

**Table 12.3**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Age This Year	Year										
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
<b>Total</b>											
Patients	4,868	5,141	5,374	5,399	5,549	5,650	5,269	4,798	4,676	4,119	
Deaths	599	519	532	529	489	512	398	300	317	266	
Rate	190.5	152.6	149.1	145.0	131.5	135.0	115.5	103.5	125.9	128.0	
<b>&lt;1 Year</b>											
Patients	8	5	4	5	5	1	3	1	4	6	
Deaths	3	-	2	2	1	-	-	-	1	-	
Rate	*	*	*	*	*	*	*	*	*	*	
<b>1-5 Years</b>											
Patients	32	24	28	31	25	31	27	22	24	21	
Deaths	7	4	6	4	1	3	2	2	3	5	
Rate	516.6	318.7	384.7	238.2	61.5	172.0	138.8	184.1	302.6	416.2	
<b>6-11 Years</b>											
Patients	70	85	75	67	60	62	59	57	58	47	
Deaths	10	9	4	9	1	4	4	3	4	5	
Rate	239.0	159.5	74.4	187.0	23.6	102.6	98.8	76.3	96.7	151.1	
<b>12-17 Years</b>											
Patients	175	161	174	176	160	173	158	146	128	113	
Deaths	26	16	16	22	20	13	14	12	13	4	
Rate	228.8	158.7	136.1	168.1	181.9	108.9	125.3	123.9	162.9	53.5	
<b>18-34 Years</b>											
Patients	849	850	866	831	820	835	738	666	618	491	
Deaths	131	105	105	85	78	82	77	40	54	45	
Rate	230.2	181.2	177.5	148.9	133.8	144.3	154.3	94.5	149.8	175.3	
<b>35-49 Years</b>											
Patients	1,321	1,452	1,454	1,451	1,430	1,407	1,303	1,093	946	779	
Deaths	145	131	126	134	120	113	85	59	49	54	
Rate	160.7	131.6	122.2	129.3	117.1	109.9	89.7	78.1	83.4	119.9	
<b>50-64 Years</b>											
Patients	2,234	2,388	2,564	2,583	2,734	2,807	2,582	2,369	2,320	2,023	
Deaths	252	221	242	239	234	255	184	151	150	118	
Rate	180.5	143.9	147.8	142.3	132.8	139.5	113.9	111.3	123.8	117.8	
<b>65+ Years</b>											
Patients	179	176	209	255	315	334	399	444	578	639	
Deaths	25	33	31	34	34	42	32	33	43	35	
Rate	233.9	282.0	256.5	206.2	190.5	218.3	147.7	151.9	189.5	140.8	

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Ethnicity/Race		Year									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total</b>	Patients	4,868	5,141	5,374	5,399	5,549	5,650	5,269	4,798	4,676	4,119
	Deaths	599	519	532	529	489	512	398	300	317	266
	Rate	190.5	152.6	149.1	145.0	131.5	135.0	115.5	103.5	125.9	128.0
<b>White</b>	Patients	4,153	4,362	4,522	4,500	4,607	4,703	4,363	3,961	3,854	3,360
	Deaths	488	427	425	418	374	419	297	232	253	211
	Rate	181.6	148.7	142.1	137.8	121.6	133.7	104.1	97.1	122.3	124.7
<b>African American</b>	Patients	442	483	539	540	553	547	504	454	421	400
	Deaths	59	54	61	71	74	48	47	34	30	24
	Rate	208.1	165.7	165.8	190.0	197.1	124.2	136.9	123.8	128.6	116.2
<b>Other/Multi-race</b>	Patients	17	12	13	20	22	26	31	31	29	29
	Deaths	3	-	3	2	2	3	4	3	2	3
	Rate	395.7	-	337.4	192.9	150.4	170.7	242.8	170.0	130.2	245.5
<b>Asian</b>	Patients	58	67	71	85	88	78	97	80	73	76
	Deaths	11	10	10	9	10	6	9	3	2	6
	Rate	301.2	214.8	222.0	158.9	146.4	97.7	147.8	54.0	42.9	147.9
<b>Hispanic/Latino</b>	Patients	198	217	229	251	277	296	274	272	299	254
	Deaths	38	28	33	28	29	36	41	28	30	22
	Rate	293.1	189.0	214.2	162.4	157.2	185.9	237.3	172.8	195.9	172.8
<b>Unknown</b>	Patients	-	-	-	3	2	-	-	-	-	-
	Deaths	-	-	-	1	-	-	-	-	-	-
	Rate	-	-	-	*	*	-	-	-	-	-

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Gender		Year									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total</b>	Patients	4,868	5,141	5,374	5,399	5,549	5,650	5,269	4,798	4,676	4,119
	Deaths	599	519	532	529	489	512	398	300	317	266
	Rate	190.5	152.6	149.1	145.0	131.5	135.0	115.5	103.5	125.9	128.0
<b>Female</b>	Patients	2,774	2,920	3,034	3,017	3,091	3,159	2,918	2,666	2,545	2,192
	Deaths	327	276	292	279	265	275	229	174	174	155
	Rate	177.2	137.8	141.0	132.2	122.6	124.3	113.8	100.2	114.7	122.2
<b>Male</b>	Patients	2,094	2,221	2,340	2,382	2,458	2,491	2,351	2,132	2,131	1,927
	Deaths	272	243	240	250	224	237	169	126	143	111
	Rate	209.3	173.8	160.4	162.6	143.9	149.9	117.9	108.3	142.8	137.1

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Blood Type		Year									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total</b>	Patients	4,868	5,141	5,374	5,399	5,549	5,650	5,269	4,798	4,676	4,119
	Deaths	599	519	532	529	489	512	398	300	317	266
	Rate	190.5	152.6	149.1	145.0	131.5	135.0	115.5	103.5	125.9	128.0
<b>A</b>	Patients	1,819	1,906	2,001	2,032	2,088	2,168	2,067	1,855	1,829	1,620
	Deaths	216	172	185	179	162	192	150	99	120	95
	Rate	185.8	137.5	139.4	133.8	117.8	132.4	112.3	89.1	122.7	116.5
<b>AB</b>	Patients	193	208	207	205	206	220	198	176	192	149
	Deaths	18	17	19	17	17	15	11	8	13	11
	Rate	148.3	120.3	140.3	124.0	113.3	99.4	88.0	76.3	135.6	149.4
<b>B</b>	Patients	543	578	599	565	585	578	549	487	484	452
	Deaths	62	58	63	57	49	43	45	29	30	34
	Rate	177.4	151.7	165.4	150.5	123.9	112.2	129.7	99.4	114.7	159.8
<b>O</b>	Patients	2,313	2,449	2,567	2,597	2,670	2,684	2,455	2,280	2,171	1,898
	Deaths	303	272	265	276	261	262	192	164	154	126
	Rate	200.6	167.3	153.8	153.8	145.2	144.8	117.2	117.9	130.2	129.1

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Primary Diagnosis	Year										
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
<b>Total</b>											
Patients	4,868	5,141	5,374	5,399	5,549	5,650	5,269	4,798	4,676	4,119	
Deaths	599	519	532	529	489	512	398	300	317	266	
Rate	190.5	152.6	149.1	145.0	131.5	135.0	115.5	103.5	125.9	128.0	
<b>Emphysema/COPD</b>											
Patients	1,526	1,611	1,646	1,591	1,635	1,601	1,460	1,330	1,320	1,169	
Deaths	112	121	104	98	98	101	71	55	56	37	
Rate	114.1	114.6	97.5	93.5	93.2	94.5	76.0	68.1	77.6	59.4	
<b>Cystic Fibrosis</b>											
Patients	753	773	775	764	755	782	715	673	622	522	
Deaths	119	105	99	87	79	80	69	35	55	43	
Rate	245.8	208.4	189.2	166.4	153.3	153.2	143.8	83.7	148.3	147.4	
<b>Idiopathic Pulmonary Fibrosis</b>											
Patients	656	732	833	923	1,012	1,059	984	937	1,008	988	
Deaths	121	109	129	156	140	153	100	89	82	81	
Rate	324.3	256.2	269.4	293.2	231.5	242.3	182.5	203.6	208.0	233.4	
<b>Alpha-1-Antitrypsin Deficiency</b>											
Patients	274	280	298	290	283	269	247	210	196	162	
Deaths	19	8	9	13	10	11	11	9	3	1	
Rate	99.3	40.8	43.4	63.2	49.5	55.1	60.3	58.3	23.5	9.0	
<b>Idiopathic Pulmonary Arterial Hypertension</b>											
Patients	479	502	548	518	533	528	499	421	362	242	
Deaths	69	48	67	42	49	35	27	28	23	21	
Rate	200.7	122.3	159.7	100.8	117.6	80.7	66.5	81.3	88.4	118.5	
<b>Retransplant/Graft Failure</b>											
Patients	270	294	282	284	272	266	232	201	209	161	
Deaths	30	29	26	32	21	32	26	19	30	23	
Rate	181.0	152.8	141.6	180.4	120.6	218.6	223.5	217.5	374.4	366.8	
<b>Congenital Disease</b>											
Patients	126	127	109	98	96	82	76	70	61	35	
Deaths	16	11	10	10	9	4	3	3	3	-	
Rate	176.7	122.3	116.3	121.9	112.3	55.3	44.9	50.7	61.5	-	
<b>Other</b>											
Patients	783	822	882	930	963	1,063	1,056	956	898	840	

(Continued)

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Primary Diagnosis		Year									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Other</b>	Deaths	113	88	88	91	83	96	91	62	65	60
	Rate	220.1	161.0	146.3	137.4	123.3	133.4	127.7	104.7	126.3	135.4
<b>Unknown</b>	Patients	1	-	1	1	-	-	-	-	-	-
	Deaths	-	-	-	-	-	-	-	-	-	-
	Rate	*	-	*	*	-	-	-	-	-	-

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Lung Diagnosis Group	Year									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total</b>										
Patients	4,868	5,141	5,374	5,399	5,549	5,650	5,269	4,798	4,676	4,119
Deaths	599	519	532	529	489	512	398	300	317	266
Rate	190.5	152.6	149.1	145.0	131.5	135.0	115.5	103.5	125.9	128.0
<b>Group A: Obstructive Lung Disease</b>										
Patients	2,121	2,267	2,349	2,312	2,331	2,283	2,081	1,873	1,797	1,578
Deaths	154	156	143	138	139	134	101	85	72	49
Rate	109.5	103.0	91.9	88.4	89.1	85.6	72.4	71.9	69.8	55.3
<b>Group B: Pulmonary Vascular Disease</b>										
Patients	607	654	687	665	686	681	661	572	492	333
Deaths	78	60	80	51	63	42	36	34	36	29
Rate	174.0	119.4	151.7	96.3	115.9	75.2	68.2	75.5	103.0	126.4
<b>Group C: Cystic Fibrosis or Immunodef. Disorders</b>										
Patients	794	824	821	805	798	813	734	684	622	522
Deaths	116	100	96	87	80	84	70	34	53	45
Rate	224.8	185.7	173.1	157.6	145.9	155.3	142.6	80.3	143.1	155.4
<b>Group D: Restrictive Lung Disease</b>										
Patients	1,097	1,180	1,331	1,436	1,570	1,729	1,691	1,582	1,670	1,606
Deaths	200	172	191	222	194	227	183	142	148	133
Rate	317.0	243.1	236.1	250.5	200.5	217.1	188.7	180.7	209.2	214.4
<b>Group E: Age Less Than 12</b>										
Patients	110	114	107	103	90	94	89	80	86	74
Deaths	20	13	12	15	3	7	6	5	8	10
Rate	355.5	182.8	172.4	228.2	50.4	123.3	108.1	99.5	154.8	214.0
<b>Other Diagnosis</b>										
Patients	139	102	79	78	74	50	13	7	9	6
Deaths	31	18	10	16	10	18	2	-	-	-
Rate	358.9	274.2	195.4	297.9	261.0	699.4	270.0	*	*	*

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Lung Allocation Score		Year									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total</b>	Patients	4,868	5,141	5,374	5,399	5,549	5,650	5,269	4,798	4,676	4,119
	Deaths	599	519	532	529	489	512	398	300	317	266
	Rate	190.5	152.6	149.1	145.0	131.5	135.0	115.5	103.5	125.9	128.0
<b>LAS 0</b>	Patients	-	-	-	-	-	-	1,925	1,802	1,686	1,051
	Deaths	-	-	-	-	-	-	74	111	80	47
	Rate	-	-	-	-	-	-	41.6	69.5	59.9	54.8
<b>LAS 20 - 29</b>	Patients	-	-	-	-	-	-	215	154	80	50
	Deaths	-	-	-	-	-	-	14	6	4	6
	Rate	-	-	-	-	-	-	85.5	59.4	79.3	183.7
<b>LAS 30 - 34</b>	Patients	-	-	-	-	-	-	1,518	1,530	1,320	1,247
	Deaths	-	-	-	-	-	-	44	52	33	38
	Rate	-	-	-	-	-	-	44.4	64.1	49.6	59.1
<b>LAS 35 - 39</b>	Patients	-	-	-	-	-	-	482	677	677	768
	Deaths	-	-	-	-	-	-	31	34	49	52
	Rate	-	-	-	-	-	-	122.3	136.4	193.1	172.0
<b>LAS 40 - 49</b>	Patients	-	-	-	-	-	-	280	370	537	574
	Deaths	-	-	-	-	-	-	31	32	55	36
	Rate	-	-	-	-	-	-	279.0	327.2	365.7	215.3
<b>LAS 50 - 59</b>	Patients	-	-	-	-	-	-	51	108	146	170
	Deaths	-	-	-	-	-	-	14	12	29	23
	Rate	-	-	-	-	-	-	934.1	518.1	1,077.9	665.8
<b>LAS 60+</b>	Patients	-	-	-	-	-	-	90	157	230	259
	Deaths	-	-	-	-	-	-	32	53	67	64
	Rate	-	-	-	-	-	-	1,234.3	2,569.8	1,862.5	1,592.8
<b>Unknown</b>	Patients	4,868	5,141	5,374	5,399	5,549	5,650	708	-	-	-
	Deaths	599	519	532	529	489	512	158	-	-	-
	Rate	190.5	152.6	149.1	145.0	131.5	135.0	1,488.7	-	-	-

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Waitlist Center State		Year									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total</b>	Patients	4,868	5,141	5,374	5,399	5,549	5,650	5,269	4,798	4,676	4,119
	Deaths	599	519	532	529	489	512	398	300	317	266
	Rate	190.5	152.6	149.1	145.0	131.5	135.0	115.5	103.5	125.9	128.0
<b>Alabama</b>	Patients	81	99	94	93	91	81	79	79	82	73
	Deaths	7	7	14	12	12	9	10	9	8	7
	Rate	156.5	160.4	299.8	233.4	286.3	212.7	240.4	207.8	193.5	173.0
<b>Arkansas</b>	Patients	1	1	1	1	1	1	1	1	-	-
	Deaths	-	-	-	-	-	-	-	-	-	-
	Rate	*	*	*	*	*	*	*	*	*	-
<b>Arizona</b>	Patients	16	16	17	16	14	15	17	37	54	66
	Deaths	4	-	1	1	1	-	1	3	4	5
	Rate	367.3	-	161.1	203.4	161.7	-	111.2	284.4	243.2	204.4
<b>California</b>	Patients	475	513	568	567	570	607	598	563	558	435
	Deaths	63	61	62	64	53	44	36	29	42	30
	Rate	206.8	176.1	166.1	169.7	142.2	116.4	98.5	90.4	162.5	162.9
<b>Colorado</b>	Patients	127	167	191	174	176	203	199	176	175	156
	Deaths	13	13	23	9	10	13	18	10	14	12
	Rate	144.7	117.1	189.9	75.3	83.5	93.6	122.2	76.7	106.7	103.6
<b>Connecticut</b>	Patients	7	7	7	-	-	-	-	-	-	-
	Deaths	-	-	-	-	-	-	-	-	-	-
	Rate	*	*	*	-	-	-	-	-	-	-
<b>District of Columbia</b>	Patients	1	-	-	-	-	-	-	-	-	-
	Deaths	-	-	-	-	-	-	-	-	-	-
	Rate	*	-	-	-	-	-	-	-	-	-
<b>Florida</b>	Patients	155	173	227	269	302	335	324	282	282	299
	Deaths	19	22	25	38	25	40	30	16	14	21
	Rate	192.1	189.6	188.9	230.0	135.3	192.9	169.9	131.4	111.1	159.2

(Continued)

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Waitlist Center State	Year										
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
<b>Georgia</b>	Patients	34	48	54	54	61	62	54	56	49	44
	Deaths	5	9	7	6	6	8	2	6	4	1
	Rate	252.4	345.0	262.8	182.3	198.5	309.8	82.4	286.4	326.9	94.3
<b>Iowa</b>	Patients	-	1	1	1	1	1	1	1	11	17
	Deaths	-	-	-	-	-	-	-	-	-	1
	Rate	-	*	*	*	*	*	*	*	-	174.7
<b>Illinois</b>	Patients	175	134	110	112	133	148	125	118	131	137
	Deaths	27	11	12	7	12	13	12	10	15	9
	Rate	234.9	128.3	191.4	100.0	155.0	145.0	153.7	147.1	244.4	162.3
<b>Indiana</b>	Patients	112	129	149	163	199	201	158	105	90	103
	Deaths	14	13	14	13	23	19	6	3	4	2
	Rate	188.9	179.8	149.9	118.7	187.2	139.6	63.4	67.3	84.6	37.3
<b>Kansas</b>	Patients	-	-	1	-	-	-	-	-	-	-
	Deaths	-	-	-	-	-	-	-	-	-	-
	Rate	-	-	*	-	-	-	-	-	-	-
<b>Kentucky</b>	Patients	74	64	63	57	56	62	76	76	74	75
	Deaths	10	5	11	6	10	6	12	3	5	5
	Rate	383.3	169.4	315.0	170.2	342.5	181.4	322.5	79.3	102.7	147.1
<b>Louisiana</b>	Patients	31	33	22	28	33	18	14	5	1	-
	Deaths	4	2	1	-	3	3	1	-	-	-
	Rate	553.1	211.1	267.1	-	288.6	417.5	178.5	*	*	-
<b>Massachusetts</b>	Patients	227	236	253	284	287	290	252	225	217	225
	Deaths	21	24	14	43	31	24	21	18	13	17
	Rate	130.9	138.1	75.2	201.1	142.3	107.7	98.8	98.4	76.6	98.8
<b>Maryland</b>	Patients	166	166	164	166	182	191	205	148	136	131
	Deaths	24	24	20	16	17	17	17	10	10	10
	Rate	251.7	216.9	164.9	129.4	129.6	111.7	120.0	95.9	113.0	130.1

(Continued)

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

Notes:

Patients alive on the waiting list at any time during the year are counted. Period at risk begins the later of January 1 or waiting list registration and ends on the earlier of December 31, date of death, or date of removal for other reasons. Please see Technical Notes for further details about death rate computation.

(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Waitlist Center State	Year										
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
<b>Michigan</b>	Patients	190	179	156	139	128	133	117	112	107	111
	Deaths	25	15	7	17	14	9	10	8	4	8
	Rate	192.0	123.7	66.9	206.5	167.2	102.3	144.8	147.8	82.8	147.2
<b>Minnesota</b>	Patients	212	232	237	250	266	254	246	214	199	176
	Deaths	24	22	16	21	12	24	17	7	12	8
	Rate	181.2	142.6	92.8	120.4	62.9	120.5	94.7	49.9	103.6	72.9
<b>Missouri</b>	Patients	587	637	644	616	603	613	584	530	459	214
	Deaths	67	66	65	62	48	37	37	41	32	18
	Rate	160.1	139.3	133.2	126.9	103.1	75.7	77.6	92.2	112.9	146.3
<b>North Carolina</b>	Patients	383	381	396	347	330	312	252	208	161	164
	Deaths	44	28	37	23	20	29	14	10	9	5
	Rate	167.5	105.9	134.8	90.7	88.4	146.2	90.3	87.8	110.3	70.1
<b>Nebraska</b>	Patients	21	19	18	16	4	-	-	-	-	-
	Deaths	1	-	3	1	1	-	-	-	-	-
	Rate	54.8	-	190.1	204.9	*	-	-	-	-	-
<b>New Jersey</b>	Patients	4	4	3	1	1	1	1	1	2	7
	Deaths	1	1	1	-	-	-	-	-	-	-
	Rate	*	*	*	*	*	*	*	*	*	*
<b>New York</b>	Patients	263	272	267	298	318	360	359	284	270	243
	Deaths	38	36	33	31	27	37	17	15	11	10
	Rate	195.8	184.3	167.2	148.1	112.7	141.0	70.7	79.9	59.2	59.9
<b>Ohio</b>	Patients	129	153	127	124	116	134	123	154	190	169
	Deaths	7	18	9	8	6	10	6	10	12	8
	Rate	102.5	261.6	162.8	171.4	130.7	205.3	146.7	225.2	163.4	96.2
<b>Oklahoma</b>	Patients	39	48	44	47	46	53	37	26	32	23
	Deaths	8	6	5	1	3	7	3	-	-	2
	Rate	281.9	212.7	156.6	31.9	107.7	260.0	172.9	-	-	290.8

(Continued)

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

Notes:

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(-) = None in category.

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

**Table 12.3 (Continued)**  
**Reported Deaths and Annual Death Rates Per 1,000 Patient-Years at Risk, 1999 to 2008**  
**Lung Waiting List**

Waitlist Center State	Year									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Oregon</b>										
Patients	7	3	2	-	-	-	-	-	-	-
Deaths	4	-	1	-	-	-	-	-	-	-
Rate	*	*	*	-	-	-	-	-	-	-
<b>Pennsylvania</b>										
Patients	679	720	768	773	765	728	662	616	625	491
Deaths	81	66	72	78	70	68	62	43	46	31
Rate	169.7	124.5	128.5	140.0	123.5	127.8	128.8	107.4	139.2	182.4
<b>South Carolina</b>										
Patients	-	-	-	1	-	-	-	-	-	-
Deaths	-	-	-	-	-	-	-	-	-	-
Rate	-	-	-	*	-	-	-	-	-	-
<b>Tennessee</b>										
Patients	55	52	47	47	56	63	55	56	50	48
Deaths	9	5	6	5	5	7	5	2	8	4
Rate	335.2	209.1	231.6	203.9	161.8	257.0	199.6	81.3	301.7	161.9
<b>Texas</b>										
Patients	234	264	297	294	309	303	302	303	319	343
Deaths	30	33	25	29	41	28	31	25	23	25
Rate	225.9	201.8	142.7	159.1	214.5	156.7	184.2	155.1	139.3	152.1
<b>Utah</b>										
Patients	24	18	18	14	17	16	10	15	17	9
Deaths	3	1	4	2	1	1	2	2	2	-
Rate	501.7	186.7	491.8	434.4	223.4	199.7	1,082.2	700.4	530.5	*
<b>Virginia</b>										
Patients	185	209	230	244	251	245	180	170	147	134
Deaths	26	16	23	19	19	37	10	10	10	11
Rate	239.0	132.6	159.8	116.4	107.3	214.8	76.6	105.1	137.8	150.7
<b>Washington</b>										
Patients	62	56	65	70	75	71	85	97	105	111
Deaths	7	5	2	5	4	8	10	5	6	8
Rate	274.8	192.4	79.3	170.3	156.2	335.4	359.7	156.0	155.1	152.4
<b>Wisconsin</b>										
Patients	112	107	133	133	158	149	153	140	133	115
Deaths	13	10	19	12	15	14	8	5	9	8
Rate	246.6	158.7	261.1	145.6	160.0	139.3	83.7	54.7	114.4	117.1

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

Notes:

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