The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
User Guide

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

Table 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.

Table D1 shows the rates of follow-up for living donors.

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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<td>Living donor characteristics</td>
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<td>Deceased donor transplant characteristics</td>
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</tr>
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<td>Living donor transplant characteristics</td>
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<td>23</td>
</tr>
<tr>
<td>Patient survival</td>
<td>41</td>
</tr>
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<td>59</td>
</tr>
<tr>
<td>Multi-organ transplant patient survival</td>
<td>59</td>
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<td></td>
</tr>
<tr>
<td>Living donor follow-up summary</td>
<td>60</td>
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The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
A. Program Summary

Table A1. Census of transplant recipients

<table>
<thead>
<tr>
<th>Recipients</th>
<th>07/01/2017-06/30/2018</th>
<th>07/01/2018-06/30/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transplanted at this center</td>
<td>106</td>
<td>134</td>
</tr>
<tr>
<td>Followed by this center*</td>
<td>458</td>
<td>519</td>
</tr>
<tr>
<td>...transplanted at this program</td>
<td>430</td>
<td>488</td>
</tr>
<tr>
<td>...transplanted elsewhere</td>
<td>28</td>
<td>31</td>
</tr>
</tbody>
</table>

* 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 A1. Waiting list and transplant activity

<table>
<thead>
<tr>
<th>Category</th>
<th>Observed</th>
<th>Expected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total on waiting list*</td>
<td>44</td>
<td>37</td>
</tr>
<tr>
<td>Active on waiting list*</td>
<td>40</td>
<td>36</td>
</tr>
<tr>
<td>New additions to the waiting list</td>
<td>109</td>
<td>106</td>
</tr>
<tr>
<td>Total transplants</td>
<td>155</td>
<td>154</td>
</tr>
<tr>
<td>Deceased donor transplants</td>
<td>106</td>
<td>106</td>
</tr>
<tr>
<td>Living donor transplants</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

* At the end of the 12-month period

Figure A2. Transplant rates 07/01/2017 - 06/30/2019

- Total transplant rate: 241.5 per 100 person years
- Deceased donor transplant rate: 88.4 per 100 person years

Figure A3. Waiting list mortality rates 07/01/2017 - 06/30/2019

- Waiting list mortality rate: 20.7 per 100 person years

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

- Graft Failures: 21.51 per 100 transplants
- Patient Deaths: 16.21 per 100 transplants

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

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
### B. Waiting List Information

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

<table>
<thead>
<tr>
<th>Waiting List Registrations</th>
<th>Counts for this center</th>
<th>Activity for 07/01/2018 to 06/30/2019 as percent of registrants on waiting list on 07/01/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07/01/2017-06/30/2018</td>
<td>07/01/2018-06/30/2019</td>
</tr>
<tr>
<td><strong>On waiting list at start</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Additions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>New listings at this center</td>
</tr>
<tr>
<td><strong>Removals</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transferred to another center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Received living donor transplant*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Received deceased donor transplant*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Died</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transplanted at another center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Deteriorated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Recovered</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other reasons</td>
</tr>
<tr>
<td><strong>On waiting list at end of period</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Demographic Characteristic</th>
<th>New Waiting List Registrations</th>
<th>All Waiting List Registrations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07/01/2018 to 06/30/2019 (%)</td>
<td>06/30/2019 (%)</td>
</tr>
<tr>
<td></td>
<td>This Center (N=155)</td>
<td>OPTN Region (N=2,118)</td>
</tr>
<tr>
<td></td>
<td>U.S. (N=13,078)</td>
<td>This Center (N=37)</td>
</tr>
<tr>
<td></td>
<td>U.S. (N=13,297)</td>
<td>U.S. (N=13,297)</td>
</tr>
<tr>
<td>All (%)</td>
<td>100.0</td>
<td>100.0</td>
</tr>
<tr>
<td>Ethnicity/Race (%)*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>52.3</td>
<td>48.0</td>
</tr>
<tr>
<td>African-American</td>
<td>2.6</td>
<td>2.9</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>36.1</td>
<td>36.1</td>
</tr>
<tr>
<td>Asian</td>
<td>1.9</td>
<td>10.2</td>
</tr>
<tr>
<td>Other</td>
<td>7.1</td>
<td>2.8</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Age (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;2 years</td>
<td>0.0</td>
<td>3.9</td>
</tr>
<tr>
<td>2-11 years</td>
<td>0.0</td>
<td>2.1</td>
</tr>
<tr>
<td>12-17 years</td>
<td>0.0</td>
<td>1.2</td>
</tr>
<tr>
<td>18-34 years</td>
<td>4.5</td>
<td>5.8</td>
</tr>
<tr>
<td>35-49 years</td>
<td>16.1</td>
<td>16.2</td>
</tr>
<tr>
<td>50-64 years</td>
<td>55.5</td>
<td>49.7</td>
</tr>
<tr>
<td>65-69 years</td>
<td>16.1</td>
<td>16.1</td>
</tr>
<tr>
<td>70+ years</td>
<td>7.7</td>
<td>4.9</td>
</tr>
<tr>
<td>Gender (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>60.6</td>
<td>59.4</td>
</tr>
<tr>
<td>Female</td>
<td>39.4</td>
<td>40.6</td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Medical Characteristic</th>
<th>New Waiting List Registrations</th>
<th>All Waiting List Registrations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07/01/2018 to 06/30/2019 (%)</td>
<td>06/30/2019 (%)</td>
</tr>
<tr>
<td></td>
<td>This Center (N=155)</td>
<td>OPTN Region (N=2,118)</td>
</tr>
<tr>
<td></td>
<td>Optn Region (N=37)</td>
<td>U.S. (N=2,723)</td>
</tr>
<tr>
<td>All (%)</td>
<td>100.0</td>
<td>100.0</td>
</tr>
<tr>
<td>Blood Type (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>51.6</td>
<td>49.5</td>
</tr>
<tr>
<td>A</td>
<td>33.5</td>
<td>32.8</td>
</tr>
<tr>
<td>B</td>
<td>11.6</td>
<td>13.1</td>
</tr>
<tr>
<td>AB</td>
<td>3.2</td>
<td>4.6</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Previous Transplant (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>6.5</td>
<td>4.9</td>
</tr>
<tr>
<td>No</td>
<td>93.5</td>
<td>95.1</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Primary Disease (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Hepatic Necrosis</td>
<td>3.2</td>
<td>5.1</td>
</tr>
<tr>
<td>Non-Cholestatic Cirrhosis</td>
<td>67.7</td>
<td>65.8</td>
</tr>
<tr>
<td>Cholestatic Liver Disease/Cirrhosis</td>
<td>1.9</td>
<td>6.0</td>
</tr>
<tr>
<td>Biliary Atresia</td>
<td>0.0</td>
<td>2.8</td>
</tr>
<tr>
<td>Metabolic Diseases</td>
<td>1.3</td>
<td>2.5</td>
</tr>
<tr>
<td>Malignant Neoplasms</td>
<td>25.2</td>
<td>12.4</td>
</tr>
<tr>
<td>Other</td>
<td>0.6</td>
<td>5.2</td>
</tr>
<tr>
<td>Missing</td>
<td>0.0</td>
<td>0.3</td>
</tr>
<tr>
<td>Medical Urgency Status/MELD/PELD at Listing (%)*</td>
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<td></td>
</tr>
<tr>
<td>Status 1A</td>
<td>3.2</td>
<td>4.4</td>
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<tr>
<td>Status 1B</td>
<td>0.0</td>
<td>0.5</td>
</tr>
<tr>
<td>Status 2A</td>
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<td>0.0</td>
</tr>
<tr>
<td>Status 2B</td>
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</tr>
<tr>
<td>Status 3</td>
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<tr>
<td>MELD 6-10</td>
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<td>19.5</td>
</tr>
<tr>
<td>MELD 11-14</td>
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<td>18.1</td>
</tr>
<tr>
<td>MELD 15-20</td>
<td>17.4</td>
<td>17.8</td>
</tr>
<tr>
<td>MELD 21-30</td>
<td>22.6</td>
<td>16.2</td>
</tr>
<tr>
<td>MELD 31-40</td>
<td>24.5</td>
<td>14.8</td>
</tr>
<tr>
<td>PELD less than or equal to 10</td>
<td>0.0</td>
<td>2.6</td>
</tr>
<tr>
<td>PELD 11-14</td>
<td>0.0</td>
<td>0.2</td>
</tr>
<tr>
<td>PELD 15-20</td>
<td>0.0</td>
<td>0.6</td>
</tr>
<tr>
<td>PELD 21-30</td>
<td>0.0</td>
<td>0.5</td>
</tr>
<tr>
<td>PELD 31 or greater</td>
<td>0.0</td>
<td>0.2</td>
</tr>
<tr>
<td>Temporarily Inactive</td>
<td>0.0</td>
<td>4.5</td>
</tr>
</tbody>
</table>

* MELD/PELD score based on laboratory measures is shown for listings beginning 2/27/2002 unless patient is Status 1 or Temporarily Inactive. MELD/PELD scores based on exception rules are not used. Status 1 separated into 1A and 1B in August 2005.
B. Waiting List Information

Table B4. Transplant rates: 07/01/2017 - 06/30/2019

<table>
<thead>
<tr>
<th>Waiting List Registrations</th>
<th>This Center</th>
<th>OPO/DSA</th>
<th>Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>74</td>
<td>221</td>
<td>3,017</td>
<td>14,609</td>
</tr>
<tr>
<td>Person Years**</td>
<td>99.4</td>
<td>394.6</td>
<td>5,725.5</td>
<td>27,909.4</td>
</tr>
<tr>
<td>Removals for Transplant</td>
<td>240</td>
<td>568</td>
<td>2,620</td>
<td>16,709</td>
</tr>
<tr>
<td>Adult (18+)Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>74</td>
<td>215</td>
<td>2,896</td>
<td>14,044</td>
</tr>
<tr>
<td>Person Years**</td>
<td>99.4</td>
<td>381.3</td>
<td>5,484.2</td>
<td>26,858.2</td>
</tr>
<tr>
<td>Removals for transplant</td>
<td>240</td>
<td>552</td>
<td>2,392</td>
<td>15,524</td>
</tr>
<tr>
<td>Pediatric (&lt;18)Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Person Years**</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Removals for transplant</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

* 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 B1. Observed and expected transplant rates:
07/01/2017 - 06/30/2019

Figure B2. Transplant rate ratio estimate

Figure B3. Observed adult (18+) and pediatric (<18) transplant rates: 07/01/2017 - 06/30/2019
B. Waiting List Information

Table B4D. Deceased donor transplant rates: 07/01/2017 - 06/30/2019

<table>
<thead>
<tr>
<th>Waiting List Registrations</th>
<th>This Center</th>
<th>OPO/DSA</th>
<th>Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>74</td>
<td>221</td>
<td>3,017</td>
<td>14,609</td>
</tr>
<tr>
<td>Person Years**</td>
<td>99.4</td>
<td>394.6</td>
<td>5,725.5</td>
<td>27,909.4</td>
</tr>
<tr>
<td>Removals for Transplant</td>
<td>240</td>
<td>567</td>
<td>2,513</td>
<td>15,877</td>
</tr>
<tr>
<td>Adult (18+) Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>74</td>
<td>215</td>
<td>2,896</td>
<td>14,044</td>
</tr>
<tr>
<td>Person Years**</td>
<td>99.4</td>
<td>381.3</td>
<td>5,484.2</td>
<td>26,858.2</td>
</tr>
<tr>
<td>Removals for transplant</td>
<td>240</td>
<td>551</td>
<td>2,300</td>
<td>14,819</td>
</tr>
<tr>
<td>Pediatric (&lt;18) Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Person Years**</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Removals for transplant</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

* 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.

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
B. Waiting List Information

Table B5. Waiting list mortality rates: 07/01/2017 - 06/30/2019

<table>
<thead>
<tr>
<th>Waiting List Registrations</th>
<th>This Center</th>
<th>OPO/DSA</th>
<th>Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>74</td>
<td>221</td>
<td>3,017</td>
<td>14,609</td>
</tr>
<tr>
<td>Person Years**</td>
<td>120.9</td>
<td>464.5</td>
<td>6,514.6</td>
<td>32,169.8</td>
</tr>
<tr>
<td>Number of deaths</td>
<td>25</td>
<td>51</td>
<td>651</td>
<td>3,824</td>
</tr>
<tr>
<td>Adult (18+) Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>74</td>
<td>215</td>
<td>2,896</td>
<td>14,044</td>
</tr>
<tr>
<td>Person Years**</td>
<td>120.9</td>
<td>443.5</td>
<td>6,253.5</td>
<td>31,017.3</td>
</tr>
<tr>
<td>Number of deaths</td>
<td>25</td>
<td>49</td>
<td>628</td>
<td>3,757</td>
</tr>
<tr>
<td>Pediatric (&lt;18) Candidates</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count on waiting list at start*</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Person Years**</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Number of deaths</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

* 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.

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
## 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

<table>
<thead>
<tr>
<th>Waiting list status (survival status)</th>
<th>This Center (N=108) Months Since Listing</th>
<th>U.S. (N=12,947) Months Since Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>Alive on waiting list (%)</td>
<td>28.7</td>
<td>6.5</td>
</tr>
<tr>
<td>Died on the waiting list without transplant (%)</td>
<td>7.4</td>
<td>7.4</td>
</tr>
<tr>
<td>Removed without transplant (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Condition worsened (status unknown)</td>
<td>6.5</td>
<td>6.5</td>
</tr>
<tr>
<td>Condition improved (status unknown)</td>
<td>1.9</td>
<td>1.9</td>
</tr>
<tr>
<td>Refused transplant (status unknown)</td>
<td>0.9</td>
<td>0.9</td>
</tr>
<tr>
<td>Other</td>
<td>1.9</td>
<td>1.9</td>
</tr>
<tr>
<td>Transplant (living donor from waiting list only) (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functioning (alive)</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Failed-Retransplanted (alive)</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Failed-alive not retransplanted</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Died</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Other</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Status Yet Unknown**</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Transplant (deceased donor) (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functioning (alive)</td>
<td>46.3</td>
<td>57.4</td>
</tr>
<tr>
<td>Failed-Retransplanted (alive)</td>
<td>0.9</td>
<td>3.7</td>
</tr>
<tr>
<td>Failed-alive not retransplanted</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Died</td>
<td>3.7</td>
<td>6.5</td>
</tr>
<tr>
<td>Status Yet Unknown*</td>
<td>0.0</td>
<td>5.6</td>
</tr>
<tr>
<td>Lost or Transferred (status unknown) (%)</td>
<td>1.9</td>
<td>1.9</td>
</tr>
<tr>
<td>TOTAL (%)</td>
<td>100.0</td>
<td>100.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Total % known died on waiting list or after transplant</th>
<th>Total % known died or removed as unstable</th>
<th>Total % removed for transplant</th>
<th>Total % with known functioning transplant (alive)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11.1</td>
<td>13.9</td>
<td>14.8</td>
<td>6.5</td>
</tr>
<tr>
<td></td>
<td>17.6</td>
<td>20.4</td>
<td>21.3</td>
<td>11.0</td>
</tr>
<tr>
<td></td>
<td>50.9</td>
<td>73.1</td>
<td>75.0</td>
<td>39.8</td>
</tr>
<tr>
<td></td>
<td>46.3</td>
<td>57.4</td>
<td>45.4</td>
<td>35.9</td>
</tr>
</tbody>
</table>

* Follow-up form covering specified time period not yet completed, and possibly has not become due.
## B. Waiting List Information

Table B6S1. Medical urgency status 1 candidate status after listing
Candidates registered on the waiting list between 01/01/2017 and 12/31/2017

<table>
<thead>
<tr>
<th>Waiting list status (survival status)</th>
<th>This Center (N=7)</th>
<th>U.S. (N=445)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Months Since listing</td>
<td>Months Since listing</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>Alive on waiting list (%)</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Died on the waiting list without transplant (%)</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Removed without transplant (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Condition worsened (status unknown)</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Condition improved (status unknown)</td>
<td>28.6</td>
<td>28.6</td>
</tr>
<tr>
<td>Refused transplant (status unknown)</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Other</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Transplant (living donor from waiting list only) (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functioning (alive)</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Failed-Retransplanted (alive)</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Failed-alive not retransplanted</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Died</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Status Yet Unknown**</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Transplant (deceased donor) (%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functioning (alive)</td>
<td>57.1</td>
<td>42.9</td>
</tr>
<tr>
<td>Failed-Retransplanted (alive)</td>
<td>14.3</td>
<td>14.3</td>
</tr>
<tr>
<td>Failed-alive not retransplanted</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Died</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Status Yet Unknown*</td>
<td>0.0</td>
<td>14.3</td>
</tr>
<tr>
<td>Lost or Transferred (status unknown)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**TOTAL (%)**

<table>
<thead>
<tr>
<th></th>
<th>100.0</th>
<th>100.0</th>
<th>100.0</th>
<th>100.0</th>
<th>100.0</th>
<th>100.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total % known died on waiting list or after transplant</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>12.1</td>
<td>13.5</td>
<td>13.5</td>
</tr>
<tr>
<td>Total % known died or removed as unstable</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>17.5</td>
<td>18.9</td>
<td>18.9</td>
</tr>
<tr>
<td>Total % removed for transplant</td>
<td>71.4</td>
<td>71.4</td>
<td>71.4</td>
<td>65.2</td>
<td>65.4</td>
<td>65.4</td>
</tr>
<tr>
<td>Total % with known functioning transplant (alive)</td>
<td>57.1</td>
<td>42.9</td>
<td>42.9</td>
<td>56.6</td>
<td>51.0</td>
<td>40.0</td>
</tr>
</tbody>
</table>

* Follow-up form covering specified time period not yet completed, and possibly has not become due.
## 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

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Percent transplanted at time periods since listing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This Center</td>
</tr>
<tr>
<td></td>
<td>N  30 day 1 year 2 years 3 years</td>
</tr>
<tr>
<td>All</td>
<td>261   19.2 41.4 54.4 55.6 35,521 17.7 45.2 53.0 54.9</td>
</tr>
<tr>
<td>Ethnicity/Race*</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>144   16.0 38.2 52.1 54.2 24,197 17.4 45.9 53.3 55.1</td>
</tr>
<tr>
<td>African-American</td>
<td>14    28.6 42.9 57.1 57.1 3,480 21.8 50.2 57.7 59.7</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>68    22.1 47.1 60.3 60.3 5,593 16.9 40.8 49.3 51.4</td>
</tr>
<tr>
<td>Asian</td>
<td>12    16.7 50.0 58.3 58.3 1,731 15.6 40.0 51.8 54.1</td>
</tr>
<tr>
<td>Other</td>
<td>23    26.1 39.1 47.8 47.8 520 17.5 44.0 52.5 54.2</td>
</tr>
<tr>
<td>Unknown</td>
<td>0     --   --   --   --   0     --   --   --   --</td>
</tr>
<tr>
<td>Age</td>
<td></td>
</tr>
<tr>
<td>&lt;2 years</td>
<td>0     --   --   --   --   865   24.3 70.4 75.4 76.6</td>
</tr>
<tr>
<td>2-11 years</td>
<td>0     --   --   --   --   717   25.2 67.5 72.5 73.8</td>
</tr>
<tr>
<td>12-17 years</td>
<td>0     --   --   --   --   438   21.9 54.3 64.4 66.2</td>
</tr>
<tr>
<td>18-34 years</td>
<td>15    33.3 40.0 46.7 53.3 1,957 26.6 48.4 54.3 56.8</td>
</tr>
<tr>
<td>35-49 years</td>
<td>36    33.3 55.6 61.1 61.1 5,448 24.3 47.3 53.3 55.1</td>
</tr>
<tr>
<td>50-64 years</td>
<td>177   16.9 41.8 55.4 56.5 20,147 15.7 43.4 51.9 53.9</td>
</tr>
<tr>
<td>65-69 years</td>
<td>31    6.5   22.6 45.2 45.2 4,880 13.3 41.0 50.2 51.8</td>
</tr>
<tr>
<td>70+ years</td>
<td>2     50.0 50.0 50.0 50.0 1,069 12.3 41.4 48.6 48.7</td>
</tr>
<tr>
<td>Gender</td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>170   18.2 44.1 59.4 61.2 22,582 17.3 46.3 54.6 56.4</td>
</tr>
<tr>
<td>Female</td>
<td>91    20.9 36.3 45.1 45.1 12,939 18.3 43.2 50.3 52.3</td>
</tr>
</tbody>
</table>

* 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 B8. Percent of candidates with deceased donor transplants: medical characteristics

Candidates registered on the waiting list between 07/01/2013 and 06/30/2016

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>This Center</th>
<th>United States</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>30 day</td>
</tr>
<tr>
<td><strong>All</strong></td>
<td>261</td>
<td>19.2</td>
</tr>
<tr>
<td><strong>Blood Type</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>148</td>
<td>17.6</td>
</tr>
<tr>
<td>A</td>
<td>75</td>
<td>22.7</td>
</tr>
<tr>
<td>B</td>
<td>33</td>
<td>15.2</td>
</tr>
<tr>
<td>AB</td>
<td>5</td>
<td>40.0</td>
</tr>
<tr>
<td><strong>Previous Transplant</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>14</td>
<td>28.6</td>
</tr>
<tr>
<td>No</td>
<td>247</td>
<td>18.6</td>
</tr>
<tr>
<td><strong>Primary Disease</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Hepatic Necrosis</td>
<td>5</td>
<td>40.0</td>
</tr>
<tr>
<td>Non-Cholestatic Cirrhosis</td>
<td>142</td>
<td>23.9</td>
</tr>
<tr>
<td>Cholestatic Liver Disease/Cirrhosis</td>
<td>10</td>
<td>30.0</td>
</tr>
<tr>
<td>Biliary Atresia</td>
<td>1</td>
<td>0.0</td>
</tr>
<tr>
<td>Metabolic Diseases</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>Malignant Neoplasms</td>
<td>92</td>
<td>6.5</td>
</tr>
<tr>
<td>Other</td>
<td>11</td>
<td>45.5</td>
</tr>
<tr>
<td>Missing</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td><strong>Medical Urgency Status/MELD/PELD at Listing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Status 1</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>Status 1A</td>
<td>11</td>
<td>54.5</td>
</tr>
<tr>
<td>Status 1B</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>Status 2A</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>Status 2B</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>Status 3</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>MELD 6-10</td>
<td>52</td>
<td>0.0</td>
</tr>
<tr>
<td>MELD 11-14</td>
<td>35</td>
<td>0.0</td>
</tr>
<tr>
<td>MELD 15-20</td>
<td>50</td>
<td>2.0</td>
</tr>
<tr>
<td>MELD 21-30</td>
<td>47</td>
<td>14.9</td>
</tr>
<tr>
<td>MELD 31-40</td>
<td>66</td>
<td>54.5</td>
</tr>
<tr>
<td>PELD less than or equal to 10</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>PELD 11-14</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>PELD 15-20</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>PELD 21-30</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>PELD 31 or greater</td>
<td>0</td>
<td>--</td>
</tr>
<tr>
<td>Temporarily Inactive</td>
<td>0</td>
<td>--</td>
</tr>
</tbody>
</table>

* MELD/PELD score based on laboratory measures is shown for listings beginning 2/27/2002 unless patient is Status 1 or Temporarily Inactive. MELD/PELD scores based on exception rules are not used. Status 1 separated into 1A and 1B in August 2005.

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
## 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

<table>
<thead>
<tr>
<th>Percentile</th>
<th>Center</th>
<th>OPO/DSA</th>
<th>Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5th</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.2</td>
</tr>
<tr>
<td>10th</td>
<td>0.2</td>
<td>0.2</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td>25th</td>
<td>0.6</td>
<td>0.9</td>
<td>2.6</td>
<td>1.9</td>
</tr>
<tr>
<td>50th (median time to transplant)</td>
<td>6.8</td>
<td>5.3</td>
<td>18.8</td>
<td>10.7</td>
</tr>
<tr>
<td>75th</td>
<td>Not Observed</td>
<td>Not Observed</td>
<td>Not Observed</td>
<td>Not Observed</td>
</tr>
</tbody>
</table>

* If cells contain "Not Observed" fewer than that percentile of patients had received a transplant. For example, the 50th percentile of time to transplant is the time when 50% of candidates have received transplants. If waiting times are long, then the 50th percentile may not be observed during the follow-up period for this table. Also, if more than 50% of candidates are removed from the list due to death or other reasons before receiving transplants, then the 50th percentile of time to transplant will not be observed.

** Censored on 06/30/2019. Calculated as the months after listing, during which the corresponding percent of all patients initially listed had received a transplant.
### B. Waiting List Information

#### Table B10. Offer Acceptance Practices: 07/01/2018 - 06/30/2019

<table>
<thead>
<tr>
<th>Offers Acceptance Characteristics</th>
<th>This Center</th>
<th>OPO/DSA</th>
<th>Region</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Overall</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Offers</td>
<td>857</td>
<td>2,551</td>
<td>44,640</td>
<td>159,899</td>
</tr>
<tr>
<td>Number of Acceptances</td>
<td>130</td>
<td>279</td>
<td>1,111</td>
<td>7,258</td>
</tr>
<tr>
<td>Expected Acceptances</td>
<td>67.1</td>
<td>150.7</td>
<td>1,225.2</td>
<td>7,255.2</td>
</tr>
<tr>
<td>Offer Acceptance Ratio*</td>
<td>1.91</td>
<td>1.84</td>
<td>0.91</td>
<td>1.00</td>
</tr>
<tr>
<td>95% Credible Interval**</td>
<td>[1.60, 2.25]</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>PHS increased infectious risk</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Offers</td>
<td>293</td>
<td>728</td>
<td>11,239</td>
<td>39,142</td>
</tr>
<tr>
<td>Number of Acceptances</td>
<td>41</td>
<td>72</td>
<td>287</td>
<td>2,073</td>
</tr>
<tr>
<td>Expected Acceptances</td>
<td>24.5</td>
<td>47.8</td>
<td>322.6</td>
<td>2,072.3</td>
</tr>
<tr>
<td>Offer Acceptance Ratio*</td>
<td>1.62</td>
<td>1.49</td>
<td>0.89</td>
<td>1.00</td>
</tr>
<tr>
<td>95% Credible Interval**</td>
<td>[1.17, 2.14]</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>DCD donor</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Offers</td>
<td>192</td>
<td>525</td>
<td>10,740</td>
<td>37,177</td>
</tr>
<tr>
<td>Number of Acceptances</td>
<td>37</td>
<td>75</td>
<td>111</td>
<td>587</td>
</tr>
<tr>
<td>Expected Acceptances</td>
<td>5.9</td>
<td>11.1</td>
<td>108.0</td>
<td>594.5</td>
</tr>
<tr>
<td>Offer Acceptance Ratio*</td>
<td>4.91</td>
<td>5.88</td>
<td>1.03</td>
<td>0.99</td>
</tr>
<tr>
<td>95% Credible Interval**</td>
<td>[3.49, 6.57]</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>HCV+ donor</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Offers</td>
<td>104</td>
<td>132</td>
<td>1,424</td>
<td>6,060</td>
</tr>
<tr>
<td>Number of Acceptances</td>
<td>10</td>
<td>13</td>
<td>41</td>
<td>412</td>
</tr>
<tr>
<td>Expected Acceptances</td>
<td>9.4</td>
<td>9.6</td>
<td>42.6</td>
<td>411.6</td>
</tr>
<tr>
<td>Offer Acceptance Ratio*</td>
<td>1.05</td>
<td>1.29</td>
<td>0.96</td>
<td>1.00</td>
</tr>
<tr>
<td>95% Credible Interval**</td>
<td>[0.55, 1.73]</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>Hard-to-Place Livers (Over 50 Offers)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Offers</td>
<td>423</td>
<td>1,510</td>
<td>29,826</td>
<td>87,459</td>
</tr>
<tr>
<td>Number of Acceptances</td>
<td>51</td>
<td>115</td>
<td>188</td>
<td>566</td>
</tr>
<tr>
<td>Expected Acceptances</td>
<td>2.8</td>
<td>9.4</td>
<td>205.5</td>
<td>572.4</td>
</tr>
<tr>
<td>Offer Acceptance Ratio*</td>
<td>11.08</td>
<td>10.22</td>
<td>0.92</td>
<td>0.99</td>
</tr>
<tr>
<td>95% Credible Interval**</td>
<td>[8.30, 14.26]</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>Donor more than 500 miles away</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Offers</td>
<td>255</td>
<td>847</td>
<td>10,359</td>
<td>45,589</td>
</tr>
<tr>
<td>Number of Acceptances</td>
<td>30</td>
<td>74</td>
<td>184</td>
<td>705</td>
</tr>
<tr>
<td>Expected Acceptances</td>
<td>10.5</td>
<td>24.5</td>
<td>159.2</td>
<td>650.4</td>
</tr>
<tr>
<td>Offer Acceptance Ratio*</td>
<td>2.56</td>
<td>2.87</td>
<td>1.15</td>
<td>1.08</td>
</tr>
<tr>
<td>95% Credible Interval**</td>
<td>[1.75, 3.52]</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

* The offer acceptance ratio estimates the relative offer acceptance practice of Banner-University Medical Center Phoenix (AZGS) compared to the national offer acceptance practice. A ratio above one indicates the program is more likely to accept an offer compared to national offer acceptance practices (e.g., an offer acceptance ratio of 1.25 indicates a 25% more likely to accept an offer), while a ratio below one indicates the program is less likely to accept an offer compared to national offer acceptance practices (e.g., an offer acceptance ratio of 0.75 indicates a 25% less likely to accept an offer).

** As an example, the 95% Credible Interval for the overall offer acceptance ratio, [1.60, 2.25], indicates the location of AZGS's true offer acceptance ratio with 95% probability. The best estimate is 91% more likely to accept an offer compared to national acceptance behavior, but AZGS's performance could plausibly range from 60% higher acceptance up to 125% higher acceptance.

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
B. Waiting List Information

Figure B7. Offer acceptance: Overall

Figure B8. Offer acceptance: PHS increased infectious risk

Figure B9. Offer acceptance: DCD Donor

Figure B10. Offer acceptance: HCV+ Donor

Figure B11. Offer acceptance: Offer number > 50

Figure B12. Offer acceptance: Donor more than 500 miles away

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
### Table C1D. Deceased donor transplant recipient demographic characteristics

Patients transplanted between 07/01/2018 and 06/30/2019

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Percentage in each category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Center (N=134)</td>
</tr>
<tr>
<td><strong>Ethnicity/Race (%)</strong></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>53.7</td>
</tr>
<tr>
<td>African-American</td>
<td>3.0</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>35.1</td>
</tr>
<tr>
<td>Asian</td>
<td>3.0</td>
</tr>
<tr>
<td>Other</td>
<td>5.2</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Age (%)</strong></td>
<td></td>
</tr>
<tr>
<td>&lt;2 years</td>
<td>0.0</td>
</tr>
<tr>
<td>2-11 years</td>
<td>0.0</td>
</tr>
<tr>
<td>12-17</td>
<td>0.0</td>
</tr>
<tr>
<td>18-34</td>
<td>5.2</td>
</tr>
<tr>
<td>35-49 years</td>
<td>16.4</td>
</tr>
<tr>
<td>50-64 years</td>
<td>54.5</td>
</tr>
<tr>
<td>65-69 years</td>
<td>15.7</td>
</tr>
<tr>
<td>70+ years</td>
<td>8.2</td>
</tr>
<tr>
<td><strong>Gender (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>55.2</td>
</tr>
<tr>
<td>Female</td>
<td>44.8</td>
</tr>
</tbody>
</table>

* 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 C1L. Living donor transplant recipient demographic characteristics
Patients transplanted between 07/01/2018 and 06/30/2019

This center did not perform any transplants relevant to this table during 07/01/2018-06/30/2019
## C. Transplant Information

### Table C2D. Deceased donor transplant recipient medical characteristics

Patients transplanted between 07/01/2018 and 06/30/2019

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Percentage in each category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Center (N=134)</td>
</tr>
<tr>
<td><strong>Blood Type (%)</strong></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>44.0</td>
</tr>
<tr>
<td>A</td>
<td>38.1</td>
</tr>
<tr>
<td>B</td>
<td>14.2</td>
</tr>
<tr>
<td>AB</td>
<td>3.7</td>
</tr>
<tr>
<td><strong>Previous Transplant (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>4.5</td>
</tr>
<tr>
<td>No</td>
<td>95.5</td>
</tr>
<tr>
<td><strong>Body Mass Index (%)</strong></td>
<td></td>
</tr>
<tr>
<td>0-20</td>
<td>8.2</td>
</tr>
<tr>
<td>21-25</td>
<td>24.6</td>
</tr>
<tr>
<td>26-30</td>
<td>32.1</td>
</tr>
<tr>
<td>31-35</td>
<td>19.4</td>
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<tr>
<td>36-40</td>
<td>13.4</td>
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<tr>
<td>41+</td>
<td>2.2</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Primary Disease (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Acute Hepatic Necrosis</td>
<td>2.2</td>
</tr>
<tr>
<td>Non-Cholestatic Cirrhosis</td>
<td>67.9</td>
</tr>
<tr>
<td>Cholestatic Liver Disease/Cirrhosis</td>
<td>3.0</td>
</tr>
<tr>
<td>Biliary Atresia</td>
<td>0.0</td>
</tr>
<tr>
<td>Metabolic Diseases</td>
<td>1.5</td>
</tr>
<tr>
<td>Malignant Neoplasms</td>
<td>24.6</td>
</tr>
<tr>
<td>Other</td>
<td>0.7</td>
</tr>
<tr>
<td>Missing</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Medical Urgency Statut/MELD/PELD at Transplant (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Status 1A</td>
<td>1.5</td>
</tr>
<tr>
<td>Status 1B</td>
<td>0.0</td>
</tr>
<tr>
<td>MELD 6-10</td>
<td>18.7</td>
</tr>
<tr>
<td>MELD 11-14</td>
<td>14.9</td>
</tr>
<tr>
<td>MELD 15-20</td>
<td>17.9</td>
</tr>
<tr>
<td>MELD 21-30</td>
<td>17.2</td>
</tr>
<tr>
<td>MELD 31-40</td>
<td>29.9</td>
</tr>
<tr>
<td>PELD less than or equal to 10</td>
<td>0.0</td>
</tr>
<tr>
<td>PELD 11-14</td>
<td>0.0</td>
</tr>
<tr>
<td>PELD 15-20</td>
<td>0.0</td>
</tr>
<tr>
<td>PELD 21-30</td>
<td>0.0</td>
</tr>
<tr>
<td>PELD 31 or greater</td>
<td>0.0</td>
</tr>
<tr>
<td>Temporarily Inactive</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Recipient Medical Condition at Transplant (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Not Hospitalized</td>
<td>56.7</td>
</tr>
<tr>
<td>Hospitalized</td>
<td>39.6</td>
</tr>
<tr>
<td>ICU</td>
<td>3.7</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.0</td>
</tr>
</tbody>
</table>

* MELD/PELD score based on laboratory measures at the time of transplant is shown unless recipient is Status 1 or Temporarily Inactive. MELD/PELD scores based on exception rules are not used. Status 1 separated into 1A and 1B in August 2005

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
C. Transplant Information

Table C2L. Living donor transplant recipient medical characteristics
Patients transplanted between 07/01/2018 and 06/30/2019

This center did not perform any transplants relevant to this table during 07/01/2018-06/30/2019
## C. Transplant Information

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

<table>
<thead>
<tr>
<th>Donor Characteristic</th>
<th>Percentage in each category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Center (N=134)</td>
</tr>
<tr>
<td><strong>Cause of Death (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Deceased: Stroke</td>
<td>26.1</td>
</tr>
<tr>
<td>Deceased: MVA</td>
<td>14.2</td>
</tr>
<tr>
<td>Deceased: Other</td>
<td>59.7</td>
</tr>
<tr>
<td><strong>Ethnicity/Race (%)</strong>*</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>56.7</td>
</tr>
<tr>
<td>African-American</td>
<td>6.0</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>29.9</td>
</tr>
<tr>
<td>Asian</td>
<td>5.2</td>
</tr>
<tr>
<td>Other</td>
<td>2.2</td>
</tr>
<tr>
<td>Not Reported</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Age (%)</strong></td>
<td></td>
</tr>
<tr>
<td>&lt;2 years</td>
<td>0.0</td>
</tr>
<tr>
<td>2-11 years</td>
<td>0.0</td>
</tr>
<tr>
<td>12-17</td>
<td>1.5</td>
</tr>
<tr>
<td>18-34</td>
<td>38.1</td>
</tr>
<tr>
<td>35-49 years</td>
<td>26.1</td>
</tr>
<tr>
<td>50-64 years</td>
<td>30.6</td>
</tr>
<tr>
<td>65-69 years</td>
<td>3.7</td>
</tr>
<tr>
<td>70+ years</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Gender (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>62.7</td>
</tr>
<tr>
<td>Female</td>
<td>37.3</td>
</tr>
<tr>
<td><strong>Blood Type (%)</strong></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>50.7</td>
</tr>
<tr>
<td>A</td>
<td>37.3</td>
</tr>
<tr>
<td>B</td>
<td>10.4</td>
</tr>
<tr>
<td>AB</td>
<td>1.5</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.0</td>
</tr>
</tbody>
</table>

* 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 C3L. Living donor characteristics
Transplants performed between 07/01/2018 and 06/30/2019

This center did not perform any transplants relevant to this table during 07/01/2018-06/30/2019
Table C4D. Deceased donor transplant characteristics
Transplants performed between 07/01/2018 and 06/30/2019

<table>
<thead>
<tr>
<th>Transplant Characteristic</th>
<th>Percentage in each category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Center (N=134)</td>
</tr>
<tr>
<td><strong>Cold Ischemic Time (Hours): Local (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Deceased: 0-5 hr</td>
<td>92.2%</td>
</tr>
<tr>
<td>Deceased: 6-10 hr</td>
<td>7.8%</td>
</tr>
<tr>
<td>Deceased: 11-15 hr</td>
<td>0.0%</td>
</tr>
<tr>
<td>Deceased: 16-20 hr</td>
<td>0.0%</td>
</tr>
<tr>
<td>Deceased: 21+ hr</td>
<td>0.0%</td>
</tr>
<tr>
<td>Not Reported</td>
<td>0.0%</td>
</tr>
<tr>
<td><strong>Cold Ischemic Time (Hours): Shared (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Deceased: 0-5 hr</td>
<td>67.5%</td>
</tr>
<tr>
<td>Deceased: 6-10 hr</td>
<td>31.3%</td>
</tr>
<tr>
<td>Deceased: 11-15 hr</td>
<td>1.2%</td>
</tr>
<tr>
<td>Deceased: 16-20 hr</td>
<td>0.0%</td>
</tr>
<tr>
<td>Deceased: 21+ hr</td>
<td>0.0%</td>
</tr>
<tr>
<td>Not Reported</td>
<td>0.0%</td>
</tr>
<tr>
<td><strong>Procedure Type (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Liver alone</td>
<td>97.0%</td>
</tr>
<tr>
<td>Liver and another organ</td>
<td>3.0%</td>
</tr>
<tr>
<td><strong>Sharing (%)</strong></td>
<td></td>
</tr>
<tr>
<td>Local</td>
<td>38.1%</td>
</tr>
<tr>
<td>Shared</td>
<td>61.9%</td>
</tr>
<tr>
<td><strong>Median Time in Hospital After Transplant</strong></td>
<td>9.0 Days</td>
</tr>
</tbody>
</table>

* Multiple organ transplants are excluded from this statistic.
C. Transplant Information

Table C4L. Living donor transplant characteristics
Transplants performed between 07/01/2018 and 06/30/2019

This center did not perform any transplants relevant to this table during 07/01/2018-06/30/2019
C. Transplant Information

Table C5. Adult (18+) 1-month survival with a functioning graft
Single organ transplants performed between 07/01/2016 and 12/31/2018
Deaths and retransplants are considered graft failures

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>240</td>
<td>16,923</td>
</tr>
<tr>
<td>Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)</td>
<td>97.08%</td>
<td>96.31%</td>
</tr>
<tr>
<td>Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)</td>
<td>96.06%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed graft failures (including deaths) during the first month after transplant</td>
<td>7</td>
<td>624</td>
</tr>
<tr>
<td>Number of expected graft failures (including deaths) during the first month after transplant</td>
<td>9.58</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>0.78</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.36, 1.36]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)’s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected graft failure rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS’s graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.36, 1.36], indicates the location of AZGS’s true hazard ratio with 95% probability. The best estimate is 22% lower risk of graft failure compared to an average program, but AZGS’s performance could plausibly range from 64% reduced risk up to 36% increased risk.

Figure C1. Adult (18+) 1-month graft failure HR estimate

Figure C2. Adult (18+) 1-month graft failure HR program comparison

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
C. Transplant Information

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

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>240</td>
<td>16,151</td>
</tr>
<tr>
<td>Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)</td>
<td>97.08%</td>
<td>96.29%</td>
</tr>
<tr>
<td>Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)</td>
<td>96.06%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed graft failures (including deaths) during the first month after transplant</td>
<td>7</td>
<td>599</td>
</tr>
<tr>
<td>Number of expected graft failures (including deaths) during the first month after transplant</td>
<td>9.58</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>0.78</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.36, 1.36]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected graft failure rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.36, 1.36], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 22% lower risk of graft failure compared to an average program, but AZGS's performance could plausibly range from 64% reduced risk up to 36% increased risk.

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

![Figure C1D](image1)

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

![Figure C2D](image2)
C. Transplant Information

Table C5L. Adult (18+) 1-month survival with a functioning living donor graft
Single organ 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 C1L. Adult (18+) 1-month living donor graft failure HR estimate

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

Figure C2L. Adult (18+) 1-month living 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 C6. Adult (18+) 1-year survival with a functioning graft

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>240</td>
<td>16,923</td>
</tr>
<tr>
<td>Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)</td>
<td>88.53%</td>
<td>91.36%</td>
</tr>
<tr>
<td>Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)</td>
<td>90.46%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed graft failures (including deaths) during the first year after transplant</td>
<td>25</td>
<td>1,391</td>
</tr>
<tr>
<td>Number of expected graft failures (including deaths) during the first year after transplant</td>
<td>21.51</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>1.15</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.76, 1.62]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected graft failure rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.76, 1.62], indicates the location of AZGS’s true hazard ratio with 95% probability. The best estimate is 15% higher risk of graft failure compared to an average program, but AZGS’s performance could plausibly range from 24% reduced risk up to 62% increased risk.

### Figure C3. Adult (18+) 1-year graft failure HR estimate

![Figure C3](image)

### Figure C4. Adult (18+) 1-year graft failure HR program comparison

![Figure C4](image)
C. Transplant Information

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

<table>
<thead>
<tr>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>240</td>
</tr>
<tr>
<td>Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)</td>
<td>88.53%</td>
</tr>
<tr>
<td>Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)</td>
<td>90.46%</td>
</tr>
<tr>
<td>Number of observed graft failures (including deaths) during the first year after transplant</td>
<td>25</td>
</tr>
<tr>
<td>Number of expected graft failures (including deaths) during the first year after transplant</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>1.15</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.76, 1.62]</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected graft failure rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.76, 1.62], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 15% higher risk of graft failure compared to an average program, but AZGS's performance could plausibly range from 24% reduced risk up to 62% increased risk.
### C. Transplant Information

#### Table C6L. Adult (18+) 1-year survival with a functioning living donor graft

Single organ 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 C3L. Adult (18+) 1-year living donor graft failure HR estimate

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

#### Figure C4L. Adult (18+) 1-year living 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 C7. Adult (18+) 3-year survival with a functioning graft

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>122</td>
<td>14,626</td>
</tr>
<tr>
<td>Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)</td>
<td>79.51%</td>
<td>84.16%</td>
</tr>
<tr>
<td>Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)</td>
<td>84.02%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed graft failures (including deaths) during the first 3 years after transplant</td>
<td>25</td>
<td>2,317</td>
</tr>
<tr>
<td>Number of expected graft failures (including deaths) during the first 3 years after transplant</td>
<td>18.85</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>1.29</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.85, 1.83]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected graft failure rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.85, 1.83], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 29% higher risk of graft failure compared to an average program, but AZGS's performance could plausibly range from 15% reduced risk up to 83% increased risk.

---

**Figure C5. Adult (18+) 3-year graft failure HR estimate**

![Figure C5: Estimated Hazard Ratio (HR) vs Program Volume](image)

**Figure C6. Adult (18+) 3-year graft failure HR program comparison**

![Figure C6: Program Volume vs Estimated Hazard Ratio (HR)](image)
C. Transplant Information

Table C7D. Adult (18+) 3-year survival with a functioning deceased donor graft

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>122</td>
<td>13,978</td>
</tr>
<tr>
<td>Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)</td>
<td>79.51%</td>
<td>84.20%</td>
</tr>
<tr>
<td>Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)</td>
<td>84.02%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed graft failures (including deaths) during the first 3 years after transplant</td>
<td>25</td>
<td>2,209</td>
</tr>
<tr>
<td>Number of expected graft failures (including deaths) during the first 3 years after transplant</td>
<td>18.85</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>1.29</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.85, 1.83]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected graft failure rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.85, 1.83], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 29% higher risk of graft failure compared to an average program, but AZGS's performance could plausibly range from 15% reduced risk up to 83% increased risk.

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

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

Table C7L. Adult (18+) 3-year survival with a functioning living donor graft
Single organ 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 C5L. Adult (18+) 3-year living donor graft failure HR estimate
This center did not perform any transplants relevant to this figure during 01/01/2014-06/30/2016

Figure C6L. Adult (18+) 3-year living 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 C8. Pediatric (<18) 1-month survival with a functioning graft
Single organ 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 C7. Pediatric (<18) 1-month graft failure HR estimate
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

Figure C8. Pediatric (<18) 1-month 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 C8D. Pediatric (<18) 1-month survival with a functioning deceased donor graft
Single organ 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 C7D. Pediatric (<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 C8D. Pediatric (<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 C8L. Pediatric (<18) 1-month survival with a functioning living donor graft
Single organ 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 C7L. Pediatric (<18) 1-month living donor graft failure
HR estimate

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

Figure C8L. Pediatric (<18) 1-month living 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 C9. Pediatric (<18) 1-year survival with a functioning graft
Single organ 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 C9. Pediatric (<18) 1-year graft failure HR estimate

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

Figure C10. Pediatric (<18) 1-year 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 C9D. Pediatric (<18) 1-year survival with a functioning deceased donor graft
Single organ 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 C9D. Pediatric (<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 C10D. Pediatric (<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 C9L. Pediatric (<18) 1-year survival with a functioning living donor graft
Single organ 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 C9L. Pediatric (<18) 1-year living donor graft failure HR estimate

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

Figure C10L. Pediatric (<18) 1-year living donor graft failure HR program comparison

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

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
C. Transplant Information

Table C10. Pediatric (<18) 3-year survival with a functioning graft
Single organ 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 C11. Pediatric (<18) 3-year graft failure HR estimate

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

Figure C12. Pediatric (<18) 3-year 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 C10D. Pediatric (<18) 3-year survival with a functioning deceased donor graft
Single organ 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 C11D. Pediatric (<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 C12D. Pediatric (<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

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
C. Transplant Information

Table C10L. Pediatric (<18) 3-year survival with a functioning living donor graft
Single organ 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 C11L. Pediatric (<18) 3-year living donor graft failure HR estimate
This center did not perform any transplants relevant to this figure during 01/01/2014-06/30/2016

Figure C12L. Pediatric (<18) 3-year living 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 C11. Adult (18+) 1-month patient survival
Single organ transplants performed between 07/01/2016 and 12/31/2018
Retransplants excluded

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>229</td>
<td>16,277</td>
</tr>
<tr>
<td>Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)</td>
<td>98.69%</td>
<td>97.59%</td>
</tr>
<tr>
<td>Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)</td>
<td>97.39%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed deaths during the first month after transplant</td>
<td>3</td>
<td>393</td>
</tr>
<tr>
<td>Number of expected deaths during the first month after transplant</td>
<td>6.05</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>0.62</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.20, 1.27]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected patient death rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.20, 1.27], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 38% lower risk of patient death compared to an average program, but AZGS's performance could plausibly range from 80% reduced risk up to 27% increased risk.

Figure C13. Adult (18+) 1-month patient death HR estimate

![Estimated Hazard Ratio (HR)]

Figure C14. Adult (18+) 1-month patient death HR program comparison

![Program Volume Transplants Performed 07/01/2016 - 12/31/2018]

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
### C. Transplant Information

#### Table C11D. Adult (18+) 1-month patient survival (deceased donor graft recipients)

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>229</td>
<td>15,513</td>
</tr>
<tr>
<td>Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)</td>
<td>98.69%</td>
<td>97.53%</td>
</tr>
<tr>
<td>Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)</td>
<td>97.39%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed deaths during the first month after transplant</td>
<td>3</td>
<td>383</td>
</tr>
<tr>
<td>Number of expected deaths during the first month after transplant</td>
<td>6.05</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>0.62</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.20, 1.27]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)’s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected patient death rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS’s patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.20, 1.27], indicates the location of AZGS’s true hazard ratio with 95% probability. The best estimate is 38% lower risk of patient death compared to an average program, but AZGS’s performance could plausibly range from 80% reduced risk up to 27% increased risk.

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

![Estimated Hazard Ratio (HR)](image)

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

![Program Volume Comparison](image)

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
C. Transplant Information

Table C11L. Adult (18+) 1-month patient survival (living donor graft recipients)
Single organ 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 C13L. Adult (18+) 1-month patient death HR estimate (living donor grafts)
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

Figure C14L. Adult (18+) 1-month patient death HR program comparison (living donor grafts)
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018
Table C12. Adult (18+) 1-year patient survival
Single organ transplants performed between 07/01/2016 and 12/31/2018
Retransplants excluded

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>229</td>
<td>16,277</td>
</tr>
<tr>
<td>Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)</td>
<td>91.03%</td>
<td>93.22%</td>
</tr>
<tr>
<td>Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)</td>
<td>92.45%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed deaths during the first year after transplant</td>
<td>18</td>
<td>1,040</td>
</tr>
<tr>
<td>Number of expected deaths during the first year after transplant</td>
<td>16.21</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>1.10</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.67, 1.63]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected patient death rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.67, 1.63], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 10% higher risk of patient death compared to an average program, but AZGS's performance could plausibly range from 33% reduced risk up to 63% increased risk.

Figure C15. Adult (18+) 1-year patient death HR estimate

Figure C16. Adult (18+) 1-year patient death HR program comparison

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
C. Transplant Information

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

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>229</td>
<td>15,513</td>
</tr>
<tr>
<td>Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)</td>
<td>91.03%</td>
<td>93.08%</td>
</tr>
<tr>
<td>Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)</td>
<td>92.45%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed deaths during the first year after transplant</td>
<td>18</td>
<td>1,013</td>
</tr>
<tr>
<td>Number of expected deaths during the first year after transplant</td>
<td>16.21</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>1.10</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.67, 1.63]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected patient death rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.67, 1.63], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 10% higher risk of patient death compared to an average program, but AZGS's performance could plausibly range from 33% reduced risk up to 63% increased risk.

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

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

Table C12L. Adult (18+) 1-year patient survival (living donor graft recipients)
Single organ 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 C15L. Adult (18+) 1-year patient death HR estimate (living donor grafts)
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

Figure C16L. Adult (18+) 1-year patient death HR program comparison (living donor grafts)
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018
### C. Transplant Information

**Table C13. Adult (18+) 3-year patient survival**

Single organ transplants performed between 01/01/2014 and 06/30/2016
Retransplants excluded

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>116</td>
<td>14,007</td>
</tr>
<tr>
<td>Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)</td>
<td>81.90%</td>
<td>86.47%</td>
</tr>
<tr>
<td>Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)</td>
<td>85.90%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed deaths during the first 3 years after transplant</td>
<td>21</td>
<td>1,895</td>
</tr>
<tr>
<td>Number of expected deaths during the first 3 years after transplant</td>
<td>16.09</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>1.27</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.81, 1.84]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected patient death rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.81, 1.84], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 27% higher risk of patient death compared to an average program, but AZGS's performance could plausibly range from 19% reduced risk up to 84% increased risk.

**Figure C17. Adult (18+) 3-year patient death HR estimate**

![Estimated Hazard Ratio (HR) for AZGS](#)

**Figure C18. Adult (18+) 3-year patient death HR program comparison**

![Program Volume: Transplants Performed 01/01/2014 - 06/30/2016](#)

* The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
Table C13D. Adult (18+) 3-year patient survival (deceased donor graft recipients)
Single organ transplants performed between 01/01/2014 and 06/30/2016
Retransplants excluded

<table>
<thead>
<tr>
<th></th>
<th>AZGS</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of transplants evaluated</td>
<td>116</td>
<td>13,365</td>
</tr>
<tr>
<td>Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)</td>
<td>81.90%</td>
<td>86.38%</td>
</tr>
<tr>
<td>Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)</td>
<td>85.90%</td>
<td>--</td>
</tr>
<tr>
<td>Number of observed deaths during the first 3 years after transplant</td>
<td>21</td>
<td>1,820</td>
</tr>
<tr>
<td>Number of expected deaths during the first 3 years after transplant</td>
<td>16.09</td>
<td>--</td>
</tr>
<tr>
<td>Estimated hazard ratio*</td>
<td>1.27</td>
<td>--</td>
</tr>
<tr>
<td>95% credible interval for the hazard ratio**</td>
<td>[0.81, 1.84]</td>
<td>--</td>
</tr>
</tbody>
</table>

* The hazard ratio provides an estimate of how Banner-University Medical Center Phoenix (AZGS)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would indicate 50% higher risk), and a ratio below 1 indicates lower than expected patient death rates (e.g., a hazard ratio of 0.75 would indicate 25% lower risk). If AZGS's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.81, 1.84], indicates the location of AZGS's true hazard ratio with 95% probability. The best estimate is 27% higher risk of patient death compared to an average program, but AZGS's performance could plausibly range from 19% reduced risk up to 84% increased risk.
C. Transplant Information

Table C13L. Adult (18+) 3-year patient survival (living donor graft recipients)
Single organ 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 C17L. Adult (18+) 3-year patient death HR estimate (living donor grafts)

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

Figure C18L. Adult (18+) 3-year patient death HR program comparison (living donor grafts)

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

Table C14. Pediatric (<18) 1-month patient survival
Single organ 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 C19. Pediatric (<18) 1-month patient death HR estimate

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

Figure C20. Pediatric (<18) 1-month patient death 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 C14D. Pediatric (<18) 1-month patient survival (deceased donor graft recipients)
Single organ 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 C19D. Pediatric (<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 C20D. Pediatric (<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 C14L. Pediatric (<18) 1-month patient survival (living donor graft recipients)
Single organ 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 C19L. Pediatric (<18) 1-month patient death HR estimate (living donor grafts)
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

Figure C20L. Pediatric (<18) 1-month patient death HR program comparison (living donor grafts)
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
C. Transplant Information

Table C15. Pediatric (<18) 1-year patient survival
Single organ 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 C21. Pediatric (<18) 1-year patient death HR estimate

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

Figure C22. Pediatric (<18) 1-year patient death 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 C15D. Pediatric (<18) 1-year patient survival (deceased donor graft recipients)
Single organ 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 C21D. Pediatric (<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 C22D. Pediatric (<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 C15L. Pediatric (<18) 1-year patient survival (living donor graft recipients)
Single organ 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 C21L. Pediatric (<18) 1-year patient death HR estimate (living donor grafts)
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018

Figure C22L. Pediatric (<18) 1-year patient death HR program comparison (living donor grafts)
This center did not perform any transplants relevant to this figure during 07/01/2016-12/31/2018
C. Transplant Information

Table C16. Pediatric (<18) 3-year patient survival
Single organ 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 C23. Pediatric (<18) 3-year patient death HR estimate

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

Figure C24. Pediatric (<18) 3-year patient death HR program comparison

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

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA).
C. Transplant Information

Table C16D. Pediatric (<18) 3-year patient survival (deceased donor graft recipients)
Single organ 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 C23D. Pediatric (<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 C24D. Pediatric (<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 C16L. Pediatric (<18) 3-year patient survival (living donor graft recipients)
Single organ 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 C23L. Pediatric (<18) 3-year patient death HR estimate (living donor grafts)
This center did not perform any transplants relevant to this figure during 01/01/2014-06/30/2016

Figure C24L. Pediatric (<18) 3-year patient death HR program comparison (living donor grafts)
This center did not perform any transplants relevant to this figure during 01/01/2014-06/30/2016
C. Transplant Information

Table C17. Multi-organ transplant graft survival: 07/01/2016 - 12/31/2018

**Adult (18+) Transplants**

<table>
<thead>
<tr>
<th>Transplant Type</th>
<th>Transplants Performed</th>
<th>Liver Graft Failures</th>
<th>Estimated Liver Graft Survival</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AZGS-TX1 USA</td>
<td>AZGS-TX1 USA</td>
<td>AZGS-TX1 USA</td>
</tr>
<tr>
<td>Kidney-Liver</td>
<td>10</td>
<td>3</td>
<td>70.0%</td>
</tr>
<tr>
<td></td>
<td>1,744</td>
<td>179</td>
<td>89.2%</td>
</tr>
</tbody>
</table>

**Pediatric (<18) Transplants**

No pediatric (<18) multi-organ transplants were performed

Table C18. Multi-organ transplant patient survival: 07/01/2016 - 12/31/2018

**Adult (18+) Transplants**

<table>
<thead>
<tr>
<th>Transplant Type</th>
<th>Transplants Performed</th>
<th>Patient Deaths</th>
<th>Estimated Patient Survival</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AZGS-TX1 USA</td>
<td>AZGS-TX1 USA</td>
<td>AZGS-TX1 USA</td>
</tr>
<tr>
<td>Kidney-Liver</td>
<td>10</td>
<td>3</td>
<td>70.0%</td>
</tr>
<tr>
<td></td>
<td>1,744</td>
<td>165</td>
<td>90.0%</td>
</tr>
</tbody>
</table>

**Pediatric (<18) Transplants**

No pediatric (<18) multi-organ transplants were performed
## D. Living Donor Information

**Table D1. Living donor summary: 07/01/2016 - 06/30/2019**

<table>
<thead>
<tr>
<th>Living Donor Follow-Up</th>
<th>This Center</th>
<th>United States</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07/2016-06/2017</td>
<td>07/2017-12/2018</td>
</tr>
<tr>
<td>Number of Living Donors</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>6-Month Follow-Up</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donors due for follow-up</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Timely clinical data</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>--%</td>
<td>--%</td>
<td>--%</td>
</tr>
<tr>
<td>Timely lab data</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>--%</td>
<td>--%</td>
<td>--%</td>
</tr>
<tr>
<td><strong>12-Month Follow-Up</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donors due for follow-up</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Timely clinical data</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>--%</td>
<td>--%</td>
<td>--%</td>
</tr>
<tr>
<td>Timely lab data</td>
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<td>--</td>
</tr>
<tr>
<td>--%</td>
<td>--%</td>
<td>--%</td>
</tr>
<tr>
<td><strong>24-Month Follow-Up</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donors due for follow-up</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Timely clinical data</td>
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<td>--</td>
</tr>
<tr>
<td>--%</td>
<td>--%</td>
<td>--%</td>
</tr>
<tr>
<td>Timely lab data</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>--%</td>
<td>--%</td>
<td>--%</td>
</tr>
</tbody>
</table>

Follow-up completion standards through 2 years post-donation were implemented in policy on February 1, 2013.