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**Table G.1**  
**Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	87.8	83.0	86.4	88.4	83.3	93.3	93.3	95.8	89.2	93.8
18-34	87.7	88.4	87.3	88.2	90.7	91.6	92.8	93.3	92.5	93.5
35-49	87.4	87.4	89.0	90.1	89.6	91.3	93.2	93.6	93.4	93.9
50-64	85.6	86.9	87.6	88.6	90.5	90.8	91.4	91.5	91.5	92.9
65+	87.2	88.0	87.4	87.7	87.0	88.4	88.2	91.6	87.6	90.8
Male	87.7	87.4	88.9	89.9	90.0	91.3	93.0	93.1	92.3	93.5
Female	85.8	87.4	86.7	87.6	89.4	90.5	90.6	92.0	91.2	92.3
White	87.5	87.8	88.2	89.0	89.2	91.2	92.1	92.1	92.0	93.3
Black	85.2	86.0	87.1	88.8	90.3	89.9	91.6	92.9	90.9	91.9
Other	88.6	89.6	90.8	90.6	93.6	93.6	93.6	96.0	94.5	95.8
†Hispanic						92.9	93.4	94.7	91.6	95.6
†Non-Hispanic						90.8	91.9	92.4	91.9	92.7
Diabetes	87.0	86.6	89.7	90.1	90.3	91.5	91.1	92.0	92.4	93.3
Hypertension	86.7	86.7	88.9	88.5	89.8	91.6	91.4	93.7	92.2	91.7
Glomerulonephritis	87.3	88.9	87.6	89.9	90.6	90.4	93.5	93.2	92.6	93.1
Other	86.5	86.9	86.6	87.9	89.2	90.3	92.5	92.0	91.0	93.9
All	87.0	87.4	88.1	89.0	89.8	91.0	92.0	92.7	91.9	93.1

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	80.6	81.1	80.9	82.9	75.9	90.5	89.9	91.6	86.5	90.1
18-34	81.8	81.7	81.4	82.7	85.9	87.5	88.7	89.2	87.7	89.0
35-49	81.5	82.6	83.1	84.8	84.8	86.8	88.9	90.0	89.4	89.4
50-64	79.7	79.6	81.0	82.3	84.3	84.6	85.9	85.8	85.5	86.4
65+	79.5	82.8	73.9	78.7	80.3	81.4	79.9	82.2	80.4	83.2
Male	81.5	81.2	82.8	83.6	83.9	86.2	87.8	87.7	86.8	87.5
Female	80.0	82.0	79.2	82.2	85.2	85.1	85.9	87.4	86.3	87.4
White	81.9	82.0	82.0	83.5	84.1	86.5	87.7	87.5	87.3	88.9
Black	77.4	79.2	79.4	81.5	84.1	84.5	84.9	86.5	84.2	84.4
Other	85.8	86.3	83.8	87.3	88.5	84.2	91.6	92.6	91.2	89.4
†Hispanic						88.4	89.1	91.7	87.0	91.6
†Non-Hispanic						85.5	86.8	87.0	86.6	86.9
Diabetes	80.3	80.8	82.1	83.9	85.1	85.8	85.8	86.6	87.2	86.8
Hypertension	80.3	79.8	82.4	82.5	84.1	86.2	84.7	86.6	86.4	85.1
Glomerulonephritis	81.3	83.7	82.0	84.4	85.0	84.7	89.3	89.5	86.6	88.6
Other	81.4	81.1	80.1	81.7	83.7	85.8	88.2	88.0	87.1	89.8
All	80.9	81.5	81.4	83.1	84.4	85.8	87.1	87.6	86.7	87.5

**Standard Errors**

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	3.3	3.6	3.3	2.6	3.6	2.4	2.3	2.0	2.9	2.7
18-34	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.9	0.9
35-49	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
50-64	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6
65+	2.0	1.8	1.8	1.7	1.6	1.5	1.5	1.2	1.4	1.1
Male	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Female	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6
White	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Black	1.0	1.0	0.9	0.8	0.8	0.8	0.7	0.6	0.7	0.7
Other	2.0	1.8	1.7	1.7	1.4	1.3	1.3	1.0	1.1	1.0
†Hispanic						1.1	1.0	0.9	1.1	0.8
†Non-Hispanic						0.4	0.4	0.4	0.4	0.4
Diabetes	1.0	1.0	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
Hypertension	1.1	1.1	1.0	0.9	0.9	0.8	0.9	0.7	0.8	0.9
Glomerulonephritis	1.0	0.9	1.0	0.9	0.8	0.9	0.7	0.7	0.8	0.8
Other	1.0	1.0	0.9	0.9	0.9	0.8	0.7	0.8	0.8	0.7
All	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	4.0	3.8	3.7	3.1	4.1	2.9	2.7	2.8	3.2	3.3
18-34	1.1	1.2	1.1	1.1	1.0	1.1	1.0	1.0	1.1	1.1
35-49	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8
50-64	1.1	1.1	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8
65+	2.4	2.1	2.4	2.1	1.9	1.8	1.8	1.6	1.7	1.5
Male	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Female	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.8	0.8
White	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Black	1.2	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9
Other	2.2	2.1	2.2	1.9	1.9	2.0	1.5	1.3	1.4	1.5
†Hispanic						1.4	1.3	1.1	1.3	1.1
†Non-Hispanic						0.5	0.5	0.5	0.5	0.5
Diabetes	1.2	1.1	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9
Hypertension	1.3	1.3	1.2	1.1	1.1	1.0	1.1	1.1	1.1	1.1
Glomerulonephritis	1.1	1.1	1.1	1.1	1.0	1.1	0.9	0.9	1.0	1.0
Other	1.1	1.1	1.1	1.1	1.0	1.0	0.9	0.9	1.0	0.9
All	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

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.

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

**Table G.1 (continued)**  
**Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	74.5	73.6	76.4	76.0	71.3	80.0	81.5	86.3	82.9
18-34	75.0	75.9	75.4	76.4	81.1	80.9	83.2	84.6	81.8
35-49	76.7	76.5	77.6	79.7	80.2	81.1	83.5	85.3	84.5
50-64	75.4	74.2	75.0	76.8	79.7	79.5	80.6	79.8	80.7
65+	72.5	76.9	68.5	72.1	72.7	75.9	74.6	75.7	72.1
Male	75.9	74.9	76.8	77.8	79.0	80.4	81.8	82.2	81.5
Female	75.2	76.9	74.0	76.8	80.3	79.5	81.2	82.3	80.9
White	77.7	77.4	77.4	78.7	80.3	81.6	83.0	83.7	83.2
Black	69.2	70.3	70.0	73.6	76.7	76.2	78.0	78.2	76.0
Other	80.3	80.2	81.6	82.3	84.1	82.4	84.9	87.0	87.5
†Hispanic						84.4	83.9	89.0	83.6
†Non-Hispanic						79.6	81.3	81.3	81.0
Diabetes	75.2	74.8	76.0	78.2	80.4	80.5	79.6	80.8	81.5
Hypertension	73.0	72.1	74.4	76.1	77.6	79.0	78.9	80.1	79.3
Glomerulonephritis	76.5	77.8	77.6	80.0	79.9	78.9	83.7	84.9	81.3
Other	76.8	76.9	75.5	75.2	80.2	81.6	83.9	83.7	83.6
All	75.6	75.7	75.7	77.4	79.5	80.1	81.6	82.2	81.3

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	72.4	68.9	67.3	70.5	63.0	70.5	76.5	78.9
18-34	70.4	70.1	68.4	70.9	75.3	74.7	78.1	79.0
35-49	70.3	70.8	71.9	74.1	74.4	76.4	77.9	80.0
50-64	69.6	69.4	70.0	71.0	74.4	75.2	74.5	74.0
65+	66.3	69.2	62.2	66.7	65.4	70.0	65.8	68.4
Male	69.4	69.1	70.3	72.4	73.1	75.5	75.8	76.3
Female	70.9	71.5	68.9	71.1	74.6	74.2	75.5	76.6
White	73.2	72.4	72.2	74.5	75.8	77.3	78.0	78.3
Black	60.3	62.7	61.9	65.1	67.7	69.5	69.8	71.4
Other	76.0	75.9	76.8	76.3	79.7	77.5	80.7	82.2
†Hispanic						79.0	79.1	84.1
†Non-Hispanic						74.6	75.2	75.4
Diabetes	70.5	67.4	69.6	72.9	74.4	74.8	73.9	74.0
Hypertension	64.7	65.8	67.6	69.4	69.8	72.6	72.2	73.7
Glomerulonephritis	71.3	73.2	71.7	73.4	74.5	74.7	77.4	78.9
Other	72.0	72.7	70.1	70.9	75.5	77.7	78.5	79.5
All	70.0	70.1	69.8	71.9	73.7	75.0	75.7	76.4

**Standard Errors**

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	4.4	4.3	4.0	3.5	4.3	3.9	3.5	3.5	3.6
18-34	1.3	1.3	1.3	1.3	1.2	1.3	1.2	1.2	1.3
35-49	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.9
50-64	1.2	1.2	1.1	1.0	1.0	1.0	0.9	1.0	0.9
65+	2.7	2.4	2.5	2.3	2.2	2.0	2.0	1.8	1.9
Male	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7
Female	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9
White	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Black	1.3	1.3	1.3	1.1	1.1	1.1	1.0	1.0	1.1
Other	2.5	2.4	2.3	2.2	2.1	2.1	1.9	1.7	1.7
†Hispanic						1.6	1.5	1.3	1.5
†Non-Hispanic						0.6	0.6	0.6	0.6
Diabetes	1.3	1.3	1.1	1.1	1.0	1.0	1.0	1.0	1.0
Hypertension	1.5	1.5	1.4	1.3	1.2	1.2	1.2	1.2	1.3
Glomerulonephritis	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.2
Other	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.1	1.1
All	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	4.5	4.5	4.4	3.8	4.6	4.4	3.9	4.2
18-34	1.3	1.4	1.4	1.3	1.3	1.4	1.4	1.4
35-49	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
50-64	1.3	1.3	1.2	1.1	1.1	1.0	1.0	1.0
65+	2.9	2.6	2.7	2.5	2.3	2.1	2.2	1.9
Male	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
Female	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9
White	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
Black	1.4	1.4	1.3	1.2	1.2	1.2	1.1	1.1
Other	2.7	2.6	2.6	2.5	2.3	2.3	2.1	2.0
†Hispanic						1.8	1.7	1.5
†Non-Hispanic						0.6	0.6	0.6
Diabetes	1.4	1.4	1.2	1.2	1.1	1.1	1.1	1.1
Hypertension	1.6	1.6	1.5	1.4	1.4	1.3	1.4	1.4
Glomerulonephritis	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
Other	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
All	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6

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.

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

**Table G.1 (continued)**  
**Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted Standard Errors**

by age, gender, race, ethnicity, & primary diagnosis

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	60.2	61.3	54.5	58.2	51.9	60.0
18-34	59.8	58.9	58.2	59.3	62.9	63.8
35-49	58.9	58.9	62.4	62.9	63.3	65.9
50-64	56.6	58.2	57.7	59.2	61.6	62.3
65+	51.3	53.2	45.3	50.5	51.9	55.5
Male	56.7	57.3	58.5	59.4	61.2	63.5
Female	60.1	60.0	59.1	61.0	62.1	63.1
White	62.3	61.5	62.1	63.3	64.5	66.8
Black	46.2	48.2	48.3	51.8	53.1	54.3
Other	61.4	68.0	65.8	64.2	70.5	69.3
†Hispanic						70.2
†Non-Hispanic						62.6
Diabetes	56.5	54.0	57.1	58.8	62.0	61.5
Hypertension	51.3	52.3	53.6	56.3	55.3	57.8
Glomerulonephritis	59.5	61.8	61.2	60.8	61.7	64.6
Other	62.7	63.2	62.2	62.7	65.6	68.5
All	58.0	58.4	58.7	60.0	61.6	63.3

<b>TEN-YEAR</b>	<b>1991</b>
0-17	40.8
18-34	38.1
35-49	36.0
50-64	29.9
65+	20.5
Male	33.0
Female	35.7
White	36.9
Black	24.5
Other	42.9
†Hispanic	
†Non-Hispanic	
Diabetes	26.8
Hypertension	27.0
Glomerulonephritis	37.9
Other	39.5
All	34.0

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	4.9	4.7	4.7	4.1	4.8	4.8
18-34	1.4	1.5	1.4	1.5	1.4	1.6
35-49	1.2	1.2	1.1	1.1	1.1	1.1
50-64	1.4	1.3	1.3	1.2	1.2	1.2
65+	3.0	2.8	2.7	2.6	2.4	2.3
Male	0.9	0.9	0.9	0.9	0.8	0.8
Female	1.1	1.1	1.1	1.1	1.1	1.1
White	0.9	0.9	0.8	0.8	0.8	0.8
Black	1.4	1.4	1.4	1.3	1.3	1.3
Other	3.0	2.8	2.9	2.8	2.6	2.5
†Hispanic						2.0
†Non-Hispanic						0.7
Diabetes	1.5	1.5	1.3	1.3	1.3	1.2
Hypertension	1.7	1.6	1.6	1.5	1.5	1.5
Glomerulonephritis	1.4	1.5	1.5	1.4	1.4	1.4
Other	1.4	1.4	1.3	1.4	1.3	1.3
All	0.7	0.7	0.7	0.7	0.7	0.7

<b>TEN-YEAR</b>	<b>1991</b>
0-17	4.9
18-34	1.4
35-49	1.1
50-64	1.3
65+	2.4
Male	0.9
Female	1.1
White	0.8
Black	1.2
Other	3.1
†Hispanic	
†Non-Hispanic	
Diabetes	1.3
Hypertension	1.5
Glomerulonephritis	1.4
Other	1.4
All	0.7

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.

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

." Zero values in this cell.

**Table G.3**  
**Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	93.4	87.5	89.6	96.2	91.3	91.4	97.2	91.1	100.0	95.1
18-34	94.3	92.2	94.6	93.8	94.5	95.1	94.7	96.7	96.6	96.8
35-49	94.7	91.8	94.1	93.0	94.5	94.0	95.9	97.2	96.2	95.9
50-64	92.9	94.7	91.6	93.9	91.8	95.6	94.0	94.2	95.1	96.1
65+	85.0	90.2	92.7	100.0	89.3	94.0	92.3	95.1	96.8	94.2
Male	94.2	92.5	93.6	94.2	92.9	95.1	95.6	95.8	97.0	95.9
Female	93.7	91.2	93.0	93.5	94.1	93.9	94.0	95.5	95.1	95.9
White	94.2	91.9	93.3	94.1	93.8	94.6	94.4	95.6	95.9	96.2
Black	91.3	90.5	93.2	92.9	91.0	93.9	95.8	95.8	97.4	94.7
Other	100.0	96.7	95.5	95.1	95.4	95.7	97.6	96.2	95.9	96.0
†Hispanic					94.4	95.9	95.1	97.5	97.3	
†Non-Hispanic					94.6	94.7	95.8	96.0	95.6	
Diabetes	92.6	88.4	91.8	93.2	93.4	95.7	94.7	94.4	94.9	95.4
Hypertension	94.0	94.3	95.4	95.5	94.0	96.3	95.3	95.7	96.0	96.8
Glomerulonephritis	96.1	91.9	93.9	94.3	93.2	93.8	95.0	96.9	96.5	94.2
Other	92.8	93.3	92.4	92.9	93.7	94.0	94.7	95.6	96.8	97.0
All	94.0	92.0	93.3	93.9	93.4	94.5	94.9	95.7	96.2	95.9

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	89.3	82.5	85.2	94.3	88.1	88.8	93.5	90.2	97.6	92.6
18-34	91.9	89.4	92.0	92.1	92.3	92.4	91.9	94.0	94.8	93.6
35-49	91.8	89.7	90.9	89.5	92.6	91.9	93.4	94.2	93.9	93.4
50-64	89.1	91.3	85.7	88.8	87.5	91.2	90.5	90.8	91.8	93.4
65+	85.0	78.0	82.9	100.0	85.3	91.0	89.7	87.3	94.8	90.0
Male	91.0	89.4	89.3	91.0	90.1	92.6	92.8	93.1	94.8	92.7
Female	91.1	87.9	89.9	91.0	91.6	90.3	90.8	91.5	92.5	93.4
White	91.4	88.7	89.4	92.0	91.3	92.2	91.6	92.7	93.7	93.6
Black	86.9	87.3	90.0	87.2	87.7	88.5	92.0	90.4	93.6	90.0
Other	100.0	95.1	90.9	90.1	92.0	93.6	95.2	94.3	95.1	93.7
†Hispanic					91.8	94.2	93.2	94.9	93.6	
†Non-Hispanic					91.6	91.6	92.2	93.6	92.8	
Diabetes	89.8	86.6	87.3	90.6	90.2	93.6	91.3	91.2	91.9	92.6
Hypertension	88.0	90.3	91.7	90.1	90.8	93.4	93.0	91.8	93.9	92.4
Glomerulonephritis	93.1	88.9	89.5	91.5	90.8	90.9	91.9	94.0	94.2	91.1
Other	90.8	89.3	89.3	91.4	91.0	90.8	92.3	92.4	94.9	95.0
All	91.0	88.8	89.5	91.0	90.7	91.6	92.0	92.4	93.8	93.0

**Standard Errors**

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	2.2	3.0	2.8	1.8	2.5	2.6	1.6	2.7	0.0	2.4
18-34	1.1	1.2	1.0	1.1	1.0	0.9	1.0	0.8	0.9	0.8
35-49	1.1	1.3	1.1	1.2	1.0	1.0	0.8	0.7	0.9	0.8
50-64	1.9	1.6	1.7	1.4	1.5	1.0	1.1	1.1	1.0	0.8
65+	7.8	4.6	4.0	0.0	3.5	2.4	2.5	1.8	1.4	1.5
Male	0.9	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.6
Female	1.1	1.2	1.1	1.0	0.9	0.9	0.9	0.8	0.8	0.7
White	0.8	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5
Black	2.1	2.1	1.6	1.6	1.7	1.3	1.1	1.1	0.9	1.2
Other	0.0	2.3	2.5	2.4	2.2	2.1	1.4	1.8	1.8	1.7
†Hispanic						1.5	1.3	1.3	1.0	0.9
†Non-Hispanic						0.6	0.6	0.5	0.5	0.5
Diabetes	1.5	1.9	1.6	1.4	1.3	1.0	1.1	1.1	1.1	1.0
Hypertension	1.9	1.7	1.4	1.3	1.5	1.1	1.3	1.3	1.2	0.9
Glomerulonephritis	1.1	1.4	1.3	1.2	1.2	1.1	1.0	0.8	0.8	1.1
Other	1.4	1.3	1.3	1.3	1.1	1.1	1.0	0.9	0.8	0.7
All	0.7	0.8	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	2.8	3.5	3.3	2.2	2.9	2.9	2.4	2.8	1.6	2.9
18-34	1.3	1.4	1.2	1.2	1.2	1.1	1.2	1.1	1.1	1.2
35-49	1.4	1.5	1.4	1.4	1.1	1.2	1.1	1.1	1.1	1.0
50-64	2.3	2.0	2.1	1.9	1.8	1.4	1.4	1.4	1.2	1.1
65+	7.8	6.4	5.8	0.0	4.1	2.8	2.8	2.8	1.8	1.9
Male	1.1	1.1	1.1	1.0	1.0	0.8	0.8	0.8	0.7	0.8
Female	1.3	1.4	1.3	1.2	1.1	1.1	1.1	1.0	1.0	0.9
White	0.9	1.0	0.9	0.8	0.8	0.7	0.8	0.7	0.7	0.6
Black	2.5	2.4	1.9	2.0	2.0	1.8	1.5	1.7	1.3	1.6
Other	0.0	2.7	3.5	3.3	2.9	2.5	1.9	2.2	1.9	2.2
†Hispanic						1.8	1.5	1.5	1.4	1.4
†Non-Hispanic						0.7	0.7	0.7	0.6	0.6
Diabetes	1.8	2.1	1.9	1.7	1.6	1.3	1.4	1.4	1.4	1.2
Hypertension	2.6	2.2	1.9	1.9	1.8	1.5	1.6	1.7	1.4	1.4
Glomerulonephritis	1.4	1.6	1.6	1.4	1.4	1.3	1.2	1.1	1.1	1.3
Other	1.5	1.6	1.5	1.4	1.3	1.3	1.2	1.2	1.0	0.9
All	0.8	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6

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.

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

**Table G.3 (continued)**  
**Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	76.0	63.3	63.5	82.1	69.8	75.0
18-34	75.4	72.2	73.2	74.1	76.5	74.1
35-49	72.1	72.4	74.7	73.6	78.0	76.7
50-64	68.3	75.2	69.6	69.0	68.0	74.4
65+	75.0	61.0	56.1	70.2	65.3	75.0
Male	74.2	71.7	72.0	72.6	74.5	75.9
Female	72.1	71.3	71.0	74.5	73.6	74.1
White	75.6	73.1	73.6	76.5	76.0	77.0
Black	58.5	60.3	63.1	60.9	64.3	67.1
Other	83.7	80.3	72.7	71.6	78.2	76.6
†Hispanic						77.5
†Non-Hispanic						74.8
Diabetes	67.0	67.2	67.3	69.9	72.1	74.8
Hypertension	66.7	71.0	71.0	70.7	68.8	73.3
Glomerulonephritis	75.2	71.9	73.4	72.1	75.8	75.2
Other	78.1	74.1	72.1	77.4	75.8	76.8
All	73.3	71.6	71.6	73.4	74.1	75.1

<b>TEN-YEAR</b>	<b>1991</b>
0-17	50.4
18-34	57.9
35-49	54.5
50-64	43.2
65+	55.0
Male	55.2
Female	51.6
White	56.6
Black	36.6
Other	61.2
†Hispanic	
†Non-Hispanic	
Diabetes	39.3
Hypertension	42.7
Glomerulonephritis	60.1
Other	60.8
All	53.6

**Standard Errors**

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	3.9	4.4	4.5	3.7	4.1	4.0
18-34	2.0	2.1	2.0	1.9	1.9	1.9
35-49	2.3	2.2	2.1	2.0	1.7	1.8
50-64	3.4	3.0	2.8	2.8	2.5	2.2
65+	9.4	7.5	7.6	6.6	5.4	4.3
Male	1.7	1.7	1.6	1.5	1.4	1.4
Female	2.0	2.0	1.9	1.8	1.7	1.6
White	1.4	1.4	1.4	1.3	1.2	1.2
Black	3.6	3.5	3.1	3.0	2.9	2.7
Other	5.2	5.0	5.4	5.0	4.4	4.3
†Hispanic						2.7
†Non-Hispanic						1.1
Diabetes	2.8	2.9	2.7	2.6	2.4	2.2
Hypertension	3.8	3.4	3.1	2.9	2.9	2.7
Glomerulonephritis	2.5	2.3	2.3	2.2	2.0	2.0
Other	2.2	2.3	2.2	2.0	2.0	1.9
All	1.3	1.3	1.2	1.2	1.1	1.0

<b>TEN-YEAR</b>	<b>1991</b>
0-17	4.5
18-34	2.3
35-49	2.5
50-64	3.6
65+	10.7
Male	1.9
Female	2.2
White	1.6
Black	3.5
Other	6.9
†Hispanic	
†Non-Hispanic	
Diabetes	2.9
Hypertension	4.0
Glomerulonephritis	2.8
Other	2.6
All	1.5

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.

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

**Table G.5**  
**Death-Censored Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted**      **Standard Errors**

by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	88.7	83.9	88.1	89.6	86.1	93.3	94.1	95.8	89.2	95.0
18-34	88.5	90.0	88.6	89.4	92.1	92.6	93.4	94.5	93.3	94.1
35-49	89.1	90.1	90.9	91.6	91.7	93.0	95.5	94.9	95.2	95.5
50-64	89.4	91.3	91.6	92.4	94.2	94.1	95.1	94.5	95.4	96.3
65+	94.0	94.1	92.3	92.8	94.2	93.1	93.5	95.7	93.4	95.8
Male	89.9	90.8	91.6	92.4	92.8	93.7	95.6	95.2	94.8	96.2
Female	88.3	90.2	89.1	89.7	92.3	92.6	93.6	94.3	94.4	94.7
White	89.8	91.1	90.7	91.6	92.4	93.6	95.0	94.6	95.0	95.8
Black	87.7	88.8	89.8	90.8	92.7	92.2	94.3	94.7	93.3	94.9
Other	90.9	92.4	92.9	91.9	95.2	95.4	95.2	96.5	96.7	97.0
†Hispanic						94.1	95.8	96.3	94.3	97.6
†Non-Hispanic						93.2	94.7	94.6	94.7	95.3
Diabetes	89.9	91.3	93.1	93.3	94.1	94.8	94.9	95.2	96.4	96.3
Hypertension	88.9	89.9	91.2	90.8	93.2	93.8	94.5	95.4	94.7	95.4
Glomerulonephritis	88.8	91.3	89.0	91.4	92.2	92.2	95.3	94.7	94.3	94.6
Other	89.0	89.0	88.9	90.1	91.2	92.0	94.6	93.9	93.4	95.6
All	89.3	90.5	90.6	91.4	92.6	93.3	94.8	94.8	94.6	95.6

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	83.4	82.0	83.4	85.4	78.4	90.5	91.5	92.6	87.4	91.3
18-34	83.7	85.0	84.1	85.4	87.9	89.9	90.2	91.4	89.5	90.5
35-49	85.0	86.6	86.4	88.1	88.3	89.9	92.7	93.0	93.2	92.3
50-64	86.2	87.5	88.1	89.6	91.5	90.8	93.1	92.0	92.7	93.4
65+	91.1	92.7	85.6	89.2	91.3	90.0	91.4	91.9	90.8	93.3
Male	86.0	87.0	87.6	89.0	88.8	90.7	93.1	92.5	91.9	92.9
Female	84.2	86.5	84.2	86.3	89.9	89.4	91.0	91.8	92.3	91.9
White	86.5	87.5	87.2	88.6	89.5	91.1	93.0	92.7	92.8	93.9
Black	81.4	84.3	83.4	85.9	87.9	88.7	90.1	90.7	89.4	89.7
Other	89.7	89.4	89.1	90.6	92.4	88.5	94.9	94.9	95.7	93.5
†Hispanic						91.7	93.1	95.3	92.1	95.4
†Non-Hispanic						90.0	92.2	91.8	92.0	92.1
Diabetes	86.5	87.9	89.4	90.3	91.9	92.5	92.2	93.3	94.4	93.5
Hypertension	84.2	85.0	86.8	87.4	89.2	89.6	91.1	90.9	92.2	91.8
Glomerulonephritis	84.8	87.6	84.3	87.5	88.1	88.4	93.0	92.5	90.1	91.2
Other	85.4	85.6	84.4	86.6	87.7	89.3	92.5	91.9	91.5	93.2
All	85.3	86.8	86.3	88.0	89.2	90.2	92.3	92.2	92.0	92.5

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	3.2	3.5	3.1	2.5	3.3	2.4	2.2	2.0	2.9	2.4
18-34	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.8	0.9	0.8
35-49	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5
50-64	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4
65+	1.4	1.4	1.5	1.4	1.2	1.2	1.1	0.9	1.1	0.8
Male	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3
Female	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5
White	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
Black	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5
Other	1.8	1.6	1.6	1.6	1.2	1.2	1.1	0.9	0.9	0.8
†Hispanic						1.0	0.8	0.8	0.9	0.6
†Non-Hispanic						0.4	0.3	0.3	0.3	0.3
Diabetes	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5
Hypertension	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.7	0.7	0.7
Glomerulonephritis	0.9	0.8	0.9	0.8	0.8	0.8	0.6	0.7	0.7	0.7
Other	0.9	0.9	0.9	0.9	0.8	0.8	0.6	0.7	0.7	0.6
All	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	3.7	3.7	3.5	2.9	4.0	2.9	2.6	2.7	3.1	3.1
18-34	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.0
35-49	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7
50-64	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.7	0.6	0.6
65+	1.8	1.5	2.0	1.7	1.4	1.4	1.3	1.2	1.3	1.0
Male	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
Female	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6
White	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.4
Black	1.1	1.0	1.0	0.9	0.8	0.8	0.8	0.7	0.8	0.8
Other	1.9	1.9	1.9	1.7	1.5	1.8	1.2	1.1	1.0	1.2
†Hispanic						1.2	1.1	0.9	1.1	0.8
†Non-Hispanic						0.4	0.4	0.4	0.4	0.4
Diabetes	1.0	1.0	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6
Hypertension	1.2	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.8	0.9
Glomerulonephritis	1.1	1.0	1.1	1.0	0.9	0.9	0.7	0.8	0.9	0.9
Other	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7
All	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4

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.

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

**Table G.5 (continued)**  
**Death-Censored Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted**      **Standard Errors**

by age, gender, race, ethnicity, & primary diagnosis

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	78.1	75.3	79.6	79.7	74.6	81.8	84.6	87.3	83.7
18-34	78.1	79.9	78.6	80.1	83.7	84.3	85.5	86.8	84.5
35-49	81.8	82.3	82.5	85.0	85.0	86.3	88.4	89.9	89.9
50-64	84.0	84.7	85.0	86.9	89.2	88.5	90.0	88.7	90.3
65+	88.1	90.1	84.2	87.6	89.7	88.5	89.4	90.7	86.9
Male	82.4	82.4	83.6	85.6	86.0	87.0	88.9	89.4	88.6
Female	80.7	83.2	80.5	82.7	86.4	86.3	87.6	88.4	88.8
White	84.0	84.7	84.4	86.3	87.5	88.6	90.1	90.8	90.5
Black	74.9	77.2	75.8	80.0	82.3	82.5	84.4	84.8	83.6
Other	85.9	86.0	87.6	87.8	90.6	86.9	90.5	91.6	93.8
†Hispanic						89.3	90.0	93.1	89.9
†Non-Hispanic						86.4	88.2	88.4	88.5
Diabetes	84.1	85.1	85.6	88.0	89.6	90.2	88.9	90.8	92.0
Hypertension	78.8	79.1	81.1	82.5	84.5	84.5	86.5	86.7	87.1
Glomerulonephritis	80.8	82.8	80.7	84.3	84.5	84.1	88.3	88.8	85.9
Other	82.2	82.6	81.2	82.8	85.3	86.6	89.1	88.9	89.3
All	81.7	82.8	82.4	84.5	86.1	86.7	88.4	89.0	88.7

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	77.1	70.5	70.2	74.0	65.8	72.1	80.2	79.8
18-34	74.1	74.7	72.4	75.2	78.0	78.7	81.2	81.7
35-49	76.5	78.2	78.2	80.7	80.9	82.8	84.2	85.9
50-64	81.5	82.6	82.8	83.7	86.5	86.1	86.6	86.1
65+	86.8	86.9	81.5	86.2	86.9	86.4	86.4	88.1
Male	78.0	78.5	78.9	81.8	81.9	83.5	85.1	85.9
Female	77.5	79.6	77.1	78.5	82.3	82.8	83.7	84.4
White	81.2	81.9	81.2	83.5	84.8	86.0	87.3	87.9
Black	67.7	70.5	68.9	73.3	74.9	76.9	78.2	79.3
Other	83.8	82.5	84.8	83.8	86.9	83.6	87.5	88.5
†Hispanic						85.1	86.7	89.3
†Non-Hispanic						83.0	84.3	84.7
Diabetes	81.3	80.2	82.2	84.6	86.1	86.9	86.2	87.3
Hypertension	72.8	75.0	75.9	77.4	78.4	79.8	81.2	81.8
Glomerulonephritis	76.9	78.9	76.0	79.3	80.1	80.2	83.5	85.0
Other	78.6	79.7	77.3	79.8	82.1	83.9	85.8	85.8
All	77.8	78.9	78.2	80.5	82.1	83.2	84.5	85.3

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	4.2	4.2	3.9	3.4	4.2	3.8	3.3	3.4	3.5
18-34	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.3
35-49	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7
50-64	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.8	0.7
65+	2.0	1.8	2.1	1.8	1.5	1.5	1.5	1.3	1.5
Male	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6
Female	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7
White	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5
Black	1.3	1.2	1.2	1.0	1.0	1.0	0.9	0.9	1.0
Other	2.2	2.1	2.0	1.9	1.7	1.9	1.6	1.4	1.2
†Hispanic						1.4	1.3	1.0	1.2
†Non-Hispanic						0.5	0.5	0.5	0.5
Diabetes	1.1	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.7
Hypertension	1.4	1.4	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Glomerulonephritis	1.2	1.2	1.2	1.1	1.1	1.1	0.9	0.9	1.0
Other	1.1	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9
All	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.5

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	4.3	4.4	4.4	3.7	4.6	4.4	3.7	4.1
18-34	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3
35-49	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
50-64	1.1	1.1	1.0	1.0	0.9	0.8	0.8	0.9
65+	2.2	2.0	2.2	1.9	1.7	1.7	1.7	1.4
Male	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6
Female	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
White	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
Black	1.4	1.3	1.3	1.2	1.1	1.1	1.1	1.1
Other	2.3	2.3	2.2	2.2	2.0	2.1	1.8	1.7
†Hispanic						1.6	1.4	1.3
†Non-Hispanic						0.6	0.5	0.6
Diabetes	1.2	1.2	1.1	1.0	0.9	0.9	0.9	0.9
Hypertension	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.2
Glomerulonephritis	1.3	1.2	1.3	1.2	1.2	1.2	1.1	1.1
Other	1.2	1.2	1.2	1.2	1.1	1.0	1.0	1.0
All	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5

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.

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

**Table G.5 (continued)**  
**Death-Censored Graft Survival Probabilities: First Transplant, Cadaveric, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	64.0	64.6	59.4	62.3	54.2	61.4
18-34	64.7	65.0	63.8	64.3	66.9	68.7
35-49	69.1	69.6	71.3	72.5	72.0	75.0
50-64	74.7	77.4	76.9	77.1	79.4	78.9
65+	79.9	82.5	75.1	82.2	80.7	82.1
Male	69.7	71.1	71.0	73.0	73.5	75.5
Female	70.3	71.4	71.1	71.1	72.8	75.0
White	74.9	75.5	75.1	76.1	77.4	79.7
Black	56.1	59.2	58.9	63.0	62.6	64.9
Other	72.9	76.2	77.2	76.5	80.2	77.3
†Hispanic						79.0
†Non-Hispanic						74.9
Diabetes	73.0	72.5	75.3	76.2	78.3	79.1
Hypertension	62.8	64.7	66.1	68.1	67.0	68.7
Glomerulonephritis	67.8	70.6	67.9	68.9	69.9	72.4
Other	72.6	73.7	71.8	73.3	74.6	77.5
All	69.9	71.2	71.0	72.3	73.2	75.3

<b>TEN-YEAR</b>	<b>1991</b>
0-17	46.2
18-34	44.8
35-49	53.4
50-64	60.1
65+	68.8
Male	53.7
Female	52.4
White	58.4
Black	38.2
Other	59.0
†Hispanic	
†Non-Hispanic	
Diabetes	52.6
Hypertension	44.3
Glomerulonephritis	50.9
Other	57.2
All	53.2

**Standard Errors**

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	4.9	4.7	4.8	4.1	4.8	4.8
18-34	1.4	1.5	1.4	1.5	1.4	1.5
35-49	1.1	1.1	1.1	1.0	1.0	1.0
50-64	1.3	1.2	1.1	1.1	1.1	1.0
65+	2.7	2.3	2.6	2.2	2.1	1.9
Male	0.9	0.9	0.9	0.8	0.8	0.8
Female	1.1	1.1	1.1	1.1	1.0	1.0
White	0.8	0.8	0.8	0.8	0.7	0.7
Black	1.5	1.5	1.4	1.3	1.3	1.3
Other	2.9	2.6	2.6	2.5	2.4	2.4
†Hispanic						1.8
†Non-Hispanic						0.7
Diabetes	1.4	1.4	1.2	1.2	1.2	1.1
Hypertension	1.7	1.6	1.6	1.4	1.5	1.5
Glomerulonephritis	1.4	1.4	1.4	1.4	1.4	1.4
Other	1.3	1.3	1.3	1.3	1.3	1.2
All	0.7	0.7	0.7	0.6	0.6	0.6

<b>TEN-YEAR</b>	<b>1991</b>
0-17	5.2
18-34	1.5
35-49	1.3
50-64	1.6
65+	3.7
Male	1.0
Female	1.3
White	1.0
Black	1.5
Other	3.3
†Hispanic	
†Non-Hispanic	
Diabetes	1.8
Hypertension	1.9
Glomerulonephritis	1.6
Other	1.5
All	0.8

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.

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

**Table G.7**  
**Death-Censored Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	94.2	90.8	89.6	96.2	93.6	92.2	97.2	92.0	100.0	95.1
18-34	95.2	92.8	96.0	94.7	95.3	95.3	95.0	97.1	96.8	96.8
35-49	95.2	92.5	94.3	93.6	95.6	95.8	97.3	98.2	97.4	96.8
50-64	96.1	95.6	93.0	95.3	94.5	98.5	96.4	95.7	96.9	97.5
65+	95.0	92.7	95.0	100.0	93.3	98.0	96.6	98.6	98.1	98.7
Male	95.4	93.5	94.4	94.9	94.8	96.9	97.0	97.1	98.0	97.3
Female	95.0	92.3	94.1	94.5	95.3	95.2	95.6	96.6	96.2	97.0
White	95.6	92.8	94.1	95.0	95.5	96.5	96.0	97.0	96.9	97.4
Black	92.3	92.6	94.8	93.6	92.0	94.9	97.3	96.1	98.6	96.5
Other	100.0	96.7	95.5	95.1	97.6	95.7	97.6	97.2	97.5	96.8
†Hispanic						96.9	96.7	96.6	97.9	97.6
†Non-Hispanic						96.1	96.3	96.9	97.2	97.1
Diabetes	95.0	89.9	93.4	95.4	96.2	97.3	97.9	97.3	96.4	97.4
Hypertension	94.0	95.4	95.8	95.9	95.6	97.4	96.5	96.5	97.5	98.5
Glomerulonephritis	96.7	92.7	94.2	94.8	93.6	94.6	95.6	97.3	97.6	95.4
Other	93.9	94.1	93.5	93.3	95.2	96.4	96.0	96.2	97.5	97.5
All	95.2	93.0	94.3	94.7	95.0	96.2	96.4	96.8	97.3	97.2

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	91.7	86.4	85.2	96.2	91.1	91.3	93.5	91.1	97.6	92.6
18-34	93.6	90.6	94.0	93.0	93.7	93.2	93.3	95.0	95.5	94.5
35-49	93.6	91.5	92.7	91.8	94.5	94.5	96.0	95.9	96.1	95.0
50-64	94.4	94.6	89.6	93.0	93.4	96.4	95.1	94.6	95.8	96.4
65+	95.0	87.7	89.9	100.0	93.3	95.9	95.7	96.3	97.4	96.1
Male	93.8	91.8	91.7	93.2	93.5	95.4	95.3	95.7	97.2	95.4
Female	93.2	90.1	92.0	92.8	93.9	93.1	94.1	94.2	94.5	95.2
White	93.9	91.0	91.6	94.0	94.5	95.1	94.6	95.3	96.0	95.7
Black	90.0	90.4	92.7	89.0	89.8	91.6	95.2	93.5	95.9	93.4
Other	100.0	95.1	92.4	93.8	94.1	94.7	95.2	96.2	96.7	96.0
†Hispanic						95.2	95.4	95.0	95.7	96.3
†Non-Hispanic						94.3	94.7	95.0	96.1	95.2
Diabetes	93.6	89.5	91.4	94.4	95.0	96.7	96.8	96.5	96.4	95.6
Hypertension	90.6	93.1	93.5	92.5	94.3	96.3	96.1	94.5	95.6	96.7
Glomerulonephritis	95.4	90.5	90.5	93.0	91.8	92.3	93.2	94.9	96.3	93.1
Other	92.2	91.7	91.4	92.4	94.0	93.9	94.1	94.0	96.0	96.1
All	93.6	91.1	91.8	93.0	93.7	94.4	94.8	95.0	96.1	95.3

**Standard Errors**

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	2.1	2.6	2.8	1.8	2.2	2.5	1.6	2.6	0.0	2.4
18-34	1.0	1.2	0.9	1.0	1.0	0.9	1.0	0.8	0.8	0.8
35-49	1.1	1.3	1.1	1.1	0.9	0.8	0.7	0.6	0.7	0.7
50-64	1.4	1.4	1.5	1.3	1.2	0.6	0.9	1.0	0.8	0.7
65+	4.8	4.0	3.4	0.0	2.9	1.4	1.7	1.0	1.1	0.7
Male	0.8	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.5
Female	1.0	1.2	1.0	0.9	0.8	0.8	0.8	0.7	0.7	0.6
White	0.7	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.4
Black	2.0	1.9	1.4	1.5	1.6	1.2	0.9	1.1	0.6	1.0
Other	0.0	2.3	2.5	2.4	1.6	2.1	1.4	1.6	1.4	1.6
†Hispanic						1.1	1.1	1.1	0.9	0.9
†Non-Hispanic						0.5	0.5	0.5	0.4	0.4
Diabetes	1.3	1.8	1.4	1.2	1.0	0.8	0.7	0.8	0.9	0.7
Hypertension	1.9	1.6	1.4	1.3	1.3	1.0	1.1	1.1	0.9	0.6
Glomerulonephritis	1.0	1.4	1.2	1.1	1.1	1.0	0.9	0.8	0.7	0.9
Other	1.3	1.2	1.2	1.2	1.0	0.8	0.8	0.8	0.7	0.7
All	0.6	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	2.5	3.1	3.3	1.8	2.6	2.6	2.4	2.7	1.6	2.9
18-34	1.1	1.4	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1
35-49	1.3	1.3	1.2	1.2	1.0	1.0	0.8	0.9	0.9	0.9
50-64	1.7	1.6	1.9	1.5	1.3	0.9	1.0	1.1	0.9	0.8
65+	4.8	5.1	4.7	0.0	2.9	2.0	1.9	1.6	1.3	1.3
Male	0.9	1.0	1.0	0.9	0.8	0.7	0.7	0.7	0.5	0.6
Female	1.1	1.3	1.1	1.1	0.9	0.9	0.9	0.9	0.9	0.8
White	0.8	0.9	0.9	0.7	0.6	0.6	0.6	0.6	0.6	0.5
Black	2.2	2.1	1.7	1.9	1.8	1.6	1.2	1.4	1.1	1.4
Other	0.0	2.7	3.2	2.7	2.5	2.3	1.9	1.9	1.6	1.7
†Hispanic						1.4	1.3	1.3	1.3	1.1
†Non-Hispanic						0.6	0.6	0.6	0.5	0.5
Diabetes	1.5	1.9	1.6	1.3	1.2	0.9	0.9	0.9	0.9	1.0
Hypertension	2.4	1.9	1.7	1.7	1.5	1.1	1.2	1.4	1.2	1.0
Glomerulonephritis	1.2	1.5	1.5	1.3	1.3	1.2	1.1	1.0	0.9	1.2
Other	1.4	1.4	1.4	1.3	1.1	1.1	1.0	1.0	0.9	0.8
All	0.7	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5

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.

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

**Table G.7 (continued)**  
**Death-Censored Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	87.4	82.1	82.6	95.3	86.1	88.6	89.8	90.2	95.2
18-34	89.8	88.4	89.9	89.9	90.2	88.6	88.4	91.0	90.2
35-49	91.5	88.9	89.9	89.6	92.9	92.5	94.0	94.5	94.7
50-64	92.7	91.6	88.1	91.9	92.1	95.7	93.9	93.4	94.1
65+	95.0	87.7	89.9	100.0	93.3	94.8	94.8	94.0	96.0
Male	91.3	89.1	89.0	91.3	91.1	92.9	93.2	93.9	94.9
Female	89.7	87.6	88.7	90.4	91.8	90.6	90.6	91.5	91.5
White	91.5	88.7	89.1	92.4	92.6	93.2	92.5	93.3	94.3
Black	84.3	85.4	87.7	84.7	85.7	86.6	89.9	90.5	90.8
Other	98.0	93.4	89.3	91.2	91.8	91.5	93.5	94.3	92.6
†Hispanic						92.5	92.9	93.5	93.2
†Non-Hispanic						91.8	92.0	92.7	93.5
Diabetes	92.1	88.0	89.3	92.0	93.5	94.2	95.3	95.8	94.0
Hypertension	85.8	89.6	91.2	90.8	92.7	93.6	92.4	90.0	92.0
Glomerulonephritis	91.0	87.7	86.1	91.0	88.7	89.4	90.9	92.2	93.9
Other	89.8	89.2	88.7	90.2	91.3	92.0	90.5	92.5	93.4
All	90.6	88.5	88.9	90.9	91.4	91.9	92.1	92.9	93.5

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	84.9	74.2	75.7	92.4	82.8	87.7	88.9	85.6
18-34	86.8	85.3	84.9	87.0	87.2	84.7	85.4	85.5
35-49	88.4	86.0	88.2	87.5	90.9	89.7	90.0	91.0
50-64	90.9	91.1	86.9	90.7	88.3	94.8	91.7	91.5
65+	95.0	84.9	89.9	100.0	93.3	94.8	93.8	92.4
Male	89.2	86.0	86.7	88.6	88.7	90.2	90.6	90.4
Female	86.2	84.6	84.2	88.7	88.6	88.4	87.5	87.7
White	89.0	86.3	86.7	90.6	90.7	91.3	90.5	90.4
Black	80.2	79.2	80.6	80.0	79.7	82.2	84.5	83.7
Other	95.9	90.1	89.3	91.2	88.1	88.1	89.5	91.4
†Hispanic						88.8	89.5	91.9
†Non-Hispanic						89.6	89.2	88.7
Diabetes	88.6	86.4	87.2	91.0	92.9	93.0	93.0	93.1
Hypertension	81.6	84.8	88.2	87.7	86.7	92.5	89.1	84.2
Glomerulonephritis	89.0	84.1	82.7	87.1	86.4	87.0	87.7	88.0
Other	87.2	86.4	84.7	88.9	88.3	88.0	87.7	90.1
All	87.9	85.4	85.7	88.6	88.7	89.5	89.3	89.2

**Standard Errors**

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	3.0	3.5	3.5	2.1	3.1	3.0	2.9	2.8	2.3
18-34	1.4	1.5	1.4	1.3	1.3	1.4	1.4	1.3	1.4
35-49	1.4	1.5	1.4	1.4	1.1	1.1	1.0	1.0	1.0
50-64	2.0	1.9	2.0	1.7	1.4	1.0	1.1	1.2	1.1
65+	4.8	5.1	4.7	0.0	2.9	2.2	2.1	2.0	1.6
Male	1.1	1.2	1.1	1.0	0.9	0.8	0.8	0.8	0.7
Female	1.4	1.5	1.3	1.2	1.1	1.1	1.1	1.0	1.1
White	0.9	1.0	1.0	0.8	0.7	0.7	0.7	0.7	0.7
Black	2.7	2.6	2.1	2.2	2.1	1.9	1.7	1.7	1.6
Other	2.0	3.2	3.8	3.2	3.0	2.9	2.2	2.3	2.4
†Hispanic						1.8	1.7	1.5	1.6
†Non-Hispanic						0.7	0.7	0.7	0.7
Diabetes	1.6	2.0	1.8	1.6	1.3	1.2	1.1	1.0	1.2
Hypertension	2.9	2.3	1.9	1.9	1.7	1.5	1.7	1.9	1.6
Glomerulonephritis	1.6	1.7	1.8	1.4	1.5	1.4	1.3	1.3	1.1
Other	1.6	1.6	1.6	1.5	1.3	1.2	1.3	1.2	1.1
All	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.6

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	3.3	4.0	4.0	2.6	3.4	3.1	3.0	3.3
18-34	1.6	1.7	1.6	1.5	1.5	1.6	1.6	1.6
35-49	1.7	1.7	1.5	1.5	1.2	1.3	1.3	1.3
50-64	2.2	2.0	2.1	1.8	1.8	1.1	1.3	1.3
65+	4.8	5.6	4.7	0.0	2.9	2.2	2.3	2.3
Male	1.2	1.3	1.2	1.1	1.0	1.0	0.9	1.0
Female	1.6	1.6	1.6	1.3	1.2	1.2	1.2	1.2
White	1.0	1.1	1.1	0.9	0.8	0.8	0.8	0.8
Black	3.0	3.0	2.5	2.5	2.4	2.2	2.0	2.1
Other	2.8	3.8	3.8	3.2	3.5	3.3	2.8	2.7
†Hispanic						2.1	2.0	1.7
†Non-Hispanic						0.8	0.8	0.9
Diabetes	1.9	2.1	1.9	1.7	1.4	1.3	1.3	1.3
Hypertension	3.2	2.7	2.2	2.1	2.2	1.6	2.0	2.3
Glomerulonephritis	1.8	1.9	2.0	1.7	1.6	1.5	1.4	1.5
Other	1.8	1.8	1.8	1.5	1.5	1.5	1.4	1.3
All	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0.8

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.

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

**Table G.7 (continued)**  
**Death-Censored Graft Survival Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	78.1	66.4	65.0	84.6	72.9	79.5
18-34	80.7	77.1	77.4	77.4	80.7	77.6
35-49	81.2	79.1	82.3	81.9	84.5	83.4
50-64	85.4	86.8	85.2	85.5	84.2	89.4
65+	95.0	82.1	80.4	100.0	90.0	91.2
Male	82.9	78.5	80.4	81.0	83.6	84.1
Female	79.8	78.4	78.1	82.4	81.0	81.9
White	83.9	79.9	81.7	84.6	85.3	85.3
Black	67.2	69.1	69.8	68.1	69.7	73.3
Other	89.4	83.3	79.7	85.4	84.5	86.9
†Hispanic						84.2
†Non-Hispanic						83.0
Diabetes	83.2	80.3	81.2	86.4	87.2	87.0
Hypertension	73.6	77.5	81.1	78.3	77.5	84.6
Glomerulonephritis	80.9	76.0	76.6	77.1	79.8	79.9
Other	82.1	79.6	78.1	83.1	83.6	82.3
All	81.5	78.4	79.4	81.6	82.5	83.1

<b>TEN-YEAR</b>	<b>1991</b>
0-17	54.8
18-34	65.5
35-49	69.1
50-64	72.7
65+	88.2
Male	69.8
Female	63.1
White	70.0
Black	48.6
Other	73.7
†Hispanic	
†Non-Hispanic	
Diabetes	66.6
Hypertension	49.5
Glomerulonephritis	70.0
Other	66.6
All	66.8

**Standard Errors**

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	3.8	4.4	4.4	3.5	4.0	3.8
18-34	1.9	2.0	1.9	1.8	1.8	1.8
35-49	2.1	2.0	1.9	1.8	1.5	1.6
50-64	2.8	2.4	2.2	2.2	2.0	1.6
65+	4.8	6.1	6.6	0.0	3.6	3.0
Male	1.5	1.5	1.4	1.4	1.2	1.2
Female	1.8	1.8	1.8	1.6	1.6	1.5
White	1.2	1.3	1.2	1.1	1.0	1.0
Black	3.6	3.5	3.0	2.9	2.8	2.6
Other	4.4	4.8	5.0	4.0	3.9	3.5
†Hispanic						2.4
†Non-Hispanic						1.0
Diabetes	2.3	2.5	2.3	2.0	1.9	1.8
Hypertension	3.7	3.2	2.7	2.7	2.7	2.3
Glomerulonephritis	2.3	2.2	2.2	2.1	1.9	1.8
Other	2.1	2.1	2.1	1.9	1.8	1.7
All	1.2	1.2	1.1	1.0	1.0	0.9

<b>TEN-YEAR</b>	<b>1991</b>
0-17	4.6
18-34	2.3
35-49	2.5
50-64	3.8
65+	7.7
Male	1.9
Female	2.3
White	1.6
Black	4.0
Other	6.5
†Hispanic	
†Non-Hispanic	
Diabetes	3.2
Hypertension	4.3
Glomerulonephritis	2.7
Other	2.6
All	1.5

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.

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

**Table G.9**  
**Survival with Functioning Graft Probabilities: First Transplant, Cadaveric, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	98.9	98.9	98.0	98.6	96.8	100.0	99.2	100.0	100.0	98.7
18-34	99.0	98.2	98.6	98.7	98.5	99.0	99.3	98.7	99.1	99.4
35-49	98.1	97.0	97.9	98.4	97.8	98.2	97.6	98.6	98.1	98.3
50-64	95.8	95.1	95.6	95.9	96.1	96.5	96.0	96.9	96.0	96.4
65+	92.7	93.6	94.7	94.5	92.3	95.0	94.4	95.7	93.8	94.8
Male	97.5	96.3	97.1	97.2	97.0	97.4	97.3	97.8	97.4	97.3
Female	97.2	96.9	97.2	97.7	96.8	97.7	96.9	97.6	96.6	97.5
White	97.4	96.4	97.2	97.1	96.6	97.5	97.0	97.4	96.9	97.5
Black	97.2	96.8	97.0	97.8	97.5	97.5	97.1	98.1	97.4	96.8
Other	97.5	96.9	97.7	98.6	98.2	98.1	98.3	99.5	97.7	98.7
†Hispanic						98.8	97.5	98.3	97.1	98.0
†Non-Hispanic						97.4	97.1	97.7	97.1	97.3
Diabetes	96.8	94.9	96.4	96.6	96.0	96.6	95.9	96.6	95.9	96.9
Hypertension	97.5	96.5	97.4	97.5	96.4	97.6	96.7	98.2	97.4	96.1
Glomerulonephritis	98.3	97.3	98.4	98.3	98.3	98.1	98.1	98.5	98.2	98.4
Other	97.2	97.6	97.4	97.5	97.7	98.1	97.8	97.9	97.4	98.2
All	97.4	96.6	97.2	97.4	97.0	97.5	97.1	97.7	97.1	97.4

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	96.6	98.9	97.0	97.1	96.8	100.0	98.3	98.9	99.0	98.7
18-34	97.7	96.1	96.7	96.8	97.8	97.4	98.4	97.6	97.9	98.3
35-49	95.9	95.4	96.1	96.2	96.0	96.5	95.9	96.8	95.9	96.8
50-64	92.5	91.0	91.9	91.9	92.1	93.1	92.3	93.3	92.2	92.5
65+	87.2	89.4	86.3	88.2	88.0	90.4	87.5	89.5	88.6	89.2
Male	94.8	93.3	94.5	93.9	94.4	95.0	94.4	94.7	94.5	94.2
Female	95.0	94.8	94.1	95.4	94.8	95.1	94.4	95.3	93.6	95.1
White	94.7	93.7	94.1	94.1	94.0	95.0	94.2	94.4	94.0	94.7
Black	95.1	93.9	95.2	94.8	95.6	95.3	94.2	95.3	94.2	94.1
Other	95.7	96.5	94.1	96.4	95.7	95.2	96.5	97.5	95.3	95.6
†Hispanic						96.3	95.7	96.3	94.4	96.0
†Non-Hispanic						94.9	94.2	94.8	94.1	94.4
Diabetes	92.9	91.9	91.8	93.0	92.6	92.8	93.0	92.9	92.4	92.9
Hypertension	95.4	93.9	94.9	94.4	94.3	96.1	92.9	95.2	93.7	92.7
Glomerulonephritis	96.0	95.6	97.3	96.4	96.4	95.8	96.1	96.8	96.1	97.1
Other	95.4	94.7	94.9	94.4	95.4	96.1	95.3	95.8	95.3	96.4
All	94.9	93.9	94.4	94.5	94.5	95.1	94.4	94.9	94.2	94.6

**Standard Errors**

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	1.1	1.1	1.4	1.0	1.8	0.0	0.8	0.0	0.0	1.3
18-34	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3
35-49	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3
50-64	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.4
65+	1.6	1.4	1.3	1.2	1.3	1.0	1.1	0.9	1.1	0.9
Male	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Female	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.4
White	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Black	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Other	1.0	1.1	0.9	0.7	0.8	0.8	0.7	0.4	0.8	0.6
†Hispanic						0.5	0.7	0.5	0.7	0.6
†Non-Hispanic						0.2	0.3	0.2	0.3	0.3
Diabetes	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Hypertension	0.5	0.6	0.5	0.5	0.6	0.5	0.6	0.4	0.5	0.6
Glomerulonephritis	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Other	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4
All	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	1.9	1.1	1.7	1.4	1.8	0.0	1.2	1.1	1.0	1.3
18-34	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5
35-49	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.4	0.5	0.4
50-64	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6
65+	2.1	1.8	2.0	1.7	1.6	1.4	1.6	1.3	1.4	1.2
Male	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Female	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5
White	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Black	0.7	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6
Other	1.3	1.1	1.5	1.1	1.2	1.2	1.0	0.8	1.1	1.0
†Hispanic						0.8	0.9	0.8	0.9	0.8
†Non-Hispanic						0.3	0.4	0.3	0.4	0.4
Diabetes	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Hypertension	0.7	0.8	0.7	0.7	0.7	0.6	0.8	0.7	0.8	0.8
Glomerulonephritis	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.6	0.5
Other	0.6	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
All	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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.

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

**Table G.9 (continued)**  
**Survival with Functioning Graft Probabilities: First Transplant, Cadaveric, Unadjusted Standard Errors**

by age, gender, race, ethnicity, & primary diagnosis

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	95.3	97.7	95.9	95.4	95.6	97.8	96.4	98.9	99.0
18-34	96.0	95.0	96.0	95.4	97.0	96.1	97.3	97.5	96.8
35-49	93.7	93.0	94.1	93.7	94.3	94.0	94.5	94.9	94.0
50-64	89.7	87.5	88.2	88.4	89.3	89.9	89.5	89.9	89.4
65+	82.3	85.5	81.3	82.4	81.2	85.7	83.4	83.5	82.9
Male	92.1	90.8	91.9	90.9	91.9	92.5	92.0	91.9	92.1
Female	93.1	92.4	92.0	92.8	92.9	92.1	92.8	93.1	91.1
White	92.5	91.4	91.7	91.2	91.8	92.1	92.1	92.1	91.9
Black	92.3	91.1	92.3	92.0	93.2	92.4	92.4	92.3	90.8
Other	93.5	93.3	93.2	93.8	92.8	94.8	93.8	95.0	93.2
†Hispanic						94.4	93.2	95.6	93.0
†Non-Hispanic						92.1	92.2	91.9	91.5
Diabetes	89.5	88.0	88.8	88.9	89.7	89.2	89.6	89.0	88.6
Hypertension	92.6	91.2	91.7	92.2	91.9	93.5	91.2	92.4	91.0
Glomerulonephritis	94.7	94.0	96.2	94.9	94.5	93.8	94.8	95.6	94.6
Other	93.4	93.2	92.9	90.8	94.0	94.2	94.1	94.2	93.7
All	92.5	91.4	91.9	91.6	92.3	92.3	92.3	92.4	91.7

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	94.0	97.7	95.9	95.4	95.6	97.8	95.3	98.9
18-34	95.1	93.8	94.4	94.3	96.6	94.9	96.2	96.7
35-49	91.9	90.5	92.0	91.9	92.0	92.3	92.5	93.1
50-64	85.5	84.1	84.5	84.9	86.0	87.3	86.0	86.0
65+	76.4	79.6	76.3	77.3	75.2	81.0	76.2	77.6
Male	89.0	88.1	89.2	88.5	89.3	90.5	89.0	88.9
Female	91.4	89.9	89.4	90.6	90.6	89.7	90.2	90.8
White	90.1	88.4	89.0	89.2	89.3	89.9	89.3	89.0
Black	89.1	88.9	89.8	88.9	90.3	90.3	89.2	90.0
Other	90.7	92.0	90.7	91.0	91.6	92.7	92.2	92.9
†Hispanic						92.9	91.3	94.2
†Non-Hispanic						89.9	89.3	89.0
Diabetes	86.7	84.0	84.7	86.1	86.5	86.0	85.7	84.7
Hypertension	88.9	87.8	89.2	89.6	89.1	90.9	88.9	90.1
Glomerulonephritis	92.8	92.7	94.4	92.6	93.0	93.0	92.7	92.8
Other	91.6	91.1	90.7	88.9	91.9	92.7	91.4	92.6
All	89.9	88.8	89.3	89.2	89.8	90.2	89.5	89.6

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	2.3	1.6	2.0	1.8	2.1	1.5	1.8	1.1	1.0
18-34	0.6	0.7	0.6	0.7	0.5	0.7	0.6	0.5	0.6
35-49	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.6
50-64	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.8
65+	2.4	2.1	2.3	2.1	2.0	1.7	1.8	1.6	1.7
Male	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Female	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7
White	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Black	0.8	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.8
Other	1.6	1.6	1.6	1.5	1.6	1.3	1.3	1.2	1.3
†Hispanic						1.0	1.1	0.8	1.1
†Non-Hispanic						0.4	0.4	0.4	0.4
Diabetes	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8
Hypertension	0.9	1.0	0.9	0.8	0.9	0.8	0.9	0.9	0.9
Glomerulonephritis	0.7	0.8	0.6	0.7	0.7	0.7	0.7	0.6	0.7
Other	0.8	0.8	0.8	0.9	0.7	0.7	0.7	0.7	0.7
All	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	2.6	1.6	2.0	1.8	2.1	1.5	2.0	1.1
18-34	0.7	0.8	0.7	0.7	0.6	0.8	0.7	0.6
35-49	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
50-64	1.0	1.1	1.0	0.9	0.9	0.8	0.8	0.9
65+	2.7	2.4	2.5	2.3	2.2	1.9	2.1	1.8
Male	0.6	0.7	0.6	0.6	0.6	0.5	0.6	0.6
Female	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7
White	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6
Black	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8
Other	1.9	1.7	1.9	1.7	1.7	1.5	1.5	1.4
†Hispanic						1.2	1.2	1.0
†Non-Hispanic						0.5	0.5	0.5
Diabetes	1.1	1.1	1.0	1.0	0.9	0.9	0.9	1.0
Hypertension	1.2	1.2	1.0	1.0	1.0	0.9	1.0	1.0
Glomerulonephritis	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Other	0.9	0.9	0.9	1.0	0.8	0.8	0.8	0.8
All	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4

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.

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

**Table G.9 (continued)**  
**Survival with Functioning Graft Probabilities: First Transplant, Cadaveric, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

FIVE-YEAR	1991	1992	1993	1994	1995	1996
0-17	94.0	95.0	91.8	93.5	95.6	97.8
18-34	92.4	90.7	91.2	92.3	94.0	92.9
35-49	85.2	84.6	87.5	86.8	88.0	88.0
50-64	75.8	75.2	75.1	76.8	77.6	79.1
65+	64.2	64.6	60.4	61.5	64.3	67.6
Male	81.4	80.6	82.4	81.4	83.3	84.1
Female	85.6	84.0	83.1	85.7	85.3	84.2
White	83.2	81.5	82.7	83.2	83.3	83.8
Black	82.4	81.4	81.9	82.2	84.9	83.6
Other	84.3	89.3	85.2	83.9	88.0	89.7
†Hispanic						88.9
†Non-Hispanic						83.6
Diabetes	77.4	74.5	75.8	77.1	79.1	77.8
Hypertension	81.6	80.8	81.1	82.7	82.5	84.1
Glomerulonephritis	87.7	87.5	90.1	88.2	88.3	89.2
Other	86.3	85.7	86.6	85.5	88.0	88.4
All	83.0	81.9	82.7	83.0	84.0	84.1

TEN-YEAR	1991
0-17	88.4
18-34	85.1
35-49	67.5
50-64	49.8
65+	29.8
Male	61.3
Female	68.2
White	63.2
Black	64.3
Other	72.8
†Hispanic	
†Non-Hispanic	
Diabetes	50.9
Hypertension	61.1
Glomerulonephritis	74.5
Other	69.0
All	64.0

**Standard Errors**

FIVE-YEAR	1991	1992	1993	1994	1995	1996
0-17	2.6	2.4	3.0	2.2	2.1	1.5
18-34	0.9	1.0	0.9	0.9	0.8	0.9
35-49	0.9	1.0	0.8	0.8	0.8	0.8
50-64	1.3	1.3	1.2	1.1	1.1	1.0
65+	3.1	2.9	3.0	2.7	2.5	2.3
Male	0.8	0.8	0.8	0.7	0.7	0.7
Female	0.9	1.0	0.9	0.9	0.9	0.9
White	0.7	0.8	0.7	0.7	0.7	0.7
Black	1.3	1.3	1.2	1.1	1.0	1.1
Other	2.5	2.0	2.3	2.3	2.0	1.8
†Hispanic						1.5
†Non-Hispanic						0.6
Diabetes	1.4	1.4	1.2	1.2	1.1	1.1
Hypertension	1.5	1.5	1.4	1.2	1.3	1.2
Glomerulonephritis	1.1	1.1	1.0	1.0	1.0	1.0
Other	1.1	1.1	1.0	1.1	1.0	1.0
All	0.6	0.6	0.6	0.6	0.5	0.5

TEN-YEAR	1991
0-17	4.0
18-34	1.3
35-49	1.4
50-64	1.6
65+	3.1
Male	1.1
Female	1.3
White	1.0
Black	1.9
Other	3.3
†Hispanic	
†Non-Hispanic	
Diabetes	1.8
Hypertension	2.1
Glomerulonephritis	1.6
Other	1.6
All	0.9

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.

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

**Table G.11**  
**Survival with Functioning Graft Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	99.1	96.4	100.0	100.0	97.5	99.1	100.0	99.0	100.0	100.0
18-34	99.1	99.3	98.6	99.0	99.2	99.8	99.6	99.6	99.8	100.0
35-49	99.5	99.3	99.8	99.4	98.9	98.1	98.5	99.0	98.8	99.1
50-64	96.6	99.0	98.4	98.5	97.1	97.0	97.5	98.4	98.1	98.5
65+	89.5	97.4	97.6	100.0	95.7	95.9	95.6	96.4	98.7	95.4
Male	98.7	99.0	99.1	99.3	98.0	98.1	98.6	98.7	99.0	98.6
Female	98.6	98.8	98.9	99.0	98.8	98.6	98.3	98.9	98.8	98.8
White	98.6	99.1	99.1	99.1	98.3	98.0	98.3	98.5	99.0	98.8
Black	98.9	97.7	98.3	99.2	98.8	99.0	98.5	99.7	98.8	98.2
Other	100.0	100.0	100.0	100.0	97.7	100.0	100.0	99.0	98.4	99.2
†Hispanic						97.3	99.2	98.4	99.6	99.7
†Non-Hispanic						98.5	98.4	98.8	98.8	98.5
Diabetes	97.5	98.4	98.3	97.7	97.1	98.4	96.8	97.0	98.4	98.0
Hypertension	100.0	98.8	99.5	99.6	98.4	98.9	98.8	99.2	98.5	98.2
Glomerulonephritis	99.3	99.2	99.7	99.5	99.5	99.1	99.4	99.5	98.9	98.7
Other	98.8	99.2	98.7	99.5	98.4	97.5	98.7	99.4	99.4	99.5
All	98.7	98.9	99.0	99.1	98.3	98.3	98.5	98.8	98.9	98.7

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	97.3	95.4	100.0	98.0	96.7	97.2	100.0	99.0	100.0	100.0
18-34	98.2	98.6	97.9	99.0	98.5	99.2	98.5	98.9	99.3	99.1
35-49	98.1	98.0	98.1	97.6	98.0	97.2	97.2	98.1	97.7	98.2
50-64	94.4	96.4	95.6	95.5	93.8	94.5	95.2	96.0	95.8	96.9
65+	89.5	89.0	92.3	100.0	91.4	94.9	93.8	90.6	97.4	93.6
Male	97.0	97.4	97.4	97.6	96.4	97.0	97.4	97.3	97.5	97.1
Female	97.7	97.5	97.7	98.1	97.5	97.0	96.5	97.1	97.9	98.1
White	97.3	97.4	97.6	97.9	96.6	97.0	96.8	97.3	97.6	97.8
Black	96.5	96.6	97.0	98.0	97.7	96.6	96.6	96.6	97.6	96.3
Other	100.0	100.0	98.4	96.1	97.7	98.9	100.0	98.1	98.4	97.5
†Hispanic						96.4	98.7	98.0	99.1	97.2
†Non-Hispanic						97.1	96.8	97.1	97.4	97.6
Diabetes	96.0	96.7	95.5	96.0	95.0	96.7	94.4	94.5	95.3	96.9
Hypertension	97.1	97.0	98.1	97.4	96.2	97.0	96.8	97.1	98.2	95.5
Glomerulonephritis	97.6	98.3	98.8	98.4	98.8	98.5	98.6	99.1	97.8	97.8
Other	98.5	97.4	97.7	99.0	96.8	96.7	98.1	98.2	98.9	98.9
All	97.3	97.4	97.5	97.8	96.8	97.0	97.0	97.2	97.7	97.5

**Standard Errors**

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	0.9	1.8	0.0	0.0	1.4	0.9	0.0	1.0	0.0	0.0
18-34	0.4	0.4	0.5	0.4	0.4	0.2	0.3	0.3	0.2	0.0
35-49	0.4	0.4	0.2	0.4	0.4	0.6	0.5	0.5	0.5	0.4
50-64	1.3	0.7	0.8	0.7	0.9	0.8	0.7	0.6	0.6	0.5
65+	6.8	2.6	2.4	0.0	2.4	2.0	1.9	1.6	0.9	1.4
Male	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.4	0.3	0.4
Female	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4
White	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
Black	0.8	1.1	0.8	0.6	0.7	0.6	0.7	0.3	0.6	0.7
Other	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.0	1.1	0.8
†Hispanic						1.1	0.6	0.8	0.4	0.3
†Non-Hispanic						0.3	0.3	0.3	0.3	0.3
Diabetes	0.9	0.8	0.8	0.9	0.9	0.7	0.9	0.8	0.6	0.7
Hypertension	0.0	0.8	0.5	0.4	0.8	0.6	0.7	0.6	0.7	0.7
Glomerulonephritis	0.5	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.5	0.5
Other	0.6	0.5	0.6	0.4	0.6	0.7	0.5	0.3	0.4	0.3
All	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	1.5	2.0	0.0	1.4	1.6	1.6	0.0	1.0	0.0	0.0
18-34	0.6	0.6	0.6	0.4	0.6	0.4	0.5	0.5	0.4	0.5
35-49	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.7	0.6
50-64	1.7	1.3	1.3	1.3	1.3	1.1	1.0	0.9	0.9	0.7
65+	6.8	5.1	4.2	0.0	3.3	2.2	2.3	2.5	1.3	1.6
Male	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5
Female	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.6	0.5
White	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4
Black	1.4	1.4	1.1	0.9	0.9	1.0	1.0	1.0	0.8	1.0
Other	0.0	0.0	1.6	2.2	1.6	1.1	0.0	1.3	1.1	1.4
†Hispanic						1.2	0.7	0.9	0.6	1.0
†Non-Hispanic						0.4	0.5	0.5	0.4	0.4
Diabetes	1.2	1.1	1.2	1.1	1.2	0.9	1.2	1.1	1.1	0.8
Hypertension	1.4	1.3	1.0	1.1	1.2	1.0	1.1	1.1	0.8	1.1
Glomerulonephritis	0.9	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.7	0.7
Other	0.7	0.8	0.8	0.5	0.8	0.8	0.6	0.6	0.5	0.4
All	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

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.

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

**Table G.11 (continued)**  
**Survival with Functioning Graft Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	97.3	95.4	100.0	98.0	95.8	95.3	100.0	98.0	98.8
18-34	97.0	97.2	97.5	98.4	97.9	98.2	97.9	98.1	98.8
35-49	95.5	96.2	97.3	96.0	96.7	95.8	96.3	97.1	95.8
50-64	92.0	95.9	94.4	92.7	90.4	92.2	93.3	93.9	94.0
65+	84.2	89.0	89.6	91.5	88.6	91.7	91.1	90.6	94.0
Male	95.1	96.0	96.6	96.5	94.6	95.3	96.1	95.9	95.5
Female	96.0	96.4	97.1	95.9	96.0	95.5	95.5	96.3	96.8
White	95.6	96.5	96.6	96.6	95.0	95.2	95.7	96.0	95.8
Black	94.0	93.5	97.0	95.4	96.0	95.6	95.0	95.6	96.1
Other	100.0	98.3	98.4	93.4	95.2	97.7	100.0	98.1	98.4
†Hispanic						96.0	97.8	98.0	98.7
†Non-Hispanic						95.3	95.5	95.7	95.6
Diabetes	92.2	94.2	94.7	94.2	92.2	93.9	92.4	92.7	92.9
Hypertension	95.6	95.1	97.0	96.0	95.0	94.7	95.5	95.5	97.8
Glomerulonephritis	96.2	98.0	98.5	97.3	97.6	97.3	98.2	98.4	96.2
Other	97.8	96.3	97.2	96.9	95.4	95.6	96.8	97.2	97.1
All	95.5	96.2	96.8	96.2	95.2	95.4	95.9	96.0	96.1

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	97.3	95.4	100.0	98.0	95.8	94.4	97.9	98.0
18-34	95.2	95.9	96.6	97.3	97.0	97.3	97.7	97.1
35-49	93.4	95.1	94.7	94.4	95.7	95.0	94.5	95.3
50-64	87.2	93.8	89.4	87.6	87.6	89.6	90.5	91.9
65+	84.2	86.2	81.4	83.0	81.4	88.6	87.5	85.4
Male	92.9	94.5	93.9	94.1	92.9	93.6	94.5	93.7
Female	94.0	95.5	95.0	93.9	94.7	94.5	93.6	95.0
White	93.6	95.3	94.0	94.6	93.3	93.8	93.8	93.9
Black	90.6	92.2	95.1	94.0	94.7	94.0	93.7	94.9
Other	97.9	96.5	96.7	86.6	95.2	95.4	98.3	97.0
†Hispanic						95.0	96.5	97.2
†Non-Hispanic						93.8	93.7	93.7
Diabetes	87.9	91.2	91.0	90.7	88.8	91.1	88.8	89.6
Hypertension	94.0	94.5	92.5	93.7	93.6	92.7	93.4	94.6
Glomerulonephritis	94.8	97.0	97.2	95.4	96.4	96.9	97.1	97.4
Other	96.9	95.3	95.5	95.6	94.7	94.5	96.2	95.5
All	93.4	94.9	94.4	94.0	93.6	94.0	94.1	94.3

**Standard Errors**

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	1.5	2.0	0.0	1.4	1.8	2.0	0.0	1.4	1.2
18-34	0.8	0.8	0.7	0.6	0.7	0.6	0.7	0.6	0.5
35-49	1.1	1.0	0.8	0.9	0.8	0.9	0.8	0.8	0.9
50-64	2.0	1.4	1.4	1.6	1.6	1.3	1.2	1.2	1.1
65+	8.1	5.1	4.9	4.0	3.8	2.8	2.7	2.5	1.9
Male	0.9	0.8	0.7	0.7	0.8	0.7	0.6	0.7	0.7
Female	0.9	0.9	0.7	0.8	0.8	0.8	0.8	0.7	0.7
White	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Black	1.8	1.9	1.1	1.4	1.2	1.2	1.2	1.2	1.1
Other	0.0	1.7	1.6	2.8	2.3	1.6	0.0	1.3	1.1
†Hispanic						1.3	1.0	0.9	0.7
†Non-Hispanic						0.6	0.5	0.6	0.6
Diabetes	1.6	1.5	1.3	1.4	1.5	1.3	1.4	1.3	1.3
Hypertension	1.8	1.7	1.2	1.3	1.4	1.4	1.3	1.3	0.9
Glomerulonephritis	1.1	0.8	0.7	0.8	0.7	0.8	0.6	0.6	0.9
Other	0.8	1.0	0.8	0.9	1.0	0.9	0.8	0.7	0.8
All	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	1.5	2.0	0.0	1.4	1.8	2.2	1.5	1.4
18-34	1.0	1.0	0.8	0.7	0.8	0.7	0.7	0.8
35-49	1.3	1.1	1.1	1.1	0.9	0.9	1.0	1.0
50-64	2.5	1.7	2.0	2.1	1.8	1.5	1.4	1.3
65+	8.1	5.7	6.3	5.4	4.6	3.2	3.1	3.0
Male	1.0	0.9	0.9	0.8	0.9	0.8	0.7	0.8
Female	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8
White	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.7
Black	2.3	2.1	1.4	1.5	1.4	1.4	1.4	1.3
Other	2.1	2.4	2.3	3.9	2.3	2.2	1.2	1.7
†Hispanic						1.5	1.2	1.0
†Non-Hispanic						0.6	0.6	0.7
Diabetes	2.0	1.8	1.7	1.7	1.7	1.5	1.7	1.5
Hypertension	2.1	1.8	1.9	1.6	1.6	1.6	1.6	1.5
Glomerulonephritis	1.3	0.9	0.9	1.1	0.9	0.8	0.8	0.8
Other	1.0	1.1	1.1	1.0	1.1	1.0	0.9	0.9
All	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6

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.

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

**Table G.11 (continued)**  
**Survival with Functioning Graft Probabilities: First Transplant, Living Donor, Unadjusted Standard Errors**

by age, gender, race, ethnicity, & primary diagnosis

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	97.3	95.4	97.6	97.0	95.8	94.4
18-34	93.4	93.7	94.6	95.7	94.8	95.5
35-49	88.8	91.4	90.7	89.8	92.3	91.9
50-64	79.9	86.7	81.7	80.6	80.8	83.2
65+	78.9	74.3	69.7	70.2	72.6	82.2
Male	89.4	91.4	89.6	89.6	89.1	90.3
Female	90.4	91.0	91.0	90.4	90.8	90.5
White	90.2	91.6	90.1	90.5	89.1	90.3
Black	87.0	87.3	90.3	89.5	92.2	91.5
Other	93.6	96.5	91.2	83.8	92.5	88.1
†Hispanic						92.0
†Non-Hispanic						90.1
Diabetes	80.6	83.6	82.9	80.9	82.7	86.0
Hypertension	90.6	91.7	87.5	90.2	88.8	86.6
Glomerulonephritis	92.9	94.6	95.8	93.5	95.0	94.2
Other	95.2	93.1	92.3	93.1	90.6	93.4
All	89.9	91.2	90.2	90.0	89.8	90.4

<b>TEN-YEAR</b>	<b>1991</b>
0-17	92.1
18-34	88.4
35-49	78.8
50-64	59.4
65+	62.3
Male	79.1
Female	81.8
White	80.9
Black	75.4
Other	83.1
†Hispanic	
†Non-Hispanic	
Diabetes	59.0
Hypertension	86.2
Glomerulonephritis	85.9
Other	91.3
All	80.2

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	1.5	2.0	1.7	1.7	1.8	2.2
18-34	1.2	1.2	1.1	0.9	1.1	1.0
35-49	1.7	1.4	1.5	1.5	1.2	1.2
50-64	3.1	2.5	2.5	2.5	2.2	1.9
65+	9.1	7.3	7.5	6.6	5.3	3.9
Male	1.3	1.1	1.1	1.1	1.1	1.0
Female	1.4	1.4	1.3	1.3	1.2	1.1
White	1.0	0.9	1.0	0.9	0.9	0.9
Black	2.7	2.7	2.1	2.1	1.8	1.7
Other	3.5	2.4	3.7	4.3	2.9	3.5
†Hispanic						1.9
†Non-Hispanic						0.8
Diabetes	2.5	2.4	2.3	2.3	2.1	1.9
Hypertension	2.6	2.2	2.4	2.0	2.1	2.1
Glomerulonephritis	1.5	1.3	1.1	1.3	1.1	1.1
Other	1.2	1.4	1.4	1.3	1.4	1.2
All	0.9	0.9	0.9	0.8	0.8	0.7

<b>TEN-YEAR</b>	<b>1991</b>
0-17	2.9
18-34	1.7
35-49	2.3
50-64	4.0
65+	10.9
Male	1.8
Female	1.9
White	1.4
Black	3.9
Other	5.8
†Hispanic	
†Non-Hispanic	
Diabetes	3.3
Hypertension	3.3
Glomerulonephritis	2.2
Other	1.7
All	1.3

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.

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

**Table G.13**  
**Patient Survival Probabilities: First Transplant, Cadaveric, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	99.0	99.1	98.2	97.9	97.2	100.0	99.2	100.0	100.0	98.8
18-34	99.1	98.4	98.7	98.7	98.6	98.8	99.3	98.7	98.8	99.3
35-49	98.0	97.1	98.0	98.4	97.8	98.2	97.6	98.4	98.1	98.2
50-64	95.9	95.2	95.8	95.7	96.2	96.4	95.8	96.8	96.0	96.3
65+	92.7	93.8	94.3	94.5	92.2	94.5	94.4	95.6	93.9	94.8
Male	97.5	96.4	97.2	97.1	97.0	97.3	97.2	97.6	97.4	97.2
Female	97.3	97.0	97.4	97.6	96.9	97.6	96.9	97.6	96.5	97.5
White	97.4	96.5	97.3	97.1	96.7	97.4	96.9	97.3	96.8	97.4
Black	97.4	97.0	97.0	97.8	97.5	97.3	97.1	97.9	97.3	96.7
Other	97.2	97.1	97.8	98.3	98.0	98.2	98.3	99.5	97.7	98.5
†Hispanic						98.9	97.4	98.4	97.1	97.6
†Non-Hispanic						97.3	97.0	97.5	97.0	97.2
Diabetes	96.7	95.1	96.4	96.5	96.1	96.6	96.0	96.6	95.9	96.6
Hypertension	97.7	96.8	97.5	97.6	96.3	97.5	96.7	98.1	97.3	96.2
Glomerulonephritis	98.3	97.2	98.5	98.4	98.3	97.9	98.0	98.3	98.0	98.3
Other	97.2	97.8	97.5	97.1	97.8	98.0	97.7	97.8	97.4	98.2
All	97.4	96.7	97.3	97.3	97.0	97.4	97.1	97.6	97.1	97.3

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	95.9	98.1	97.3	96.6	97.2	100.0	98.3	98.9	99.1	98.8
18-34	97.2	95.8	96.5	96.6	97.3	96.9	98.0	97.6	97.2	97.9
35-49	95.0	94.5	95.5	95.5	95.5	96.2	95.7	96.3	95.8	96.2
50-64	91.7	90.0	91.2	91.3	92.0	92.5	91.3	92.4	91.8	91.9
65+	85.0	89.0	84.1	87.4	86.3	88.6	86.8	88.0	87.4	87.8
Male	93.9	92.8	93.9	93.5	93.9	94.4	93.9	94.1	94.1	93.6
Female	94.3	93.8	93.6	94.5	94.4	94.7	93.8	94.6	93.2	94.4
White	93.8	92.7	93.3	93.5	93.4	94.4	93.7	93.9	93.6	94.2
Black	94.6	93.7	94.8	94.2	95.6	95.0	93.7	94.5	93.8	93.2
Other	94.5	96.4	94.1	96.3	95.3	94.2	96.4	97.1	94.7	95.0
†Hispanic						96.2	95.3	95.9	93.9	95.2
†Non-Hispanic						94.4	93.7	94.1	93.8	93.8
Diabetes	91.5	90.6	91.0	92.1	91.8	92.3	91.9	92.4	91.9	91.5
Hypertension	95.0	93.1	93.9	93.9	93.8	95.5	92.7	94.5	93.3	92.5
Glomerulonephritis	95.4	95.3	97.0	96.3	96.1	95.2	95.8	96.4	95.6	96.8
Other	94.8	94.2	94.5	93.4	95.1	95.6	95.0	95.0	95.0	96.1
All	94.1	93.2	93.7	93.9	94.1	94.5	93.9	94.3	93.8	93.9

**Standard Errors**

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	1.0	0.9	1.3	1.2	1.6	0.0	0.8	0.0	0.0	1.2
18-34	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3
35-49	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50-64	0.5	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.4
65+	1.6	1.4	1.3	1.2	1.3	1.1	1.1	0.9	1.0	0.9
Male	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Female	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.4
White	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Black	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Other	1.0	1.0	0.9	0.7	0.8	0.7	0.7	0.4	0.7	0.6
†Hispanic						0.5	0.7	0.5	0.7	0.6
†Non-Hispanic						0.2	0.2	0.2	0.3	0.2
Diabetes	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Hypertension	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.6
Glomerulonephritis	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Other	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.4
All	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	2.0	1.3	1.5	1.5	1.6	0.0	1.2	1.0	0.9	1.2
18-34	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.5
35-49	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5
50-64	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.6
65+	2.2	1.8	2.0	1.7	1.7	1.5	1.6	1.4	1.4	1.3
Male	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Female	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5
White	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Black	0.6	0.7	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6
Other	1.4	1.1	1.4	1.1	1.2	1.3	1.0	0.9	1.1	1.1
†Hispanic						0.8	0.9	0.8	1.0	0.9
†Non-Hispanic						0.3	0.4	0.4	0.4	0.4
Diabetes	0.8	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Hypertension	0.7	0.8	0.7	0.7	0.7	0.6	0.8	0.7	0.8	0.8
Glomerulonephritis	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.5	0.6	0.5
Other	0.6	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
All	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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.

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

**Table G.13 (continued)**  
**Patient Survival Probabilities: First Transplant, Cadaveric, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	94.9	97.2	96.4	95.2	96.3	97.1	96.6	97.9	99.1
18-34	95.0	93.8	94.7	94.8	96.2	95.0	96.0	96.6	95.4
35-49	91.9	91.3	92.5	92.4	93.2	93.4	93.8	93.8	93.6
50-64	87.8	85.1	86.3	86.8	88.3	88.1	88.2	88.2	88.2
65+	78.8	83.1	78.4	81.1	79.1	83.1	81.0	81.5	81.0
Male	90.6	89.3	90.4	89.9	90.9	91.2	91.1	90.4	91.0
Female	91.1	90.3	90.2	91.4	92.0	91.1	91.3	92.0	90.3
White	90.6	89.3	89.8	89.9	90.6	90.9	90.8	90.9	90.9
Black	91.3	90.1	91.4	91.1	92.6	91.5	91.4	90.5	89.8
Other	92.1	92.4	92.3	93.3	92.5	92.4	93.3	94.2	92.2
†Hispanic						94.1	92.2	94.5	92.0
†Non-Hispanic						90.8	91.0	90.6	90.5
Diabetes	86.4	85.2	86.6	87.4	87.9	87.9	87.8	87.7	87.0
Hypertension	91.8	88.8	90.1	90.9	90.5	91.8	90.4	91.2	90.1
Glomerulonephritis	93.7	93.3	95.3	94.3	94.1	92.9	94.0	94.5	93.8
Other	92.1	91.8	91.2	89.6	93.3	93.3	93.0	92.3	93.0
All	90.8	89.7	90.3	90.5	91.3	91.1	91.2	91.0	90.7

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	93.9	97.2	96.4	95.2	96.3	96.2	95.8	97.9
18-34	92.7	92.0	92.2	92.8	94.8	92.6	93.9	95.3
35-49	88.9	88.0	89.1	89.7	90.1	90.7	91.2	91.2
50-64	82.6	80.6	81.4	82.1	84.0	84.1	84.0	83.1
65+	72.5	76.0	71.8	74.6	72.0	77.0	73.9	74.3
Male	86.4	85.7	86.6	86.5	87.4	87.8	87.7	86.3
Female	88.5	87.0	86.5	88.2	88.8	87.7	87.8	89.0
White	87.3	85.8	86.0	87.1	87.3	87.6	87.4	86.9
Black	86.8	86.5	87.4	86.7	88.6	87.8	87.6	87.3
Other	88.6	89.6	89.3	90.0	91.2	89.1	91.3	91.2
†Hispanic						91.8	89.8	92.2
†Non-Hispanic						87.3	87.5	86.7
Diabetes	82.3	79.8	81.0	83.9	83.8	83.6	82.7	82.1
Hypertension	87.8	84.9	86.8	87.0	86.4	87.4	87.5	88.2
Glomerulonephritis	90.9	91.6	92.4	91.1	91.7	90.7	91.6	90.7
Other	88.8	89.2	88.1	86.9	90.5	90.8	90.0	90.5
All	87.2	86.2	86.5	87.1	87.9	87.8	87.7	87.4

**Standard Errors**

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	2.2	1.6	1.8	1.8	1.8	1.6	1.6	1.5	0.9
18-34	0.6	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.7
35-49	0.6	0.7	0.6	0.6	0.6	0.6	0.5	0.6	0.6
50-64	0.9	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8
65+	2.5	2.1	2.3	2.0	2.0	1.8	1.8	1.6	1.7
Male	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Female	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7
White	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Black	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.8
Other	1.7	1.6	1.6	1.4	1.5	1.5	1.3	1.2	1.3
†Hispanic						1.0	1.1	0.9	1.1
†Non-Hispanic						0.4	0.4	0.4	0.4
Diabetes	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.9
Hypertension	0.9	1.0	0.9	0.8	0.9	0.8	0.9	0.9	0.9
Glomerulonephritis	0.7	0.8	0.6	0.7	0.7	0.8	0.7	0.7	0.7
Other	0.8	0.8	0.8	0.9	0.7	0.7	0.7	0.8	0.7
All	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	2.4	1.6	1.8	1.8	1.8	1.9	1.8	1.5
18-34	0.8	0.8	0.8	0.8	0.7	0.9	0.8	0.7
35-49	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.7
50-64	1.0	1.1	1.0	1.0	0.9	0.9	0.9	0.9
65+	2.7	2.4	2.5	2.3	2.2	2.0	2.0	1.8
Male	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
Female	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7
White	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Black	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8
Other	2.0	1.8	1.9	1.7	1.6	1.7	1.5	1.5
†Hispanic						1.2	1.3	1.1
†Non-Hispanic						0.5	0.5	0.5
Diabetes	1.1	1.2	1.0	1.0	1.0	0.9	1.0	1.0
Hypertension	1.1	1.2	1.1	1.0	1.0	1.0	1.0	1.0
Glomerulonephritis	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.9
Other	0.9	0.9	0.9	1.0	0.8	0.8	0.8	0.8
All	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5

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.

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

**Table G.13 (continued)**  
**Patient Survival Probabilities: First Transplant, Cadaveric, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	91.8	92.5	91.8	92.5	96.3	93.3
18-34	88.2	86.4	86.9	88.4	89.8	87.8
35-49	80.2	79.4	82.4	82.1	83.0	83.7
50-64	70.5	69.7	70.4	71.3	72.5	74.1
65+	57.9	60.1	55.3	58.5	57.8	62.7
Male	76.7	76.4	78.0	77.8	78.8	79.5
Female	81.1	78.7	78.7	80.4	80.7	79.8
White	78.5	76.6	78.0	79.4	79.0	79.7
Black	77.8	77.5	77.7	77.0	79.5	78.5
Other	79.9	83.8	84.2	80.3	85.8	84.5
†Hispanic						86.1
†Non-Hispanic						78.9
Diabetes	70.7	66.9	70.1	71.7	73.5	72.5
Hypertension	77.9	76.0	77.0	78.2	76.5	78.4
Glomerulonephritis	84.3	84.5	86.1	85.1	84.2	85.7
Other	82.1	82.1	82.4	81.3	84.5	84.4
All	78.4	77.3	78.3	78.8	79.5	79.6

<b>TEN-YEAR</b>	<b>1991</b>
0-17	83.7
18-34	75.1
35-49	55.4
50-64	40.9
65+	23.1
Male	53.1
Female	58.0
White	54.5
Black	54.9
Other	61.8
†Hispanic	
†Non-Hispanic	
Diabetes	38.8
Hypertension	52.8
Glomerulonephritis	67.3
Other	60.4
All	55.0

**Standard Errors**

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	2.8	2.6	2.6	2.2	1.8	2.4
18-34	0.9	1.0	1.0	1.0	0.9	1.1
35-49	0.9	1.0	0.9	0.9	0.8	0.8
50-64	1.2	1.3	1.2	1.1	1.1	1.0
65+	3.0	2.8	2.7	2.6	2.4	2.3
Male	0.8	0.8	0.7	0.7	0.7	0.7
Female	0.9	1.0	0.9	0.9	0.9	0.9
White	0.7	0.8	0.7	0.7	0.7	0.7
Black	1.2	1.2	1.1	1.1	1.0	1.0
Other	2.5	2.2	2.2	2.3	2.0	2.0
†Hispanic						1.5
†Non-Hispanic						0.6
Diabetes	1.4	1.4	1.2	1.2	1.2	1.1
Hypertension	1.4	1.4	1.3	1.2	1.3	1.2
Glomerulonephritis	1.1	1.1	1.0	1.0	1.0	1.0
Other	1.1	1.1	1.0	1.1	1.0	1.0
All	0.6	0.6	0.6	0.6	0.6	0.6

<b>TEN-YEAR</b>	<b>1991</b>
0-17	3.7
18-34	1.3
35-49	1.2
50-64	1.3
65+	2.5
Male	0.9
Female	1.2
White	0.9
Black	1.4
Other	3.0
†Hispanic	
†Non-Hispanic	
Diabetes	1.5
Hypertension	1.7
Glomerulonephritis	1.4
Other	1.4
All	0.7

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.

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

**Table G.15**  
**Patient Survival Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	99.2	96.7	100.0	100.0	97.6	99.1	100.0	99.1	100.0	100.0
18-34	98.7	99.1	98.6	99.1	99.2	99.6	99.6	99.6	99.8	100.0
35-49	99.5	99.3	99.8	99.4	98.8	98.0	98.4	99.0	98.8	99.1
50-64	96.7	99.0	98.5	98.6	97.2	97.1	97.4	98.4	97.9	98.6
65+	90.0	97.6	97.6	100.0	96.0	96.0	95.7	96.5	98.7	95.4
Male	98.5	99.0	99.1	99.3	98.0	98.1	98.6	98.7	98.9	98.6
Female	98.6	98.7	98.9	99.0	98.8	98.4	98.1	98.9	98.8	98.9
White	98.5	99.1	99.1	99.1	98.2	97.9	98.2	98.6	98.9	98.8
Black	98.4	97.4	98.4	99.2	98.9	99.0	98.5	99.7	98.8	98.2
Other	100.0	100.0	100.0	100.0	97.7	100.0	100.0	99.1	98.4	99.2
†Hispanic						97.4	99.2	98.5	99.2	99.7
†Non-Hispanic						98.4	98.3	98.9	98.8	98.6
Diabetes	97.2	98.5	98.4	97.7	96.8	98.1	96.8	97.1	98.2	98.0
Hypertension	99.3	98.9	99.5	99.6	98.4	98.9	98.4	99.2	98.6	98.3
Glomerulonephritis	99.3	99.2	99.7	99.5	99.6	99.0	99.4	99.6	98.9	98.8
Other	98.8	98.9	98.8	99.5	98.5	97.6	98.5	99.4	99.4	99.5
All	98.5	98.9	99.0	99.2	98.3	98.2	98.4	98.8	98.9	98.7

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	97.5	95.8	100.0	98.1	96.0	97.4	100.0	99.1	100.0	98.8
18-34	97.6	97.6	97.4	98.7	98.4	99.1	98.4	99.0	99.3	99.1
35-49	97.6	97.2	97.9	96.9	97.7	97.1	97.1	98.0	97.6	98.3
50-64	92.9	95.6	94.9	94.9	93.5	94.6	94.9	95.3	95.5	96.2
65+	90.0	85.4	92.7	100.0	92.0	94.0	92.3	89.4	97.4	92.5
Male	96.5	96.9	97.0	96.8	96.1	97.0	97.3	97.3	97.4	96.8
Female	97.0	96.2	97.3	98.2	97.3	96.9	96.1	96.4	97.7	97.6
White	96.8	96.5	97.2	97.5	96.3	96.9	96.6	97.2	97.4	97.4
Black	95.6	95.8	96.4	97.4	97.5	96.5	96.4	95.5	97.7	95.9
Other	100.0	100.0	98.5	96.3	97.7	98.9	100.0	98.1	98.4	97.6
†Hispanic						96.5	98.8	98.1	98.7	97.3
†Non-Hispanic						97.0	96.5	96.7	97.3	97.1
Diabetes	94.7	95.5	95.1	95.8	94.5	96.5	93.9	93.9	95.2	96.1
Hypertension	96.0	96.6	97.7	96.7	96.4	96.7	96.5	96.9	97.8	95.0
Glomerulonephritis	97.4	97.6	98.6	98.5	98.2	98.3	98.7	99.1	97.8	97.5
Other	98.3	96.5	97.1	98.3	96.7	96.8	97.6	97.7	98.7	98.9
All	96.7	96.6	97.1	97.4	96.6	97.0	96.8	96.9	97.5	97.2

**Standard Errors**

90-DAY	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	0.8	1.6	0.0	0.0	1.4	0.9	0.0	0.9	0.0	0.0
18-34	0.5	0.4	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.0
35-49	0.4	0.4	0.2	0.4	0.5	0.6	0.5	0.4	0.5	0.4
50-64	1.3	0.7	0.7	0.7	0.9	0.8	0.8	0.6	0.6	0.5
65+	6.5	2.4	2.4	0.0	2.2	1.9	1.9	1.5	0.9	1.3
Male	0.5	0.4	0.3	0.3	0.5	0.4	0.4	0.4	0.3	0.3
Female	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4
White	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
Black	0.9	1.2	0.8	0.5	0.6	0.5	0.7	0.3	0.6	0.7
Other	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.9	1.1	0.8
†Hispanic						1.0	0.6	0.8	0.6	0.3
†Non-Hispanic						0.3	0.3	0.3	0.3	0.3
Diabetes	1.0	0.7	0.7	0.8	0.9	0.7	0.9	0.8	0.7	0.6
Hypertension	0.7	0.8	0.5	0.4	0.8	0.6	0.8	0.5	0.7	0.7
Glomerulonephritis	0.5	0.5	0.3	0.4	0.3	0.5	0.3	0.3	0.5	0.5
Other	0.6	0.5	0.5	0.3	0.6	0.7	0.5	0.3	0.4	0.3
All	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3

ONE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-17	1.4	1.8	0.0	1.3	1.7	1.5	0.0	0.9	0.0	1.2
18-34	0.7	0.7	0.7	0.5	0.6	0.4	0.6	0.5	0.4	0.5
35-49	0.8	0.8	0.7	0.8	0.6	0.7	0.7	0.6	0.7	0.5
50-64	1.9	1.4	1.3	1.3	1.3	1.1	1.0	1.0	0.9	0.8
65+	6.5	5.4	4.0	0.0	3.1	2.4	2.5	2.6	1.3	1.7
Male	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
Female	0.8	0.8	0.7	0.5	0.6	0.6	0.7	0.7	0.6	0.5
White	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Black	1.5	1.5	1.2	1.0	0.9	1.0	1.0	1.2	0.8	1.1
Other	0.0	0.0	1.5	2.1	1.6	1.1	0.0	1.3	1.1	1.4
†Hispanic						1.2	0.7	0.8	0.7	0.9
†Non-Hispanic						0.4	0.5	0.5	0.4	0.4
Diabetes	1.3	1.3	1.2	1.1	1.2	0.9	1.2	1.2	1.1	0.9
Hypertension	1.6	1.4	1.0	1.1	1.2	1.1	1.1	1.1	0.9	1.2
Glomerulonephritis	0.9	0.8	0.6	0.6	0.6	0.6	0.5	0.4	0.7	0.7
Other	0.7	0.9	0.8	0.6	0.8	0.8	0.7	0.7	0.5	0.4
All	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4

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.

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

**Table G.15 (continued)**  
**Patient Survival Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	97.5	95.8	99.1	98.1	95.2	95.7	99.1	98.2	98.8
18-34	96.3	95.9	96.8	97.7	97.2	97.7	97.6	97.7	98.6
35-49	95.0	95.1	97.0	94.9	96.5	95.1	96.1	96.6	95.8
50-64	90.2	94.7	92.7	91.0	90.1	91.6	92.9	93.0	93.4
65+	85.0	85.4	87.8	91.5	89.3	91.0	88.9	89.4	92.9
Male	94.5	95.5	95.9	95.4	94.3	95.0	95.8	95.5	95.3
Female	95.3	94.4	96.0	95.2	95.6	94.8	94.9	95.5	96.4
White	94.8	95.3	96.1	96.1	94.8	94.9	95.1	95.6	95.4
Black	93.4	92.6	94.8	92.9	95.3	93.9	94.9	93.9	96.0
Other	100.0	98.4	98.5	92.6	94.3	97.9	100.0	98.1	98.4
†Hispanic						95.7	97.5	98.1	97.9
†Non-Hispanic						94.8	95.1	95.0	95.4
Diabetes	90.5	91.8	93.8	93.9	91.4	93.6	91.6	91.7	92.9
Hypertension	94.7	94.9	96.3	94.6	94.4	93.4	95.3	94.5	97.1
Glomerulonephritis	96.1	97.3	98.1	96.5	97.1	97.1	98.3	98.5	96.1
Other	97.7	95.2	95.9	96.0	95.4	95.4	95.9	96.6	96.6
All	94.8	95.1	96.0	95.3	94.9	94.9	95.4	95.5	95.7

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	97.5	94.2	98.3	98.1	94.4	94.0	97.2	98.2
18-34	94.3	93.7	95.2	96.0	96.1	96.4	96.6	96.1
35-49	92.4	93.7	93.4	93.0	95.2	93.7	93.5	94.6
50-64	85.2	91.7	86.1	84.8	86.7	89.2	89.8	89.9
65+	85.0	80.5	80.5	83.0	82.7	88.0	84.6	83.8
Male	91.9	93.3	92.2	92.8	92.2	92.8	93.8	92.9
Female	93.1	92.5	93.2	92.4	94.1	93.6	92.1	93.4
White	92.7	93.5	92.4	93.7	92.9	93.2	92.5	93.0
Black	89.6	88.9	92.4	89.8	93.5	92.0	93.5	92.3
Other	98.0	96.7	97.0	86.4	93.1	95.7	98.4	96.2
†Hispanic						93.9	95.5	97.0
†Non-Hispanic						93.0	92.7	92.4
Diabetes	84.9	88.4	88.6	90.0	87.6	89.5	86.8	88.1
Hypertension	93.3	92.6	91.2	91.7	93.2	91.2	92.6	92.2
Glomerulonephritis	94.8	95.7	95.8	94.3	96.0	96.5	97.1	96.9
Other	96.8	93.9	93.3	94.3	93.7	94.4	94.5	94.6
All	92.4	93.0	92.6	92.6	93.0	93.1	93.1	93.1

**Standard Errors**

TWO-YEAR	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-17	1.4	1.8	0.9	1.3	1.9	1.9	0.9	1.2	1.2
18-34	0.9	0.9	0.8	0.6	0.7	0.6	0.7	0.7	0.5
35-49	1.1	1.0	0.8	1.0	0.8	0.9	0.8	0.8	0.9
50-64	2.2	1.6	1.6	1.7	1.6	1.4	1.2	1.2	1.1
65+	7.8	5.4	5.0	4.0	3.5	2.8	2.9	2.6	2.1
Male	0.9	0.8	0.7	0.7	0.8	0.7	0.6	0.7	0.7
Female	0.9	1.0	0.8	0.9	0.8	0.8	0.8	0.8	0.7
White	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Black	1.8	1.9	1.4	1.6	1.3	1.3	1.2	1.4	1.1
Other	0.0	1.6	1.5	2.9	2.5	1.5	0.0	1.3	1.1
†Hispanic						1.3	1.0	0.8	0.9
†Non-Hispanic						0.6	0.6	0.6	0.6
Diabetes	1.7	1.7	1.4	1.4	1.5	1.3	1.4	1.4	1.3
Hypertension	1.8	1.7	1.3	1.4	1.5	1.5	1.3	1.4	1.0
Glomerulonephritis	1.1	0.8	0.7	0.9	0.8	0.8	0.6	0.6	0.9
Other	0.8	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8
All	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	1.4	2.1	1.2	1.3	2.0	2.2	1.6	1.2
18-34	1.1	1.1	1.0	0.8	0.9	0.8	0.8	0.9
35-49	1.4	1.2	1.2	1.2	0.9	1.0	1.0	1.0
50-64	2.6	1.9	2.1	2.2	1.8	1.5	1.4	1.4
65+	7.8	6.1	6.1	5.4	4.3	3.2	3.3	3.1
Male	1.1	0.9	0.9	0.9	0.9	0.8	0.8	0.8
Female	1.1	1.2	1.1	1.1	0.9	0.9	1.0	0.9
White	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7
Black	2.2	2.3	1.7	1.8	1.5	1.5	1.3	1.5
Other	2.0	2.3	2.1	3.8	2.7	2.1	1.1	1.8
†Hispanic						1.6	1.3	1.1
†Non-Hispanic						0.7	0.7	0.7
Diabetes	2.1	1.9	1.8	1.7	1.8	1.6	1.7	1.6
Hypertension	2.0	2.0	1.9	1.8	1.6	1.7	1.6	1.7
Glomerulonephritis	1.3	1.1	1.0	1.2	0.9	0.8	0.7	0.8
Other	0.9	1.2	1.2	1.1	1.1	1.0	1.0	1.0
All	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6

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.

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

**Table G.15 (continued)**  
**Patient Survival Probabilities: First Transplant, Living Donor, Unadjusted**

by age, gender, race, ethnicity, & primary diagnosis

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	95.9	94.2	94.8	97.2	92.1	93.1
18-34	91.9	90.7	92.2	93.2	92.7	93.8
35-49	86.3	88.1	87.9	87.3	90.5	88.4
50-64	77.0	83.5	76.2	76.5	78.8	82.1
65+	80.0	70.7	63.4	70.2	73.3	80.0
Male	87.2	89.1	86.9	87.2	87.3	88.0
Female	88.9	87.1	87.1	88.1	88.7	89.0
White	88.5	88.8	87.0	88.9	87.6	88.5
Black	84.2	84.1	86.3	83.8	89.5	87.5
Other	91.8	93.4	89.4	81.5	87.4	89.4
†Hispanic						90.0
†Non-Hispanic						88.1
Diabetes	76.1	78.4	77.8	79.6	79.9	82.6
Hypertension	87.3	89.2	86.6	85.1	86.0	84.2
Glomerulonephritis	92.5	92.7	93.4	91.8	93.8	92.4
Other	94.5	90.7	88.3	91.2	88.9	92.2
All	87.9	88.3	87.0	87.6	87.9	88.4

<b>TEN-YEAR</b>	<b>1991</b>
0-17	86.0
18-34	81.8
35-49	69.5
50-64	49.2
65+	60.0
Male	72.5
Female	72.9
White	73.7
Black	65.6
Other	79.6
†Hispanic	
†Non-Hispanic	
Diabetes	49.1
Hypertension	73.3
Glomerulonephritis	80.1
Other	85.0
All	72.7

**Standard Errors**

<b>FIVE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-17	1.8	2.1	2.1	1.6	2.4	2.3
18-34	1.3	1.4	1.2	1.1	1.2	1.1
35-49	1.8	1.6	1.6	1.5	1.2	1.4
50-64	3.1	2.6	2.6	2.5	2.2	1.9
65+	8.7	7.0	7.4	6.6	5.1	4.0
Male	1.3	1.1	1.2	1.1	1.1	1.0
Female	1.4	1.5	1.4	1.3	1.2	1.2
White	1.0	1.0	1.0	0.9	0.9	0.9
Black	2.7	2.6	2.2	2.3	1.8	1.9
Other	3.9	3.1	3.8	4.3	3.5	3.2
†Hispanic						2.0
†Non-Hispanic						0.8
Diabetes	2.5	2.5	2.4	2.3	2.1	2.0
Hypertension	2.7	2.3	2.3	2.3	2.2	2.2
Glomerulonephritis	1.5	1.4	1.3	1.4	1.1	1.2
Other	1.2	1.5	1.6	1.4	1.5	1.2
All	1.0	0.9	0.9	0.9	0.8	0.8

<b>TEN-YEAR</b>	<b>1991</b>
0-17	3.1
18-34	1.8
35-49	2.4
50-64	3.7
65+	10.6
Male	1.7
Female	2.0
White	1.4
Black	3.5
Other	5.7
†Hispanic	
†Non-Hispanic	
Diabetes	3.0
Hypertension	3.6
Glomerulonephritis	2.3
Other	1.9
All	1.3

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.

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

**Table G.16**  
**Patient Survival Probabilities: First Transplant, Living Donor, Adjusted**

*adjusted for age, gender, race, & primary diagnosis*

<b>90-DAY</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
0-17	99.0	96.0	100.0	100.0	97.0	98.9	100.0	98.9	100.0	100.0
18-34	98.5	99.0	98.4	98.9	99.0	99.5	99.5	99.5	99.7	100.0
35-49	99.5	99.3	99.8	99.4	98.7	97.9	98.3	98.9	98.7	99.1
50-64	96.8	99.0	98.5	98.6	97.2	97.0	97.3	98.5	98.0	98.6
65+	89.2	97.3	97.5	100.0	96.1	95.8	95.4	96.3	98.7	95.5
Male	97.8	98.5	98.8	99.0	97.4	97.7	98.3	98.6	98.8	98.6
Female	98.1	98.3	98.6	98.7	98.5	98.0	97.8	98.7	98.7	98.8
White	97.9	98.7	98.8	98.7	97.8	97.4	97.8	98.4	98.9	98.8
Black	97.7	96.3	97.9	99.0	98.7	98.9	98.2	99.6	98.6	98.1
Other	100.0	100.0	100.0	100.0	96.8	100.0	100.0	98.9	97.9	99.1
Diabetes	96.7	98.2	98.1	97.4	96.7	98.1	96.9	97.3	98.4	98.3
Hypertension	99.1	98.7	99.5	99.5	98.3	98.9	98.5	99.3	98.7	98.4
Glomerulonephritis	98.9	98.8	99.6	99.2	99.4	98.6	99.2	99.4	98.6	98.5
Other cause	98.0	98.2	98.1	99.3	97.7	96.5	98.0	99.2	99.2	99.4
All	97.9	98.4	98.7	98.9	97.9	97.8	98.0	98.6	98.8	98.7
<b>ONE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
0-17	96.9	95.0	100.0	97.6	95.1	96.7	100.0	98.9	100.0	98.4
18-34	97.3	97.2	97.1	98.4	98.1	98.8	97.9	98.7	99.1	98.8
35-49	97.6	97.0	97.9	96.8	97.6	97.0	96.9	97.8	97.4	98.2
50-64	93.1	95.5	94.8	94.9	93.5	94.6	94.9	95.5	95.6	96.3
65+	89.2	83.8	92.5	100.0	92.2	93.7	91.7	89.0	97.4	92.6
Male	94.9	95.2	95.8	95.5	94.9	96.3	96.6	96.9	97.3	96.8
Female	95.8	95.0	96.5	97.6	96.7	96.1	95.4	95.8	97.4	97.4
White	95.4	95.1	96.2	96.5	95.3	96.2	95.8	96.8	97.3	97.4
Black	93.9	94.2	95.3	96.5	96.9	95.8	95.8	94.6	97.3	95.6
Other	100.0	100.0	98.1	95.7	96.8	98.6	100.0	97.8	97.9	97.3
Diabetes	93.8	94.7	94.4	95.2	94.3	96.4	94.0	94.3	95.7	96.6
Hypertension	94.7	96.2	97.4	96.1	96.1	96.8	96.7	97.0	98.0	95.6
Glomerulonephritis	95.8	96.4	98.0	97.8	97.6	97.7	98.2	98.8	97.3	96.9
Other cause	97.0	94.4	95.6	97.4	95.1	95.3	96.7	97.0	98.3	98.7
All	95.3	95.1	96.1	96.4	95.7	96.2	96.1	96.4	97.3	97.1
<b>TWO-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	
0-17	96.9	95.0	99.0	97.6	94.1	94.5	98.8	97.8	98.7	
18-34	95.9	95.3	96.4	97.3	96.7	97.2	96.9	97.1	98.2	
35-49	95.0	94.8	96.9	94.7	96.3	94.9	95.7	96.3	95.4	
50-64	90.5	94.5	92.6	91.0	90.1	91.6	92.9	93.3	93.6	
65+	84.1	84.0	87.5	90.6	89.5	90.5	88.0	89.0	92.9	
Male	92.2	93.2	94.3	93.5	92.7	93.8	94.8	94.9	94.9	
Female	93.4	92.9	94.9	93.8	94.8	93.6	94.0	94.7	95.9	
White	92.7	93.5	94.7	94.6	93.4	93.7	94.1	95.2	95.2	
Black	90.9	89.9	93.2	90.5	94.3	92.8	94.0	92.6	95.3	
Other	100.0	97.2	98.1	91.3	92.1	97.2	100.0	97.8	97.9	
Diabetes	89.0	90.4	93.0	93.0	91.1	93.4	91.7	92.2	93.6	
Hypertension	92.9	94.3	95.9	93.7	94.0	93.6	95.6	94.8	97.3	
Glomerulonephritis	93.8	95.9	97.2	94.8	96.0	96.1	97.6	97.9	95.1	
Other cause	96.0	92.3	93.8	93.8	93.2	93.3	94.4	95.5	95.6	
All	92.7	93.0	94.5	93.6	93.5	93.7	94.4	94.8	95.3	

**Standard Errors**

<b>90-DAY</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
0-17	0.9	1.9	0.0	0.0	1.4	1.0	0.0	0.9	0.0	0.0
18-34	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.3	0.0
35-49	0.3	0.4	0.2	0.3	0.4	0.6	0.5	0.5	0.5	0.4
50-64	1.2	0.6	0.6	0.7	0.8	0.8	0.7	0.6	0.6	0.4
65+	6.4	2.7	2.3	0.0	2.3	2.0	2.1	1.3	0.7	1.3
Male	0.5	0.4	0.4	0.3	0.5	0.5	0.4	0.3	0.3	0.3
Female	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.3	0.4	0.3
White	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.2
Black	1.1	1.4	0.8	0.6	0.6	0.5	0.7	0.3	0.5	0.7
Other	0.0	0.0	0.0	0.0	2.0	0.0	0.1	0.9	1.2	0.7
Diabetes	1.0	0.8	0.6	0.9	0.9	0.7	0.8	0.7	0.5	0.5
Hypertension	0.7	0.7	0.4	0.4	0.7	0.5	0.5	0.4	0.5	0.5
Glomerulonephritis	0.6	0.5	0.3	0.4	0.4	0.5	0.3	0.4	0.5	0.5
Other cause	0.7	0.7	0.6	0.4	0.7	0.8	0.6	0.3	0.4	0.3
All	0.4	0.3	0.2	0.3	0.3	0.4	0.3	0.2	0.2	0.2
<b>ONE-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
0-17	1.6	2.2	0.0	1.6	1.9	1.6	0.0	0.9	1.2	1.1
18-34	0.7	0.8	0.7	0.6	0.6	0.5	0.6	0.6	0.4	0.5
35-49	0.7	0.8	0.6	0.8	0.6	0.7	0.7	0.7	0.6	0.6
50-64	1.7	1.4	1.1	1.2	1.2	1.0	0.9	0.9	0.9	0.7
65+	6.4	5.8	3.8	0.0	3.0	2.4	2.6	2.6	1.2	1.8
Male	0.9	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
Female	0.9	0.8	0.7	0.6	0.6	0.6	0.7	0.7	0.5	0.4
White	0.7	0.6	0.5	0.5	0.6	0.5	0.5	0.4	0.4	0.3
Black	1.6	1.9	1.2	1.1	0.9	1.0	1.0	1.3	0.7	1.0
Other	0.0	0.0	1.5	2.0	2.0	1.2	0.1	1.2	1.2	1.2
Diabetes	1.4	1.4	1.2	1.1	1.1	0.9	1.2	1.0	0.8	0.7
Hypertension	1.7	1.2	1.0	1.0	1.0	0.8	0.9	0.9	0.6	0.9
Glomerulonephritis	1.3	0.9	0.8	0.7	0.7	0.6	0.5	0.5	0.7	0.7
Other cause	0.9	1.2	0.9	0.8	1.0	0.9	0.7	0.7	0.6	0.4
All	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3
<b>TWO-YEAR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	
0-17	1.6	2.2	0.9	1.6	2.1	2.1	0.9	1.1	1.1	
18-34	0.9	1.0	0.8	0.7	0.8	0.8	0.8	0.8	0.6	
35-49	1.0	1.2	0.8	0.9	0.8	0.9	0.8	0.9	0.9	
50-64	2.2	1.6	1.4	1.5	1.5	1.2	1.1	1.1	1.1	
65+	7.6	5.7	4.9	4.4	3.4	3.0	3.2	2.7	2.1	
Male	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.6	
Female	1.1	1.0	0.9	1.0	0.7	0.9	0.8	0.7	0.7	
White	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	
Black	2.0	2.4	1.4	2.0	1.3	1.3	1.2	1.5	1.0	
Other	0.0	2.5	1.5	3.1	3.2	1.6	0.1	1.2	1.1	
Diabetes	1.9	1.8	1.4	1.3	1.4	1.1	1.4	1.2	1.0	
Hypertension	1.9	1.5	1.2	1.2	1.3	1.3	1.0	1.1	0.7	
Glomerulonephritis	1.6	1.0	0.9	1.1	0.9	0.8	0.6	0.7	1.0	
Other cause	1.1	1.4	1.2	1.2	1.2	1.0	1.0	0.9	0.8	
All	0.8	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.4	

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

**Table G.16 (continued)**  
**Patient Survival Probabilities: First Transplant, Living Donor, Adjusted**

*adjusted for age, gender, race, & primary diagnosis*

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	96.9	93.0	98.0	97.6	93.1	92.3	96.6	97.9
18-34	93.6	92.8	94.6	95.3	95.4	95.5	95.5	94.9
35-49	92.4	93.3	93.1	92.8	95.0	93.4	93.0	94.1
50-64	85.7	91.4	85.9	84.9	86.7	89.2	89.8	90.3
65+	83.8	78.6	79.7	81.1	82.5	87.3	83.3	83.0
Male	88.5	90.0	89.2	89.9	90.0	91.2	92.4	91.9
Female	90.4	90.4	91.1	90.2	92.9	92.1	90.7	92.2
White	89.8	91.1	89.7	91.4	91.0	91.7	91.0	92.3
Black	85.7	85.0	90.1	86.6	92.1	90.5	92.2	90.7
Other	97.1	94.5	96.0	84.1	90.4	94.4	97.9	95.6
Diabetes	82.7	86.5	87.1	88.7	87.2	89.3	87.0	88.8
Hypertension	91.2	91.8	90.3	90.4	92.7	91.4	93.0	92.6
Glomerulonephritis	91.7	93.5	93.9	91.4	94.5	95.2	96.1	95.7
Other cause	94.5	90.1	89.8	91.2	90.5	91.8	92.6	92.9
All	89.3	90.1	90.0	90.0	91.2	91.6	91.7	92.1

FIVE-YEAR	1991	1992	1993	1994	1995	1996
0-17	94.5	92.8	93.7	96.2	89.8	90.9
18-34	90.9	89.3	91.2	92.0	91.4	92.2
35-49	86.2	87.4	87.4	86.8	89.9	87.9
50-64	77.6	82.8	75.8	76.7	78.8	82.0
65+	77.7	67.7	62.7	67.0	73.0	78.7

Male	81.9	83.8	81.9	82.3	83.7	85.3
Female	84.7	83.5	83.3	84.8	86.5	86.5

White	84.0	84.7	82.5	85.0	84.5	86.0
Black	78.3	78.7	82.4	78.9	87.3	85.2
Other	89.0	89.1	87.1	79.4	83.5	85.7

Diabetes	72.6	74.8	75.0	77.1	79.1	82.2
Hypertension	83.3	88.1	85.1	82.7	85.1	84.5
Glomerulonephritis	88.4	89.3	90.6	88.0	91.6	89.8
Other cause	90.4	84.9	82.3	86.4	83.4	88.6

All	83.1	83.7	82.6	83.4	84.9	85.8
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TEN-YEAR	1991
0-17	67.7
18-34	80.8
35-49	68.6
50-64	51.1
65+	57.2

Male	63.8
Female	66.1

White	66.2
Black	59.5
Other	74.0

Diabetes	44.7
Hypertension	65.2
Glomerulonephritis	74.7
Other cause	74.1

All	64.3
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**Standard Errors**

THREE-YEAR	1991	1992	1993	1994	1995	1996	1997	1998
0-17	1.6	2.6	1.2	1.6	2.2	2.6	1.6	1.1
18-34	1.1	1.2	1.0	1.0	0.9	1.0	1.0	1.1
35-49	1.2	1.3	1.2	1.0	0.9	1.0	1.0	1.1
50-64	2.4	1.9	1.8	2.0	1.7	1.5	1.4	1.3
65+	7.8	6.3	6.1	6.1	4.4	3.3	3.7	3.3
Male	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.8
Female	1.3	1.2	1.1	1.2	0.9	0.9	1.0	0.9
White	1.0	0.9	0.9	0.8	0.7	0.8	0.7	0.7
Black	2.7	2.8	1.7	2.3	1.6	1.5	1.4	1.7
Other	2.3	3.6	1.9	4.3	3.5	2.4	1.3	1.7
Diabetes	2.4	2.1	1.8	1.6	1.6	1.4	1.8	1.5
Hypertension	2.2	1.8	1.9	1.6	1.5	1.4	1.3	1.3
Glomerulonephritis	1.8	1.2	1.3	1.4	1.1	0.9	0.8	0.9
Other cause	1.2	1.4	1.5	1.4	1.5	1.2	1.1	1.0
All	1.0	0.8	0.7	0.8	0.6	0.6	0.6	0.6

FIVE-YEAR	1991	1992	1993	1994	1995	1996
0-17	2.2	2.7	2.2	1.9	2.7	2.8
18-34	1.2	1.4	1.2	1.3	1.2	1.2
35-49	1.7	1.7	1.6	1.4	1.2	1.2
50-64	2.8	2.6	2.4	2.5	2.0	1.8
65+	9.2	7.3	8.0	7.3	5.4	4.0

Male	1.4	1.5	1.5	1.3	1.2	1.0
Female	1.6	1.5	1.6	1.5	1.2	1.2

White	1.2	1.1	1.2	1.1	1.0	0.9
Black	3.2	3.2	2.5	2.6	2.0	1.9
Other	5.0	5.0	4.3	4.8	4.3	4.0

Diabetes	2.9	2.9	2.5	2.4	2.0	2.0
Hypertension	3.1	2.2	2.4	2.2	2.2	1.9
Glomerulonephritis	2.0	1.7	1.6	1.8	1.4	1.3
Other cause	1.8	1.8	2.0	1.8	1.9	1.4

All	1.1	1.0	1.0	0.9	0.9	0.8
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TEN-YEAR	1991
0-17	##
18-34	1.9
35-49	2.3
50-64	3.8
65+	##

Male	1.5
Female	2.0

White	1.3
Black	3.2
Other	11.4

Diabetes	2.6
Hypertension	4.0
Glomerulonephritis	2.5
Other cause	2.2

All	1.2
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Age is calculated on the day of transplant.  
 Patients of unknown age, gender, race, & primary diagnosis are excluded.  
 # Missing patients.