

Table 12.4
Transplant Recipient Characteristics, 1999 to 2008
Recipients of Deceased Donor Lungs

	Year of Transplant									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	864	941	1,034	1,029	1,070	1,157	1,405	1,401	1,465	1,478
Age at Transplant										
<1 Year	4	3	2	3	4	4	3	4	4	3
1-5 Years	3	3	3	5	3	1	8	6	6	3
6-11 Years	9	11	8	10	8	11	7	14	5	6
12-17 Years	18	26	15	21	27	35	35	30	36	33
18-34 Years	113	121	123	138	132	167	157	184	184	167
35-49 Years	198	236	234	232	213	209	256	226	218	212
50-64 Years	479	511	613	573	604	649	807	773	789	781
65+ Years	40	30	36	47	79	81	132	164	223	273
Age at Transplant (%)										
<1 Year	0.5%	0.3%	0.2%	0.3%	0.4%	0.3%	0.2%	0.3%	0.3%	0.2%
1-5 Years	0.3%	0.3%	0.3%	0.5%	0.3%	0.1%	0.6%	0.4%	0.4%	0.2%
6-11 Years	1.0%	1.2%	0.8%	1.0%	0.7%	1.0%	0.5%	1.0%	0.3%	0.4%
12-17 Years	2.1%	2.8%	1.5%	2.0%	2.5%	3.0%	2.5%	2.1%	2.5%	2.2%
18-34 Years	13.1%	12.9%	11.9%	13.4%	12.3%	14.4%	11.2%	13.1%	12.6%	11.3%
35-49 Years	22.9%	25.1%	22.6%	22.5%	19.9%	18.1%	18.2%	16.1%	14.9%	14.3%
50-64 Years	55.4%	54.3%	59.3%	55.7%	56.4%	56.1%	57.4%	55.2%	53.9%	52.8%
65+ Years	4.6%	3.2%	3.5%	4.6%	7.4%	7.0%	9.4%	11.7%	15.2%	18.5%
Recipient Ethnicity/Race										
White	779	844	918	913	928	997	1,216	1,193	1,228	1,228
African American	52	67	87	62	71	88	109	122	123	131
Other/Multi-race	4	3	1	5	4	5	8	10	11	13
Asian	5	2	6	8	18	9	17	14	15	24
Hispanic/Latino	24	25	22	41	47	58	55	62	88	82
Unknown	-	-	-	-	2	-	-	-	-	-
Recipient Ethnicity/Race (%)										
White	90.2%	89.7%	88.8%	88.7%	86.7%	86.2%	86.5%	85.2%	83.8%	83.1%
African American	6.0%	7.1%	8.4%	6.0%	6.6%	7.6%	7.8%	8.7%	8.4%	8.9%
Other/Multi-race	0.5%	0.3%	0.1%	0.5%	0.4%	0.4%	0.6%	0.7%	0.8%	0.9%
Asian	0.6%	0.2%	0.6%	0.8%	1.7%	0.8%	1.2%	1.0%	1.0%	1.6%
Hispanic/Latino	2.8%	2.7%	2.1%	4.0%	4.4%	5.0%	3.9%	4.4%	6.0%	5.5%
Unknown	-	-	-	-	0.2%	-	-	-	-	-
Recipient Gender										
Female	431	467	556	510	497	577	627	619	614	584
Male	433	474	478	519	573	580	778	782	851	894
Recipient Gender (%)										
Female	49.9%	49.6%	53.8%	49.6%	46.4%	49.9%	44.6%	44.2%	41.9%	39.5%
Male	50.1%	50.4%	46.2%	50.4%	53.6%	50.1%	55.4%	55.8%	58.1%	60.5%

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

Notes:

(-) = None in category.

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Table 12.4 (Continued)
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Recipients of Deceased Donor Lungs

	Year of Transplant									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	864	941	1,034	1,029	1,070	1,157	1,405	1,401	1,465	1,478
Recipient Blood Type										
A	365	368	415	451	442	442	568	591	572	595
AB	49	40	42	40	22	54	63	47	73	63
B	92	118	137	104	116	139	151	141	159	149
O	358	415	440	434	490	522	623	622	661	671
Recipient Blood Type (%)										
A	42.2%	39.1%	40.1%	43.8%	41.3%	38.2%	40.4%	42.2%	39.0%	40.3%
AB	5.7%	4.3%	4.1%	3.9%	2.1%	4.7%	4.5%	3.4%	5.0%	4.3%
B	10.6%	12.5%	13.2%	10.1%	10.8%	12.0%	10.7%	10.1%	10.9%	10.1%
O	41.4%	44.1%	42.6%	42.2%	45.8%	45.1%	44.3%	44.4%	45.1%	45.4%
Previous Tx Any Organ										
No	842	923	1,007	1,002	1,035	1,123	1,331	1,344	1,378	1,402
Yes	22	18	27	27	35	34	74	57	87	76
Previous Tx Any Organ (%)										
No	97.5%	98.1%	97.4%	97.4%	96.7%	97.1%	94.7%	95.9%	94.1%	94.9%
Yes	2.5%	1.9%	2.6%	2.6%	3.3%	2.9%	5.3%	4.1%	5.9%	5.1%
Previous LU/HL Tx										
No	843	923	1,008	1,003	1,035	1,124	1,331	1,347	1,381	1,405
Yes	21	18	26	26	35	33	74	54	84	73
Previous LU/HL Tx (%)										
No	97.6%	98.1%	97.5%	97.5%	96.7%	97.1%	94.7%	96.1%	94.3%	95.1%
Yes	2.4%	1.9%	2.5%	2.5%	3.3%	2.9%	5.3%	3.9%	5.7%	4.9%
Primary Payment Source										
Private Insurance	530	613	644	679	687	655	872	830	876	839
Medicaid	83	72	79	75	83	118	123	126	114	112
Medicare	184	198	256	231	241	326	350	389	421	458
Other	57	58	54	44	59	58	60	56	54	68
Unknown	10	-	1	-	-	-	-	-	-	1
Primary Payment Source (%)										
Private Insurance	61.3%	65.1%	62.3%	66.0%	64.2%	56.6%	62.1%	59.2%	59.8%	56.8%
Medicaid	9.6%	7.7%	7.6%	7.3%	7.8%	10.2%	8.8%	9.0%	7.8%	7.6%
Medicare	21.3%	21.0%	24.8%	22.4%	22.5%	28.2%	24.9%	27.8%	28.7%	31.0%
Other	6.6%	6.2%	5.2%	4.3%	5.5%	5.0%	4.3%	4.0%	3.7%	4.6%
Unknown	1.2%	-	0.1%	-	-	-	-	-	-	0.1%

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Recipient Residency										
U.S. Resident	849	938	1,033	1,025	1,067	1,153	1,399	1,397	1,455	1,469
Nonresident Alien	9	3	1	4	3	3	5	4	10	9
Unknown	6	-	-	-	-	1	1	-	-	-
Recipient Residency (%)										
U.S. Resident	98.3%	99.7%	99.9%	99.6%	99.7%	99.7%	99.6%	99.7%	99.3%	99.4%
Nonresident Alien	1.0%	0.3%	0.1%	0.4%	0.3%	0.3%	0.4%	0.3%	0.7%	0.6%
Unknown	0.7%	-	-	-	-	0.1%	0.1%	-	-	-
Hospitalized at Tx										
In Intensive Care	36	22	28	38	35	47	81	109	138	125
Hospitalized	43	47	32	42	40	65	77	122	124	114
Not Hospitalized	776	872	973	949	995	1,045	1,247	1,170	1,203	1,239
Unknown	9	-	1	-	-	-	-	-	-	-
Hospitalized at Tx (%)										
In Intensive Care	4.2%	2.3%	2.7%	3.7%	3.3%	4.1%	5.8%	7.8%	9.4%	8.5%
Hospitalized	5.0%	5.0%	3.1%	4.1%	3.7%	5.6%	5.5%	8.7%	8.5%	7.7%
Not Hospitalized	89.8%	92.7%	94.1%	92.2%	93.0%	90.3%	88.8%	83.5%	82.1%	83.8%
Unknown	1.0%	-	0.1%	-	-	-	-	-	-	-
On Life Support at Tx										
No	799	884	987	970	1,014	1,091	1,314	1,310	1,372	1,339
Yes	56	57	46	59	56	66	91	91	93	139
Unknown	9	-	1	-	-	-	-	-	-	-
On Life Support at Tx (%)										
No	92.5%	93.9%	95.5%	94.3%	94.8%	94.3%	93.5%	93.5%	93.7%	90.6%
Yes	6.5%	6.1%	4.4%	5.7%	5.2%	5.7%	6.5%	6.5%	6.3%	9.4%
Unknown	1.0%	-	0.1%	-	-	-	-	-	-	-

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Total	864	941	1,034	1,029	1,070	1,157	1,405	1,401	1,465	1,478
Type of Procedure										
Single Lung	506	507	585	501	506	504	586	504	520	496
Double Lung	358	434	449	528	564	653	819	897	945	982
Type of Procedure (%)										
Single Lung	58.6%	53.9%	56.6%	48.7%	47.3%	43.6%	41.7%	36.0%	35.5%	33.6%
Double Lung	41.4%	46.1%	43.4%	51.3%	52.7%	56.4%	58.3%	64.0%	64.5%	66.4%

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Total	864	941	1,034	1,029	1,070	1,157	1,405	1,401	1,465	1,478
Primary Diagnosis										
Emphysema/COPD	379	410	472	405	425	426	459	434	434	422
Cystic Fibrosis	134	167	149	165	170	202	202	231	219	202
Idiopathic Pulmonary Fibrosis	148	137	167	211	238	277	392	402	487	495
Alpha-1-Antitrypsin Deficiency	67	72	81	83	65	61	56	49	41	43
Idiopathic Pulmonary Arterial Hypertension	38	40	37	50	44	35	40	33	30	26
Congenital Disease	14	14	7	11	9	7	2	1	2	4
Other	84	101	121	103	119	149	254	251	252	284
Unknown	-	-	-	1	-	-	-	-	-	2
Primary Diagnosis (%)										
Emphysema/COPD	43.9%	43.6%	45.6%	39.4%	39.7%	36.8%	32.7%	31.0%	29.6%	28.6%
Cystic Fibrosis	15.5%	17.7%	14.4%	16.0%	15.9%	17.5%	14.4%	16.5%	14.9%	13.7%
Idiopathic Pulmonary Fibrosis	17.1%	14.6%	16.2%	20.5%	22.2%	23.9%	27.9%	28.7%	33.2%	33.5%
Alpha-1-Antitrypsin Deficiency	7.8%	7.7%	7.8%	8.1%	6.1%	5.3%	4.0%	3.5%	2.8%	2.9%
Idiopathic Pulmonary Arterial Hypertension	4.4%	4.3%	3.6%	4.9%	4.1%	3.0%	2.8%	2.4%	2.0%	1.8%
Congenital Disease	1.6%	1.5%	0.7%	1.1%	0.8%	0.6%	0.1%	0.1%	0.1%	0.3%
Other	9.7%	10.7%	11.7%	10.0%	11.1%	12.9%	18.1%	17.9%	17.2%	19.2%
Unknown	-	-	-	0.1%	-	-	-	-	-	0.1%
Cold Ischemic Time										
0-90 Minutes	10	9	9	15	11	6	14	7	6	8
91-180 Minutes	155	126	131	126	102	121	149	114	111	93
181-270 Minutes	234	254	326	309	340	318	383	357	389	404
271-360 Minutes	219	251	250	279	291	371	422	453	477	507
361-480 Minutes	84	83	112	117	170	188	230	238	274	271
481+ Minutes	36	22	43	29	27	55	56	51	61	57
Unknown	126	196	163	154	129	98	151	181	147	138
Cold Ischemic Time (%)										
0-90 Minutes	1.2%	1.0%	0.9%	1.5%	1.0%	0.5%	1.0%	0.5%	0.4%	0.5%
91-180 Minutes	17.9%	13.4%	12.7%	12.2%	9.5%	10.5%	10.6%	8.1%	7.6%	6.3%
181-270 Minutes	27.1%	27.0%	31.5%	30.0%	31.8%	27.5%	27.3%	25.5%	26.6%	27.3%
271-360 Minutes	25.3%	26.7%	24.2%	27.1%	27.2%	32.1%	30.0%	32.3%	32.6%	34.3%
361-480 Minutes	9.7%	8.8%	10.8%	11.4%	15.9%	16.2%	16.4%	17.0%	18.7%	18.3%
481+ Minutes	4.2%	2.3%	4.2%	2.8%	2.5%	4.8%	4.0%	3.6%	4.2%	3.9%
Unknown	14.6%	20.8%	15.8%	15.0%	12.1%	8.5%	10.7%	12.9%	10.0%	9.3%

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Total	864	941	1,034	1,029	1,070	1,157	1,405	1,401	1,465	1,478
Lung Diagnosis Group										
Group A: Obstructive Lung Disease	483	527	601	537	543	542	598	552	540	530
Group B: Pulmonary Vascular Disease	47	45	40	54	50	47	56	54	50	48
Group C: Cystic Fibrosis or Immunodef. Disorders	130	160	144	161	163	198	199	227	219	201
Group D: Restrictive Lung Disease	178	182	224	252	287	341	524	537	628	648
Group E: Age Less Than 12	16	17	13	18	15	16	18	24	15	12
Other Diagnosis	10	10	12	7	12	13	10	7	13	39
Lung Diagnosis Group (%)										
Group A: Obstructive Lung Disease	55.9%	56.0%	58.1%	52.2%	50.7%	46.8%	42.6%	39.4%	36.9%	35.9%
Group B: Pulmonary Vascular Disease	5.4%	4.8%	3.9%	5.2%	4.7%	4.1%	4.0%	3.9%	3.4%	3.2%
Group C: Cystic Fibrosis or Immunodef. Disorders	15.0%	17.0%	13.9%	15.6%	15.2%	17.1%	14.2%	16.2%	14.9%	13.6%
Group D: Restrictive Lung Disease	20.6%	19.3%	21.7%	24.5%	26.8%	29.5%	37.3%	38.3%	42.9%	43.8%
Group E: Age Less Than 12	1.9%	1.8%	1.3%	1.7%	1.4%	1.4%	1.3%	1.7%	1.0%	0.8%
Other Diagnosis	1.2%	1.1%	1.2%	0.7%	1.1%	1.1%	0.7%	0.5%	0.9%	2.6%
Lung Allocation Score										
LAS 0	-	-	-	-	-	-	5	3	2	-
LAS 20 - 29	-	-	-	-	-	-	13	12	8	11
LAS 30 - 34	-	-	-	-	-	-	382	546	423	390
LAS 35 - 39	-	-	-	-	-	-	246	370	376	353
LAS 40 - 49	-	-	-	-	-	-	205	277	354	366
LAS 50 - 59	-	-	-	-	-	-	47	78	109	138
LAS 60+	-	-	-	-	-	-	72	115	193	220
Unknown	864	941	1,034	1,029	1,070	1,157	435	-	-	-
Lung Allocation Score (%)										
LAS 0	-	-	-	-	-	-	0.4%	0.2%	0.1%	-
LAS 20 - 29	-	-	-	-	-	-	0.9%	0.9%	0.5%	0.7%
LAS 30 - 34	-	-	-	-	-	-	27.2%	39.0%	28.9%	26.4%
LAS 35 - 39	-	-	-	-	-	-	17.5%	26.4%	25.7%	23.9%
LAS 40 - 49	-	-	-	-	-	-	14.6%	19.8%	24.2%	24.8%
LAS 50 - 59	-	-	-	-	-	-	3.3%	5.6%	7.4%	9.3%
LAS 60+	-	-	-	-	-	-	5.1%	8.2%	13.2%	14.9%
Unknown	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	31.0%	-	-	-

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