

**Table 11.7**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Recipient Age at Tx	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>&lt;1 Year</b>									
Patients	60	73	64	71	82	72	81	88	87
Deaths	13	13	11	8	15	14	16	20	17
Rate	263.1	207.4	201.4	125.0	210.9	227.7	236.6	275.9	229.6
<b>1-5 Years</b>									
Patients	66	58	82	79	48	73	68	72	75
Deaths	15	5	11	11	6	8	14	7	6
Rate	281.7	92.0	147.7	156.7	140.7	119.2	245.0	104.8	85.2
<b>6-11 Years</b>									
Patients	50	59	42	56	70	54	48	50	59
Deaths	4	4	4	10	7	8	1	3	2
Rate	85.9	71.5	102.2	207.5	108.3	169.3	21.3	61.5	35.0
<b>12-17 Years</b>									
Patients	75	82	84	80	86	90	113	100	103
Deaths	14	6	13	11	6	5	18	4	6
Rate	219.8	77.7	174.1	150.8	73.0	57.9	180.1	41.0	60.0
<b>18-34 Years</b>									
Patients	181	166	190	197	191	206	235	229	224
Deaths	34	27	22	26	25	31	34	31	38
Rate	219.0	185.9	126.6	146.7	143.7	166.3	161.5	146.4	188.5
<b>35-49 Years</b>									
Patients	431	411	452	394	424	389	394	430	429
Deaths	52	59	59	39	46	46	35	49	45
Rate	132.9	159.5	143.4	107.6	117.7	130.1	95.0	125.1	114.6
<b>50-64 Years</b>									
Patients	1,088	1,106	1,050	1,015	955	897	917	938	926
Deaths	191	165	148	142	117	95	116	120	96
Rate	205.6	169.6	159.1	156.7	134.9	115.2	139.7	141.0	112.3

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Recipient Age at Tx	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>65+ Years</b>									
Patients	206	212	207	220	170	179	206	238	240
Deaths	33	37	45	39	21	31	32	31	32
Rate	182.9	199.9	257.4	208.3	137.8	198.4	176.2	144.8	148.0

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Ethnicity/Race	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>White</b>									
Patients	1,681	1,669	1,615	1,586	1,460	1,380	1,442	1,471	1,449
Deaths	269	251	225	211	172	171	170	173	154
Rate	184.1	170.2	156.6	149.2	129.5	136.9	129.6	129.1	115.8
<b>African American</b>									
Patients	315	290	310	301	332	329	362	399	410
Deaths	54	42	51	46	44	40	60	58	65
Rate	196.1	162.2	183.0	170.2	145.2	132.8	187.3	160.4	176.8
<b>Other/Multi-race</b>									
Patients	10	14	9	15	15	19	21	16	15
Deaths	2	2	2	0	4	3	3	5	2
Rate	244.3	162.7	*	0.0	329.4	181.8	158.7	355.9	135.4
<b>Asian</b>									
Patients	45	48	57	53	48	55	72	65	69
Deaths	10	7	6	5	6	10	12	6	6
Rate	273.0	164.6	115.6	100.7	138.7	205.0	191.4	99.4	90.9
<b>Hispanic/Latino</b>									
Patients	106	146	180	157	171	177	165	194	200
Deaths	21	14	29	24	17	14	21	23	15
Rate	239.9	103.8	183.3	172.2	107.2	83.8	141.2	129.6	79.5

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Gender	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>Female</b>									
Patients	564	582	588	586	534	537	569	558	564
Deaths	96	93	92	89	61	80	77	80	72
Rate	196.5	182.6	177.5	172.6	125.5	167.7	150.6	159.4	140.4
<b>Male</b>									
Patients	1,593	1,585	1,583	1,526	1,492	1,423	1,493	1,587	1,579
Deaths	260	223	221	197	182	158	189	185	170
Rate	188.4	157.7	156.2	143.5	134.0	121.0	139.9	127.4	116.9

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Blood Type	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>A</b>									
Patients	925	958	946	942	843	795	854	901	870
Deaths	154	133	128	119	106	101	100	106	85
Rate	191.8	155.7	151.0	140.0	138.7	140.3	128.5	129.3	105.0
<b>AB</b>									
Patients	124	108	125	81	94	93	101	93	104
Deaths	20	11	18	11	10	8	12	8	14
Rate	188.2	110.1	161.5	153.5	115.8	92.4	127.7	93.4	149.5
<b>B</b>									
Patients	267	291	285	273	284	282	290	291	300
Deaths	46	35	53	29	41	35	38	45	36
Rate	198.1	132.3	215.1	113.7	161.8	137.3	146.5	172.8	132.9
<b>O</b>									
Patients	841	810	815	816	805	790	817	860	869
Deaths	136	137	114	127	86	94	116	106	107
Rate	186.9	194.4	156.6	178.5	116.1	130.3	158.7	134.5	135.0

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Residency	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>U.S. Resident</b>									
Patients	2,132	2,147	2,149	2,091	2,007	1,942	2,047	2,122	2,125
Deaths	352	316	311	285	240	233	266	264	242
Rate	190.5	166.0	162.6	152.6	131.3	131.7	144.0	136.7	124.2
<b>Nonresident Alien</b>									
Patients	21	18	21	21	19	18	15	22	18
Deaths	3	0	1	1	3	5	0	1	0
Rate	165.3	0.0	49.5	50.0	175.6	356.3	0.0	47.6	0.0
<b>Unknown</b>									
Patients	4	2	1	-	-	-	-	1	-
Deaths	1	0	1	-	-	-	-	0	-
Rate	*	*	*	-	-	-	-	*	-

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Previous Tx Same Organ	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>No</b>									
Patients	2,083	2,100	2,105	2,046	1,961	1,892	1,974	2,069	2,061
Deaths	335	301	306	266	236	226	248	253	229
Rate	184.9	161.2	163.3	144.9	132.2	131.1	138.6	134.0	120.9
<b>Yes</b>									
Patients	74	67	66	66	65	68	88	76	82
Deaths	21	15	7	20	7	12	18	12	13
Rate	367.4	267.2	117.5	382.4	118.1	204.7	244.2	180.8	179.7

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Life Support Status	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>Not on Life Support</b>									
Patients	778	779	665	652	631	714	796	872	740
Deaths	110	81	75	74	66	69	90	77	71
Rate	160.1	112.9	122.7	125.1	113.6	104.3	122.7	93.8	102.9
<b>On Life Support</b>									
Patients	1,373	1,388	1,506	1,460	1,395	1,246	1,266	1,273	1,403
Deaths	246	235	238	212	177	169	176	188	171
Rate	209.2	194.9	180.0	163.5	140.1	150.7	155.9	166.0	133.9
<b>Unknown</b>									
Patients	6	-	-	-	-	-	-	-	-
Deaths	0	-	-	-	-	-	-	-	-
Rate	*	-	-	-	-	-	-	-	-

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Hospitalized at Tx	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>Not Hospitalized</b>									
Patients	848	950	935	927	964	974	1,103	1,173	1,047
Deaths	119	101	104	115	106	106	115	120	98
Rate	158.4	115.8	121.2	137.9	119.8	118.6	112.4	110.2	100.0
<b>Hospitalized</b>									
Patients	476	449	484	437	365	373	336	324	360
Deaths	75	64	62	62	38	49	38	37	31
Rate	181.4	158.9	142.2	157.7	112.7	145.8	123.8	124.2	91.9
<b>In Intensive Care</b>									
Patients	828	768	752	748	697	613	623	648	736
Deaths	162	151	147	109	99	83	113	108	113
Rate	231.7	232.9	230.2	165.0	159.0	150.1	212.1	190.5	173.9
<b>Unknown</b>									
Patients	5	-	-	-	-	-	-	-	-
Deaths	0	-	-	-	-	-	-	-	-
Rate	*	-	-	-	-	-	-	-	-

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Primary Diagnosis	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>Coronary Artery Disease</b>									
Patients	957	973	917	904	851	755	800	789	769
Deaths	162	152	138	120	116	96	105	103	93
Rate	197.0	177.6	170.9	148.1	152.1	140.8	145.6	144.5	133.2
<b>Cardiomyopathy</b>									
Patients	1,009	970	1,016	950	952	959	1,001	1,092	1,142
Deaths	151	117	126	120	93	91	103	121	105
Rate	169.6	132.7	135.9	139.6	105.0	101.9	110.9	120.0	98.2
<b>Congenital Heart Disease</b>									
Patients	134	154	174	183	172	188	194	193	171
Deaths	33	30	38	32	29	42	50	34	35
Rate	308.0	230.6	267.4	206.8	193.3	267.2	331.0	203.8	241.1
<b>Valvular Heart Disease</b>									
Patients	36	56	54	54	41	43	43	45	32
Deaths	8	14	10	9	3	8	5	4	5
Rate	275.0	317.0	213.1	193.5	77.4	216.5	125.4	93.7	178.2
<b>Other</b>									
Patients	13	5	7	14	5	10	17	23	27
Deaths	2	0	1	3	2	1	2	3	4
Rate	172.2	*	*	256.7	*	110.8	127.0	146.0	164.0

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Waiting List Status at Transplant	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>1</b>									
Patients	80	-	-	-	-	-	-	-	-
Deaths	16	-	-	-	-	-	-	-	-
Rate	239.3	-	-	-	-	-	-	-	-
<b>1A</b>									
Patients	724	863	836	843	810	804	826	897	1,080
Deaths	140	156	162	133	113	103	137	122	132
Rate	230.9	211.4	228.5	180.3	155.6	141.5	190.5	151.6	134.5
<b>1B</b>									
Patients	783	740	792	733	717	631	711	814	764
Deaths	124	96	89	98	85	81	68	101	79
Rate	180.1	143.2	122.8	148.8	129.7	142.0	103.1	135.7	111.1
<b>2</b>									
Patients	560	562	541	534	498	523	525	433	299
Deaths	74	64	62	53	45	53	61	41	31
Rate	148.5	124.7	124.7	107.8	97.4	109.6	126.2	101.2	112.7
<b>Other</b>									
Patients	10	2	2	2	1	2	-	1	-
Deaths	2	0	0	2	0	1	-	1	-
Rate	225.7	*	*	*	*	*	-	*	-

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Type of Procedure	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>Heterotopic</b>									
Patients	21	6	2	4	2	1	3	-	3
Deaths	2	1	0	0	2	0	1	-	1
Rate	104.7	*	*	*	*	*	*	-	*
<b>Othotopic</b>									
Patients	2,124	2,159	2,169	2,108	2,024	1,959	2,059	2,145	2,140
Deaths	352	314	313	286	241	238	265	265	241
Rate	191.4	163.8	162.1	151.8	130.7	133.6	142.4	135.6	122.7
<b>Unknown</b>									
Patients	12	2	-	-	-	-	-	-	-
Deaths	2	1	-	-	-	-	-	-	-
Rate	193.0	*	-	-	-	-	-	-	-

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Donor Age	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>&lt;1 Year</b>									
Patients	52	60	55	61	62	61	63	79	77
Deaths	12	12	10	9	11	11	13	17	16
Rate	285.6	240.5	211.5	168.2	205.6	210.2	252.3	263.9	247.6
<b>1-5 Years</b>									
Patients	67	76	75	85	64	70	74	70	75
Deaths	13	8	11	9	10	9	15	10	7
Rate	226.4	113.3	164.7	117.0	177.6	141.7	240.7	156.5	100.2
<b>6-11 Years</b>									
Patients	63	61	68	51	57	60	52	50	53
Deaths	10	7	8	7	5	10	6	2	2
Rate	186.3	125.0	128.6	155.6	94.2	191.4	126.0	41.3	39.2
<b>12-17 Years</b>									
Patients	290	286	260	236	258	235	221	235	234
Deaths	40	37	31	25	26	26	25	20	18
Rate	154.3	145.6	132.6	114.7	108.7	120.3	123.5	89.2	80.8
<b>18-34 Years</b>									
Patients	860	838	908	941	906	873	975	1,011	1,032
Deaths	120	104	110	106	99	91	109	102	103
Rate	157.1	136.7	133.2	123.9	118.9	113.3	121.7	108.8	107.5
<b>35-49 Years</b>									
Patients	625	633	614	540	511	492	517	536	525
Deaths	115	99	108	93	60	66	75	81	75
Rate	217.5	178.2	202.2	197.4	128.9	148.5	162.7	170.3	160.1
<b>50-64 Years</b>									
Patients	194	208	184	197	163	165	160	163	145
Deaths	43	47	34	37	31	25	23	33	21
Rate	268.6	272.1	216.6	221.7	221.6	170.2	161.8	237.4	161.3

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Donor Age	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>65+ Years</b>									
Patients	6	5	7	1	5	4	-	1	2
Deaths	3	2	1	0	1	0	-	0	0
Rate	*	*	*	*	*	*	-	*	*

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Cold Ischemic Time	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>0-90 Minutes</b>									
Patients	110	92	102	75	87	66	74	68	68
Deaths	15	13	14	10	12	5	6	6	8
Rate	153.3	157.7	150.9	148.9	152.5	80.0	85.1	94.6	127.8
<b>91-180 Minutes</b>									
Patients	819	763	791	752	703	688	728	716	713
Deaths	113	88	81	86	78	70	72	69	79
Rate	154.7	126.2	110.3	125.1	121.7	109.9	106.1	103.3	120.0
<b>181-270 Minutes</b>									
Patients	754	818	889	861	888	922	911	1,002	1,039
Deaths	118	121	138	101	93	121	112	139	99
Rate	179.1	166.5	176.7	128.9	113.3	145.5	135.4	154.1	102.3
<b>271-360 Minutes</b>									
Patients	133	153	163	169	158	157	184	208	205
Deaths	32	38	39	37	27	20	31	33	33
Rate	295.5	313.3	298.1	265.5	192.7	143.0	195.3	181.1	183.0
<b>361-480 Minutes</b>									
Patients	15	29	22	20	15	14	33	25	25
Deaths	5	6	2	3	5	3	11	3	5
Rate	493.8	249.3	99.7	174.3	476.8	249.5	459.0	130.9	246.5
<b>481+ Minutes</b>									
Patients	4	4	4	1	4	3	3	7	7
Deaths	2	0	0	0	1	1	0	1	2
Rate	*	*	*	*	*	*	*	*	*
<b>Unknown</b>									
Patients	322	308	200	234	171	110	129	119	86
Deaths	71	50	39	49	27	18	34	14	16
Rate	272.2	186.9	229.4	254.1	179.5	184.3	336.6	128.1	219.9

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Transplant Center State	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Total</b>									
Patients	2,157	2,167	2,171	2,112	2,026	1,960	2,062	2,145	2,143
Deaths	356	316	313	286	243	238	266	265	242
Rate	190.5	164.3	161.9	151.5	131.7	133.5	142.8	135.6	123.0
<b>Alabama</b>									
Patients	29	37	24	21	22	12	23	28	20
Deaths	4	3	4	5	2	2	6	5	2
Rate	157.9	84.3	192.5	306.3	96.4	177.3	326.5	199.7	107.2
<b>Arkansas</b>									
Patients	19	12	19	17	23	32	31	25	24
Deaths	5	3	7	4	3	3	5	5	0
Rate	323.5	306.5	490.8	287.6	148.9	101.2	178.7	232.2	0.0
<b>Arizona</b>									
Patients	28	27	27	28	23	35	45	55	57
Deaths	4	4	6	1	3	5	9	9	3
Rate	166.2	161.7	268.5	37.0	141.9	163.5	227.5	182.6	55.1
<b>California</b>									
Patients	232	258	230	282	271	261	274	249	269
Deaths	31	31	33	27	20	27	28	27	34
Rate	149.6	131.8	158.1	103.1	78.4	110.9	110.0	115.4	138.3
<b>Colorado</b>									
Patients	41	37	39	40	31	37	30	27	34
Deaths	7	5	5	8	5	5	4	3	2
Rate	193.1	155.3	144.7	235.4	177.0	147.8	150.2	123.7	61.9
<b>Connecticut</b>									
Patients	28	23	25	19	12	13	23	14	18
Deaths	9	5	5	5	6	2	6	4	2
Rate	418.3	253.9	238.9	340.9	841.8	178.5	334.9	396.5	117.5
<b>District of Columbia</b>									
Patients	10	9	5	5	7	12	6	7	5
Deaths	4	1	0	1	0	3	0	2	1
Rate	650.1	*	*	*	*	306.1	*	*	*

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Transplant Center State	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Delaware</b>									
Patients	-	-	-	-	-	-	2	-	2
Deaths	-	-	-	-	-	-	1	-	0
Rate	-	-	-	-	-	-	*	-	*
<b>Florida</b>									
Patients	117	102	136	114	128	127	133	135	153
Deaths	22	16	17	15	10	13	22	15	19
Rate	223.1	176.1	139.2	144.4	82.6	110.3	186.5	120.1	135.5
<b>Georgia</b>									
Patients	49	44	48	37	39	40	40	45	49
Deaths	9	5	7	4	3	2	6	7	7
Rate	212.5	125.7	160.8	117.0	81.8	52.6	166.0	174.0	160.1
<b>Hawaii</b>									
Patients	2	2	2	2	-	2	-	2	-
Deaths	1	1	0	0	-	0	-	0	-
Rate	*	*	*	*	-	*	-	*	-
<b>Iowa</b>									
Patients	16	6	13	10	13	11	8	7	12
Deaths	2	0	0	1	2	2	0	0	0
Rate	138.4	*	0.0	104.0	169.1	220.5	*	*	0.0
<b>Illinois</b>									
Patients	71	69	66	71	68	58	61	84	80
Deaths	16	8	9	18	11	5	7	7	6
Rate	279.0	128.9	153.8	315.0	181.4	91.6	126.9	89.1	80.2
<b>Indiana</b>									
Patients	37	44	56	30	44	41	36	34	34
Deaths	8	12	8	7	8	11	3	5	6
Rate	270.6	354.6	159.0	277.5	211.8	338.5	90.4	168.8	197.9
<b>Kansas</b>									
Patients	10	7	1	2	5	7	7	8	7
Deaths	1	1	1	1	0	1	0	0	2
Rate	111.1	*	*	*	*	*	*	*	*

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Transplant Center State	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Kentucky</b>									
Patients	27	35	27	35	26	24	31	20	16
Deaths	6	12	4	5	3	3	6	2	3
Rate	274.3	464.9	173.3	162.0	125.4	141.7	217.8	106.8	229.8
<b>Louisiana</b>									
Patients	53	50	47	61	39	24	22	19	22
Deaths	11	10	8	5	5	5	2	5	3
Rate	252.0	240.8	196.5	89.0	143.1	242.3	98.8	323.5	149.5
<b>Massachusetts</b>									
Patients	59	57	62	53	40	62	47	61	68
Deaths	10	9	8	3	3	7	0	7	9
Rate	194.6	184.4	146.2	59.3	80.3	122.9	0.0	123.4	147.6
<b>Maryland</b>									
Patients	27	22	21	32	19	25	29	42	50
Deaths	6	4	9	1	5	4	5	5	9
Rate	267.7	218.0	694.5	32.2	337.0	186.2	202.7	133.1	206.7
<b>Michigan</b>									
Patients	56	71	68	50	51	49	53	56	49
Deaths	9	13	11	7	4	11	4	10	5
Rate	181.6	207.0	183.7	157.8	84.0	272.5	78.9	203.5	110.9
<b>Minnesota</b>									
Patients	46	43	41	56	59	68	62	55	62
Deaths	10	3	4	6	5	7	8	7	1
Rate	255.5	74.9	107.2	117.9	91.8	112.2	144.4	138.2	16.4
<b>Missouri</b>									
Patients	78	68	58	63	55	50	71	89	81
Deaths	11	10	12	9	6	9	5	7	10
Rate	158.8	162.3	246.0	160.0	119.8	212.8	74.2	84.3	134.4
<b>Mississippi</b>									
Patients	13	13	8	9	12	7	8	6	9
Deaths	1	2	0	3	2	0	2	1	1
Rate	82.6	172.0	*	*	188.6	*	*	*	*

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Transplant Center State	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>North Carolina</b>									
Patients	74	86	111	90	89	80	69	74	81
Deaths	5	16	13	12	9	10	10	9	6
Rate	72.2	211.1	125.7	147.3	109.3	134.9	163.4	134.2	79.2
<b>Nebraska</b>									
Patients	5	6	6	6	3	1	7	18	14
Deaths	0	2	1	1	0	0	0	6	1
Rate	*	*	*	*	*	*	*	452.4	75.5
<b>New Jersey</b>									
Patients	36	29	33	42	37	45	47	43	43
Deaths	6	8	3	5	6	3	4	3	2
Rate	190.6	367.4	98.2	128.1	179.8	70.3	91.1	73.4	48.1
<b>New Mexico</b>									
Patients	6	4	1	1	-	-	-	-	-
Deaths	1	0	0	1	-	-	-	-	-
Rate	*	*	*	*	-	-	-	-	-
<b>New York</b>									
Patients	114	143	173	163	150	139	156	146	144
Deaths	14	14	24	28	20	23	21	22	20
Rate	136.3	105.6	156.2	196.1	147.6	188.6	151.5	172.8	154.2
<b>Ohio</b>									
Patients	148	138	110	96	110	92	99	115	90
Deaths	26	19	12	14	12	9	14	12	14
Rate	207.8	154.3	117.8	161.7	119.0	106.1	161.5	113.2	180.8
<b>Oklahoma</b>									
Patients	28	35	25	27	19	25	23	18	13
Deaths	8	5	6	1	4	2	3	2	2
Rate	365.8	160.9	293.8	38.1	253.2	86.8	137.1	120.6	168.4
<b>Oregon</b>									
Patients	25	24	32	24	19	14	21	26	15
Deaths	0	1	2	3	2	2	0	1	1
Rate	0.0	43.4	63.6	137.4	110.3	166.1	0.0	39.8	68.1

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Transplant Center State	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Pennsylvania</b>									
Patients	194	202	185	168	166	136	149	207	180
Deaths	38	41	30	31	28	16	19	26	25
Rate	231.8	244.5	186.7	218.0	193.3	128.5	143.3	139.5	152.8
<b>Puerto Rico</b>									
Patients	5	13	12	4	17	10	16	13	12
Deaths	1	0	0	0	1	0	2	1	0
Rate	*	0.0	0.0	*	62.5	0.0	131.9	83.3	0.0
<b>South Carolina</b>									
Patients	24	24	25	21	15	21	20	21	18
Deaths	3	2	0	1	0	2	4	2	1
Rate	134.9	90.8	0.0	50.0	0.0	100.4	232.9	101.5	58.7
<b>Tennessee</b>									
Patients	65	52	63	63	54	59	49	37	50
Deaths	11	4	9	8	10	5	3	4	8
Rate	195.4	82.6	161.6	142.1	214.6	91.4	64.1	119.3	182.1
<b>Texas</b>									
Patients	189	189	182	175	176	165	174	177	193
Deaths	33	26	33	25	26	20	24	23	22
Rate	204.0	154.2	210.6	163.2	164.5	132.0	153.9	140.5	123.7
<b>Utah</b>									
Patients	23	28	29	42	33	34	38	35	35
Deaths	4	1	2	3	2	1	5	2	2
Rate	204.2	36.9	73.8	76.1	63.5	30.3	146.0	58.4	59.4
<b>Virginia</b>									
Patients	58	56	57	55	54	48	52	54	53
Deaths	7	10	11	6	9	11	12	7	4
Rate	130.2	206.5	222.6	119.7	192.0	284.9	265.7	146.6	79.2
<b>Washington</b>									
Patients	41	45	37	41	40	43	41	32	39
Deaths	4	1	3	2	3	4	7	4	2
Rate	107.1	22.6	85.7	51.2	79.0	100.9	202.6	138.9	54.0

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.

**Table 11.7 (Continued)**  
**Patients and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2007**  
**Rates for Recipients during First Year after Heart Transplantation**

Transplant Center State	Year of Transplant								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
<b>Wisconsin</b>									
Patients	74	57	67	57	57	51	59	61	42
Deaths	8	8	6	9	5	3	9	8	7
Rate	120.1	151.8	95.9	181.1	94.7	60.8	173.3	144.9	191.5

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

(\*) = For cohorts with fewer than 10 patients, rates are imprecise and are not reported.

Multi-organ transplants are excluded.

Includes patients transplanted during the year and having reported data one-year after transplant. Time at risk covers the period from transplant date until the date of death or one-year anniversary of the transplant. See Technical Notes for further details.