Preliminary Results

Data request from the OPTN Liver and Intestinal Organ Transplantation Committee

Date: 8/11/2017

This report was provided to HRSA by SRTR in support of ongoing policy consideration by the OPTN Liver and Intestinal Organ Transplantation Committee. The analysis described herein was conducted at the specific request of the OPTN Committee and does not represent a full or final analysis related to the policy issue under consideration.

Prepared By:

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Data Request ID#: LI2017_02

Timeline:

- Committee met: June 19, 2017
- Request made: June 29, 2017
- Analysis plan submitted: July 13, 2017
- Preliminary results submitted: August 11, 2017
- Analysis report to be submitted: October 3, 2017
- Next Committee meeting: October 10, 2017
Executive Summary

Policy Scenarios

The liver transplantation policy scenarios simulated in this set of interim findings include:

• **Current:**
  - Distribution: current distribution
  - DCD/≥70 allocation: Uses the same allocation order for all deceased donors
  - Proximity points: No proximity points
  - Sharing threshold: Share35 / sharing threshold of MELD/PELD ≥35 for the third tier of allocation (after allocation to Statuses 1A and 1B)
  - Ranking in 3rd tier of allocation proceeds by allocation MELD/PELD

• **M29 150m:**
  - Distribution: 11 OPTN Regions plus 150 mile radius circles from the donor hospital
  - DCD/≥70 allocation: Uses a different allocation order for organs from donors who are DCD or ≥70 years of age
  - Proximity points: Candidates listed at centers within a 150 mile radius circle from the donor hospital receive 5 additional proximity points added to their lab MELD for adults and their allocation MELD/PELD for candidates <18
  - Sharing threshold: sharing threshold of MELD/PELD ≥29 for the third tier of allocation (after allocation to Statuses 1A and 1B)
  - Ranking in 3rd tier of allocation proceeds by adjusted MELD/PELD. The adjusted MELD/PELD is equal to the calculated (lab) MELD plus proximity points (as applicable) for adults, or the allocation MELD/PELD plus proximity points (as applicable) for candidates aged <18.

• **M29 150m DSA:**
- Distribution: 11 OPTN Regions plus 150 mile radius circles from the donor hospital
- DCD/≥70 allocation: Uses a different allocation order for organs from donors who are DCD or ≥70 years of age
- Proximity points: Candidates listed at centers within either (a) the DSA of the donor hospital or (b) a 150 mile radius circle from the donor hospital receive 5 additional proximity points added to their lab MELD for adults and their allocation MELD/PELD for candidates <18
- Sharing threshold: sharing threshold of MELD/PELD ≥29 for the third tier of allocation (after allocation to Statuses 1A and 1B)
- Ranking in 3rd tier of allocation proceeds by adjusted MELD/PELD. The adjusted MELD/PELD is equal to the calculated (lab) MELD plus proximity points (as applicable) for adults, or the allocation MELD/PELD plus proximity points (as applicable) for candidates aged <18.

- M22 150m:
  - Distribution: 11 OPTN Regions plus 150 mile radius circles from the donor hospital
  - DCD/≥70 allocation: Uses a different allocation order for organs from donors who are DCD or ≥70 years of age
  - Proximity points: Candidates listed at centers within a 150 mile radius circle from the donor hospital receive 5 additional proximity points added to their lab MELD for adults and their allocation MELD/PELD for candidates <18
  - Sharing threshold: sharing threshold of MELD/PELD ≥22 for the third tier of allocation (after allocation to Statuses 1A and 1B)
  - Ranking in 3rd tier of allocation proceeds by adjusted MELD/PELD. The adjusted MELD/PELD is equal to the calculated (lab) MELD plus proximity points (as applicable) for adults, or the allocation MELD/PELD plus proximity points (as applicable) for candidates aged <18.

- M22 150m DSA:
  - Distribution: 11 OPTN Regions plus 150 mile radius circles from the donor hospital
  - DCD/≥70 allocation: Uses a different allocation order for organs from donors who are DCD or ≥70 years of age
  - Proximity points: Candidates listed at centers within either (a) the DSA of the donor hospital or (b) a 150 mile radius circle from the donor hospital receive 5 additional proximity points added to their lab MELD for adults and their allocation MELD/PELD for candidates <18
  - Sharing threshold: sharing threshold of MELD/PELD ≥22 for the third tier of allocation (after allocation to Statuses 1A and 1B)
Ranking in 3rd tier of allocation proceeds by adjusted MELD/PELD. The adjusted MELD/PELD is equal to the calculated (lab) MELD plus proximity points (as applicable) for adults, or the allocation MELD/PELD plus proximity points (as applicable) for candidates aged <18.

**150m:**

- Distribution: 11 OPTN Regions plus 150 mile radius circles from the donor hospital
- DCD/≥70 allocation: Uses a different allocation order for organs from donors who are DCD or ≥70 years of age
- Proximity points: Candidates listed at centers within a 150 mile radius circle from the donor hospital receive 5 additional proximity points added to their lab MELD for adults and their allocation MELD/PELD for candidates <18
- Sharing threshold: No sharing threshold
- Ranking in 3rd tier of allocation proceeds by adjusted MELD/PELD. The adjusted MELD/PELD is equal to either the exception MELD score, or the calculated (lab) MELD score plus proximity points (as applicable), whichever is higher. For pediatrics, the adjusted score equals the allocation MELD/PELD plus proximity points (as applicable) for candidates aged <18.

**150m DSA:**

- Distribution: 11 OPTN Regions plus 150 mile radius circles from the donor hospital
- DCD/≥70 allocation: Uses a different allocation order for organs from donors who are DCD or ≥70 years of age
- Proximity points: Candidates listed at centers within either (a) the DSA of the donor hospital or (b) a 150 mile radius circle from the donor hospital receive 5 additional proximity points added to their lab MELD for adults and their allocation MELD/PELD for candidates <18
- Sharing threshold: No sharing threshold
- Ranking in 3rd tier of allocation proceeds by adjusted MELD/PELD. The adjusted MELD/PELD is equal to either the exception MELD score, or the calculated (lab) MELD score plus proximity points (as applicable), whichever is higher. For pediatrics, the adjusted score equals the allocation MELD/PELD plus proximity points (as applicable) for candidates aged <18.
Overview data tables

Table 1 Overview of main metrics

<table>
<thead>
<tr>
<th></th>
<th>variance in median allocation M/P at transplant</th>
<th>median allocation MELD/PELD at transplant</th>
<th>median transport time (hours)</th>
<th>median transport distance (miles)</th>
<th>% of organs flown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>10 (8.7,11.9)</td>
<td>29 (29,29)</td>
<td>1.7 (1.69,1.72)</td>
<td>88.5 (86.9,90)</td>
<td>50.7 (50.2,51.1)</td>
</tr>
<tr>
<td>M29 150m</td>
<td>6 (5.3,7.6)</td>
<td>29 (29,29)</td>
<td>1.74 (1.73,1.75)</td>
<td>100.7 (98.7,103.4)</td>
<td>55.2 (54.5,55.9)</td>
</tr>
<tr>
<td>M29 150m DSA</td>
<td>5.8 (5.2,7.4)</td>
<td>29 (29,29)</td>
<td>1.74 (1.74,1.75)</td>
<td>102.1 (99.8,103.7)</td>
<td>55.6 (55,56.1)</td>
</tr>
<tr>
<td>M22 150m</td>
<td>4.1 (3.4,4.6)</td>
<td>29 (29,29)</td>
<td>1.77 (1.76,1.77)</td>
<td>112.5 (110.2,115.4)</td>
<td>59.5 (58.8,60.1)</td>
</tr>
<tr>
<td>M22 150m DSA</td>
<td>4.3 (3.5,4.9)</td>
<td>29 (29,29)</td>
<td>1.77 (1.77,1.78)</td>
<td>113.8 (111.7,115.1)</td>
<td>59.9 (59.5,60.2)</td>
</tr>
<tr>
<td>150m</td>
<td>4.4 (3.9,4.8)</td>
<td>29.2 (29,30)</td>
<td>1.79 (1.78,1.79)</td>
<td>118.4 (117.2,119.3)</td>
<td>61.1 (60.8,61.7)</td>
</tr>
<tr>
<td>150m DSA</td>
<td>4.3 (3.9,5.3)</td>
<td>29.2 (29,30)</td>
<td>1.79 (1.78,1.79)</td>
<td>119.9 (118.5,122.3)</td>
<td>61.4 (61,62.1)</td>
</tr>
</tbody>
</table>

All metrics reported as mean (min, max) across the 10 simulation iterations.

Table 2 Overview of additional metrics

<table>
<thead>
<tr>
<th></th>
<th>transplant rate</th>
<th>transplant count</th>
<th>waitlist mortality rate</th>
<th>waitlist mortality count</th>
<th>post-tx mortality rate</th>
<th>post-tx mortality count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>0.444 (0.436,0.452)</td>
<td>6651 (6575,6727)</td>
<td>0.097 (0.095,0.1)</td>
<td>1455 (1425,1504)</td>
<td>0.077 (0.075,0.08)</td>
<td>686 (666,721)</td>
</tr>
<tr>
<td>M29 150m</td>
<td>0.437 (0.429,0.446)</td>
<td>6651 (6586,6728)</td>
<td>0.09 (0.088,0.092)</td>
<td>1366 (1335,1404)</td>
<td>0.077 (0.075,0.08)</td>
<td>682 (659,717)</td>
</tr>
<tr>
<td>M29 150m DSA</td>
<td>0.437 (0.431,0.445)</td>
<td>6644 (6563,6724)</td>
<td>0.09 (0.089,0.092)</td>
<td>1369 (1343,1408)</td>
<td>0.078 (0.074,0.08)</td>
<td>688 (662,712)</td>
</tr>
<tr>
<td>M22 150m</td>
<td>0.434 (0.428,0.445)</td>
<td>6644 (6558,6746)</td>
<td>0.087 (0.085,0.088)</td>
<td>1337 (1302,1358)</td>
<td>0.077 (0.076,0.078)</td>
<td>681 (670,702)</td>
</tr>
<tr>
<td>M22 150m DSA</td>
<td>0.434 (0.429,0.443)</td>
<td>6647 (6562,6725)</td>
<td>0.087 (0.087,0.089)</td>
<td>1339 (1319,1366)</td>
<td>0.078 (0.076,0.08)</td>
<td>691 (669,718)</td>
</tr>
<tr>
<td>150m</td>
<td>0.436 (0.429,0.445)</td>
<td>6623 (6537,6709)</td>
<td>0.091 (0.09,0.093)</td>
<td>1390 (1368,1421)</td>
<td>0.078 (0.076,0.08)</td>
<td>687 (667,718)</td>
</tr>
<tr>
<td>150m DSA</td>
<td>0.435 (0.427,0.445)</td>
<td>6617 (6547,6713)</td>
<td>0.091 (0.089,0.093)</td>
<td>1387 (1349,1414)</td>
<td>0.078 (0.075,0.082)</td>
<td>686 (663,734)</td>
</tr>
</tbody>
</table>

All metrics reported as mean (min, max) across the 10 simulation iterations. All rates are per patient-year.
Results

Results for the simulated scenarios are reported primarily in the form of plots, with each plot displaying the values for a given metric across the 5 scenarios tested. In viewing these results, it is important to compare each of the 5 scenarios with the current allocation policy scenario to identify changes in outcome metrics due to the proposed policy changes. Each scenario was simulated 10 times, and the plot displays the range of results across the 10 simulations as a vertical line extending from the minimum value to the maximum value found for that metric and scenario. A point along that line marks the mean value of the metric across the 10 iterations.

Allocation MELD/PELD at Transplant

Variance in Median Allocation MELD/PELD at Transplant by DSA

![Figure 1 Variance in median allocation M/P at transplant by DSA by exception status](image-url)

*Figure 1 Variance in median allocation M/P at transplant by DSA by exception status*
Median Allocation MELD/PELD at Transplant

**Figure 2** Median allocation MELD/PELD at transplant by exception status - all regions
Maps of Median Allocation MELD/PELD at Transplant by DSA

Figure 3 Maps of median allocation MELD/PELD at transplant by DSA
Transplant Rates

Figure 4 Transplant rates by exception status - all regions
Transplant Counts

Figure 5 Transplant counts by exception status - all regions
Transplant Rates by Allocation MELD/PELD

Figure 6 Transplant rates by allocation MELD/PELD - all regions
Transplant Counts by Allocation MELD/PELD

Figure 7 Transplant counts by allocation MELD/PELD - all regions
Variance in Transplant Rates by DSA

Figure 8 Variance in transplant rates by DSA by exception status
Maps of Transplant Rates by DSA

Figure 9 Maps of transplant rates by DSA
Waitlist Mortality

**Waitlist Mortality Rates**

*Figure 10 Waitlist mortality rates by exception status - all regions*
Figure 11 Waitlist mortality counts by exception status - all regions
Waitlist Mortality Rates by Allocation MELD/PELD

Figure 12 Waitlist mortality rates by allocation MELD/PELD - all regions
Waitlist Mortality Counts by Allocation MELD/PELD

Figure 13 Waitlist mortality counts by allocation MELD/PELD - all regions
Variance in Waitlist Mortality Rates by DSA

Figure 14: Variance in waitlist mortality rates by DSA by exception status
Maps of Waitlist Mortality Rates by DSA

Figure 15 Maps of waitlist mortality rates by DSA
Posttransplant Mortality

**Posttransplant Mortality Rates**

*Figure 16 Posttransplant mortality rates by exception status - all regions*
Posttransplant Mortality Counts

Figure 17 Posttransplant mortality counts by exception status - all regions
Transport

**Median Transport Time**

*Figure 18 Median Transport Time by exception status - all regions*
Median Transport Distance

Figure 19 Median Transport Distance by exception status - all regions
Percent of Organs Flown

Figure 20 Percent of Organs Flown by exception status - all regions
Percent of Organs Transplanted Locally (Within Donor DSA)

Figure 21 Percent of Organs Transplanted Locally by exception status - all regions
Appendix A: Results by UNOS region

Allocation MELD/PELD at Transplant

Median Allocation MELD/PELD at Transplant

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**Figure 22** Median allocation MELD/PELD at transplant by exception status - region 1
Figure 23 Median allocation MELD/PELD at transplant by exception status - region 2
Figure 24 Median allocation MELD/PELD at transplant by exception status - region 3
Figure 25 Median allocation MELD/PELD at transplant by exception status - region 4
Figure 26 Median allocation MELD/PELD at transplant by exception status - region 5
Figure 27 Median allocation MELD/PELD at transplant by exception status - region 6
Figure 28 Median allocation MELD/PELD at transplant by exception status - region 7
Figure 29 Median allocation MELD/PELD at transplant by exception status - region 8
Figure 30 Median allocation MELD/PELD at transplant by exception status - region 9
Figure 31 Median allocation MELD/PELD at transplant by exception status - region 10
Figure 32 Median allocation MELD/PELD at transplant by exception status - region 11
Transplant

Transplant Rates

Figure 33 Transplant rates by exception status - region 1
Figure 34 Transplant rates by exception status - region 2
Figure 35 Transplant rates by exception status - region 3
Figure 36 Transplant rates by exception status - region 4
Figure 37 Transplant rates by exception status - region 5
Figure 38 Transplant rates by exception status - region 6
Figure 39 Transplant rates by exception status - region 7
Figure 40 Transplant rates by exception status - region 8
Transplant Rates by Exception Status - Region 9

**Figure 41 Transplant rates by exception status - region 9**
Figure 42 Transplant rates by exception status - region 10
Figure 43 Transplant rates by exception status - region 11
Transplant Counts

Figure 44 Transplant counts by exception status - region 1
Figure 45 Transplant counts by exception status - region 2
Figure 46 Transplant counts by exception status - region 3
Figure 47 Transplant counts by exception status - region 4
Figure 48 Transplant counts by exception status - region 5
Figure 49 Transplant counts by exception status - region 6
Figure 50 Transplant counts by exception status - region 7
Figure 51 Transplant counts by exception status - region 8
Figure 52 Transplant counts by exception status - region 9
Figure 53: Transplant counts by exception status - region 10
Figure 54 Transplant counts by exception status - region 11
Waitlist Mortality

Waitlist Mortality Rates

Figure 55 Waitlist mortality rates by exception status - region 1
Figure 56 Waitlist mortality rates by exception status - region 2
Figure 57 Waitlist mortality rates by exception status - region 3
Figure 58 Waitlist mortality rates by exception status - region 4
Figure 59 Waitlist mortality rates by exception status - region 5
Figure 60 Waitlist mortality rates by exception status - region 6
Figure 61 Waitlist mortality rates by exception status - region 7
Figure 62: Waitlist mortality rates by exception status - region 8
Figure 63 Waitlist mortality rates by exception status - region 9
Figure 64 Waitlist mortality rates by exception status - region 10
Figure 65 Waitlist mortality rates by exception status - region 11
Waitlist Mortality Counts

Figure 66 Waitlist mortality counts by exception status - region 1
Figure 67 Waitlist mortality counts by exception status - region 2
Figure 68 Waitlist mortality counts by exception status - region 3
Figure 69 Waitlist mortality counts by exception status - region 4
Figure 70 Waitlist mortality counts by exception status - region 5
Figure 71: Waitlist mortality counts by exception status - region 6
Figure 72 Waitlist mortality counts by exception status - region 7
Figure 73 Waitlist mortality counts by exception status - region 8
Figure 74 Waitlist mortality counts by exception status - region 9
Figure 75 Waitlist mortality counts by exception status - region 10
**Figure 76** Waitlist mortality counts by exception status - region 11
Posttransplant Mortality

Posttransplant Mortality Rates

Figure 77 Posttransplant mortality rates by exception status - region 1
Figure 78 Posttransplant mortality rates by exception status - region 2
Figure 79 Posttransplant mortality rates by exception status - region 3
Figure 80 Posttransplant mortality rates by exception status - region 4
Figure 81 Posttransplant mortality rates by exception status - region 5
Figure 82: Posttransplant mortality rates by exception status - region 6
Figure 83 Posttransplant mortality rates by exception status - region 7
Figure 84: Posttransplant mortality rates by exception status - region 8
Figure 85 Posttransplant mortality rates by exception status - region 9
Figure 86 Posttransplant mortality rates by exception status - region 10
Figure 87: Posttransplant mortality rates by exception status - region 11
Posttransplant Mortality Counts

Figure 88 Posttransplant mortality counts by exception status - region 1
Figure 89 Posttransplant mortality counts by exception status - region 2
Figure 90 Posttransplant mortality counts by exception status - region 3
Figure 91 Posttransplant mortality counts by exception status - region 4
Figure 92 Posttransplant mortality counts by exception status - region 5
Figure 93 Posttransplant mortality counts by exception status - region 6
Figure 94 Posttransplant mortality counts by exception status - region 7
Figure 95 Posttransplant mortality counts by exception status - region 8
Figure 96: Posttransplant mortality counts by exception status - region 9
Figure 97 Posttransplant mortality counts by exception status - region 10
Figure 98 Posttransplant mortality counts by exception status - region 11
Transport

**Median Transport Time**

### Median Transport Time by Exception Status - Region 1

![Graph showing median transport time by exception status for Region 1. The graph compares total, no exceptions, HCC exception, and other exception scenarios for different transport distances and current status.]

*Figure 99 Median Transport Time by exception status - region 1*
Figure 100 Median Transport Time by exception status - region 2
Figure 101 Median Transport Time by exception status - region 3
Figure 102 Median Transport Time by exception status - region 4
Figure 103 Median Transport Time by exception status - region 5
Figure 104 Median Transport Time by exception status - region 6
Figure 105 Median Transport Time by exception status - region 7
Figure 106 Median Transport Time by exception status - region 8
Figure 107 Median Transport Time by exception status - region 9
Figure 108 Median Transport Time by exception status - region 10
Figure 109 Median Transport Time by exception status - region 11
Median Transport Distance

Figure 110 Median Transport Distance by exception status - region 1
Figure 111 Median Transport Distance by exception status - region 2
Figure 112 Median Transport Distance by exception status - region 3
Figure 113 Median Transport Distance by exception status - region 4
Figure 114 Median Transport Distance by exception status - region 5
Figure 115 Median Transport Distance by exception status - region 6
Figure 116 Median Transport Distance by exception status - region 7
Figure 117 Median Transport Distance by exception status - region 8
Figure 118 Median Transport Distance by exception status - region 9
Figure 119 Median Transport Distance by exception status - region 10
Figure 120: Median Transport Distance by exception status - region 11
Percent of Organs Flown

Figure 121 Percent of Organs Flown by exception status - region 1
Figure 122 Percent of Organs Flown by exception status - region 2
Figure 123 Percent of Organs Flown by exception status - region 3
Figure 124 Percent of Organs Flown by exception status - region 4
Figure 125 Percent of Organs Flown by exception status - region 5
Figure 126 Percent of Organs Flown by exception status - region 6
Figure 127 Percent of Organs Flown by exception status - region 7
Figure 128 Percent of Organs Flown by exception status - region 8
Figure 129 Percent of Organs Flown by exception status - region 9
Figure 130 Percent of Organs Flown by exception status - region 10
Figure 131 Percent of Organs Flown by exception status - region 11
Percent of Within DSA Transplants

Figure 132 Percent of within DSA transplants by exception status - region 1
Figure 133 Percent of within DSA transplants by exception status - region 2
Figure 134 Percent of within DSA transplants by exception status - region 3
Figure 135 Percent of within DSA transplants by exception status - region 4
Figure 136 Percent of within DSA transplants by exception status - region 5
Figure 137 Percent of within DSA transplants by exception status - region 6
Figure 138 Percent of within DSA transplants by exception status - region 7
Figure 139 Percent of within DSA transplants by exception status - region 8
Figure 140 Percent of within DSA transplants by exception status - region 9
Figure 141 Percent of within DSA transplants by exception status - region 10
Figure 142 Percent of within DSA transplants by exception status - region 11
Appendix B: Results by age, sex, and race/ethnicity

Allocation MELD/PELD at Transplant

Variance in Median Allocation MELD/PELD at Transplant by DSA

Figure 143 Variance in median allocation M/P at transplant by DSA by age - all regions
Figure 144 Variance in median allocation M/P at transplant by DSA by sex - all regions
Figure 145: Variance in median allocation M/P at transplant by DSA by race/ethnicity - all regions
Median Allocation MELD/PELD at Transplant

Figure 146 Median allocation MELD/PELD at transplant by age - all regions
Figure 147 Median allocation MELD/PELD at transplant by sex - all regions
Figure 148 Median allocation MELD/PELD at transplant by race/ethnicity - all regions
Figure 149 Transplant rates by age - all regions
Figure 150 Transplant rates by sex - all regions
Figure 151 Transplant rates by race/ethnicity - all regions
Transplant Counts

Transplant Counts by Age - All Regions

Figure 152 Transplant counts by age - all regions
Figure 153 Transplant counts by sex - all regions
Figure 154 Transplant counts by race/ethnicity - all regions
Variance in Transplant Rates by DSA

Figure 155: Variance in transplant rates by DSA by age - all regions
Figure 156 Variance in transplant rates by DSA by sex - all regions
Figure 157 Variance in transplant rates by DSA by race/ethnicity - all regions
Waitlist Mortality

Waitlist Mortality Rates

Figure 158 Waitlist mortality rates by age - all regions
Figure 159 Waitlist mortality rates by sex - all regions
Figure 160 Waitlist mortality rates by race/ethnicity - all regions
Waitlist Mortality Counts

**Figure 161** Waitlist mortality counts by age - all regions
Figure 162 Waitlist mortality counts by sex - all regions
Figure 163 Waitlist mortality counts by race/ethnicity - all regions
Variance in Waitlist Mortality Rates by DSA

Figure 164 Variance in waitlist mortality rates by DSA by age - all regions
Figure 165 Variance in waitlist mortality rates by DSA by sex - all regions
Figure 166 Variance in waitlist mortality rates by DSA by race/ethnicity - all regions
Posttransplant Mortality

**Posttransplant Mortality Rates**

*Figure 167 Posttransplant mortality rates by age - all regions*
Figure 168 Posttransplant mortality rates by sex - all regions
Figure 169 Posttransplant mortality rates by race/ethnicity - all regions
Posttransplant Mortality Counts

**Figure 170** Posttransplant mortality counts by age - all regions
Figure 171 Posttransplant mortality counts by sex - all regions
Figure 172 Posttransplant mortality counts by race/ethnicity - all regions
Transport

**Median Transport Time**

*Figure 173 Median Transport Time by age - all regions*
Figure 174 Median Transport Time by sex - all regions
Figure 175 Median Transport Time by race/ethnicity - all regions
Median Transport Distance

Figure 176 Median Transport Distance by age - all regions
Figure 177 Median Transport Distance by sex - all regions
Figure 178 Median Transport Distance by race/ethnicity - all regions
Percent of Organs Flown

Figure 179 Percent of Organs Flown by age - all regions
Figure 180 Percent of Organs Flown by sex - all regions
Figure 181 Percent of Organs Flown by race/ethnicity - all regions
Percent of Within DSA Transplants

Figure 182 Percent of within DSA transplants by age - all regions
Figure 183 Percent of within DSA transplants by sex - all regions
Figure 184 Percent of within DSA transplants by race/ethnicity - all regions