2	96.2	96.2	97.4	97.1	96.9
35-49	91.4	91.7	93.5	93.0	93.4	92.8	94.2	93.5	94.3	94.7	94.6
50-64	85.2	87.8	90.0	87.8	88.1	88.3	88.8	89.5	89.2	90.1	89.6
65+	80.8	82.7	83.0	84.3	81.8	82.9	81.6	84.1	82.4	84.1	83.8
Male	89.8	91.0	92.1	91.3	91.5	90.8	91.9	92.3	92.1	92.5	92.3
Female	91.5	91.8	93.4	92.0	92.5	92.5	92.8	91.9	92.7	93.0	92.4
White	90.5	91.0	92.5	91.6	91.9	91.1	92.0	92.0	92.1	92.6	92.5
Black	90.5	92.0	92.3	91.2	91.2	91.5	92.6	92.0	92.5	92.4	91.6
Other	90.1	92.5	94.2	93.2	93.5	93.7	92.5	94.2	93.6	94.7	92.8
†Hispanic								93.8	93.3	95.3	94.4
†Non-Hispanic								92.0	92.2	92.4	92.1
Diabetes	89.1	89.3	89.4	88.7	89.5	88.8	90.0	89.6	90.0	90.1	90.1
Hypertension	89.7	91.0	92.7	91.0	91.4	92.6	92.0	92.7	91.8	93.0	91.0
Glomerulonephritis	93.7	94.2	94.9	94.8	95.5	95.1	94.6	94.1	95.0	95.4	95.2
Other	92.2	93.2	94.4	93.6	93.5	90.8	93.7	93.9	93.7	94.0	93.7
All	90.5	91.3	92.6	91.6	91.9	91.4	92.2	92.1	92.3	92.7	92.3
THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	95.1	94.0	92.4	95.7	95.0	94.7	94.8	96.5	95.4	95.5	98.1
18-34	93.0	93.5	94.5	94.2	93.9	94.6	94.3	95.6	95.3	96.4	96.4
35-49	88.9	89.2	89.4	91.8	90.6	91.6	91.0	92.2	91.7	92.3	93.1
50-64	80.9	82.3	84.5	85.8	84.5	84.3	85.1	85.2	86.8	85.6	86.7
65+	68.8	73.6	76.9	77.5	78.4	76.5	77.6	75.9	79.0	75.0	78.7
Male	86.3	87.6	88.4	89.4	88.7	88.9	88.6	89.5	90.3	89.3	89.9
Female	89.2	89.2	89.7	91.4	89.6	90.2	90.3	90.5	89.6	90.0	90.8
White	87.9	88.4	88.4	90.3	89.0	89.5	89.0	89.6	90.1	89.4	89.9
Black	85.5	87.4	89.7	89.4	88.7	88.7	89.1	90.0	89.4	89.3	90.4
Other	87.7	88.7	91.7	91.9	91.9	90.5	91.7	91.5	91.8	91.6	93.1
†Hispanic									92.2	91.3	93.6
†Non-Hispanic									89.8	89.4	89.9
Diabetes	84.7	86.1	86.2	86.9	84.9	86.0	86.1	86.9	86.6	86.4	86.6
Hypertension	87.1	86.1	88.9	89.6	88.1	89.2	90.3	89.2	90.3	89.1	90.6
Glomerulonephritis	90.6	92.3	92.9	93.1	93.3	93.9	93.0	93.1	93.0	93.0	93.2
Other	90.5	91.2	90.8	92.4	91.8	91.5	88.9	91.8	92.4	91.2	92.5
All	87.4	88.2	88.9	90.2	89.1	89.4	89.2	89.9	90.0	89.6	90.3

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.9 (continued)

Survival with Functioning Graft Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	90.8	94.1	91.0	94.0	91.8	94.4	93.8	91.4	93.8	95.4	93.8
18-34	88.7	89.0	90.1	90.8	92.3	92.0	90.7	91.6	92.5	93.5	93.0
35-49	76.8	77.2	83.5	85.0	84.4	85.7	85.4	87.7	86.3	88.2	87.5
50-64	66.3	68.0	72.0	74.4	76.7	76.6	75.7	74.8	76.8	77.4	79.2
65+	45.7	58.6	59.5	65.0	64.1	64.7	63.5	61.8	62.6	64.2	65.9
Male	76.4	76.3	80.0	82.0	82.5	82.5	82.0	82.4	82.2	84.1	84.5
Female	82.0	82.8	83.7	85.6	85.1	86.1	84.1	84.7	85.6	85.4	84.3
White	79.0	78.9	82.5	83.3	83.2	84.1	82.8	83.6	83.5	84.2	84.4
Black	76.4	75.9	77.2	82.8	83.4	83.0	81.4	81.3	82.7	84.6	83.6
Other	77.2	85.4	83.4	86.4	87.3	85.5	87.8	87.0	86.4	88.5	88.3
†Hispanic											87.9
†Non-Hispanic											84.1
Diabetes	73.0	69.9	75.9	78.2	78.4	78.9	75.8	77.3	77.7	79.9	79.0
Hypertension	77.5	75.0	79.7	80.9	83.5	83.0	81.4	81.4	83.8	82.8	83.9
Glomerulonephritis	83.8	84.8	86.5	89.2	89.0	88.0	88.8	90.0	89.0	88.9	89.3
Other	82.3	83.2	86.3	87.2	86.2	88.0	87.0	87.7	85.8	88.2	88.5
All	78.4	78.7	81.5	83.4	83.6	83.9	82.9	83.3	83.5	84.6	84.5

TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	91.0	95.1	92.4	92.8	88.5	87.4	88.5	90.3	91.3	90.4	91.8
18-34	77.2	76.8	80.4	78.4	81.8	81.2	82.4	83.5	82.7	83.9	84.9
35-49	53.1	57.8	60.4	61.6	63.3	61.0	61.1	67.6	70.3	70.2	69.5
50-64	40.5	36.8	36.7	40.6	35.2	42.5	43.7	48.4	51.5	52.0	52.4
65+	0.0	20.0	8.3	14.0	11.9	16.1	34.8	29.8	32.9	30.9	31.7
Male	61.6	60.8	63.2	61.4	60.8	60.2	60.1	63.0	65.0	64.6	64.6
Female	66.7	69.7	69.7	69.3	69.8	68.9	68.1	69.0	71.6	70.3	70.4
White	64.5	65.0	67.5	66.1	65.6	64.1	64.0	66.4	67.4	66.6	66.5
Black	56.0	57.1	53.6	55.9	55.7	58.6	55.4	56.5	65.5	65.0	65.2
Other	70.5	77.0	74.9	67.0	70.7	66.1	72.9	75.3	73.7	74.9	76.7
†Hispanic											
†Non-Hispanic											
Diabetes	49.6	52.2	48.0	47.9	48.8	50.2	48.9	51.9	55.7	55.2	54.1
Hypertension	64.9	60.1	59.8	60.7	55.7	57.7	58.5	59.7	61.5	65.6	63.3
Glomerulonephritis	77.1	73.8	79.6	71.8	78.1	74.5	71.4	74.3	76.5	76.1	76.3
Other	75.5	74.0	74.1	73.8	70.9	71.2	72.1	72.7	73.9	70.6	72.6
All	63.5	64.1	65.6	64.4	64.0	63.4	63.2	65.3	67.5	66.9	66.9

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.10

Survival with Functioning Graft Probabilities: First Transplant, Cadaveric, Adjusted*by age, gender, race, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	94.3	98.5	98.2	97.5	98.9	98.7	97.4	98.3	98.5	98.5	98.2
18-34	98.0	98.4	98.1	98.8	98.6	98.3	98.7	99.5	98.7	98.9	98.9
35-49	96.5	97.6	97.2	97.8	98.1	98.0	97.8	97.6	98.3	98.0	98.1
50-64	94.7	95.7	95.2	95.5	96.1	95.8	96.0	96.0	96.9	96.0	96.3
65+	93.9	92.5	93.0	94.0	94.9	92.6	94.3	93.7	95.6	94.1	94.2
Male	95.8	96.7	96.5	96.8	97.2	97.0	97.0	97.5	98.0	97.4	97.5
Female	95.6	96.7	96.2	97.0	97.5	96.9	97.3	96.6	97.5	97.0	97.5
White	95.5	96.8	96.3	97.0	97.1	96.8	97.4	97.1	97.6	97.3	97.6
Black	96.5	96.4	96.5	96.7	97.5	97.5	96.4	97.1	98.0	97.3	97.1
Other	96.1	96.6	96.4	96.4	98.8	96.8	97.5	98.2	98.5	97.5	97.9
Diabetes	94.7	95.7	94.8	96.3	96.2	96.0	96.6	96.5	96.9	96.4	97.2
Hypertension	97.0	97.6	96.9	97.4	98.0	97.2	97.6	97.5	98.6	98.0	96.8
Glomerulonephritis	96.8	98.0	97.2	97.6	98.5	97.8	97.9	98.1	98.1	98.4	98.4
Other cause	96.3	97.1	97.7	97.2	97.5	97.8	97.5	97.4	97.8	97.3	98.0
All	95.7	96.7	96.4	96.9	97.3	97.0	97.1	97.2	97.8	97.3	97.5
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	92.5	96.9	97.2	96.1	96.4	97.3	97.4	96.9	97.9	96.8	97.7
18-34	96.9	97.0	96.3	97.3	96.4	97.2	97.2	98.5	97.5	97.6	97.7
35-49	93.7	95.5	95.0	95.6	95.4	96.0	95.8	95.9	96.6	96.3	96.3
50-64	90.2	92.5	91.0	91.5	92.0	91.8	92.7	92.2	93.3	92.3	92.0
65+	86.6	86.9	89.1	86.5	88.3	87.5	89.3	87.0	89.5	88.5	89.0
Male	92.3	94.0	93.3	93.9	93.7	94.3	94.6	94.8	95.3	94.9	94.7
Female	92.5	94.3	93.7	94.0	94.4	94.2	94.7	94.3	95.3	94.4	94.9
White	92.1	94.1	93.5	93.9	93.7	94.1	94.8	94.6	95.2	94.8	94.9
Black	93.1	94.1	93.1	94.1	94.1	94.7	94.3	94.2	95.4	94.6	94.3
Other	92.9	94.9	95.0	93.5	96.0	94.0	94.6	96.1	96.5	94.9	95.2
Diabetes	91.0	91.4	91.6	91.9	92.2	92.5	93.0	93.6	93.8	93.4	93.7
Hypertension	93.6	95.8	94.3	95.0	95.2	95.1	96.2	94.5	96.3	94.7	93.9
Glomerulonephritis	94.9	95.3	95.3	96.3	96.1	95.8	95.7	95.9	96.0	96.4	96.6
Other cause	93.6	95.4	94.7	94.8	93.5	95.0	95.2	94.8	95.8	95.4	95.9
All	92.4	94.1	93.5	93.9	94.0	94.3	94.6	94.6	95.3	94.7	94.8
TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	94.8	92.6	96.3	96.7	94.8	94.7	96.4	95.5	96.1	98.0	96.9
18-34	94.9	95.7	95.3	94.8	96.2	95.1	96.2	96.2	97.3	97.0	96.7
35-49	91.7	91.8	93.6	93.0	93.6	93.1	94.4	93.8	94.4	94.8	94.8
50-64	85.1	87.6	89.9	87.7	88.2	88.5	88.9	89.6	89.3	90.3	89.8
65+	80.4	82.2	82.6	84.0	81.6	82.8	81.5	83.9	82.4	84.0	83.7
Male	88.6	90.1	91.4	90.8	91.2	90.7	91.9	92.5	92.5	93.1	93.0
Female	89.8	90.5	92.5	91.1	91.8	92.0	92.3	91.8	92.6	93.2	92.6
White	89.1	90.0	92.0	91.2	91.6	91.1	92.2	92.3	92.5	93.3	93.2
Black	89.2	90.7	91.1	89.9	90.7	90.9	92.0	91.7	92.5	92.6	92.0
Other	88.8	91.4	92.8	92.1	92.9	93.7	91.6	93.9	93.2	94.5	93.3
Diabetes	86.8	87.6	88.1	87.7	88.7	88.5	89.7	89.6	90.2	90.8	90.9
Hypertension	90.2	91.7	93.2	92.0	92.4	93.4	92.9	93.9	93.1	94.3	92.8
Glomerulonephritis	92.2	93.2	93.9	93.9	94.8	94.5	94.0	93.7	94.6	95.0	95.0
Other cause	90.8	92.2	93.7	92.9	92.9	90.1	93.3	93.6	93.5	94.0	93.7
All	89.1	90.2	91.8	90.9	91.5	91.2	92.1	92.2	92.5	93.2	92.9

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.10 (continued)
Survival with Functioning Graft Probabilities: First Transplant, Cadaveric, Adjusted
by age, gender, race, & primary diagnosis

THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	95.0	94.3	92.0	95.7	95.0	94.8	94.8	96.4	94.9	95.1	97.9
18-34	93.0	93.7	94.5	94.2	93.8	94.7	94.3	95.6	95.3	96.3	96.3
35-49	89.0	89.5	89.6	91.9	90.6	91.9	91.3	92.5	92.0	92.4	93.2
50-64	80.8	82.1	84.3	85.7	84.3	84.4	85.2	85.3	86.9	85.8	86.9
65+	68.3	73.4	76.5	77.3	78.2	76.4	77.6	76.1	78.9	75.0	78.8
Male	84.7	86.2	87.3	88.6	88.1	88.6	88.5	89.6	90.5	89.8	90.8
Female	87.0	87.3	88.1	90.2	88.5	89.4	89.7	89.9	89.5	90.0	91.1
White	86.1	86.8	87.3	89.5	88.4	89.2	88.9	89.8	90.4	90.0	90.8
Black	84.2	85.8	88.2	87.8	87.0	88.0	88.4	89.2	89.1	89.3	90.5
Other	84.8	87.0	90.4	90.1	90.5	89.6	91.7	90.5	91.4	91.0	92.9
Diabetes	82.1	83.2	84.2	85.2	83.4	84.8	85.6	86.4	86.5	86.6	87.3
Hypertension	87.8	86.8	89.8	90.5	89.5	90.5	91.4	90.5	91.8	91.0	92.5
Glomerulonephritis	88.2	90.5	91.6	91.7	92.1	92.9	92.2	92.5	92.6	92.5	92.8
Other cause	88.9	89.6	89.4	91.5	90.9	90.7	88.1	91.3	92.1	90.9	92.5
All	85.6	86.6	87.6	89.2	88.2	88.9	89.0	89.7	90.1	89.9	90.9
FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	88.5	93.1	90.5	94.2	91.2	94.2	93.8	91.4	93.7	95.2	93.0
18-34	88.1	88.4	90.0	91.2	92.3	92.0	90.7	91.8	92.5	93.6	93.1
35-49	76.8	77.3	83.8	85.5	84.6	86.0	85.5	88.1	86.9	88.6	88.0
50-64	65.5	67.3	71.8	74.1	76.5	76.4	75.4	74.9	77.1	77.6	79.3
65+	44.6	58.7	58.9	65.0	63.5	64.3	63.1	61.7	62.7	64.5	65.8
Male	71.3	72.5	78.3	80.2	81.2	81.4	81.3	82.2	82.3	84.3	85.0
Female	76.3	78.5	80.8	83.2	83.0	84.5	82.4	83.7	84.9	84.6	84.4
White	73.5	74.6	80.2	81.2	81.8	83.1	82.1	83.1	83.4	84.5	85.0
Black	72.1	73.0	75.9	81.0	81.4	80.9	79.4	80.6	81.9	83.6	83.3
Other	70.2	80.9	79.6	84.5	85.4	82.6	85.7	85.7	86.3	87.2	87.7
Diabetes	66.8	65.3	72.7	74.4	75.8	76.9	74.0	75.9	77.3	79.6	79.2
Hypertension	77.0	74.8	81.1	82.2	85.0	84.5	83.8	83.8	85.8	84.8	86.5
Glomerulonephritis	78.5	80.1	83.5	87.0	87.3	85.9	87.2	88.6	87.9	88.0	88.8
Other cause	76.8	79.2	84.0	84.9	84.2	86.5	85.7	86.4	84.7	87.4	88.0
All	73.1	74.7	79.2	81.3	81.9	82.6	81.7	82.7	83.3	84.5	84.7
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	89.6	94.2	90.4	91.1	85.9	83.9	86.5	90.0	91.8	89.8	91.6
18-34	77.3	76.2	78.8	76.6	80.0	79.8	80.8	83.2	83.2	83.8	84.9
35-49	56.1	58.6	59.2	60.5	62.7	61.0	61.3	68.2	71.3	70.8	70.1
50-64	41.8	36.7	36.6	39.8	34.5	41.4	42.8	48.0	51.1	51.3	52.0
65+	0.0	19.6	11.4	14.3	10.8	15.3	34.9	29.6	33.1	31.1	32.0
Male	52.2	50.3	52.4	52.9	51.5	53.2	55.3	60.7	62.7	63.0	63.1
Female	54.8	58.4	58.4	59.0	61.3	61.4	62.1	65.2	68.4	67.6	68.2
White	54.3	53.3	55.6	56.4	56.2	56.6	58.3	63.4	64.9	64.9	65.3
Black	49.9	50.0	47.1	48.9	49.0	53.6	53.1	55.9	63.5	62.5	62.7
Other	59.9	67.4	65.5	59.5	60.4	58.5	66.4	70.9	70.5	72.0	72.2
Diabetes	38.5	40.8	37.5	39.0	40.7	42.4	43.9	47.8	50.4	51.6	51.3
Hypertension	56.7	56.8	56.4	60.4	55.2	58.7	59.8	63.5	65.1	69.5	67.2
Glomerulonephritis	62.6	60.3	67.3	61.4	68.5	67.2	63.4	69.5	72.4	72.7	72.4
Other cause	62.1	60.6	62.6	63.9	61.2	63.6	66.5	69.4	70.6	68.1	70.3
All	53.5	53.3	54.7	55.2	55.1	56.1	57.8	62.4	64.8	64.7	65.1

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.11

Survival with Functioning Graft Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	93.0	98.7	97.1	99.7	99.3	98.0	99.4	100.0	99.1	99.2	99.7
18-34	99.1	99.4	99.6	99.1	99.5	99.2	99.8	99.5	99.4	99.8	99.8
35-49	97.8	99.0	99.2	99.3	99.6	99.2	98.8	99.1	99.2	99.2	99.2
50-64	97.1	97.7	97.9	98.3	98.1	97.2	97.3	98.1	98.5	98.2	98.6
65+	93.1	90.5	93.9	98.2	100.0	95.7	96.0	96.4	96.2	97.6	96.3
Male	97.6	98.9	98.8	99.2	99.1	98.4	98.6	99.0	98.9	99.0	99.0
Female	97.4	98.8	98.8	98.9	99.4	98.7	98.9	98.8	99.0	99.0	99.0
White	97.4	98.9	98.8	99.1	99.2	98.6	98.5	98.9	98.9	99.0	98.9
Black	97.7	98.4	98.5	98.8	99.0	98.3	99.2	98.7	99.3	99.0	98.9
Other	99.0	100.0	99.2	99.3	100.0	98.9	100.0	99.6	99.2	98.6	99.7
†Hispanic							97.9	99.3	99.0	99.8	99.3
†Non-Hispanic							98.8	98.9	98.9	98.9	98.9
Diabetes	97.1	98.0	98.0	98.6	98.3	97.7	98.3	97.5	97.7	99.0	98.4
Hypertension	94.9	100.0	98.6	99.4	99.4	98.4	99.0	99.1	99.1	98.1	98.6
Glomerulonephritis	98.0	99.5	99.2	99.4	99.6	99.4	99.4	99.7	99.6	99.0	99.3
Other	98.0	99.2	98.8	99.1	99.7	98.7	98.4	99.1	99.2	99.3	99.4
All	97.5	98.9	98.8	99.1	99.2	98.6	98.7	98.9	98.9	99.0	99.0
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	91.1	98.1	96.4	98.6	97.4	97.2	98.8	99.4	99.1	99.2	99.7
18-34	98.6	98.7	99.0	98.5	99.4	98.6	99.5	98.6	99.1	99.2	99.3
35-49	97.3	98.2	97.9	98.0	98.3	98.5	98.0	97.8	98.3	98.2	98.2
50-64	94.5	94.6	95.5	95.0	95.8	94.4	95.1	95.6	96.6	96.5	96.6
65+	89.7	90.5	83.2	90.7	100.0	92.4	94.3	95.0	91.8	94.6	94.4
Male	96.5	97.7	97.3	97.6	97.7	96.9	97.9	98.0	97.7	97.6	97.7
Female	96.5	98.0	97.6	97.4	98.7	98.0	97.6	96.8	98.1	98.2	98.0
White	96.2	97.9	97.7	97.7	98.3	97.3	97.6	97.4	97.9	98.0	97.9
Black	97.7	96.3	96.2	96.8	97.8	97.0	97.8	97.3	97.2	97.5	97.6
Other	99.0	100.0	97.0	97.8	97.5	98.9	99.5	99.6	98.5	97.5	97.7
†Hispanic							97.2	98.6	98.6	99.1	97.5
†Non-Hispanic							97.9	97.3	97.7	97.7	97.9
Diabetes	95.9	96.1	96.5	95.6	96.7	96.1	96.7	94.9	95.8	96.6	97.0
Hypertension	94.9	98.1	97.1	97.1	98.0	96.7	97.5	97.2	97.8	96.9	96.1
Glomerulonephritis	96.8	98.5	98.3	98.9	98.8	98.7	99.1	98.9	99.2	98.3	98.2
Other	97.3	98.9	97.5	98.2	99.0	97.2	97.6	98.2	98.3	98.7	98.5
All	96.5	97.8	97.4	97.6	98.2	97.3	97.8	97.5	97.9	97.9	97.8

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.11 (continued)

Survival with Functioning Graft Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	97.9	90.7	98.1	96.4	98.0	97.4	96.3	97.5	98.1	98.2	98.1
18-34	96.2	98.2	97.6	98.1	98.0	99.0	97.9	98.8	98.1	98.3	98.7
35-49	97.5	96.1	95.5	96.8	97.1	96.9	97.1	96.4	97.0	97.0	97.0
50-64	92.9	92.8	92.5	94.4	92.5	93.4	91.7	93.2	94.1	95.0	95.0
65+	71.4	86.2	85.7	83.2	88.8	92.7	87.0	90.9	92.8	90.1	92.2
Male	95.9	95.6	96.0	96.3	96.7	96.7	95.3	96.4	97.0	96.4	96.3
Female	96.9	95.8	96.4	96.9	96.4	97.5	96.4	96.2	95.9	96.9	97.3
White	96.4	95.4	96.3	96.9	96.7	97.2	95.8	96.2	96.5	96.7	96.8
Black	94.8	96.7	94.2	94.6	95.8	96.3	95.6	96.4	95.8	96.0	96.2
Other	98.7	98.1	100.0	96.2	97.1	96.2	96.4	98.4	98.7	96.9	97.5
†Hispanic								96.6	98.2	98.0	98.7
†Non-Hispanic								96.3	96.3	96.4	96.5
Diabetes	96.2	94.7	92.9	94.7	94.1	95.1	92.9	94.1	93.1	93.3	94.2
Hypertension	96.6	93.6	97.1	95.6	95.7	96.7	95.6	95.5	96.4	96.9	96.7
Glomerulonephritis	96.2	96.3	97.6	97.8	98.3	98.2	97.3	98.0	98.7	98.6	97.4
Other	97.3	96.5	98.0	96.7	97.8	97.5	96.3	96.6	97.1	97.2	97.6
All	96.3	95.7	96.2	96.6	96.6	97.0	95.8	96.3	96.5	96.6	96.7
THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	93.5	97.5	90.7	98.1	96.0	97.7	97.4	96.3	96.9	97.2	97.9
18-34	96.2	95.7	96.9	96.4	97.2	97.3	98.2	97.2	98.3	97.8	97.4
35-49	95.5	95.8	95.0	94.0	95.9	95.4	95.8	96.1	95.5	95.8	96.0
50-64	86.8	87.7	91.5	89.4	92.8	87.9	89.2	89.4	90.7	92.0	93.4
65+	77.8	71.4	82.8	85.7	78.8	83.0	85.5	81.6	87.4	88.3	85.5
Male	94.5	94.5	94.0	94.6	95.2	94.7	95.3	94.1	95.2	95.5	94.9
Female	94.3	95.4	95.2	95.1	95.9	95.1	95.6	95.2	95.0	94.8	96.0
White	94.7	94.9	94.2	95.0	95.9	94.9	95.7	94.4	95.0	95.3	95.3
Black	94.4	93.2	95.7	92.3	93.5	94.7	95.2	94.8	94.8	94.6	95.1
Other	91.6	98.7	97.0	98.0	94.5	94.7	92.2	96.4	97.4	95.7	96.5
†Hispanic									95.8	97.2	97.4
†Non-Hispanic									95.0	94.9	95.1
Diabetes	91.0	93.8	91.9	90.0	92.1	91.4	92.2	90.3	92.2	90.1	91.1
Hypertension	91.3	93.0	92.9	96.1	95.2	92.4	94.6	94.1	93.5	94.4	95.6
Glomerulonephritis	97.8	95.8	95.5	96.8	96.9	97.0	97.0	96.3	97.4	98.1	98.1
Other	96.8	96.2	95.9	97.5	95.9	96.0	96.5	95.9	95.8	96.4	95.9
All	94.5	94.9	94.5	94.8	95.5	94.8	95.4	94.6	95.1	95.2	95.3

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.11 (continued)

Survival with Functioning Graft Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	94.7	96.0	92.0	96.6	89.3	98.1	95.6	96.7	97.0	96.0	96.6
18-34	93.8	94.4	94.5	94.5	95.2	95.2	95.5	95.3	96.9	95.7	97.0
35-49	91.2	92.4	90.0	93.1	92.6	89.8	92.0	92.2	92.3	93.0	92.6
50-64	89.7	88.5	78.8	79.5	82.3	82.2	87.4	80.6	83.0	84.0	84.5
65+	85.0	82.6	77.8	71.4	75.6	81.0	65.3	72.9	74.5	72.5	80.5
Male	91.6	91.5	91.4	91.9	91.3	91.8	92.4	91.1	91.7	91.0	92.2
Female	92.8	94.0	90.5	93.0	92.0	92.0	92.1	92.0	93.1	92.4	91.7
White	92.0	92.3	91.7	92.9	90.9	92.1	92.8	91.6	92.6	91.2	91.9
Black	93.2	93.9	89.3	86.4	94.5	89.0	89.2	90.7	92.1	92.8	92.2
Other	90.8	91.7	84.1	97.3	96.0	95.9	92.9	91.4	89.5	93.3	92.4
†Hispanic											93.5
†Non-Hispanic											91.8
Diabetes	86.4	86.8	85.4	89.3	85.7	83.3	86.1	84.1	84.6	84.9	86.3
Hypertension	93.6	95.0	85.6	89.2	86.9	92.2	91.8	88.4	91.1	89.4	88.6
Glomerulonephritis	94.7	94.2	95.9	93.6	93.4	94.7	94.6	95.4	95.8	95.4	95.1
Other	94.7	93.7	94.6	94.8	94.7	95.9	94.0	93.5	94.5	92.9	94.6
All	92.1	92.5	91.0	92.4	91.6	91.9	92.3	91.5	92.3	91.6	92.0

TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	88.4	90.4	86.4	93.5	95.5	90.6	92.0	90.6	94.2	87.0	95.0
18-34	85.9	84.1	85.1	87.1	87.3	87.8	87.4	90.4	90.1	92.0	91.1
35-49	71.9	69.4	74.4	74.6	73.6	76.8	78.7	74.0	81.1	81.4	78.5
50-64	60.4	55.6	64.5	68.2	65.0	66.8	67.7	62.7	59.3	55.8	63.9
65+	100.0	0.0	66.7	80.0	41.3	48.0	59.3	33.3	28.6	64.2	61.0
Male	78.1	75.1	77.5	80.5	76.3	77.0	77.7	82.1	81.7	81.9	82.6
Female	83.3	78.9	81.8	82.1	82.3	82.1	83.6	82.0	86.0	83.8	84.2
White	80.3	75.6	79.6	81.8	78.5	78.9	79.5	82.7	84.1	82.3	83.8
Black	78.6	79.1	73.2	73.1	77.9	75.7	80.7	80.7	75.0	82.7	77.4
Other	82.0	82.5	86.7	87.8	82.2	84.2	83.6	75.5	92.6	87.2	88.4
†Hispanic											
†Non-Hispanic											
Diabetes	63.9	54.2	55.8	60.7	61.2	64.7	67.9	67.1	71.6	71.0	62.9
Hypertension	85.8	71.0	78.4	83.3	79.8	75.4	80.4	78.3	75.8	76.2	85.1
Glomerulonephritis	87.9	86.3	88.0	84.4	86.5	86.9	84.0	89.4	87.9	86.2	89.0
Other	84.9	88.0	83.5	89.3	85.9	84.4	85.5	89.3	88.0	89.3	92.4
All	80.2	76.5	79.2	81.1	78.7	79.0	80.0	82.0	83.5	82.7	83.3

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.12

Survival with Functioning Graft Probabilities: First Transplant, Living Donor, Adjusted*by age, gender, race, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	90.8	98.3	96.2	99.6	99.1	97.4	99.2	100.0	98.8	98.9	99.6
18-34	99.1	99.4	99.6	99.0	99.4	99.1	99.8	99.4	99.3	99.8	99.8
35-49	97.8	99.0	99.2	99.3	99.5	99.2	98.8	99.0	99.2	99.2	99.1
50-64	97.0	97.7	97.9	98.3	98.2	97.2	97.3	98.1	98.5	98.4	98.7
65+	92.2	89.9	93.5	98.3	100.0	95.9	95.8	96.3	96.1	97.6	96.4
Male	96.0	98.2	98.1	98.8	98.8	97.9	98.2	98.8	98.7	98.9	98.9
Female	95.9	98.2	98.4	98.5	99.1	98.3	98.5	98.4	98.8	98.9	98.9
White	95.8	98.2	98.2	98.7	98.9	98.1	98.1	98.6	98.6	99.0	98.9
Black	96.0	97.5	97.9	98.3	98.6	97.8	98.9	98.5	99.2	98.8	98.8
Other	98.6	100.0	98.8	99.0	100.0	98.4	100.0	99.5	99.1	98.2	99.7
Diabetes	96.0	97.4	97.5	98.3	98.0	97.6	98.2	97.6	97.8	99.1	98.6
Hypertension	93.3	100.0	98.3	99.2	99.3	98.3	99.0	99.1	99.1	98.3	98.7
Glomerulonephritis	96.4	99.0	98.6	99.0	99.3	99.1	99.2	99.6	99.5	98.8	99.1
Other cause	96.6	98.5	98.0	98.5	99.6	97.9	97.7	98.8	98.9	99.0	99.3
All	96.0	98.2	98.2	98.7	98.9	98.1	98.3	98.6	98.7	98.9	98.9
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	88.3	97.4	95.2	98.1	96.7	96.3	98.4	99.2	98.8	98.9	99.6
18-34	98.6	98.6	98.9	98.4	99.3	98.4	99.4	98.2	98.9	99.1	99.1
35-49	97.3	98.2	97.9	97.9	98.3	98.5	97.9	97.7	98.2	98.1	98.1
50-64	94.4	94.8	95.4	95.1	95.8	94.3	95.1	95.5	96.6	96.5	96.6
65+	88.3	89.9	82.4	90.9	100.0	92.8	94.1	94.8	91.6	94.7	94.5
Male	94.2	96.2	95.8	96.5	96.7	95.8	97.2	97.5	97.2	97.3	97.5
Female	94.6	96.9	96.7	96.4	98.3	97.4	96.9	96.0	97.6	98.0	97.8
White	93.8	96.7	96.5	96.6	97.5	96.4	96.9	96.7	97.5	97.8	97.7
Black	96.0	94.4	94.9	95.6	96.9	96.0	97.2	96.7	96.6	97.1	97.5
Other	98.6	100.0	95.0	96.9	96.8	98.4	99.2	99.5	98.1	96.8	97.5
Diabetes	94.3	95.0	95.6	94.7	96.1	95.9	96.5	95.1	96.0	96.9	97.4
Hypertension	93.3	97.5	96.6	96.5	97.6	96.6	97.6	97.2	97.8	97.1	96.5
Glomerulonephritis	94.4	97.4	97.2	98.2	98.0	98.1	98.7	98.4	98.9	97.8	97.8
Other cause	95.3	97.9	95.9	97.0	98.4	95.7	96.5	97.6	97.7	98.2	98.2
All	94.4	96.5	96.2	96.5	97.4	96.5	97.1	96.9	97.4	97.6	97.7
TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	96.9	87.1	97.2	94.9	97.1	96.5	94.8	96.5	97.3	97.4	97.2
18-34	96.1	98.1	97.4	98.0	97.9	98.9	97.6	98.6	97.7	97.9	98.4
35-49	97.5	96.0	95.6	96.8	97.0	96.9	97.0	96.2	96.8	96.8	96.9
50-64	92.9	92.6	92.7	94.3	92.5	93.4	91.5	93.2	94.0	95.0	95.1
65+	73.2	84.3	84.6	82.4	88.8	91.8	87.3	90.4	92.4	89.7	92.1
Male	92.9	92.6	93.5	94.3	95.1	95.1	93.7	95.3	96.1	95.7	95.8
Female	95.0	93.3	94.5	95.7	94.9	96.5	95.3	95.0	94.9	96.1	96.9
White	94.0	92.5	94.1	95.4	95.2	96.0	94.4	95.0	95.6	96.1	96.4
Black	91.5	94.0	91.1	92.5	94.1	94.8	94.0	95.3	94.9	95.0	95.7
Other	97.7	97.3	100.0	93.7	95.8	95.2	95.3	97.6	98.4	96.2	96.8
Diabetes	94.6	92.6	91.1	93.3	92.9	94.2	92.4	93.8	93.3	93.6	94.8
Hypertension	95.5	91.5	96.2	94.8	94.9	96.2	95.4	95.6	96.5	97.0	96.9
Glomerulonephritis	92.7	93.2	95.6	96.3	97.0	97.0	95.8	97.1	98.1	98.0	96.4
Other cause	94.8	93.9	96.2	94.6	96.3	95.9	94.2	94.9	95.9	96.2	96.7
All	93.8	92.9	94.0	94.9	95.0	95.7	94.4	95.2	95.6	95.9	96.3

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.12 (continued)

Survival with Functioning Graft Probabilities: First Transplant, Living Donor, Adjusted*by age, gender, race, & primary diagnosis*

THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	91.4	96.6	87.7	97.3	94.6	96.8	96.6	95.0	95.8	96.1	97.1
18-34	96.4	95.7	96.8	96.2	97.0	97.2	98.1	96.7	97.9	97.3	96.7
35-49	95.5	95.9	95.0	94.2	95.9	95.4	95.8	96.0	95.3	95.5	95.7
50-64	87.0	87.7	91.2	89.5	92.5	88.0	89.3	89.2	90.7	91.8	93.3
65+	76.5	73.9	79.7	84.3	77.8	83.1	83.5	82.2	86.7	87.7	84.8
Male	90.5	90.6	90.1	91.2	92.6	92.2	93.1	92.1	93.7	94.3	93.9
Female	90.5	92.6	92.5	92.6	94.3	93.1	94.0	93.7	93.5	93.4	95.0
White	90.8	91.6	90.7	92.2	93.9	92.6	93.8	92.5	93.5	94.0	94.4
Black	90.0	88.7	92.0	88.2	91.0	92.6	93.1	92.9	93.3	93.5	93.8
Other	87.4	97.8	96.0	96.9	91.1	92.5	90.3	95.3	96.0	94.5	95.8
Diabetes	86.4	91.3	88.6	87.4	90.1	89.6	90.9	89.7	91.7	90.3	91.5
Hypertension	89.3	90.8	90.5	94.8	94.3	90.9	93.7	94.0	93.6	94.6	95.7
Glomerulonephritis	95.7	91.8	91.8	94.2	94.8	94.9	94.9	94.4	96.2	97.2	97.3
Other cause	93.3	92.5	92.8	95.1	93.1	93.3	94.1	93.3	93.6	94.9	94.4
All	90.5	91.5	91.1	91.8	93.3	92.5	93.5	92.8	93.6	93.9	94.4
FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	92.7	94.1	89.0	95.2	85.2	97.2	93.6	95.3	95.9	94.2	95.0
18-34	93.6	94.1	94.9	94.5	95.1	95.0	95.2	95.2	96.6	95.1	96.4
35-49	90.7	92.0	89.9	93.1	92.4	90.0	92.0	92.1	92.3	92.7	92.2
50-64	88.7	87.5	79.2	79.7	81.9	82.5	87.1	80.8	83.2	83.8	84.4
65+	84.2	81.9	77.6	74.4	73.2	80.1	64.2	73.8	72.4	74.0	80.3
Male	87.9	87.7	85.6	86.8	86.2	87.2	88.7	87.3	88.3	88.2	90.0
Female	88.9	91.1	84.6	88.9	87.5	88.2	89.4	88.9	90.6	90.0	89.1
White	88.2	88.7	86.2	88.5	85.8	87.9	89.5	88.0	89.4	88.4	89.6
Black	90.4	91.9	82.2	78.8	90.2	83.9	86.0	87.8	89.2	90.5	90.2
Other	87.4	88.1	78.2	95.5	94.6	94.0	88.7	88.2	87.1	91.3	89.2
Diabetes	81.6	83.0	79.0	85.4	80.8	79.7	83.1	81.3	82.4	84.0	85.7
Hypertension	92.4	93.9	82.4	86.0	82.9	89.8	90.5	86.5	89.9	89.2	88.8
Glomerulonephritis	92.4	91.4	92.6	88.3	88.5	91.0	91.4	92.4	93.2	93.3	93.2
Other cause	92.1	91.0	88.3	89.2	90.1	91.5	89.5	88.8	90.5	88.2	91.4
All	88.3	89.1	85.1	87.6	86.7	87.6	88.9	87.9	89.3	88.9	89.7
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	84.7	86.7	80.3	90.2	93.2	86.9	88.5	87.5	92.3	82.6	93.2
18-34	85.9	83.4	83.8	85.5	86.5	87.3	86.8	91.0	90.2	91.9	90.6
35-49	72.4	69.0	72.5	72.6	71.6	75.7	77.7	74.1	81.2	81.2	79.2
50-64	59.3	56.1	63.4	66.0	63.7	63.8	65.1	62.9	59.2	54.8	64.0
65+	100.0	0.0	72.5	85.2	45.2	51.5	60.4	36.2	42.2	63.7	63.4
Male	65.6	63.9	65.9	70.1	68.9	69.9	70.9	73.0	73.3	73.9	75.1
Female	72.9	67.2	71.2	71.4	72.9	74.1	76.8	72.6	78.8	76.1	77.9
White	68.4	63.9	67.8	71.5	69.5	71.4	72.4	73.4	76.3	74.2	76.6
Black	71.6	69.8	64.8	62.2	73.0	70.5	76.7	71.3	65.8	74.9	71.2
Other	72.2	78.5	83.3	83.2	78.9	80.7	79.9	70.1	89.8	83.4	84.5
Diabetes	55.0	42.7	45.4	51.7	53.9	58.0	62.7	57.6	65.2	63.9	58.5
Hypertension	80.1	63.2	75.2	79.6	77.3	73.4	77.7	74.2	70.9	71.2	81.7
Glomerulonephritis	76.5	73.8	78.5	72.8	78.7	81.9	77.6	81.6	78.1	76.3	81.6
Other cause	70.3	78.6	70.8	81.4	78.9	78.4	80.4	78.4	77.2	81.2	85.0
All	68.5	65.3	68.0	70.6	70.3	71.6	73.2	72.7	75.4	74.7	76.1

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.13

Patient Survival Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	95.1	98.6	98.3	97.6	98.6	98.8	97.8	98.1	98.7	98.6	98.3
18-34	98.1	98.4	98.3	98.9	98.7	98.3	98.6	99.5	98.8	98.8	99.0
35-49	96.3	97.4	97.2	97.8	98.0	98.0	97.7	97.5	98.1	98.0	98.0
50-64	94.8	95.8	95.3	95.5	95.9	95.8	95.9	95.8	96.8	96.0	96.2
65+	94.1	92.7	93.5	93.8	95.0	92.5	93.8	93.8	95.4	94.3	94.1
Male	96.2	97.0	96.8	97.0	97.2	97.0	96.9	97.3	97.7	97.2	97.0
Female	96.2	97.1	96.8	97.4	97.7	97.2	97.3	96.6	97.4	96.9	97.3
White	95.9	97.0	96.6	97.3	97.1	96.8	97.2	96.8	97.4	97.0	97.1
Black	97.0	97.1	97.2	96.9	97.7	97.6	96.5	97.2	97.8	97.2	96.9
Other	96.4	97.1	97.1	96.9	98.5	97.0	97.5	98.3	98.4	97.3	97.6
†Hispanic							98.8	97.0	98.5	97.4	97.5
†Non-Hispanic							96.8	97.0	97.4	97.0	97.1
Diabetes	95.5	96.3	95.5	96.7	96.3	96.2	96.7	96.4	96.7	96.1	96.6
Hypertension	96.7	97.6	96.7	97.1	97.7	96.7	97.0	97.1	98.2	97.5	95.9
Glomerulonephritis	97.3	98.2	97.6	98.1	98.7	98.0	97.9	98.2	98.1	98.3	98.3
Other	96.8	97.4	98.1	97.6	97.4	98.0	97.6	97.2	97.8	97.3	97.9
All	96.2	97.0	96.8	97.2	97.4	97.1	97.0	97.0	97.6	97.1	97.1
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	92.6	96.8	97.1	96.4	96.4	97.7	97.8	97.3	98.2	97.2	97.9
18-34	96.3	96.6	96.2	97.0	96.4	96.9	96.9	98.3	97.6	97.3	97.6
35-49	92.8	94.6	94.4	95.1	94.8	95.4	95.4	95.5	96.1	96.1	95.8
50-64	89.5	92.0	90.4	90.8	91.4	91.7	92.1	91.3	92.5	91.9	91.4
65+	84.6	85.1	88.8	84.4	87.6	85.9	87.9	86.2	88.4	87.5	87.8
Male	92.1	93.8	93.3	93.7	93.4	93.9	94.0	94.1	94.4	94.1	93.4
Female	93.0	94.4	93.8	93.9	94.2	94.4	94.4	93.7	94.7	94.0	94.2
White	92.0	93.9	93.1	93.6	93.3	93.5	94.1	93.8	94.3	94.1	93.8
Black	93.8	94.6	94.0	94.1	94.2	95.3	94.4	93.7	94.6	94.1	93.3
Other	93.0	94.4	95.8	94.2	96.1	94.5	94.4	96.1	96.1	94.2	94.6
†Hispanic							96.0	95.2	95.9	95.0	95.1
†Non-Hispanic							94.0	93.8	94.3	94.0	93.5
Diabetes	91.0	91.4	91.5	91.7	91.8	92.3	92.5	92.5	92.9	92.4	91.8
Hypertension	91.9	95.2	92.8	93.5	94.1	94.0	94.9	93.1	94.7	93.2	91.9
Glomerulonephritis	95.0	95.7	95.9	96.6	96.4	95.9	95.5	96.0	95.9	96.2	96.4
Other	94.0	95.2	94.8	94.8	93.5	95.2	95.1	94.6	95.3	95.1	95.6
All	92.5	94.1	93.5	93.8	93.7	94.1	94.2	93.9	94.5	94.1	93.7

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.13 (continued)

Patient Survival Probabilities: First Transplant, Cadaveric, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	93.8	91.6	96.4	95.8	95.2	94.6	96.5	95.9	96.6	97.8	97.2
18-34	92.9	94.2	94.5	94.0	95.2	94.8	95.7	95.4	96.3	96.5	96.0
35-49	90.2	89.6	92.0	91.5	92.3	91.8	93.4	93.0	93.4	93.8	94.3
50-64	83.9	86.2	88.5	86.0	86.3	87.0	87.9	88.0	88.1	88.8	88.8
65+	78.1	79.9	79.4	82.3	78.5	81.4	79.3	81.9	80.0	82.6	81.7
Male	88.5	89.2	91.0	90.1	90.3	89.9	91.0	91.2	91.3	91.3	91.5
Female	90.0	90.2	91.7	90.4	91.0	91.5	92.0	91.1	91.2	92.3	91.8
White	89.2	89.2	91.1	89.9	90.4	90.1	91.0	90.9	90.9	91.8	91.8
Black	88.8	90.4	91.5	90.5	90.4	90.9	92.2	91.3	91.5	90.8	91.0
Other	89.5	91.2	92.3	93.0	92.8	93.6	92.4	92.6	93.2	93.9	92.3
†Hispanic								93.5	92.4	94.6	93.5
†Non-Hispanic								90.9	91.1	91.3	91.4
Diabetes	86.3	85.9	86.9	86.4	87.5	87.5	88.7	88.4	88.2	89.1	88.9
Hypertension	88.3	88.6	92.1	88.9	90.0	91.4	90.7	91.2	90.7	91.7	90.2
Glomerulonephritis	92.4	93.3	94.0	94.2	94.5	94.4	94.1	93.3	94.2	94.4	94.6
Other	90.8	91.6	93.1	92.4	92.1	90.1	93.2	93.2	92.8	92.9	93.1
All	89.1	89.6	91.3	90.2	90.6	90.5	91.4	91.2	91.2	91.7	91.6
THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	91.5	93.4	91.2	94.6	94.6	95.2	94.6	95.8	94.8	95.4	97.8
18-34	90.6	90.9	92.3	92.4	92.5	92.8	93.1	94.3	93.2	94.6	95.3
35-49	85.2	87.4	86.3	89.3	88.5	89.5	89.3	90.8	90.3	90.8	91.5
50-64	78.6	79.5	82.1	83.5	81.8	81.6	82.8	83.4	84.1	83.8	84.3
65+	65.4	70.6	72.9	73.7	75.2	72.1	75.0	72.7	75.7	72.6	76.0
Male	83.2	85.4	85.6	87.3	86.9	86.8	86.9	87.9	88.1	88.0	87.9
Female	86.7	87.1	87.5	89.0	87.4	87.8	88.5	89.1	87.9	87.8	89.5
White	84.9	86.3	85.7	88.0	86.8	87.1	87.2	87.9	88.1	87.7	88.4
Black	83.2	85.1	87.5	87.5	86.7	86.9	87.4	88.8	87.5	87.6	87.9
Other	86.3	87.8	89.8	89.6	90.8	89.7	91.2	91.3	89.3	91.0	91.8
†Hispanic									91.2	90.0	92.3
†Non-Hispanic									87.6	87.7	88.0
Diabetes	78.0	82.0	81.1	83.2	81.3	82.4	84.0	84.9	84.4	83.7	84.4
Hypertension	85.2	84.2	85.4	88.7	85.5	87.0	87.9	86.8	87.0	87.6	88.6
Glomerulonephritis	88.4	90.4	91.0	91.2	92.3	92.0	91.5	92.0	91.2	91.9	91.5
Other	87.9	88.7	88.9	90.0	90.2	89.3	87.6	90.5	90.8	89.8	91.0
All	84.6	86.1	86.4	88.0	87.1	87.2	87.5	88.3	88.0	87.9	88.5

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.13 (continued)
Patient Survival Probabilities: First Transplant, Cadaveric, Unadjusted
by age, gender, race, ethnicity, & primary diagnosis

FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	88.0	93.4	86.9	90.6	90.2	91.4	92.5	91.7	92.8	93.8	92.2
18-34	82.4	84.5	86.5	86.1	88.2	88.7	87.4	88.2	89.2	89.9	88.5
35-49	71.0	72.6	77.3	80.8	79.9	81.6	80.8	83.7	82.5	84.1	84.0
50-64	61.7	62.9	67.0	69.4	71.9	72.0	71.2	70.5	72.4	73.1	74.5
65+	40.3	51.3	52.7	60.7	58.6	59.2	59.7	56.8	60.1	58.2	61.7
Male	71.0	72.1	75.1	77.9	78.4	78.5	78.7	78.9	79.1	80.1	80.4
Female	77.3	78.4	79.4	81.1	81.1	82.6	79.5	80.9	81.5	81.7	80.7
White	73.6	74.7	77.3	79.2	78.9	80.3	78.9	79.7	80.1	80.3	80.7
Black	71.3	71.9	73.9	77.8	79.8	79.3	77.8	78.1	78.9	80.5	79.3
Other	78.8	82.1	81.0	83.2	84.1	81.8	84.8	85.9	83.7	86.7	84.3
†Hispanic											85.2
†Non-Hispanic											80.1
Diabetes	61.8	62.8	65.9	71.1	70.3	72.9	69.2	71.8	72.7	75.1	73.7
Hypertension	73.0	69.8	76.0	76.2	78.1	79.8	76.7	77.5	79.4	77.4	78.6
Glomerulonephritis	80.0	81.4	81.8	85.5	85.5	84.6	86.2	86.4	86.1	85.4	86.2
Other	78.7	80.1	81.7	82.2	83.3	84.2	83.8	83.8	82.8	84.8	85.2
All	73.3	74.5	76.8	79.2	79.4	80.1	79.0	79.7	80.0	80.7	80.6

TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	79.1	80.4	84.3	81.7	81.4	81.6	85.7	80.8	86.1	83.9	86.0
18-34	65.2	67.9	68.7	68.7	71.1	68.3	72.0	74.1	73.7	75.2	77.2
35-49	45.3	48.4	49.8	49.2	52.4	50.1	52.7	57.7	60.7	60.7	58.6
50-64	29.5	30.5	31.7	34.3	30.4	34.3	37.0	40.9	43.1	43.7	44.3
65+		20.0	4.3	16.7	10.9	16.1	24.8	21.5	29.9	25.3	24.4
Male	52.3	52.9	54.1	52.2	53.8	51.5	53.5	55.4	58.0	58.0	56.9
Female	55.7	60.1	58.8	59.9	59.1	58.3	59.8	61.2	63.1	61.5	61.9
White	55.7	56.0	57.9	55.8	57.7	54.6	56.4	58.5	60.7	59.3	58.8
Black	44.4	52.2	46.6	51.3	49.2	49.3	51.7	52.4	55.8	57.0	57.1
Other	59.5	66.9	70.1	63.3	62.4	66.5	66.9	67.9	67.6	70.1	66.6
†Hispanic											
†Non-Hispanic											
Diabetes	38.5	37.2	33.5	35.9	37.6	36.0	38.9	39.6	44.1	43.9	42.9
Hypertension	50.6	53.7	52.9	49.9	48.7	48.1	49.0	51.1	53.5	54.3	54.9
Glomerulonephritis	66.5	66.0	67.8	64.4	69.5	66.9	65.4	66.1	69.5	69.5	68.6
Other	62.5	63.4	64.2	63.4	63.1	62.2	64.7	64.6	64.5	63.7	64.6
All	53.5	55.5	55.8	55.1	55.8	54.0	55.9	57.7	60.0	59.4	58.9

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

“.” Zero values in this cell.

Table G.14
Patient Survival Probabilities: First Transplant, Cadaveric, Adjusted
by age, gender, race, & primary diagnosis

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	95.3	98.8	98.5	97.9	98.7	99.0	98.0	98.6	98.8	98.8	98.5
18-34	98.1	98.4	98.3	98.9	98.6	98.3	98.6	99.5	98.8	98.7	98.9
35-49	96.4	97.5	97.2	97.8	98.1	98.0	97.8	97.6	98.2	98.0	98.1
50-64	94.7	95.7	95.3	95.5	96.0	95.9	95.9	95.9	96.8	96.0	96.3
65+	94.0	92.6	93.4	93.8	94.9	92.7	94.0	93.8	95.6	94.3	94.1
Male	95.8	96.8	96.6	96.9	97.2	97.1	97.0	97.5	97.9	97.4	97.3
Female	95.6	96.7	96.4	97.2	97.5	97.0	97.2	96.6	97.5	97.0	97.4
White	95.5	96.8	96.4	97.1	97.1	96.8	97.3	97.0	97.6	97.3	97.5
Black	96.6	96.6	96.8	96.7	97.5	97.6	96.4	97.2	97.9	97.2	97.0
Other	95.8	96.5	96.6	96.5	98.7	96.7	97.6	98.2	98.3	97.5	97.7
Diabetes	94.8	95.8	95.1	96.5	96.2	96.2	96.7	96.5	97.0	96.4	97.0
Hypertension	96.9	97.8	97.0	97.4	98.0	97.3	97.4	97.6	98.5	98.0	96.8
Glomerulonephritis	96.9	98.0	97.2	97.8	98.6	97.8	97.8	98.0	98.0	98.3	98.3
Other cause	96.3	97.1	97.8	97.3	97.2	97.8	97.5	97.3	97.8	97.3	98.0
All	95.8	96.8	96.5	97.0	97.3	97.0	97.1	97.1	97.7	97.3	97.4
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	93.0	97.1	97.3	96.8	96.7	97.9	98.0	97.6	98.4	97.5	98.1
18-34	96.3	96.6	96.1	97.0	96.3	96.9	96.8	98.2	97.6	97.2	97.4
35-49	92.8	94.7	94.4	95.2	94.9	95.5	95.6	95.6	96.2	96.2	95.9
50-64	89.4	91.9	90.3	90.8	91.4	91.7	92.1	91.4	92.6	92.0	91.5
65+	84.3	84.9	88.7	84.3	87.5	85.9	87.8	86.2	88.4	87.5	87.9
Male	91.3	93.3	92.9	93.4	93.3	93.9	94.1	94.4	94.8	94.6	94.2
Female	92.0	93.7	93.1	93.4	93.9	94.0	94.3	93.6	94.8	94.1	94.5
White	91.1	93.4	92.7	93.3	93.2	93.5	94.2	94.0	94.7	94.5	94.5
Black	92.9	93.8	93.1	93.7	93.8	94.9	94.2	93.7	94.7	94.3	93.6
Other	91.9	93.4	95.1	93.5	96.0	93.8	94.1	95.8	96.0	94.5	94.9
Diabetes	89.7	90.5	90.8	91.2	91.5	92.0	92.5	92.7	93.3	93.0	92.7
Hypertension	92.5	95.5	93.5	94.2	94.7	94.7	95.6	94.2	95.7	94.5	93.5
Glomerulonephritis	94.1	94.8	95.2	96.1	96.0	95.5	95.2	95.7	95.7	96.1	96.4
Other cause	93.0	94.7	94.2	94.3	93.0	94.8	94.8	94.4	95.2	95.1	95.8
All	91.5	93.4	93.0	93.4	93.5	93.9	94.2	94.1	94.8	94.4	94.3
TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	94.5	92.1	96.8	96.2	95.8	95.2	97.0	96.4	97.0	98.1	97.6
18-34	92.9	94.2	94.4	93.9	95.3	94.8	95.7	95.3	96.2	96.4	95.8
35-49	90.4	89.7	92.1	91.5	92.5	92.0	93.5	93.2	93.5	93.9	94.5
50-64	83.7	86.0	88.4	85.8	86.3	87.1	87.9	88.0	88.2	88.9	88.9
65+	77.9	79.5	79.2	82.1	78.4	81.3	79.4	81.8	80.1	82.6	81.7
Male	87.1	88.1	90.2	89.5	90.0	89.7	91.0	91.4	91.6	91.9	92.1
Female	88.3	88.8	90.7	89.4	90.3	91.0	91.5	90.9	91.1	92.4	91.9
White	87.7	88.1	90.4	89.4	90.0	89.9	91.0	91.1	91.3	92.4	92.4
Black	87.3	89.0	90.4	89.2	89.8	90.2	91.6	91.1	91.4	90.9	91.2
Other	87.9	89.7	90.7	91.8	92.0	93.3	91.6	92.2	92.6	93.8	92.6
Diabetes	84.0	84.1	85.6	85.3	86.6	87.1	88.3	88.4	88.5	89.7	89.7
Hypertension	88.8	89.5	92.6	90.0	91.0	92.2	91.7	92.5	92.2	93.2	92.0
Glomerulonephritis	90.7	92.0	92.8	93.2	93.6	93.6	93.6	92.7	93.7	94.1	94.4
Other cause	89.2	90.4	92.2	91.6	91.3	89.4	92.7	92.9	92.5	92.8	93.1
All	87.6	88.3	90.4	89.4	90.1	90.2	91.2	91.2	91.4	92.1	92.1

Patients of unknown age, gender, race, or primary diagnosis are excluded.
 Age is calculated on the day of transplant.
 Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.14 (continued)
Patient Survival Probabilities: First Transplant, Cadaveric, Adjusted
by age, gender, race, & primary diagnosis

THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	92.2	94.1	91.7	95.1	95.0	95.8	95.2	96.3	95.3	95.9	98.1
18-34	90.4	90.9	92.2	92.2	92.3	92.8	93.0	94.2	93.2	94.4	95.2
35-49	85.3	87.6	86.3	89.4	88.4	89.7	89.6	91.1	90.5	90.9	91.6
50-64	78.3	79.4	81.8	83.3	81.5	81.6	82.9	83.4	84.1	83.9	84.5
65+	65.1	70.5	72.6	73.7	75.1	72.1	75.0	72.9	75.7	72.7	76.1
Male	81.2	83.7	84.3	86.3	86.1	86.3	86.7	87.8	88.3	88.5	88.7
Female	84.4	85.0	85.7	87.7	86.0	86.9	87.8	88.4	87.6	87.6	89.7
White	82.7	84.4	84.3	87.1	86.2	86.5	87.0	87.9	88.3	88.2	89.2
Black	81.3	83.2	85.7	85.9	85.0	86.0	86.5	87.9	87.1	87.5	88.1
Other	83.0	85.8	88.1	87.6	89.2	88.5	90.9	90.4	88.7	90.3	91.6
Diabetes	75.1	79.2	78.8	81.6	79.9	81.3	83.6	84.5	84.4	84.0	85.3
Hypertension	85.7	84.8	86.5	89.4	86.9	88.3	89.1	88.2	88.8	89.5	90.6
Glomerulonephritis	85.8	88.2	89.4	89.5	90.9	90.8	90.5	91.2	90.5	91.3	91.0
Other cause	85.7	86.7	87.2	88.8	89.0	88.2	86.6	89.7	90.3	89.4	90.8
All	82.4	84.2	84.8	86.8	86.0	86.5	87.1	88.0	88.0	88.2	89.1
FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	88.3	93.6	87.7	91.4	90.5	92.1	92.9	92.3	93.4	94.4	92.8
18-34	81.3	83.4	86.1	86.1	88.0	88.4	87.2	88.2	89.1	89.9	88.5
35-49	70.9	72.5	77.5	81.1	80.0	81.8	80.8	84.0	83.0	84.5	84.4
50-64	60.9	62.3	66.6	69.2	71.6	71.7	70.9	70.5	72.7	73.2	74.6
65+	38.9	51.1	52.4	60.6	58.3	59.2	59.7	56.8	60.3	58.5	61.7
Male	65.2	67.7	72.5	75.6	76.5	77.0	77.6	78.2	78.9	80.1	80.8
Female	71.4	73.6	76.0	78.2	78.6	80.7	77.5	79.5	80.5	80.6	80.4
White	67.4	69.8	74.3	76.7	77.0	78.9	77.9	78.9	79.8	80.3	81.1
Black	66.0	68.1	71.3	75.3	77.2	76.7	75.2	76.8	77.6	79.0	78.7
Other	72.0	76.9	76.7	80.5	81.5	78.6	82.4	84.2	83.1	85.3	83.4
Diabetes	55.8	58.2	62.4	67.4	67.4	70.7	67.4	70.4	72.2	74.7	73.9
Hypertension	71.9	69.3	76.9	77.1	79.7	81.0	78.9	79.6	81.4	79.6	81.4
Glomerulonephritis	73.8	76.1	78.1	82.4	83.0	81.9	84.0	84.4	84.4	84.0	85.2
Other cause	73.0	75.5	78.6	79.3	80.8	82.3	82.0	82.2	81.3	83.6	84.5
All	67.4	69.9	73.7	76.5	77.3	78.4	77.5	78.7	79.5	80.3	80.6
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	78.1	79.8	83.5	81.2	80.6	80.7	85.0	80.8	86.4	83.5	86.2
18-34	64.2	66.4	66.3	66.6	68.8	66.1	69.8	73.3	73.5	74.7	76.7
35-49	46.7	48.7	48.5	48.2	51.6	49.7	52.4	58.0	61.4	60.9	59.1
50-64	30.4	30.2	31.6	33.5	29.7	33.5	36.4	40.5	42.8	43.3	43.9
65+	0.0	19.3	5.5	16.4	9.8	14.3	24.0	21.1	29.4	25.1	24.5
Male	42.7	42.3	43.8	43.5	44.7	43.7	47.6	51.7	54.6	55.2	54.3
Female	43.6	48.8	47.6	49.5	49.8	50.2	52.8	56.2	58.6	57.5	58.6
White	44.9	44.0	46.2	45.5	47.5	46.3	49.5	54.0	57.0	56.4	56.6
Black	36.9	43.4	38.6	43.1	41.8	42.3	46.7	48.7	51.7	52.5	52.7
Other	47.9	55.7	58.9	54.5	51.9	58.1	58.8	61.6	63.0	65.7	61.2
Diabetes	29.6	28.5	26.0	28.3	31.3	30.0	34.2	35.7	39.5	40.2	39.9
Hypertension	44.7	50.1	50.1	49.7	46.6	47.3	49.1	53.1	55.4	57.5	57.4
Glomerulonephritis	51.2	52.5	54.8	53.4	59.1	57.8	56.6	59.9	63.6	64.6	63.3
Other cause	48.3	50.3	52.6	53.0	52.8	53.5	57.4	59.1	59.7	59.2	60.8
All	43.2	44.7	45.2	45.6	46.5	46.0	49.5	53.3	56.1	56.0	56.0

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.15

Patient Survival Probabilities: First transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	93.4	98.8	97.3	99.7	99.3	98.1	99.4	100.0	99.1	99.2	99.7
18-34	99.0	99.2	99.4	99.1	99.5	99.2	99.7	99.5	99.4	99.8	99.8
35-49	97.6	99.0	99.3	99.3	99.6	99.2	98.8	99.0	99.3	99.2	99.2
50-64	97.2	97.7	98.0	98.4	98.2	97.3	97.3	98.0	98.5	98.2	98.6
65+	93.1	90.9	94.4	98.2	100.0	95.9	96.0	96.5	96.2	97.6	96.4
Male	97.7	98.8	98.8	99.2	99.2	98.4	98.7	99.1	98.9	98.9	99.0
Female	97.3	98.9	98.7	99.0	99.4	98.8	98.8	98.7	99.1	99.1	99.0
White	97.4	98.9	98.8	99.2	99.3	98.6	98.5	98.9	98.8	99.0	99.0
Black	97.5	98.1	98.3	98.8	99.1	98.4	99.2	98.8	99.3	99.0	98.9
Other	99.1	100.0	99.3	99.3	100.0	98.9	100.0	99.6	99.2	98.6	99.7
†Hispanic							98.0	99.3	99.0	99.6	99.4
†Non-Hispanic							98.8	98.8	98.9	98.9	99.0
Diabetes	97.0	97.8	97.9	98.6	98.3	97.6	98.1	97.6	97.8	98.9	98.4
Hypertension	93.9	99.6	98.6	99.4	99.4	98.4	99.0	98.9	99.2	98.2	98.6
Glomerulonephritis	98.1	99.5	99.2	99.4	99.6	99.4	99.3	99.7	99.6	99.1	99.3
Other	98.1	99.2	98.7	99.2	99.7	98.7	98.5	99.1	99.2	99.3	99.4
All	97.5	98.8	98.8	99.1	99.3	98.6	98.7	98.9	98.9	99.0	99.0
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	91.3	98.2	96.6	98.1	97.5	97.0	98.9	99.4	99.1	99.2	99.4
18-34	98.2	98.2	98.4	98.2	99.1	98.6	99.4	98.4	99.2	99.2	99.2
35-49	96.9	98.0	97.5	97.8	97.9	98.3	98.0	97.8	98.3	98.1	98.2
50-64	94.1	93.8	95.0	94.7	95.6	94.3	95.2	95.5	96.2	96.3	96.2
65+	89.7	90.9	81.5	89.5	100.0	92.9	93.7	93.7	90.8	94.7	93.6
Male	96.4	97.4	97.1	97.3	97.2	96.8	97.9	97.9	97.7	97.5	97.5
Female	96.0	97.5	96.8	97.2	98.8	97.9	97.6	96.6	97.8	98.2	97.7
White	95.8	97.6	97.1	97.5	98.1	97.2	97.6	97.2	97.9	97.9	97.6
Black	97.5	96.0	95.9	96.3	97.4	97.0	97.7	97.2	96.7	97.5	97.4
Other	99.1	100.0	97.0	97.9	97.5	98.9	99.5	99.6	98.5	97.2	97.8
†Hispanic							97.2	98.7	98.6	98.7	97.6
†Non-Hispanic							97.8	97.2	97.6	97.7	97.6
Diabetes	95.4	95.1	95.4	95.1	96.7	95.7	96.6	94.6	95.5	96.5	96.5
Hypertension	93.3	97.4	96.9	97.0	97.2	96.9	97.4	97.0	97.7	96.8	95.9
Glomerulonephritis	96.8	98.4	98.0	98.7	98.9	98.4	99.0	98.9	99.3	98.2	98.1
Other	97.1	98.6	97.1	97.8	98.6	97.3	97.7	98.0	98.1	98.5	98.4
All	96.2	97.5	97.0	97.3	97.9	97.2	97.8	97.4	97.7	97.8	97.6

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.15 (continued)

Patient Survival Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	98.0	91.0	98.2	96.6	97.3	97.5	96.2	97.7	98.0	98.3	97.8
18-34	95.3	97.5	97.1	97.2	97.6	98.6	97.6	98.5	97.9	98.1	98.6
35-49	96.7	95.2	95.4	96.3	96.7	95.8	96.7	96.0	97.0	96.8	96.7
50-64	92.4	91.3	91.2	93.5	91.6	92.4	91.5	92.7	93.9	94.4	94.6
65+	71.4	86.2	86.4	81.5	86.0	91.2	87.8	90.5	90.9	89.2	91.4
Male	95.1	95.2	95.7	96.0	96.3	95.9	95.2	96.2	96.7	96.2	96.0
Female	96.5	94.5	95.9	95.8	95.7	96.7	96.0	95.7	95.7	96.5	97.1
White	95.8	94.6	95.9	96.2	96.3	96.6	95.5	96.0	96.2	96.5	96.5
Black	94.1	95.8	94.1	94.2	94.2	94.9	95.4	95.4	95.8	95.2	96.2
Other	98.8	98.2	100.0	96.3	97.2	95.7	96.1	98.5	98.8	97.0	96.8
†Hispanic								96.5	98.0	98.1	98.1
†Non-Hispanic								96.0	96.1	96.1	96.2
Diabetes	95.0	93.5	91.6	92.4	92.9	94.4	92.0	93.7	92.6	92.7	94.2
Hypertension	96.3	91.5	96.5	95.5	95.1	95.6	95.3	94.8	96.1	96.4	96.3
Glomerulonephritis	95.3	95.8	97.6	97.5	97.9	97.7	97.1	97.9	98.8	98.6	97.1
Other	96.9	96.3	97.8	96.2	97.0	96.6	96.2	96.4	96.7	96.8	97.1
All	95.7	94.9	95.8	95.9	96.0	96.3	95.5	96.0	96.3	96.3	96.4
THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	92.8	97.7	91.0	98.2	94.9	96.6	97.2	95.9	96.8	97.1	98.0
18-34	95.0	94.8	96.1	95.7	95.6	96.4	97.2	96.5	97.3	97.2	96.7
35-49	94.4	94.9	93.2	93.2	94.9	94.5	94.6	95.5	94.8	95.4	95.7
50-64	86.2	86.9	89.4	87.7	91.2	86.2	87.1	88.8	90.3	91.5	92.1
65+	80.0	71.4	82.8	86.4	75.9	80.7	84.2	82.7	86.5	86.0	84.3
Male	93.3	93.9	93.4	93.9	94.2	93.6	94.1	93.7	94.7	95.1	94.4
Female	93.7	94.6	93.5	94.4	94.1	93.9	94.5	94.6	94.2	94.0	95.1
White	93.6	94.2	93.3	94.3	94.7	93.8	94.7	94.0	94.4	94.6	94.8
Black	93.2	92.5	92.8	91.6	90.7	92.8	93.0	93.8	93.8	94.6	93.7
Other	91.4	98.8	97.3	98.1	94.8	95.1	92.0	95.6	97.5	95.9	96.2
†Hispanic									95.0	96.7	97.3
†Non-Hispanic									94.4	94.4	94.3
Diabetes	89.2	92.3	90.5	87.6	89.2	88.8	90.7	88.9	90.9	88.8	89.9
Hypertension	91.8	93.2	89.6	95.2	94.1	91.5	93.1	93.8	92.4	93.6	94.4
Glomerulonephritis	96.6	94.8	94.9	96.7	96.1	96.3	96.1	96.0	97.2	98.0	97.9
Other	95.8	95.6	95.2	97.4	94.9	94.7	95.3	95.3	95.5	95.7	95.5
All	93.5	94.2	93.5	94.1	94.2	93.7	94.3	94.1	94.5	94.7	94.7

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.15 (continued)

Patient Survival Probabilities: First Transplant, Living Donor, Unadjusted*by age, gender, race, ethnicity, & primary diagnosis*

FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	93.2	94.2	90.5	96.7	88.5	97.0	93.6	95.0	96.4	94.8	95.7
18-34	91.1	90.8	91.4	92.3	93.9	94.1	93.3	93.7	94.7	93.4	95.0
35-49	88.3	88.6	87.9	90.5	89.5	88.3	89.9	90.1	90.0	91.2	90.3
50-64	87.3	85.0	77.2	76.8	79.9	79.5	85.2	77.8	78.9	82.7	83.5
65+	75.0	77.5	80.0	71.4	75.9	81.8	64.8	66.7	73.7	73.5	78.6
Male	88.7	88.5	89.0	90.4	90.5	90.6	90.8	89.5	89.4	89.8	90.5
Female	90.4	90.1	88.3	90.5	88.9	90.6	89.5	89.3	90.8	90.2	90.2
White	89.3	88.7	89.7	90.7	89.3	91.0	90.8	89.7	90.7	89.8	90.4
Black	89.9	90.2	84.4	86.6	91.1	87.0	86.6	87.5	88.2	90.4	89.6
Other	89.4	91.1	84.9	97.6	94.6	95.1	91.0	90.1	87.1	90.6	93.1
†Hispanic											91.9
†Non-Hispanic											90.2
Diabetes	81.0	78.9	81.9	85.2	83.7	79.9	81.6	79.8	81.7	81.5	83.7
Hypertension	91.4	91.0	83.6	86.4	84.1	89.4	90.0	87.2	86.9	87.3	86.7
Glomerulonephritis	92.2	92.5	94.3	92.2	92.4	94.1	93.2	93.7	94.2	94.3	93.6
Other	92.8	91.4	91.3	92.9	92.2	95.5	92.2	91.2	92.3	91.5	93.5
All	89.4	89.1	88.8	90.4	89.8	90.6	90.2	89.4	90.0	90.0	90.4

TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	85.6	82.1	82.2	88.9	93.6	86.4	87.3	86.7	92.6	84.4	90.6
18-34	76.9	78.2	78.1	80.1	78.8	81.0	80.1	84.4	83.8	86.5	85.7
35-49	62.4	62.6	68.2	66.9	69.2	71.3	71.1	69.4	77.3	74.2	72.8
50-64	51.7	49.7	60.8	64.0	59.5	61.7	62.0	56.6	52.7	50.0	54.9
65+	66.7	0.0	50.0	50.0	31.3	40.9	45.0	40.0	28.6	55.2	59.1
Male	69.9	70.4	72.9	74.9	72.4	71.9	72.5	77.3	78.6	78.2	78.3
Female	74.9	72.1	75.1	75.7	76.0	77.4	75.9	77.6	80.1	76.4	77.2
White	72.7	70.3	74.5	76.0	74.6	73.7	73.7	78.3	79.3	77.8	78.6
Black	64.3	73.1	67.2	66.7	67.4	72.2	72.9	72.6	74.5	72.2	70.8
Other	74.6	76.6	81.4	84.8	78.8	82.5	77.5	76.3	91.5	83.8	85.4
†Hispanic											
†Non-Hispanic											
Diabetes	46.0	47.0	46.7	49.7	51.4	56.2	56.8	61.4	63.3	63.5	54.2
Hypertension	75.9	66.0	74.2	76.4	72.2	72.6	71.6	70.5	73.5	67.7	74.4
Glomerulonephritis	80.7	81.8	82.7	79.4	82.1	81.8	79.8	84.6	83.9	81.2	84.5
Other	75.6	80.6	78.9	84.7	82.7	79.9	80.3	83.3	83.7	83.0	87.4
All	71.9	71.0	73.8	75.2	73.8	74.1	73.8	77.4	79.2	77.4	77.8

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

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

Table G.16
Patient Survival Probabilities: First Transplant, Living Donor, Adjusted
by age, gender, race, & primary diagnosis

90-DAY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	91.4	98.4	96.4	99.6	99.1	97.6	99.3	100.0	98.9	98.9	99.6
18-34	99.0	99.2	99.4	99.1	99.4	99.1	99.6	99.4	99.3	99.8	99.8
35-49	97.5	99.0	99.2	99.3	99.6	99.1	98.7	98.9	99.2	99.2	99.1
50-64	97.2	97.8	97.9	98.4	98.2	97.3	97.3	98.0	98.4	98.3	98.7
65+	92.1	90.4	94.1	98.3	100.0	96.0	95.9	96.4	96.1	97.6	96.4
Male	96.2	98.1	98.3	98.9	98.8	97.9	98.3	98.8	98.6	98.8	99.0
Female	95.9	98.4	98.3	98.6	99.2	98.4	98.4	98.3	98.9	98.9	98.9
White	96.0	98.3	98.3	98.8	99.0	98.1	98.1	98.6	98.6	98.9	98.9
Black	96.1	97.3	97.8	98.5	98.7	98.0	99.0	98.6	99.2	98.9	98.9
Other	98.8	100.0	98.9	99.1	100.0	98.6	100.0	99.5	99.1	98.3	99.7
Diabetes	96.0	97.3	97.5	98.4	98.1	97.5	98.1	97.6	97.9	99.0	98.6
Hypertension	92.3	99.4	98.4	99.3	99.4	98.4	99.1	98.9	99.2	98.3	98.7
Glomerulonephritis	96.7	99.1	98.8	99.1	99.3	99.1	99.1	99.6	99.5	98.9	99.1
Other cause	96.8	98.6	97.9	98.6	99.6	98.0	97.7	98.7	98.8	99.0	99.3
All	96.1	98.2	98.2	98.8	99.0	98.1	98.3	98.6	98.7	98.9	98.9
ONE-YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	88.9	97.6	95.5	97.5	96.9	96.2	98.5	99.3	98.9	98.9	99.2
18-34	98.1	98.1	98.3	98.1	99.0	98.4	99.3	98.1	99.0	99.0	99.1
35-49	96.8	98.0	97.5	97.8	97.8	98.2	97.9	97.6	98.1	98.0	98.1
50-64	93.9	93.9	94.9	94.7	95.6	94.2	95.2	95.4	96.2	96.3	96.2
65+	88.2	90.4	80.7	89.7	100.0	93.1	93.4	93.5	90.6	94.8	93.7
Male	94.2	95.9	95.7	96.2	96.1	95.7	97.3	97.4	97.2	97.2	97.4
Female	94.1	96.5	95.8	96.3	98.4	97.3	96.9	95.8	97.3	97.9	97.5
White	93.6	96.4	95.9	96.4	97.3	96.3	96.9	96.5	97.4	97.6	97.5
Black	96.1	94.2	94.9	95.2	96.5	96.2	97.2	96.7	96.1	97.2	97.3
Other	98.8	100.0	95.5	97.2	97.0	98.6	99.3	99.5	98.2	96.5	97.6
Diabetes	93.9	94.1	94.5	94.4	96.2	95.6	96.4	94.7	95.7	96.8	96.9
Hypertension	91.6	96.7	96.5	96.5	96.9	96.8	97.4	97.1	97.7	97.0	96.3
Glomerulonephritis	94.7	97.4	96.8	97.9	98.3	97.8	98.6	98.5	99.0	97.6	97.6
Other cause	95.1	97.5	95.3	96.5	97.7	95.7	96.6	97.3	97.4	98.0	98.0
All	94.1	96.2	95.7	96.2	97.1	96.4	97.1	96.7	97.2	97.5	97.4
TWO-YEAR	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	97.3	88.3	97.5	95.5	96.4	96.8	95.2	97.1	97.4	97.7	97.1
18-34	95.1	97.3	96.8	97.0	97.5	98.4	97.3	98.2	97.4	97.7	98.3
35-49	96.7	95.0	95.4	96.2	96.6	95.8	96.6	95.8	96.7	96.5	96.6
50-64	92.3	91.0	91.3	93.3	91.6	92.3	91.3	92.6	93.7	94.3	94.6
65+	73.0	84.3	85.5	80.7	86.1	90.3	87.9	90.0	90.5	88.8	91.4
Male	92.0	92.4	93.3	94.0	94.6	94.2	93.6	95.1	95.9	95.4	95.4
Female	94.7	91.8	94.1	94.4	94.1	95.7	94.9	94.5	94.6	95.7	96.7
White	93.4	91.7	93.8	94.6	94.8	95.3	94.2	94.8	95.3	95.8	96.0
Black	91.0	93.3	91.4	92.5	92.4	93.2	94.1	94.3	95.0	94.3	95.7
Other	98.0	97.6	100.0	94.4	96.3	94.7	95.0	97.9	98.5	96.4	96.1
Diabetes	93.4	91.4	89.9	91.0	91.9	93.7	91.6	93.5	92.7	93.0	94.6
Hypertension	95.3	89.4	95.6	95.0	94.5	95.1	95.2	94.8	96.2	96.5	96.6
Glomerulonephritis	91.8	92.8	95.8	96.0	96.7	96.2	95.8	97.0	98.2	98.0	96.1
Other cause	94.2	93.5	96.1	93.8	95.1	94.6	94.0	94.6	95.3	95.6	96.0
All	93.2	92.1	93.6	94.2	94.4	94.9	94.2	94.8	95.4	95.5	95.9

Patients of unknown age, gender, race, or primary diagnosis are excluded.

Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.

Table G.16 (continued)
Patient Survival Probabilities: First Transplant, Living Donor, Adjusted
by age, gender, race, & primary diagnosis

THREE-YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	91.4	97.1	89.1	97.7	93.8	95.7	96.6	95.2	96.2	96.5	97.6
18-34	95.0	94.6	95.8	95.4	95.2	96.2	97.0	96.0	96.8	96.5	96.0
35-49	94.3	94.8	93.0	93.2	94.8	94.4	94.6	95.3	94.5	94.9	95.3
50-64	86.1	86.7	88.9	87.7	90.9	86.1	87.1	88.5	90.2	91.2	91.9
65+	78.1	73.3	79.7	85.2	75.0	80.9	82.4	82.9	85.8	85.4	83.7
Male	88.9	90.2	89.6	90.6	91.5	90.9	91.6	91.6	93.1	93.9	93.4
Female	90.2	91.8	90.2	91.8	92.1	91.8	92.8	93.0	92.5	92.5	93.9
White	89.8	91.1	89.8	91.5	92.5	91.4	92.7	92.2	92.8	93.2	93.8
Black	89.2	88.4	88.7	87.9	88.1	90.6	90.6	92.0	92.3	93.6	92.5
Other	87.4	98.1	96.4	97.2	92.2	93.5	90.1	94.3	96.5	94.8	95.4
Diabetes	84.8	89.9	87.4	85.1	87.1	87.1	89.5	88.4	90.5	89.0	90.2
Hypertension	90.4	91.3	87.1	93.9	93.4	90.3	92.3	93.6	92.5	93.8	94.5
Glomerulonephritis	94.0	90.9	91.4	94.4	93.8	94.1	93.8	94.3	96.0	97.2	97.0
Other cause	91.5	91.6	91.7	95.2	91.6	91.3	92.4	92.5	93.3	93.9	93.7
All	89.4	90.8	89.8	91.1	91.7	91.2	92.1	92.2	92.9	93.3	93.6
FIVE-YEAR	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-17	92.1	93.0	88.9	95.9	86.4	96.2	92.2	93.8	95.8	93.9	94.9
18-34	90.5	90.2	91.5	92.0	93.6	93.7	92.8	93.3	94.2	92.5	94.1
35-49	87.6	88.0	87.6	90.3	89.1	88.3	89.6	89.8	89.9	90.7	89.7
50-64	86.1	83.8	77.1	76.6	79.2	79.6	84.8	77.8	78.8	82.3	83.3
65+	73.2	75.5	79.1	74.7	72.3	80.8	63.9	67.7	71.3	74.7	78.1
Male	84.3	84.0	82.7	85.1	85.5	86.0	86.9	85.5	85.5	86.8	88.0
Female	86.0	86.3	82.4	85.8	83.8	86.6	86.3	85.6	88.0	87.6	87.4
White	85.0	84.4	84.1	85.9	84.2	86.8	87.3	85.9	87.3	86.9	87.8
Black	86.1	87.5	76.4	80.0	86.4	81.9	83.3	84.1	84.6	88.0	87.2
Other	86.0	88.4	79.1	96.3	92.8	93.2	87.1	87.4	84.3	88.2	90.5
Diabetes	75.7	74.2	75.5	80.9	78.9	76.1	78.3	76.8	79.3	80.7	83.0
Hypertension	90.0	89.6	80.8	83.1	80.5	86.9	88.9	85.6	85.6	87.0	86.8
Glomerulonephritis	89.1	89.4	90.6	87.0	87.8	90.5	89.8	90.3	91.1	92.2	91.2
Other cause	89.4	87.8	83.2	86.7	86.5	91.8	87.2	85.8	87.6	86.6	90.1
All	84.9	84.9	82.4	85.4	84.6	86.2	86.5	85.5	86.6	87.0	87.7
TEN-YEAR	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
0-17	84.1	80.5	80.6	88.0	93.0	85.7	86.3	85.8	92.2	83.6	89.8
18-34	75.0	76.1	75.5	77.1	76.4	79.2	78.5	84.3	82.9	85.5	84.3
35-49	62.2	61.2	66.2	64.6	67.0	69.7	69.7	69.0	76.9	73.6	72.9
50-64	51.0	49.7	59.5	61.7	57.9	58.7	59.3	56.2	52.1	48.6	54.8
65+	68.8	0.0	58.4	61.8	34.9	43.9	44.3	40.9	43.8	51.5	60.6
Male	55.8	57.7	60.3	62.6	63.2	63.3	64.1	66.6	69.0	69.0	69.6
Female	63.1	59.1	63.2	64.0	65.3	68.3	67.8	68.0	71.6	67.0	69.3
White	59.6	57.2	62.0	64.3	64.6	65.1	65.3	68.3	70.5	68.8	70.4
Black	56.1	62.6	57.2	55.0	59.5	65.1	67.5	62.5	65.1	62.5	63.4
Other	63.9	71.8	77.0	80.5	74.4	79.0	73.9	70.2	88.7	79.3	81.1
Diabetes	36.8	35.6	36.2	40.0	43.2	48.3	50.2	51.3	55.6	55.1	48.4
Hypertension	69.9	57.3	70.7	71.6	68.6	69.7	68.8	65.8	68.2	62.2	70.1
Glomerulonephritis	66.3	68.2	70.4	66.9	72.4	74.5	71.8	74.8	72.8	69.7	75.2
Other cause	58.6	68.3	65.6	74.8	74.1	72.0	73.0	70.0	71.6	72.3	78.1
All	58.5	58.2	61.4	63.1	63.8	65.2	65.5	66.9	69.8	67.9	69.2

Patients of unknown age, gender, race, or primary diagnosis are excluded.
 Age is calculated on the day of transplant.

Probabilities are estimated using a Cox proportional hazards model, adjusted for age, gender, race, & primary diagnosis, & standardized to 1996 patient characteristics.