# User Guide

This report contains a wide range of useful information about the heart-lung transplant program at New York University Medical Center (NYUC). The report has three main sections:

A. Program Summary
B. Waiting List Information
C. Transplant Information

The Program Summary is a one-page summary highlighting characteristics of the program, including the number of candidates on the waiting list, the number of transplants performed at the program, the number of patients being cared for by the program, and patient outcomes, including outcomes while on the waiting list (the transplant rate and the death rate while on the waiting list) and outcomes after transplant (patient and graft survival probabilities). If the program performed transplants in both adults and children, survival probabilities for adults and children (pediatrics) are provided separately. For each of the outcomes measures presented, a comparison is provided showing what would be expected at this program if it were performing as similar programs around the country perform when treating similar patients. More details regarding these outcome measures are provided in Sections B and C of the report.

The Waiting List Information section contains more detailed information on how many candidates are on the waiting list at the program, the types of candidates on the waiting list, how long candidates typically have to wait for a transplant at this program, how frequently candidates successfully receive a transplant, and how often candidates on the waiting list die before receiving a transplant.

Table B1 shows the activity on this program's waiting list during two recent 1-year periods and provides comparisons to all programs within this program's OPTN region (see http://optn.transplant.hrsa.gov/members/regions.asp for information on OPTN regions) and the nation as a whole. Tables B2 and B3 describe the candidates on the waiting list at this program, with comparisons to candidates waiting in the same donor service area (OPO/DSA) the OPTN region, and the nation as a whole.

Table B4 shows how many candidates were removed from the waiting list because they received a transplant. The program's transplant rate is calculated as the number of candidates who received a transplant divided by the person-years observed at the program (person-years is a combination of how many candidates were on the waiting list along with how long each candidate was followed since some candidates are not on the waiting list for the entire year). The transplant rate and comparisons to what would be expected at this program are presented in Figures B1 and B2. Figure B1 shows the transplant rate compared to what was expected at this program. The expected transplant rate is an estimate of what we would expect at this program if it were performing transplants at rates similar to other programs in the US with similar candidates on their waiting lists. The expected rate is only an estimate, and is made with a certain level of uncertainty. This uncertainty is shown in Figure B2. Figure B2 displays the ratio of the observed to the expected transplant rate. A ratio of 1 indicates that the observed transplant rate was equal to the expected transplant rate, while a ratio less than 1 indicates the observed rate was lower than expected rate and a ratio greater than 1 indicates the observed rate was higher than the expected rate. However, the level of uncertainty must be considered when interpreting these numbers. The 95% interval is also shown on Figure B2. This interval provides a range within which the true ratio of observed to expected transplant rates is likely to be. If this

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confidence interval includes (crosses) 1.0, then we cannot say that this program's observed transplant rate is different from what would be expected. The observed deceased donor transplant rate at this program was 785.5 per 100 person-years. Transplant rates are also provided for adult and pediatric patients separately along with comparisons to adult and pediatric rates in the DSA, the OPTN region, and the nation. Please refer to the PSR Technical Methods documentation available at http://www.srtr.org for more detail regarding how expected rates are calculated.

The death rate (also known as the mortality rate) for candidates on the waiting list is presented in Table B5 and Figures B4-B6. These data are presented in the same way as the transplant rate data in the previous section. The intent of these tables and figures is to describe risk of death once candidates are listed rather than while they are listed. Therefore, time at risk and deaths after removal from the waiting list for reasons other than transplant, transfer to another transplant program, or recovery (no longer needing a transplant), and before any subsequent transplant, are included. As with transplant rates, mortality rates should be interpreted carefully taking into consideration the interval displayed in Figure B5. For a complete description of how observed and expected mortality rates are calculated, please refer to the technical documentation available at http://www.srtr.org.

Table B6 presents information on what happens to candidates on the waiting list by three different time points after listing: 6 months, 12 months, and 18 months. The table displays percentages of candidates who have died, been removed from the waiting list, been transplanted, or been transferred or lost-to-follow-up. Tables B7 and B8 provide more detail regarding how many candidates have received a deceased donor transplant by certain time points during the first 3 years after being put on the transplant waiting list. Each row of Tables B7 and B8 presents the percent of candidates who received a deceased donor transplant by each time point. Table B9 presents data on the time it took for different percentages of patients to be transplanted for candidates added to the list between 07/01/2013 and 12/31/2018. The time it took for 5% (the 5th percentile) of patients to receive a transplant at this program was NANAIf "Not Observed" is displayed in the table, then too few candidates received transplants before 06/30/2019 to calculate a particular percentile of transplant times.

The Transplant Information section begins with descriptions of transplant recipients in Tables C1 and C2. Data on recipients of deceased donor transplants are presented (Tables C1D and C2D); if applicable, data on recipients of living donor transplants are presented separately (Tables C1L and C2L). Comparisons to the region and the nation as a whole are provided. A description of the deceased donors used at this program is provided in Table C3D, along with characteristics of living donors in Table C3L, if applicable. Finally, information on the transplant procedure for deceased and living donor transplants is presented in Tables C4D and C4L, respectively.

Starting with Table C5, transplant outcomes are presented along with comparisons to what would be expected at this program and what happened in the nation as a whole. Tables C5-C10 present information on graft survival (survival of the transplanted organ), with data presented separately for adult and pediatric recipients. Patients are followed from the time of transplant until either failure of the transplanted organ or death, whichever comes first. Please refer to the technical methods for more information on these calculations (http://www.srtr.org).

While Tables C5-C10 present data on graft survival, Tables C11-C16 present information on patient survival. For these tables, patients are followed from the time of transplant until death, regardless of

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whether the transplant is functioning or the patient required another transplant to survive.

Tables C17 and C18 summarize the multiorgan transplant outcomes at this program. The summary statistics in these tables are descriptive and are not risk-adjusted for different donor and candidate characteristics.

Additional information regarding the technical methods and the risk adjustment models used to estimate expected event rates is available on the SRTR website at http://www.srtr.org. We welcome and encourage feedback on these reports. Please feel free to share feedback with the SRTR at the following e-mail: srtr@srtr.org.

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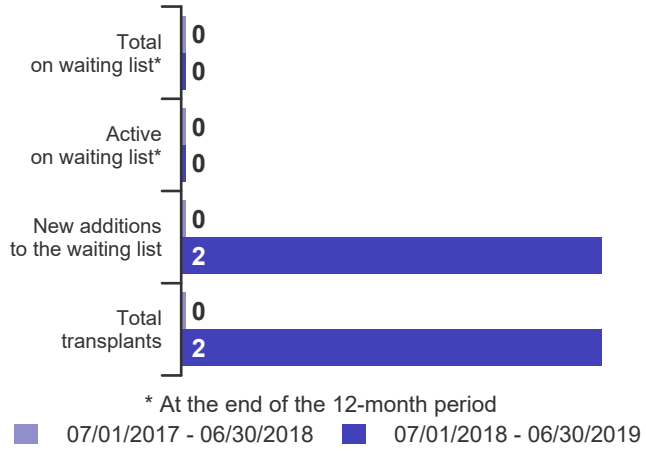
# A. Program Summary

### Figure A1. Waiting list and transplant activity

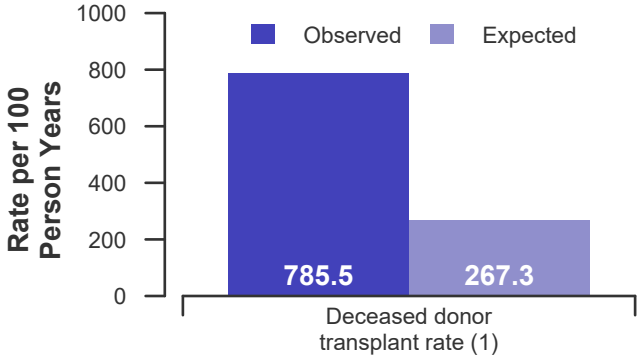



### Table A1. Census of transplant recipients

| Recipients | 07/01/2017-06/30/2018 | 07/01/2018-06/30/2019 |
|---|---|---|
| Transplanted at this center | 0 | 2 |
| Followed by this center* | 0 | 0 |
| ...transplanted at this program | 0 | 0 |
| ...transplanted elsewhere | 0 | 0 |

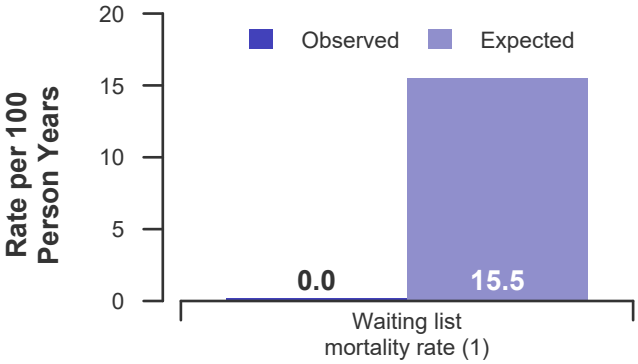
* Recipients followed are transplant recipients for whom the center has submitted a post-transplant follow-up form for a transplant that took place before the 12-month interval for each column.

### Figure A2. Transplant rates 07/01/2018 - 06/30/2019




(1) Not significantly different (p=0.298)

### Figure A3. Waiting list mortality rates 07/01/2018 - 06/30/2019




(1) Not significantly different (p=0.999)

### Figure A4. First-year adult graft and patient survival: 07/01/2016 - 12/31/2018

**This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018**

### Figure A5. First-year pediatric graft and patient survival: 07/01/2016 - 12/31/2018

**This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018**

# B. Waiting List Information

**Table B1. Waiting list activity summary: 07/01/2017 - 06/30/2019**

| Waiting List Registrations | Counts for this center | | Activity for 07/01/2018 to 06/30/2019 as percent of registrants on waiting list on 07/01/2018 | | |
|---|---|---|---|---|---|
| | 07/01/2017-06/30/2018 | 07/01/2018-06/30/2019 | This Center (%) | OPTN Region (%) | U.S. (%) |
| **On waiting list at start** | 0 | 0 | -- | -- | 100.0 |
| **Additions** | | | | | |
| New listings at this center | 0 | 2 | -- | -- | 125.0 |
| **Removals** | | | | | |
| Transferred to another center | 0 | 0 | -- | -- | 6.2 |
| Received living donor transplant* | 0 | 0 | -- | -- | 0.0 |
| Received deceased donor transplant* | 0 | 2 | -- | -- | 79.2 |
| Died | 0 | 0 | -- | -- | 10.4 |
| Transplanted at another center | 0 | 0 | -- | -- | 0.0 |
| Deteriorated | 0 | 0 | -- | -- | 14.6 |
| Recovered | 0 | 0 | -- | -- | 4.2 |
| Other reasons | 0 | 0 | -- | -- | 18.8 |
| **On waiting list at end of period** | 0 | 0 | -- | -- | 91.7 |

* These patients were removed from waiting list with removal code indicating transplant; this may not equal the number of transplants performed at this center during the specified period.

# B. Waiting List Information

**Table B2. Demographic characteristics of waiting list candidates**
**Candidates registered on the waiting list between 07/01/2018 and 06/30/2019**

| Demographic Characteristic | New Waiting List Registrations 07/01/2018 to 06/30/2019 (%) | | | All Waiting List Registrations on 06/30/2019 (%) | | |
|---|---|---|---|---|---|---|
| | This Center (N=2) | OPTN Region (N=3) | U.S. (N=60) | This Center (N=0) | OPTN Region (N=--) | U.S. (N=44) |
| **All (%)** | 100.0 | 100.0 | 100.0 | -- | -- | 100.0 |
| **Ethnicity/Race (%)*** | | | | | | |
| White | 50.0 | 66.7 | 48.3 | -- | -- | 50.0 |
| African-American | 0.0 | 0.0 | 23.3 | -- | -- | 15.9 |
| Hispanic/Latino | 50.0 | 33.3 | 16.7 | -- | -- | 27.3 |
| Asian | 0.0 | 0.0 | 11.7 | -- | -- | 6.8 |
| Other | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| Unknown | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| **Age (%)** | | | | | | |
| <2 years | 0.0 | 0.0 | 1.7 | -- | -- | 2.3 |
| 2-11 years | 0.0 | 0.0 | 6.7 | -- | -- | 4.5 |
| 12-17 years | 0.0 | 0.0 | 5.0 | -- | -- | 2.3 |
| 18-34 years | 50.0 | 33.3 | 20.0 | -- | -- | 29.5 |
| 35-49 years | 50.0 | 33.3 | 35.0 | -- | -- | 34.1 |
| 50-64 years | 0.0 | 33.3 | 30.0 | -- | -- | 25.0 |
| 65-69 years | 0.0 | 0.0 | 1.7 | -- | -- | 2.3 |
| 70+ years | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| **Gender (%)** | | | | | | |
| Male | 0.0 | 33.3 | 40.0 | -- | -- | 40.9 |
| Female | 100.0 | 66.7 | 60.0 | -- | -- | 59.1 |

* Race and ethnicity are reported together as a single data element, reflecting their data collection (either race or ethnicity is required, but not both). Patients formerly coded as white and Hispanic are coded as Hispanic. Race and ethnicity sum to 100%.

# B. Waiting List Information

**Table B3. Medical characteristics of waiting list candidates**
**Candidates registered on the waiting list between 07/01/2018 and 06/30/2019**

| Medical Characteristic | New Waiting List Registrations 07/01/2018 to 06/30/2019 (%) | | | All Waiting List Registrations on 06/30/2019 (%) | | |
|---|---|---|---|---|---|---|
| | This Center (N=2) | OPTN Region (N=3) | U.S. (N=60) | This Center (N=0) | OPTN Region (N=--) | U.S. (N=44) |
| **All (%)** | 100.0 | 100.0 | 100.0 | -- | -- | 100.0 |
| **Blood Type (%)** | | | | | | |
| O | 0.0 | 0.0 | 51.7 | -- | -- | 52.3 |
| A | 100.0 | 100.0 | 33.3 | -- | -- | 31.8 |
| B | 0.0 | 0.0 | 10.0 | -- | -- | 13.6 |
| AB | 0.0 | 0.0 | 5.0 | -- | -- | 2.3 |
| Unknown | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| **Previous Transplant (%)** | | | | | | |
| Yes | 0.0 | 0.0 | 1.7 | -- | -- | 4.5 |
| No | 100.0 | 100.0 | 98.3 | -- | -- | 95.5 |
| Unknown | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| **Primary Disease (%)** | | | | | | |
| Congenital Disease | 0.0 | 0.0 | 28.3 | -- | -- | 47.7 |
| Retransplant/Graft Failure | 0.0 | 0.0 | 1.7 | -- | -- | 2.3 |
| Idiopathic Pulmonary Arterial Hypertension | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| Cystic Fibrosis | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| Idiopathic Pulmonary Fibrosis | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| Emphysema/COPD | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |
| Other | 100.0 | 100.0 | 70.0 | -- | -- | 50.0 |
| Missing | 0.0 | 0.0 | 0.0 | -- | -- | 0.0 |

# B. Waiting List Information

**Table B4D. Deceased donor transplant rates: 07/01/2018 - 06/30/2019**

| Waiting List Registrations | This Center | OPO/DSA | Region | U.S. |
|---|---|---|---|---|
| **All Candidates** | | | | |
| Count on waiting list at start* | 0 | 0 | 0 | 48 |
| Person Years** | 0.3 | 0.4 | 0.4 | 44.7 |
| Removals for Transplant | 2 | 3 | 3 | 38 |
| **Adult (18+) Candidates** | | | | |
| Count on waiting list at start* | 0 | 0 | 0 | 47 |
| Person Years** | 0.3 | 0.4 | 0.4 | 42.3 |
| Removals for transpant | 2 | 3 | 3 | 35 |
| **Pediatric (<18) Candidates** | | | | |
| Count on waiting list at start* | -- | -- | -- | -- |
| Person Years** | -- | -- | -- | -- |
| Removals for transplant | -- | -- | -- | -- |

* Counts in this table may be lower than similar counts in other waiting list tables, such as Table B1. A small percentage (~1%) of patients are found to have died or been transplanted before being removed from the waiting list, so these patients are excluded if the event occurs prior to the start of the study period. Inactive time on the waiting list is included in the calculations for this table.

** Person years are calculated as days (converted to fractional years). The number of days from July 1 or from the date of first wait listing until death, transplant, removal from the waiting list or June 30.

**Figure B1D. Observed and expected deceased donor transplant rates: 07/01/2018 - 06/30/2019**

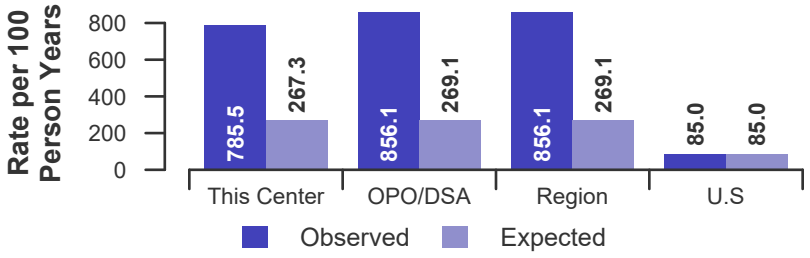



**Figure B3D. Observed adult (18+) and pediatric (<18) deceased donor transplant rates: 07/01/2018 - 06/30/2019**

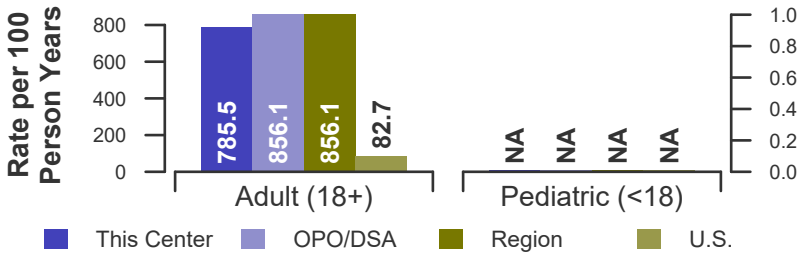
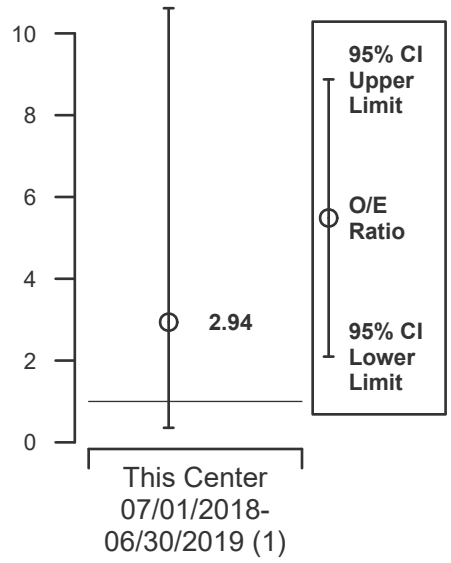



**Figure B2D. Ratio of observed to expected deceased donor**




(1) Not significantly different (p=0.298, 95% CI=[0.36, 10.62])

# B. Waiting List Information

**Table B5. Waiting list mortality rates: 07/01/2018 - 06/30/2019**

| Waiting List Registrations | This Center | OPO/DSA | Region | U.S. |
|---|---|---|---|---|
| **All Candidates** | | | | |
| Count on waiting list at start* | 0 | 0 | 0 | 48 |
| Person Years** | 0.3 | 0.4 | 0.4 | 51.5 |
| Number of deaths | 0 | 0 | 0 | 10 |
| **Adult (18+) Candidates** | | | | |
| Count on waiting list at start* | 0 | 0 | 0 | 47 |
| Person Years** | 0.3 | 0.4 | 0.4 | 49.2 |
| Number of deaths | 0 | 0 | 0 | 8 |
| **Pediatric (<18) Candidates** | | | | |
| Count on waiting list at start* | -- | -- | -- | -- |
| Person Years** | -- | -- | -- | -- |
| Number of deaths | -- | -- | -- | -- |

* Counts in this table may be lower than similar counts in other waiting list tables, such as Table B1. A small percentage (~1%) of patients are found to have died or been transplanted before being removed from the waiting list, so these patients are excluded if the event occurs prior to the start of the study period. Inactive time on the waiting list is included in the calculations for this table.

** Person years are calculated as days (converted to fractional years). The number of days from July 1 or from the date of first wait listing until death, transplant, 60 days after recovery, transfer or June 30.

**Figure B4. Observed and expected waiting list mortality rates: 07/01/2018 - 06/30/2019**

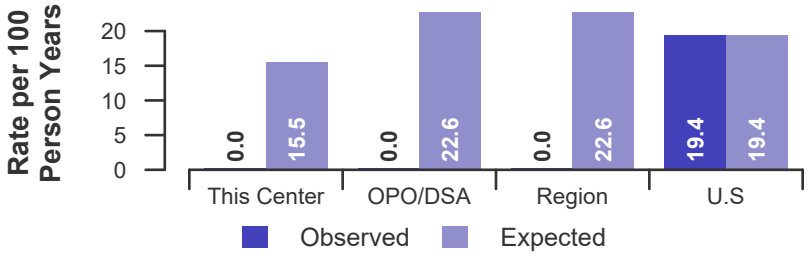
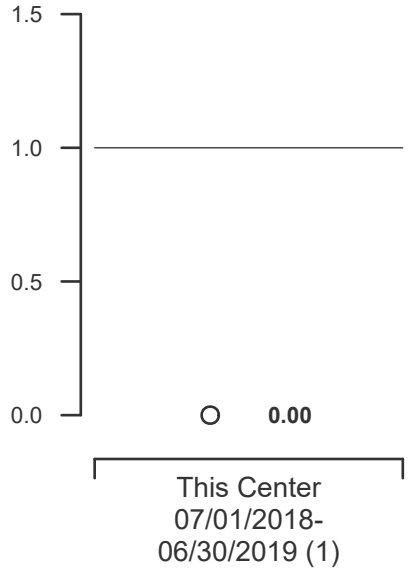
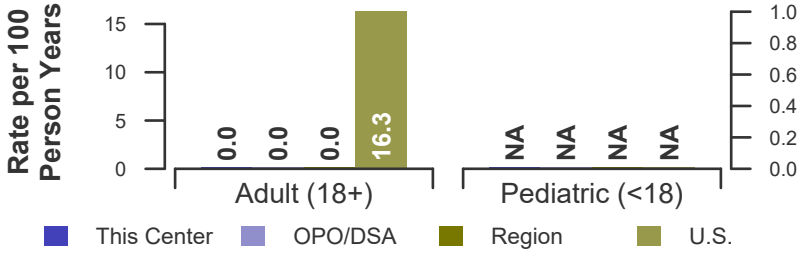



**Figure B5. Ratio of observed to expected waiting list mortality rates**




(1) Not significantly different (p=0.999)

**Figure B6. Observed adult (18+) and pediatric (<18) waiting list mortality rates: 07/01/2018 - 06/30/2019**



# B. Waiting List Information

**Table B6. Waiting list candidate status after listing**
**Candidates registered on waiting list between 01/01/2017 and 12/31/2017**

**This center did not register any waiting list candidates relevant to this table during 01/01/2017-12/31/2017**

# B. Waiting List Information

**Table B7. Percent of candidates with deceased donor transplants: demographic characteristics**
**Candidates registered on the waiting list between 07/01/2013 and 06/30/2016**

**This center did not register any waiting list candidates relevant to this table during 07/01/2013-06/30/2016**

# B. Waiting List Information

**Table B8. Percent of candidates with deceased donor transplants: medical characteristics**
**Candidates registered on the waiting list between 07/01/2013 and 06/30/2016**

**This center did not register any waiting list candidates relevant to this table during 07/01/2013-06/30/2016**

# B. Waiting List Information

**Table B9. Time to transplant for waiting list candidates***
**Candidates registered on the waiting list between 07/01/2013 and 12/31/2018**

**This center did not register any waiting list candidates relevant to this table during 07/01/2013-12/31/2018**

# C. Transplant Information

**Table C1D. Deceased donor transplant recipient demographic characteristics**
**Patients transplanted between 07/01/2018 and 06/30/2019**

| Characteristic | Percentage in each category | | |
|---|---|---|---|
| | Center (N=2) | Region (N=3) | U.S. (N=38) |
| **Ethnicity/Race (%)*** | | | |
| White | 50.0 | 66.7 | 52.6 |
| African-American | 0.0 | 0.0 | 28.9 |
| Hispanic/Latino | 50.0 | 33.3 | 10.5 |
| Asian | 0.0 | 0.0 | 7.9 |
| Other | 0.0 | 0.0 | 0.0 |
| Unknown | 0.0 | 0.0 | 0.0 |
| **Age (%)** | | | |
| <2 years | 0.0 | 0.0 | 0.0 |
| 2-11 years | 0.0 | 0.0 | 2.6 |
| 12-17 | 0.0 | 0.0 | 5.3 |
| 18-34 | 50.0 | 33.3 | 18.4 |
| 35-49 years | 50.0 | 33.3 | 36.8 |
| 50-64 years | 0.0 | 33.3 | 31.6 |
| 65-69 years | 0.0 | 0.0 | 5.3 |
| 70+ years | 0.0 | 0.0 | 0.0 |
| **Gender (%)** | | | |
| Male | 0.0 | 33.3 | 44.7 |
| Female | 100.0 | 66.7 | 55.3 |

* Race and ethnicity are reported together as a single data element, reflecting their data collection (either race or ethnicity is required, but not both). Patients formerly coded as white and Hispanic are coded as Hispanic. Race and ethnicity sum to 100%.

# C. Transplant Information

**Table C2D. Deceased donor transplant recipient medical characteristics**
**Patients transplanted between 07/01/2018 and 06/30/2019**

| Characteristic | Percentage in each category | | |
|---|---|---|---|
| | Center (N=2) | Region (N=3) | U.S. (N=38) |
| **Blood Type (%)** | | | |
| O | 0.0 | 0.0 | 42.1 |
| A | 100.0 | 100.0 | 31.6 |
| B | 0.0 | 0.0 | 15.8 |
| AB | 0.0 | 0.0 | 10.5 |
| **Previous Transplant (%)** | | | |
| Yes | 0.0 | 0.0 | 0.0 |
| No | 100.0 | 100.0 | 100.0 |
| **Body Mass Index (%)** | | | |
| 0-20 | 100.0 | 66.7 | 34.2 |
| 21-25 | 0.0 | 0.0 | 31.6 |
| 26-30 | 0.0 | 33.3 | 26.3 |
| 31-35 | 0.0 | 0.0 | 7.9 |
| 36-40 | 0.0 | 0.0 | 0.0 |
| 41+ | 0.0 | 0.0 | 0.0 |
| Unknown | 0.0 | 0.0 | 0.0 |
| **Primary Disease (%)** | | | |
| Congenital Disease | 0.0 | 0.0 | 13.2 |
| Retransplant/Graft Failure | 0.0 | 0.0 | 0.0 |
| Idiopathic Pulmonary Arterial Hypertension | 50.0 | 33.3 | 44.7 |
| Cystic Fibrosis | 0.0 | 0.0 | 0.0 |
| Idiopathic Pulmonary Fibrosis | 50.0 | 66.7 | 21.1 |
| Emphysema/COPD | 0.0 | 0.0 | 2.6 |
| Other | 0.0 | 0.0 | 18.4 |
| Missing | 0.0 | 0.0 | 0.0 |
| **Recipient Medical Condition at Transplant (%)** | | | |
| Not Hospitalized | 0.0 | 0.0 | 36.8 |
| Hospitalized | 50.0 | 33.3 | 13.2 |
| ICU | 50.0 | 66.7 | 50.0 |
| Unknown | 0.0 | 0.0 | 0.0 |

# C. Transplant Information

**Table C3D. Deceased donor characteristics**
**Transplants performed between 07/01/2018 and 06/30/2019**

| Donor Characteristic | Percentage in each category | | |
|---|---|---|---|
| | Center (N=2) | Region (N=3) | U.S. (N=38) |
| **Cause of Death (%)** | | | |
| Deceased: Stroke | 50.0 | 33.3 | 23.7 |
| Deceased: MVA | 0.0 | 0.0 | 18.4 |
| Deceased: Other | 50.0 | 66.7 | 57.9 |
| **Ethnicity/Race (%)*** | | | |
| White | 50.0 | 66.7 | 65.8 |
| African-American | 0.0 | 0.0 | 10.5 |
| Hispanic/Latino | 50.0 | 33.3 | 13.2 |
| Asian | 0.0 | 0.0 | 7.9 |
| Other | 0.0 | 0.0 | 2.6 |
| Not Reported | 0.0 | 0.0 | 0.0 |
| **Age (%)** | | | |
| <2 years | 0.0 | 0.0 | 2.6 |
| 2-11 years | 0.0 | 0.0 | 2.6 |
| 12-17 | 0.0 | 0.0 | 7.9 |
| 18-34 | 100.0 | 66.7 | 50.0 |
| 35-49 years | 0.0 | 33.3 | 26.3 |
| 50-64 years | 0.0 | 0.0 | 10.5 |
| 65-69 years | 0.0 | 0.0 | 0.0 |
| 70+ years | 0.0 | 0.0 | 0.0 |
| **Gender (%)** | | | |
| Male | 0.0 | 0.0 | 57.9 |
| Female | 100.0 | 100.0 | 42.1 |
| **Blood Type (%)** | | | |
| O | 0.0 | 0.0 | 57.9 |
| A | 100.0 | 100.0 | 26.3 |
| B | 0.0 | 0.0 | 10.5 |
| AB | 0.0 | 0.0 | 5.3 |
| Unknown | 0.0 | 0.0 | 0.0 |

* Race and ethnicity are reported together as a single data element, reflecting their data collection (either race or ethnicity is required, but not both). Patients formerly coded as white and Hispanic are coded as Hispanic. Race and ethnicity sum to 100%.

# C. Transplant Information

**Table C4D. Deceased donor transplant characteristics**
**Transplants performed between 07/01/2018 and 06/30/2019**

| Transplant Characteristic | Percentage in each category | | |
|---|---|---|---|
| | Center (N=2) | Region (N=3) | U.S. (N=38) |
| **Total Ischemic Time (Minutes): Local (%)** | | | |
| Deceased: 0-90 min | -- | -- | 0.0 |
| Deceased: 91-180 min | -- | -- | 27.8 |
| Deceased: 181-270 min | -- | -- | 55.6 |
| Deceased: 271-360 min | -- | -- | 16.7 |
| Deceased: 361+ min | -- | -- | 0.0 |
| Not Reported | -- | -- | 0.0 |
| **Total Ischemic Time (Minutes): Shared (%)** | | | |
| Deceased: 0-90 min | 0.0 | 0.0 | 0.0 |
| Deceased: 91-180 min | 0.0 | 0.0 | 5.0 |
| Deceased: 181-270 min | 50.0 | 66.7 | 60.0 |
| Deceased: 271-360 min | 50.0 | 33.3 | 35.0 |
| Deceased: 361+ min | 0.0 | 0.0 | 0.0 |
| Not Reported | 0.0 | 0.0 | 0.0 |
| **Sharing (%)** | | | |
| Local | 0.0 | 0.0 | 47.4 |
| Shared | 100.0 | 100.0 | 52.6 |
| **Median Time in Hospital After Transplant*** | 9.5 Days | 11.0 Days | 30.5 Days |

* Heart-lung transplants only. Other multiple organ transplants are excluded from this statistic.

# C. Transplant Information

**Table C5D. Adult (18+) 1-month survival with a functioning deceased donor graft**
**Simultaneous heart-lung transplants performed between 07/01/2016 and 12/31/2018**
**Deaths and retransplants are considered graft failures**

This center did not perform any transplants relevant to this table during 07/01/2016-12/31/2018

**Figure C1D. Adult (18+) 1-month deceased donor graft failure HR estimate**

This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

**Figure C2D. Adult (18+) 1-month deceased donor graft failure HR program comparison**

This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

# C. Transplant Information

**Table C6D. Adult (18+) 1-year survival with a functioning deceased donor graft**
**Simultaneous heart-lung transplants performed between 07/01/2016 and 12/31/2018**
**Deaths and retransplants are considered graft failures**

This center did not perform any transplants relevant to this table during 07/01/2016-12/31/2018

**Figure C3D. Adult (18+) 1-year deceased donor graft failure HR estimate**

This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

**Figure C4D. Adult (18+) 1-year deceased donor graft failure HR program comparison**

This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

# C. Transplant Information

**Table C7D. Adult (18+) 3-year survival with a functioning deceased donor graft**
**Simultaneous heart-lung transplants performed between 01/01/2014 and 06/30/2016**
**Deaths and retransplants are considered graft failures**

This center did not perform any transplants relevant to this table during 01/01/2014-06/30/2016

**Figure C5D. Adult (18+) 3-year deceased donor graft failure HR estimate**

This center did not perform any transplants relevant to this figure during 01/01/2014-06/30/2016

**Figure C6D. Adult (18+) 3-year deceased donor graft failure HR program comparison**

This center did not perform any transplants relevant to this figure during 01/01/2014-06/30/2016

# C. Transplant Information

**Table C8D. Pediatric (<18) 1-month survival with a functioning deceased donor graft**
**Simultaneous heart-lung transplants performed between 07/01/2016 and 12/31/2018**
**Deaths and retransplants are considered graft failures**

Pediatric data is not reported

**Figure C7D. Pediatric (<18) 1-month deceased donor graft failure HR estimate**

Pediatric data is not reported

**Figure C8D. Pediatric (<18) 1-month deceased donor graft failure HR program comparison**

Pediatric data is not reported

# C. Transplant Information

**Table C9D. Pediatric (<18) 1-year survival with a functioning deceased donor graft**
**Simultaneous heart-lung transplants performed between 07/01/2016 and 12/31/2018**
**Deaths and retransplants are considered graft failures**

Pediatric data is not reported

**Figure C9D. Pediatric (<18) 1-year deceased donor graft failure HR estimate**

Pediatric data is not reported

**Figure C10D. Pediatric (<18) 1-year deceased donor graft failure HR program comparison**

Pediatric data is not reported

# C. Transplant Information

**Table C10D. Pediatric (<18) 3-year survival with a functioning deceased donor graft**
**Simultaneous heart-lung transplants performed between 01/01/2014 and 06/30/2016**
**Deaths and retransplants are considered graft failures**

Pediatric data is not reported

**Figure C11D. Pediatric (<18) 3-year deceased donor graft failure HR estimate**

Pediatric data is not reported

**Figure C12D. Pediatric (<18) 3-year deceased donor graft failure HR program comparison**

Pediatric data is not reported

# C. Transplant Information

**Table C11D. Adult (18+) 1-month patient survival (deceased donor graft recipients)**
**Simultaneous heart-lung transplants performed between 07/01/2016 and 12/31/2018**
**Retransplants excluded**

This center did not perform any transplants relevant to this table during 07/01/2016-12/31/2018

**Figure C13D. Adult (18+) 1-month patient death HR estimate (deceased donor grafts)**

This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

**Figure C14D. Adult (18+) 1-month patient death HR program comparison (deceased donor grafts)**

This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

# C. Transplant Information

**Table C12D. Adult (18+) 1-year patient survival (deceased donor graft recipients)**
**Simultaneous heart-lung transplants performed between 07/01/2016 and 12/31/2018**
**Retransplants excluded**

This center did not perform any transplants relevant to this table during 07/01/2016-12/31/2018

**Figure C15D. Adult (18+) 1-year patient death HR estimate (deceased donor grafts)**

This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

**Figure C16D. Adult (18+) 1-year patient death HR program comparison (deceased donor grafts)**

This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

# C. Transplant Information

**Table C13D. Adult (18+) 3-year patient survival (deceased donor graft recipients)**
**Simultaneous heart-lung transplants performed between 01/01/2014 and 06/30/2016**
**Retransplants excluded**

This center did not perform any transplants relevant to this table during 01/01/2014-06/30/2016

**Figure C17D. Adult (18+) 3-year patient death HR estimate (deceased donor grafts)**

This center did not perform any transplants relevant to this figure during 01/01/2014-06/30/2016

**Figure C18D. Adult (18+) 3-year patient death HR program comparison (deceased donor grafts)**

This center did not perform any transplants relevant to this figure during 01/01/2014-06/30/2016

# C. Transplant Information

**Table C14D. Pediatric (<18) 1-month patient survival (deceased donor graft recipients)**
**Simultaneous heart-lung transplants performed between 07/01/2016 and 12/31/2018**
**Retransplants excluded**

Pediatric data is not reported

**Figure C19D. Pediatric (<18) 1-month patient death HR estimate (deceased donor grafts)**

Pediatric data is not reported

**Figure C20D. Pediatric (<18) 1-month patient death HR program comparison (deceased donor grafts)**

Pediatric data is not reported

# C. Transplant Information

**Table C15D. Pediatric (<18) 1-year patient survival (deceased donor graft recipients)**
**Simultaneous heart-lung transplants performed between 07/01/2016 and 12/31/2018**
**Retransplants excluded**

Pediatric data is not reported

**Figure C21D. Pediatric (<18) 1-year patient death HR estimate (deceased donor grafts)**

Pediatric data is not reported

**Figure C22D. Pediatric (<18) 1-year patient death HR program comparison (deceased donor grafts)**

Pediatric data is not reported

# C. Transplant Information

**Table C16D. Pediatric (<18) 3-year patient survival (deceased donor graft recipients)**
**Simultaneous heart-lung transplants performed between 01/01/2014 and 06/30/2016**
**Retransplants excluded**

Pediatric data is not reported

**Figure C23D. Pediatric (<18) 3-year patient death HR estimate (deceased donor grafts)**

Pediatric data is not reported

**Figure C24D. Pediatric (<18) 3-year patient death HR program comparison (deceased donor grafts)**

Pediatric data is not reported