



---

## User Guide

---

Due to the pandemic's effect on the transplant system, adjustments have been made for this data reporting cycle and potentially future reporting cycles as well. For transplant programs, this means that SRTR will not include patient follow-up starting from March 12, 2020, the day prior to the emergency declaration, i.e., waitlist survival, transplant rate, and outcomes will not be assessed after that date.

This report contains a wide range of useful information about the heart transplant program at University of Chicago Medical Center (ILUC). The report has three main sections:

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

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

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

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

Table B4 shows how many candidates were removed from the waiting list because they received a transplant. The program's transplant rate is calculated as the number of candidates who received a transplant divided by the person-years observed at the program (person-years is a combination of how many candidates were on the waiting list along with how long each candidate was followed since some candidates are not on the waiting list for the entire year). The transplant rate and comparisons to what would be expected at this program are presented in Figures B1 and B2. Figure B1 shows the transplant rate compared to what was expected at this program. The expected transplant rate is an estimate of what we would expect at this program if it were performing transplants at rates similar to other programs in the US with similar candidates on their waiting lists. The expected rate is only an estimate, and is made with a certain level of uncertainty. This uncertainty is shown in Figure B2. Figure B2 displays the ratio of the observed to the expected transplant rate. A ratio of 1 indicates that the



## User Guide

observed transplant rate was equal to the expected transplant rate, while a ratio less than 1 indicates the observed rate was lower than expected rate and a ratio greater than 1 indicates the observed rate was higher than the expected rate. However, the level of uncertainty must be considered when interpreting these numbers. The 95% interval is also shown on Figure B2. This interval provides a range within which the true ratio of observed to expected transplant rates is likely to be. If this confidence interval includes (crosses) 1.0, then we cannot say that this program's observed transplant rate is different from what would be expected. The observed deceased donor transplant rate at this program was 172.6 per 100 person-years. Transplant rates are also provided for adult and pediatric patients separately along with comparisons to adult and pediatric rates in the DSA, the OPTN region, and the nation. Please refer to the PSR Technical Methods documentation available at <http://www.srtr.org> for more detail regarding how expected rates are calculated.

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

Survival from listing is presented in Table B6 and Figures B7-B9. These data are presented in the same way as the waiting list mortality rate data in the previous section. The intent of this table and figures is to describe risk of death once candidates are listed rather than while they are listed, including after a transplant. As with transplant rates, mortality rates should be interpreted carefully taking into consideration the interval displayed in Figure B8. For a complete description of how observed and expected mortality rates are calculated, please refer to the technical documentation available at <http://www.srtr.org>.

Table B7 presents information on what happens to candidates on the waiting list by three different time points after listing: 6 months, 12 months, and 18 months. The table displays percentages of candidates who have died, been removed from the waiting list, been transplanted, or been transferred or lost-to-follow-up. Tables B8 and B9 provide more detail regarding how many candidates have received a deceased donor transplant by certain time points during the first 3 years after being put on the transplant waiting list. Each row of Tables B8 and B9 presents the percent of candidates who received a deceased donor transplant by each time point. Table B10 presents data on the time it took for different percentages of patients to be transplanted for candidates added to the list between 07/01/2014 and 12/31/2019. The time it took for 5% (the 5th percentile) of patients to receive a transplant at this program was 0.2 months. If "Not Observed" is displayed in the table, then too few candidates received transplants before 06/30/2020 to calculate a particular percentile of transplant times.

Table B11 contains a summary of the offer acceptance practices of the program. The offer acceptance ratio indicates whether the program is more or less likely to accept offers than the average program. If



---

## User Guide

---

the offer acceptance ratio is greater than 1.0, then the program tends to accept more offers than average; if the offer acceptance ratio is less than 1.0, then the program tends to accept fewer offers than average. Figure B10 shows the distribution of program offer acceptance rates as well as the offer acceptance rate for this program. Figures B11 - B15 similarly show offer acceptance rates for subsets of offers.

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

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

While Tables C5-C10 present data on graft survival, Tables C11-C16 present information on patient survival. For these tables, patients are followed from the time of transplant until death, regardless of whether the transplant is functioning or the patient required another transplant to survive.

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

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



## Table of Contents

Section	Page
User Guide	i
<b>A. Program Summary</b>	
Program Summary	1
<b>B. Waiting List Information</b>	
Waiting list activity	2
Demographic characteristics of waiting list candidates	3
Medical characteristics of waiting list candidates	4
Deceased donor transplant rates	5
Waiting list mortality rates	6
Patient survival from listing	7
Waiting list candidate status after listing	8
Percent of candidates with deceased donor transplants: demographic characteristics	9
Percent of candidates with deceased donor transplants: medical characteristics	10
Time to transplant for waiting list candidates	11
Offer acceptance practices	12
<b>C. Transplant Information</b>	
Deceased donor transplant recipient demographic characteristics	14
Deceased donor transplant recipient medical characteristics	15
Deceased donor characteristics	16
Deceased donor transplant characteristics	17
Deceased donor graft survival	18
Deceased donor patient survival	24
Multi-organ transplant graft survival	30
Multi-organ transplant patient survival	30



## A. Program Summary

Figure A1. Waiting list and transplant activity

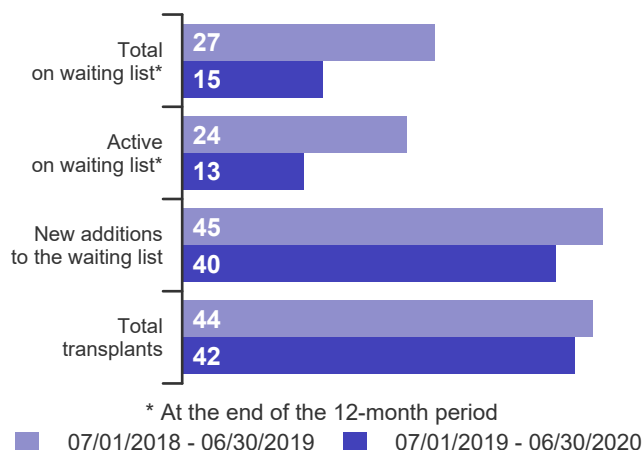


Table A1. Census of transplant recipients

Recipients	07/01/2018-06/30/2019	07/01/2019-06/30/2020
Transplanted at this center	44	42
Followed by this center*	214	193
...transplanted at this program	205	184
...transplanted elsewhere	9	9

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

Figure A2. Transplant rates  
07/01/2018 - 03/12/2020

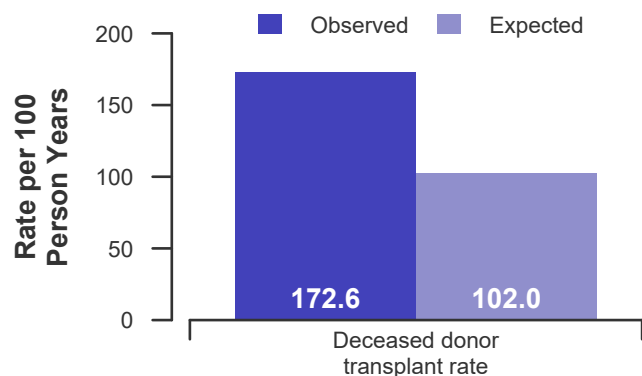


Figure A3. Waiting list mortality rates  
07/01/2018 - 03/12/2020

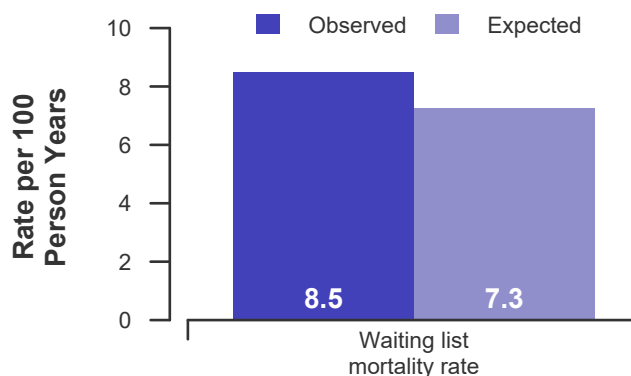


Figure A4. First-year adult graft and patient survival: 07/01/2017 - 12/31/2019

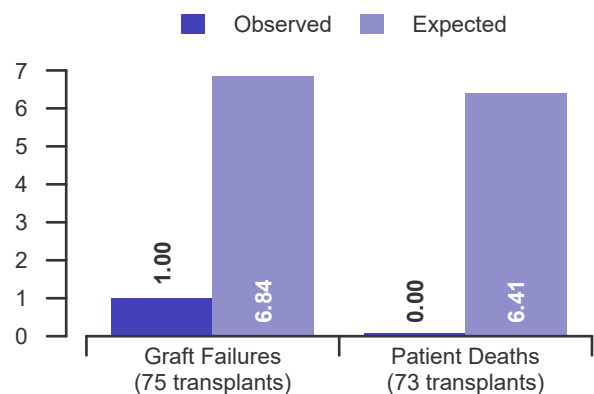
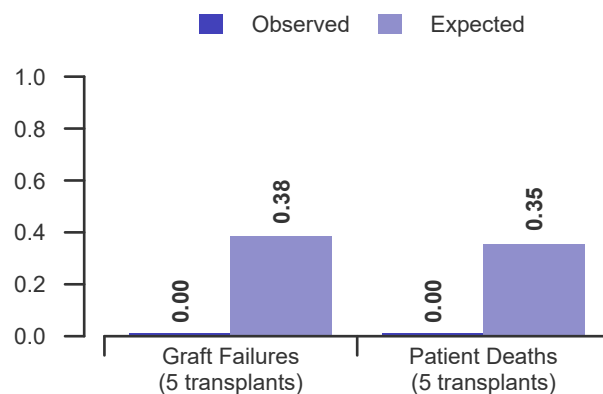


Figure A5. First-year pediatric graft and patient survival: 07/01/2017 - 12/31/2019





## B. Waiting List Information

Table B1. Waiting list activity summary: 07/01/2018 - 06/30/2020

Waiting List Registrations	Counts for this center		Activity for 07/01/2019 to 06/30/2020 as percent of registrants on waiting list on 07/01/2019		
	07/01/2018-06/30/2019	07/01/2019-06/30/2020	This Center (%)	OPTN Region (%)	U.S. (%)
<b>On waiting list at start</b>	32	27	100.0	100.0	100.0
<b>Additions</b>					
New listings at this center	45	40	148.1	81.0	115.7
<b>Removals</b>					
Transferred to another center	1	1	3.7	1.7	2.5
Received living donor transplant*	0	0	0.0	0.0	0.0
Received deceased donor transplant*	44	42	155.6	71.6	92.5
Died	4	0	0.0	5.9	6.6
Transplanted at another center	0	0	0.0	1.7	1.0
Deteriorated	0	2	7.4	5.9	7.4
Recovered	0	1	3.7	3.3	4.6
Other reasons	1	6	22.2	7.2	8.6
<b>On waiting list at end of period</b>	27	15	55.6	83.6	92.6

\* 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 07/01/2019 and 06/30/2020**

Demographic Characteristic	New Waiting List Registrations 07/01/2019 to 06/30/2020 (%)			All Waiting List Registrations on 06/30/2020 (%)		
	This Center (N=40)	OPTN Region (N=371)	U.S. (N=4,403)	This Center (N=15)	OPTN Region (N=383)	U.S. (N=3,521)
<b>All (%)</b>	100.0	100.0	100.0	100.0	100.0	100.0
<b>Ethnicity/Race (%)*</b>						
White	50.0	65.0	57.6	33.3	68.1	57.3
African-American	37.5	22.1	26.4	40.0	21.4	28.6
Hispanic/Latino	10.0	7.5	10.9	20.0	7.3	10.3
Asian	2.5	4.3	4.1	6.7	2.1	2.6
Other	0.0	1.1	1.1	0.0	1.0	1.2
Unknown	0.0	0.0	0.0	0.0	0.0	0.0
<b>Age (%)</b>						
<2 years	0.0	9.4	6.4	0.0	8.6	4.6
2-11 years	0.0	4.6	4.3	0.0	5.0	4.2
12-17 years	5.0	5.1	4.2	13.3	4.4	3.6
18-34 years	15.0	9.4	9.4	13.3	9.4	10.7
35-49 years	12.5	15.6	18.8	33.3	22.5	22.4
50-64 years	55.0	38.5	40.9	26.7	40.5	44.1
65-69 years	10.0	15.4	13.5	13.3	8.9	9.3
70+ years	2.5	1.9	2.5	0.0	0.8	1.1
<b>Gender (%)</b>						
Male	87.5	70.4	70.9	60.0	71.8	75.1
Female	12.5	29.6	29.1	40.0	28.2	24.9

\* 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 07/01/2019 and 06/30/2020**

Medical Characteristic	New Waiting List Registrations 07/01/2019 to 06/30/2020 (%)			All Waiting List Registrations on 06/30/2020 (%)		
	This Center (N=40)	OPTN Region (N=371)	U.S. (N=4,403)	This Center (N=15)	OPTN Region (N=383)	U.S. (N=3,521)
<b>All (%)</b>	100.0	100.0	100.0	100.0	100.0	100.0
<b>Blood Type (%)</b>						
O	35.0	42.6	43.3	60.0	57.4	59.9
A	42.5	40.4	37.1	40.0	32.6	28.3
B	20.0	12.7	14.6	0.0	8.6	10.1
AB	2.5	4.3	5.0	0.0	1.3	1.8
Unknown	0.0	0.0	0.0	0.0	0.0	0.0
<b>Previous Transplant (%)</b>						
Yes	0.0	4.0	3.3	0.0	3.7	3.4
No	100.0	96.0	96.7	100.0	96.3	96.6
Unknown	0.0	0.0	0.0	0.0	0.0	0.0
<b>Primary Disease (%)</b>						
Cardiomyopathy	75.0	54.7	59.5	86.7	53.3	57.8
Coronary Artery Disease	20.0	21.8	23.4	6.7	24.0	25.4
Retransplant/Graft Failure	0.0	3.2	2.8	0.0	2.9	2.7
Valvular Heart Disease	0.0	2.2	1.0	0.0	0.8	0.9
Congenital Heart Disease	5.0	15.6	11.3	6.7	17.0	11.3
Other	0.0	2.4	2.0	0.0	2.1	1.9
Missing	0.0	0.0	0.0	0.0	0.0	0.0
<b>Medical Urgency Status at Listing (%)</b>						
Status 1A	2.5	14.0	8.6	13.3	14.9	7.4
Status 1B	2.5	2.7	3.5	20.0	18.3	17.0
Status 2	0.0	2.4	2.4	33.3	25.6	19.9
Adult Status 1	0.0	4.9	4.0	0.0	0.5	0.3
Adult Status 2	65.0	25.9	19.2	0.0	3.7	2.8
Adult Status 3	17.5	9.2	10.4	13.3	5.2	4.2
Adult Status 4	2.5	24.3	31.0	0.0	16.7	27.3
Adult Status 5	5.0	3.2	2.7	0.0	1.8	2.0
Adult Status 6	5.0	11.6	16.1	20.0	10.4	15.8
Temporarily Inactive	0.0	1.9	2.0	0.0	2.9	3.2





## B. Waiting List Information

Table B4D. Deceased donor transplant rates: 07/01/2018 - 03/12/2020

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
<b>All Candidates</b>				
Count on waiting list at start*	32	223	478	4,006
Person Years**	45.2	355.9	763.8	6,510.7
Removals for Transplant	78	303	595	6,017
<b>Adult (18+) Candidates</b>				
Count on waiting list at start*	30	199	426	3,584
Person Years**	41.6	309.9	662.0	5,820.7
Removals for transplant	74	248	494	5,163
<b>Pediatric (&lt;18) Candidates</b>				
Count on waiting list at start*	2	24	52	422
Person Years**	3.5	46.0	101.8	690.0
Removals for transplant	4	55	101	854

\* 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 March 12, 2020.

Figure B1D. Observed and expected deceased donor transplant rates: 07/01/2018 - 03/12/2020

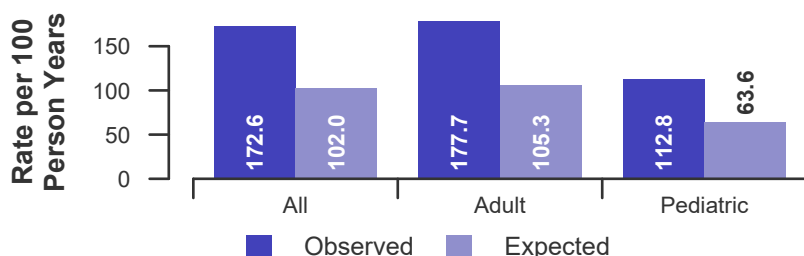


Figure B2D. Deceased donor transplant rate ratio estimate

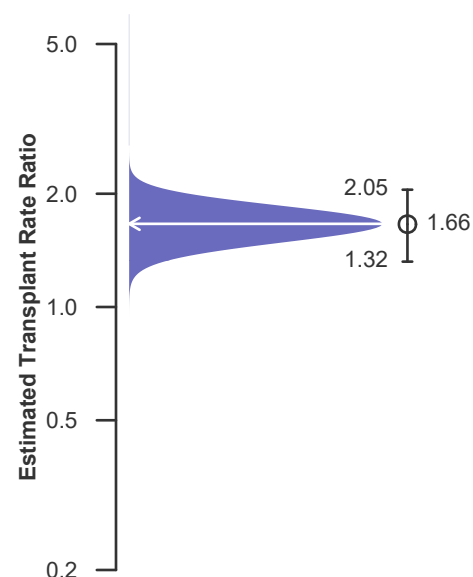
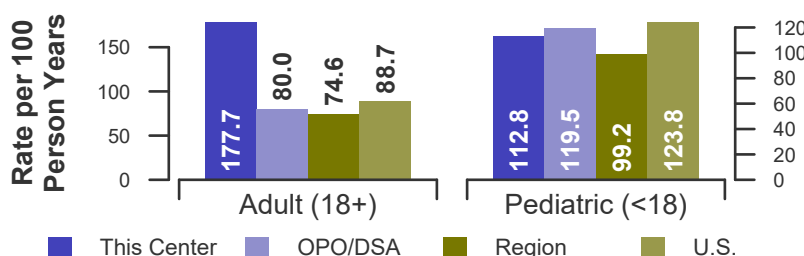


Figure B3D. Observed adult (18+) and pediatric (<18) deceased donor transplant rates: 07/01/2018 - 03/12/2020





## B. Waiting List Information

Table B5. Waiting list mortality rates: 07/01/2018 - 03/12/2020

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
<b>All Candidates</b>				
Count on waiting list at start*	32	223	478	4,006
Person Years**	47.2	391.5	834.1	7,365.6
Number of deaths	4	26	69	676
<b>Adult (18+) Candidates</b>				
Count on waiting list at start*	30	199	426	3,584
Person Years**	43.7	343.1	724.6	6,604.0
Number of deaths	4	22	55	565
<b>Pediatric (&lt;18) Candidates</b>				
Count on waiting list at start*	2	24	52	422
Person Years**	3.5	48.4	109.5	761.7
Number of deaths	0	4	14	111

\* 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 March 12, 2020.

Figure B4. Observed and expected waiting list mortality rates: 07/01/2018 - 03/12/2020

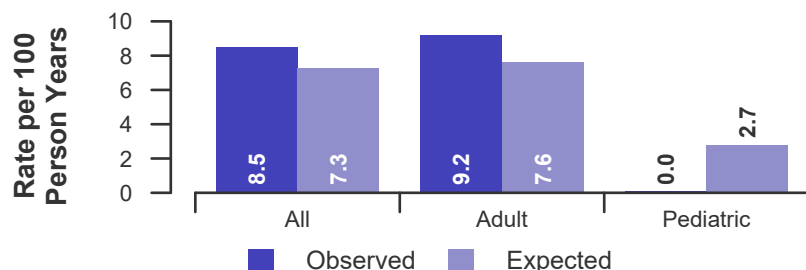


Figure B5. Waiting list mortality rate ratio estimate

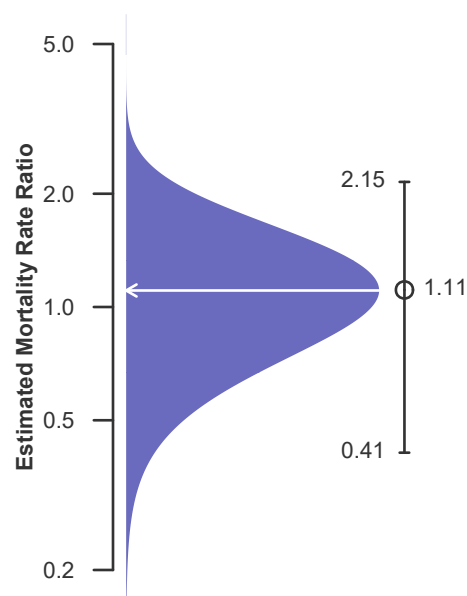
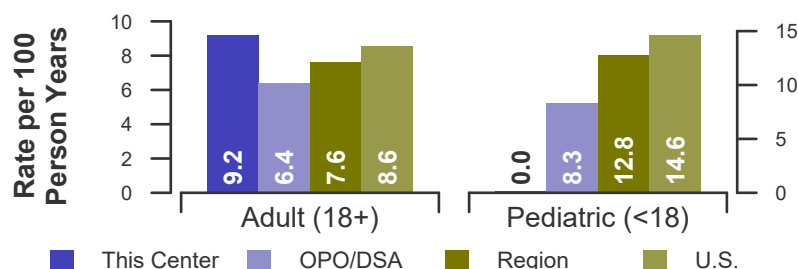


Figure B6. Observed adult (18+) and pediatric (<18) waiting list mortality rates: 07/01/2018 - 03/12/2020





## B. Waiting List Information

Table B6. Rates of patient mortality after listing: 07/01/2018 - 03/12/2020

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
<b>All Patients</b>				
Count at risk during the evaluation period	246	1,161	2,388	25,361
Person-years*	300.0	1,418.4	2,862.2	30,874.9
Number of Deaths	13	72	167	1,810
<b>Adult (18+) Patients</b>				
Count at risk during the evaluation period	239	988	2,017	21,649
Person-years*	291.8	1,217.7	2,426.6	26,386.5
Number of Deaths	13	65	141	1,580
<b>Pediatric (&lt;18) Patients</b>				
Count at risk during the evaluation period	7	173	371	3,712
Person-years*	8.2	200.6	435.6	4,488.4
Number of Deaths	0	7	26	230

\* Person-years are calculated as days (converted to fractional years). The number of days from 07/01/2018, or from the date of first wait listing until death, reaching 5 years after listing or March 12, 2020.

\*\* Patient mortality after listing describes the relative survival experience of patients after listing. It depends on many factors, some of which are outside of the control of the transplant program. For example, availability of organs may not be the same in every part of the country.

Figure B7. Observed and expected rates of patient mortality after listing: 07/01/2018 - 03/12/2020

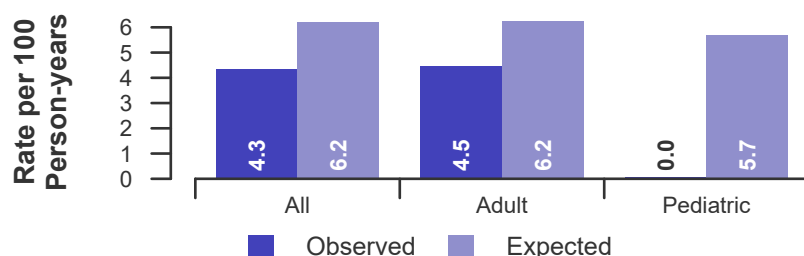


Figure B9. Observed adult (18+) and pediatric (<18) rates of patient mortality after listing: 07/01/2018 - 03/12/2020

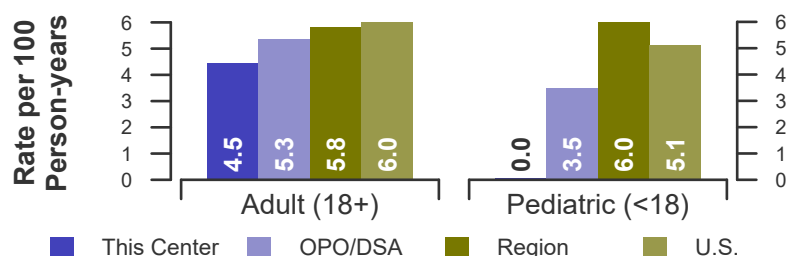
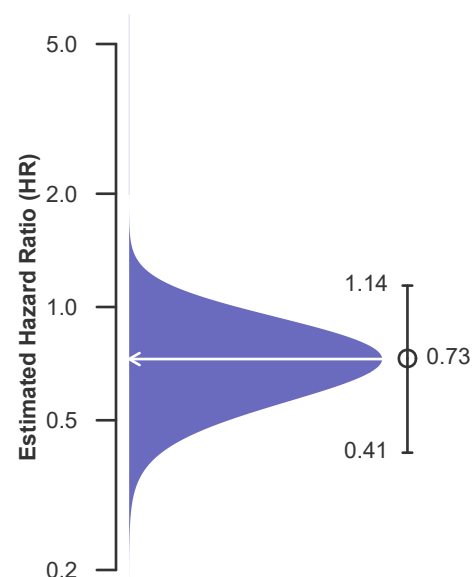


Figure B8. HR estimate of patient mortality after listing





## B. Waiting List Information

**Table B7. Waiting list candidate status after listing**  
**Candidates registered on waiting list between 01/01/2018 and 12/31/2018**

Waiting list status (survival status)	This Center (N=46)			U.S. (N=4,712)		
	Months Since Listing			Months Since Listing		
	6	12	18	6	12	18
<b>Alive on waiting list (%)</b>	19.6	13.0	8.7	40.3	26.5	19.2
<b>Died on the waiting list without transplant (%)</b>	2.2	6.5	6.5	3.8	4.5	4.9
<b>Removed without transplant (%):</b>						
Condition worsened (status unknown)	0.0	0.0	0.0	3.2	4.1	4.8
Condition improved (status unknown)	0.0	0.0	0.0	0.9	2.0	2.6
Refused transplant (status unknown)	0.0	0.0	0.0	0.1	0.3	0.3
Other	0.0	0.0	2.2	1.5	2.9	4.0
<b>Transplant (living or deceased donor) (%):</b>						
Functioning (alive)	78.3	76.1	32.6	46.1	51.0	31.7
Failed-Retransplanted (alive)	0.0	0.0	0.0	0.1	0.2	0.2
Failed-alive not retransplanted	0.0	0.0	0.0	0.0	0.0	0.0
Died	0.0	0.0	4.3	2.7	4.0	5.2
Status Yet Unknown*	0.0	4.3	45.7	0.4	3.4	25.9
<b>Lost or Transferred (status unknown) (%)</b>	0.0	0.0	0.0	0.6	1.1	1.3
<b>TOTAL (%)</b>	100.0	100.0	100.0	100.0	100.0	100.0
Total % known died on waiting list or after transplant	2.2	6.5	10.9	6.6	8.5	10.1
Total % known died or removed as unstable	2.2	6.5	10.9	9.7	12.6	14.8
Total % removed for transplant	78.3	80.4	82.6	49.5	58.6	63.0
Total % with known functioning transplant (alive)	78.3	76.1	32.6	46.1	51.0	31.7

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



## B. Waiting List Information

**Table B8. Percent of candidates with deceased donor transplants: demographic characteristics**  
Candidates registered on the waiting list between 07/01/2014 and 06/30/2017

Characteristic	N	Percent transplanted at time periods since listing									
		This Center				N	United States				
		30 day	1 year	2 years	3 years		30 day	1 year	2 years	3 years	
<b>All</b>	120	31.7	75.8	78.3	79.2	13,465	16.1	54.0	62.5	65.2	
<b>Ethnicity/Race*</b>											
White	67	29.9	74.6	77.6	79.1	8,260	16.2	53.7	62.4	65.2	
African-American	41	36.6	78.0	80.5	80.5	3,128	14.4	50.7	59.9	62.4	
Hispanic/Latino	9	11.1	66.7	66.7	66.7	1,410	16.4	58.9	66.3	68.9	
Asian	3	66.7	100.0	100.0	100.0	530	23.0	62.1	69.6	72.1	
Other	0	--	--	--	--	137	19.0	60.6	65.0	65.0	
Unknown	0	--	--	--	--	0	--	--	--	--	
<b>Age</b>											
<2 years	0	--	--	--	--	812	19.0	60.7	61.9	62.2	
2-11 years	0	--	--	--	--	602	14.1	62.6	69.9	72.4	
12-17 years	1	0.0	100.0	100.0	100.0	533	25.0	72.8	80.3	81.6	
18-34 years	8	50.0	100.0	100.0	100.0	1,257	16.2	50.2	58.3	61.8	
35-49 years	29	17.2	69.0	69.0	72.4	2,527	12.2	47.8	58.9	62.1	
50-64 years	60	35.0	78.3	81.7	81.7	5,717	15.5	53.1	62.5	65.6	
65-69 years	20	40.0	65.0	70.0	70.0	1,717	17.5	54.5	62.5	64.5	
70+ years	2	0.0	100.0	100.0	100.0	300	31.3	64.7	66.0	66.7	
<b>Gender</b>											
Male	90	30.0	76.7	80.0	81.1	9,601	14.8	52.7	62.1	65.0	
Female	30	36.7	73.3	73.3	73.3	3,864	19.4	57.0	63.6	65.9	

\* 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 B9. Percent of candidates with deceased donor transplants: medical characteristics**  
Candidates registered on the waiting list between 07/01/2014 and 06/30/2017

Characteristic	Percent transplanted at time periods since listing									
	This Center					United States				
	N	30 day	1 year	2 years	3 years	N	30 day	1 year	2 years	3 years
All	120	31.7	75.8	78.3	79.2	13,465	16.1	54.0	62.5	65.2
Blood Type										
O	54	18.5	68.5	70.4	70.4	5,951	10.1	44.9	54.9	58.2
A	37	32.4	78.4	81.1	83.8	4,947	19.5	60.0	67.5	69.9
B	25	52.0	84.0	88.0	88.0	1,918	19.7	60.2	68.2	70.4
AB	4	75.0	100.0	100.0	100.0	648	34.3	73.0	77.8	78.9
Previous Transplant										
Yes	3	0.0	33.3	33.3	33.3	572	11.9	43.5	49.0	51.9
No	117	32.5	76.9	79.5	80.3	12,893	16.3	54.4	63.1	65.8
Primary Disease										
Cardiomyopathy	79	38.0	81.0	83.5	84.8	7,633	16.9	55.9	65.2	67.9
Coronary Artery Disease	37	21.6	70.3	73.0	73.0	3,670	15.2	51.5	60.1	63.3
Retransplant/Graft Failure	3	0.0	33.3	33.3	33.3	486	11.1	43.2	48.8	51.9
Valvular Heart Disease	0	--	--	--	--	138	18.1	59.4	64.5	66.7
Congenital Heart Disease	1	0.0	0.0	0.0	0.0	1,344	14.8	53.9	60.1	61.8
Other	0	--	--	--	--	194	20.6	46.4	53.1	54.1
Missing	0	--	--	--	--	0	--	--	--	--
Medical Urgency Status at Listing										
Old Status 1	0	--	--	--	--	0	--	--	--	--
Status 1A	55	41.8	85.5	85.5	87.3	4,226	30.7	68.6	72.1	73.1
Status 1B	44	25.0	77.3	77.3	77.3	5,351	12.9	55.1	65.4	68.3
Status 2	20	20.0	50.0	65.0	65.0	3,437	4.3	36.0	48.1	52.5
Unknown	1	0.0	0.0	0.0	0.0	451	6.7	39.7	48.6	51.9



## B. Waiting List Information

**Table B10. Time to transplant for waiting list candidates\***

**Candidates registered on the waiting list between 07/01/2014 and 12/31/2019**

Percentile	Center	Months to Transplant**		U.S.
		OPO/DSA	Region	
5th	0.2	0.3	0.3	0.2
10th	0.3	0.4	0.6	0.4
25th	0.5	1.2	2.0	1.4
50th (median time to transplant)	1.1	6.5	11.3	6.9
75th	3.0	Not Observed	Not Observed	Not Observed

\* 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 06/30/2020. 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 B11. Offer Acceptance Practices: 07/01/2019 - 03/12/2020

Offers Acceptance Characteristics	This Center	OPO/DSA	Region	U.S.
<b>Overall</b>				
Number of Offers	253	2,534	4,260	35,218
Number of Acceptances	24	102	207	2,275
Expected Acceptances	15.7	158.9	250.7	2,272.6
Offer Acceptance Ratio*	1.47	0.65	0.83	1.00
95% Credible Interval**	[0.96, 2.09]	--	--	--
<b>PHS increased infectious risk</b>				
Number of Offers	89	726	1,252	12,275
Number of Acceptances	9	20	54	732
Expected Acceptances	5.4	40.8	69.0	730.1
Offer Acceptance Ratio*	1.49	0.51	0.79	1.00
95% Credible Interval**	[0.75, 2.50]	--	--	--
<b>Ejection fraction &lt; 60</b>				
Number of Offers	82	858	1,424	12,822
Number of Acceptances	6	25	57	643
Expected Acceptances	4.3	40.3	67.9	652.4
Offer Acceptance Ratio*	1.27	0.64	0.84	0.99
95% Credible Interval**	[0.55, 2.30]	--	--	--
<b>Donor Age &gt;= 40</b>				
Number of Offers	95	953	1,620	13,975
Number of Acceptances	7	22	43	484
Expected Acceptances	3.7	37.7	55.7	492.7
Offer Acceptance Ratio*	1.58	0.60	0.78	0.98
95% Credible Interval**	[0.72, 2.77]	--	--	--
<b>Hard-to-Place Hearts (Over 50 Offers)</b>				
Number of Offers	34	699	1,245	10,412
Number of Acceptances	0	0	8	147
Expected Acceptances	0.8	10.9	17.2	151.1
Offer Acceptance Ratio*	0.72	0.15	0.52	0.97
95% Credible Interval**	[0.09, 2.00]	--	--	--
<b>Donor more than 500 miles away</b>				
Number of Offers	100	929	1,628	11,573
Number of Acceptances	6	14	43	468
Expected Acceptances	4.5	36.4	58.6	485.7
Offer Acceptance Ratio*	1.23	0.42	0.74	0.96
95% Credible Interval**	[0.53, 2.22]	--	--	--

\* The offer acceptance ratio estimates the relative offer acceptance practice of University of Chicago Medical Center (ILUC) 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, [0.96, 2.09], indicates the location of ILUC's true offer acceptance ratio with 95% probability. The best estimate is 47% more likely to accept an offer compared to national acceptance behavior, but ILUC's performance could plausibly range from 4% reduced acceptance up to 109% higher acceptance.





## B. Waiting List Information

Figure B10. Offer acceptance: Overall

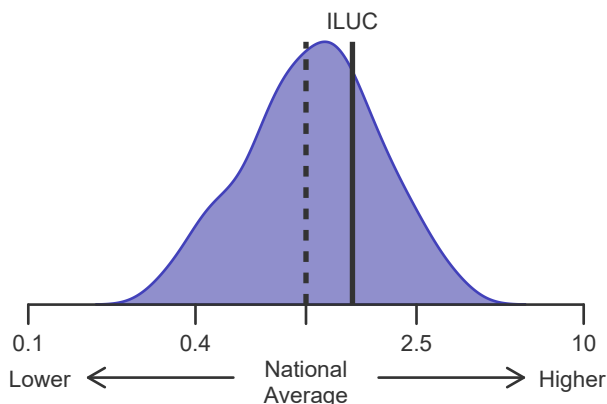


Figure B11. Offer acceptance:  
PHS increased infectious risk

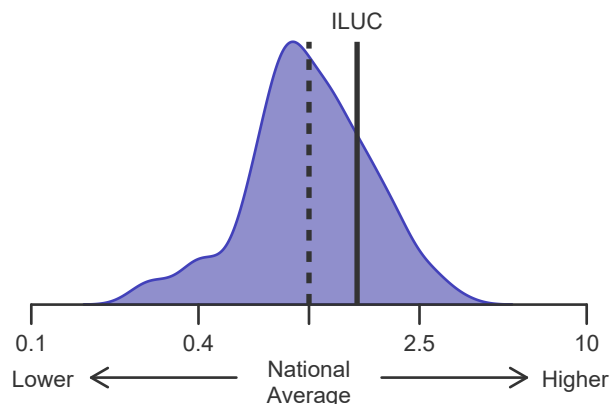


Figure B12. Offer acceptance:  
Ejection fraction < 60

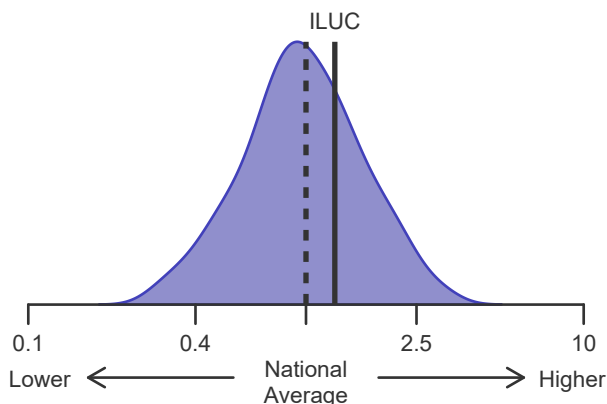


Figure B13. Offer acceptance: Donor age >= 40

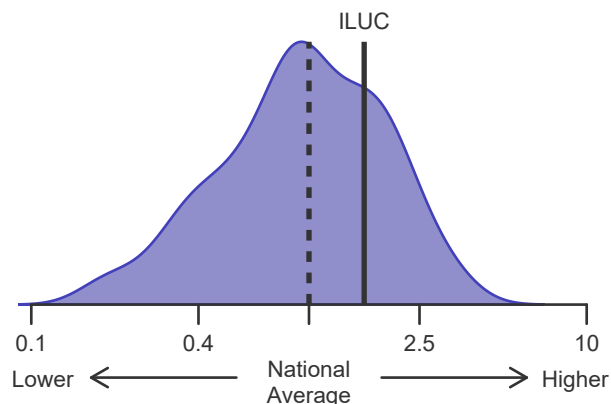


Figure B14. Offer acceptance:  
Offer number > 50

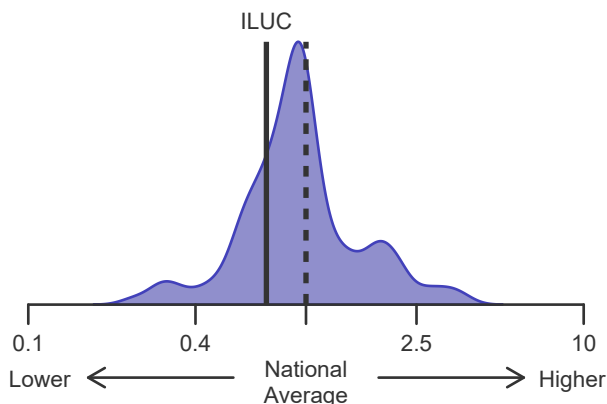
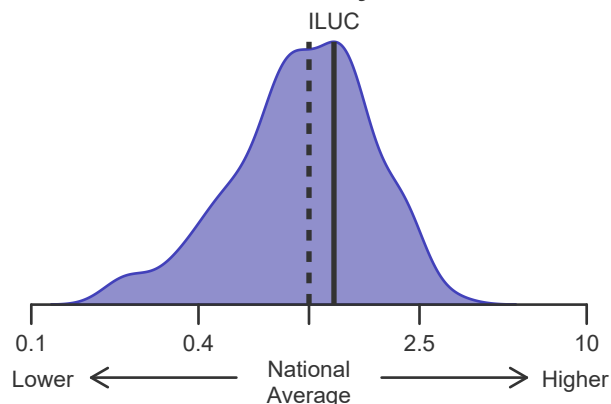


Figure B15. Offer acceptance:  
Donor more than 500 miles away





## C. Transplant Information

**Table C1D. Deceased donor transplant recipient demographic characteristics****Patients transplanted between 07/01/2019 and 06/30/2020**

Characteristic	Percentage in each category		
	Center (N=42)	Region (N=328)	U.S. (N=3,519)
<b>Ethnicity/Race (%)*</b>			
White	57.1	68.3	60.1
African-American	33.3	21.6	24.3
Hispanic/Latino	7.1	6.7	10.9
Asian	2.4	3.0	3.9
Other	0.0	0.3	0.9
Unknown	0.0	0.0	0.0
<b>Age (%)</b>			
<2 years	0.0	4.6	4.5
2-11 years	0.0	5.5	4.6
12-17	4.8	4.9	4.2
18-34	14.3	9.8	9.7
35-49 years	11.9	15.9	18.5
50-64 years	52.4	43.0	41.2
65-69 years	14.3	15.2	14.2
70+ years	2.4	1.2	3.2
<b>Gender (%)</b>			
Male	85.7	70.7	70.8
Female	14.3	29.3	29.2

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



## C. Transplant Information

**Table C2D. Deceased donor transplant recipient medical characteristics**  
Patients transplanted between 07/01/2019 and 06/30/2020

Characteristic	Percentage in each category		
	Center (N=42)	Region (N=328)	U.S. (N=3,519)
<b>Blood Type (%)</b>			
O	28.6	37.2	39.9
A	45.2	43.9	39.2
B	23.8	14.6	15.8
AB	2.4	4.3	5.1
<b>Previous Transplant (%)</b>			
Yes	0.0	3.7	3.3
No	100.0	96.3	96.7
<b>Body Mass Index (%)</b>			
0-20	4.8	15.9	17.1
21-25	21.4	24.4	27.3
26-30	38.1	29.0	30.4
31-35	28.6	20.4	19.1
36-40	2.4	5.8	5.0
41+	0.0	0.3	0.5
Unknown	4.8	4.3	0.7
<b>Primary Disease (%)</b>			
Cardiomyopathy	66.7	58.2	62.5
Coronary Artery Disease	23.8	24.4	24.8
Retransplant/Graft Failure	0.0	0.0	0.0
Valvular Heart Disease	0.0	1.8	1.1
Congenital Heart Disease	9.5	12.5	10.3
Other	0.0	2.4	1.2
Missing	0.0	0.6	0.2
<b>Medical Urgency Status at Transplant (%)</b>			
Status 1A	4.8	11.6	10.4
Status 1B	0.0	3.0	2.4
Status 2	0.0	0.6	0.7
Adult Status 1	0.0	6.4	7.4
Adult Status 2	78.6	45.4	40.4
Adult Status 3	7.1	11.0	15.7
Adult Status 4	4.8	19.2	18.5
Adult Status 5	4.8	1.5	1.0
Adult Status 6	0.0	1.2	3.6
<b>Recipient Medical Condition at Transplant (%)</b>			
Not Hospitalized	2.4	30.5	33.0
Hospitalized	9.5	10.7	14.8
ICU	85.7	58.5	52.0
Unknown	2.4	0.3	0.2
<b>Recipient Mechanical, Ventilated or Organ-Perfusion Support Status at Transplant (%)</b>			
No Support Mechanism	35.7	20.7	19.7
Devices*	54.8	66.5	63.6
Other Support Mechanism	9.5	12.8	16.6
Unknown	0.0	0.0	0.1

\* Devices include ventricular assist devices (VAD), extracorporeal membrane oxygenation (ECMO), intraaortic balloon pump (IABP), and total artificial heart (TAH).



## C. Transplant Information

**Table C3D. Deceased donor characteristics****Transplants performed between 07/01/2019 and 06/30/2020**

Donor Characteristic	Percentage in each category		
	Center (N=42)	Region (N=328)	U.S. (N=3,519)
<b>Cause of Death (%)</b>			
Deceased: Stroke	9.5	11.6	13.6
Deceased: MVA	19.0	19.5	18.4
Deceased: Other	71.4	68.9	68.0
<b>Ethnicity/Race (%)*</b>			
White	73.8	70.7	61.7
African-American	21.4	15.9	16.5
Hispanic/Latino	4.8	12.2	18.5
Asian	0.0	0.9	2.0
Other	0.0	0.3	1.2
Not Reported	0.0	0.0	0.0
<b>Age (%)</b>			
<2 years	0.0	3.7	3.4
2-11 years	2.4	6.7	4.7
12-17	0.0	7.9	6.7
18-34	45.2	47.3	51.6
35-49 years	50.0	30.8	27.8
50-64 years	2.4	3.7	5.7
65-69 years	0.0	0.0	0.0
70+ years	0.0	0.0	0.0
<b>Gender (%)</b>			
Male	64.3	70.4	71.6
Female	35.7	29.6	28.4
<b>Blood Type (%)</b>			
O	42.9	47.0	51.9
A	40.5	40.2	35.1
B	16.7	12.2	11.3
AB	0.0	0.6	1.7
Unknown	0.0	0.0	0.0

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



## C. Transplant Information

**Table C4D. Deceased donor transplant characteristics**  
Transplants performed between 07/01/2019 and 06/30/2020

Transplant Characteristic	Percentage in each category		
	Center (N=42)	Region (N=328)	U.S. (N=3,519)
<b>Total Ischemic Time (Minutes): Local (%)</b>			
Deceased: 0-90 min	0.0	14.9	9.5
Deceased: 91-180 min	22.2	58.1	63.2
Deceased: 181-270 min	55.6	24.3	23.9
Deceased: 271-360 min	11.1	1.4	2.0
Deceased: 361+ min	0.0	0.0	0.7
Not Reported	11.1	1.4	0.8
<b>Total Ischemic Time (Minutes): Shared (%)</b>			
Deceased: 0-90 min	0.0	0.8	0.3
Deceased: 91-180 min	0.0	18.5	16.6
Deceased: 181-270 min	48.5	64.2	67.8
Deceased: 271-360 min	48.5	13.8	12.1
Deceased: 361+ min	0.0	2.4	2.6
Not Reported	3.0	0.4	0.7
<b>Procedure Type (%)</b>			
Heart alone	69.0	89.9	91.8
Heart and another organ	31.0	10.1	8.2
<b>Sharing (%)</b>			
Local	21.4	22.6	26.2
Shared	78.6	77.4	73.8
<b>Median Time in Hospital After Transplant*</b>	24.0 Days	20.0 Days	17.0 Days

\* Multiple organ transplants are excluded from this statistic.



## C. Transplant Information

**Table C5D. Adult (18+) 1-month survival with a functioning deceased donor graft**

**Single organ transplants performed between 07/01/2017 and 12/31/2019**

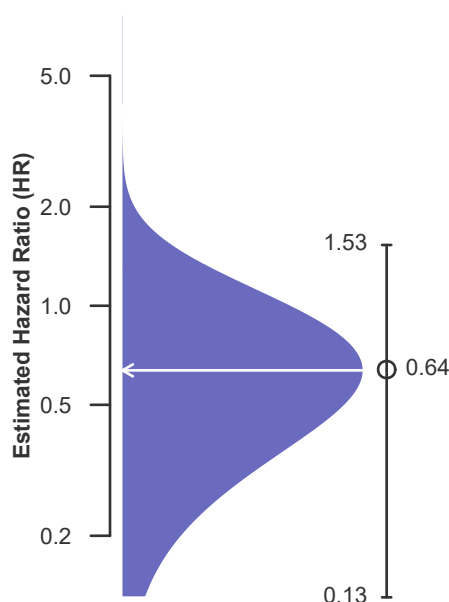
**Deaths and retransplants are considered graft failures**

	ILUC	U.S.
Number of transplants evaluated	75	6,750
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	98.67%	96.61%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	96.43%	--
Number of observed graft failures (including deaths) during the first month after transplant	1	229
Number of expected graft failures (including deaths) during the first month after transplant	2.71	--
Estimated hazard ratio*	0.64	--
95% credible interval for the hazard ratio**	[0.13, 1.53]	--

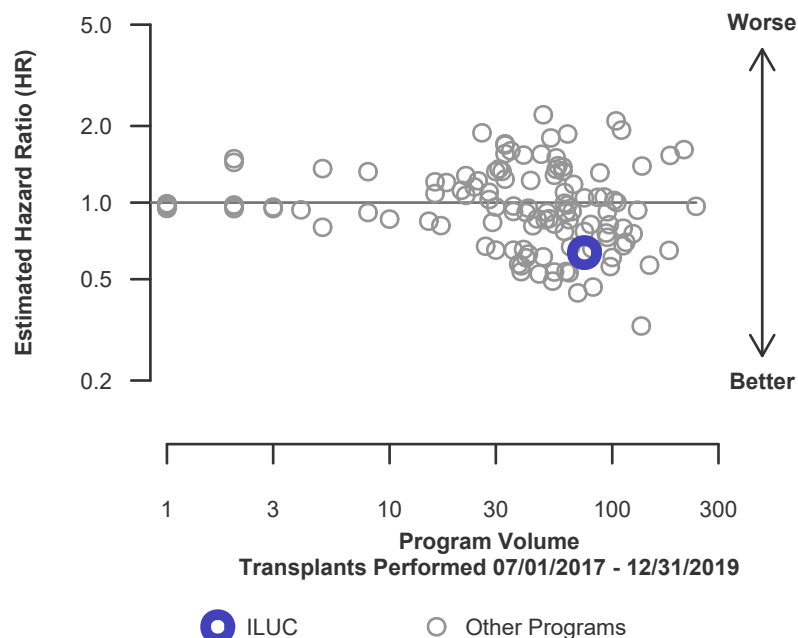
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would 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 ILUC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.13, 1.53], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 36% lower risk of graft failure compared to an average program, but ILUC's performance could plausibly range from 87% reduced risk up to 53% increased risk.

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



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





## C. Transplant Information

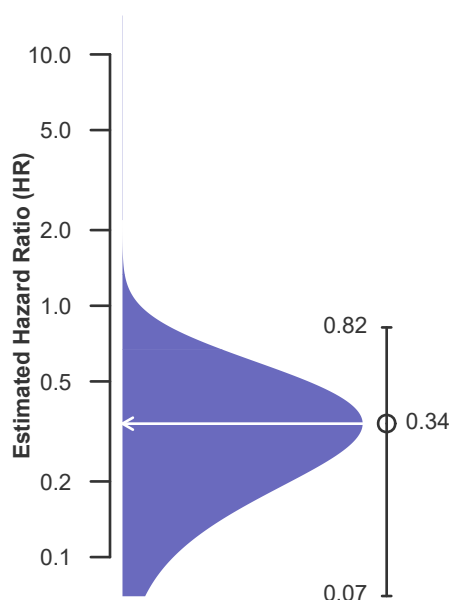
**Table C6D. Adult (18+) 1-year survival with a functioning deceased donor graft**  
**Single organ transplants performed between 07/01/2017 and 12/31/2019**  
**Deaths and retransplants are considered graft failures**

	ILUC	U.S.
Number of transplants evaluated	75	6,750
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	98.67%	91.32%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	90.70%	--
Number of observed graft failures (including deaths) during the first year after transplant	1	551
Number of expected graft failures (including deaths) during the first year after transplant	6.84	--
Estimated hazard ratio*	0.34	--
95% credible interval for the hazard ratio**	[0.07, 0.82]	--

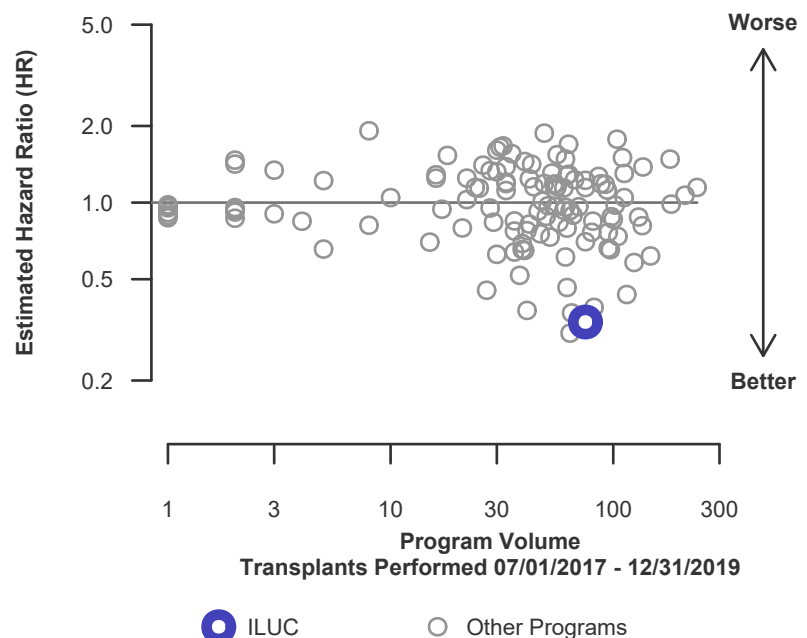
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would 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 ILUC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.07, 0.82], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 66% lower risk of graft failure compared to an average program, but ILUC's performance could plausibly range from 93% reduced risk up to 18% reduced risk.

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



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





## C. Transplant Information

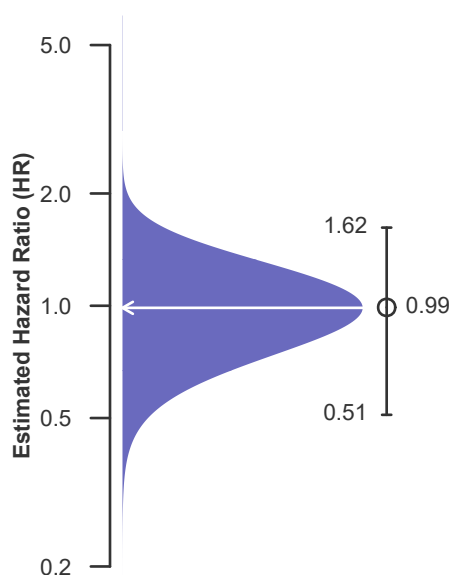
**Table C7D. Adult (18+) 3-year survival with a functioning deceased donor graft**  
**Single organ transplants performed between 01/01/2015 and 06/30/2017**  
**Deaths and retransplants are considered graft failures**

	ILUC	U.S.
Number of transplants evaluated	74	6,028
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	86.49%	85.47%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	86.31%	--
Number of observed graft failures (including deaths) during the first 3 years after transplant	10	873
Number of expected graft failures (including deaths) during the first 3 years after transplant	10.15	--
Estimated hazard ratio*	0.99	--
95% credible interval for the hazard ratio**	[0.51, 1.62]	--

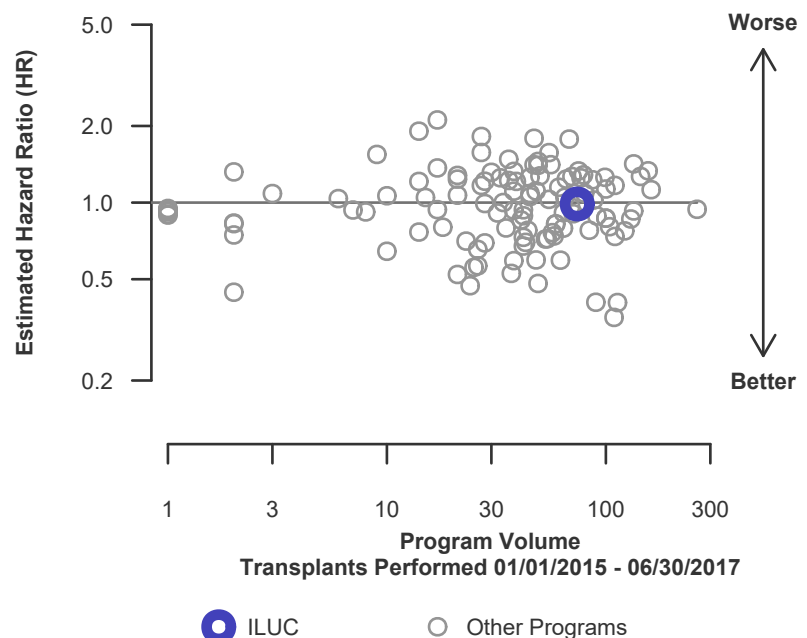
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would 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 ILUC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.51, 1.62], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 1% lower risk of graft failure compared to an average program, but ILUC's performance could plausibly range from 49% reduced risk up to 62% 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 C8D. Pediatric (<18) 1-month survival with a functioning deceased donor graft**

**Single organ transplants performed between 07/01/2017 and 12/31/2019**

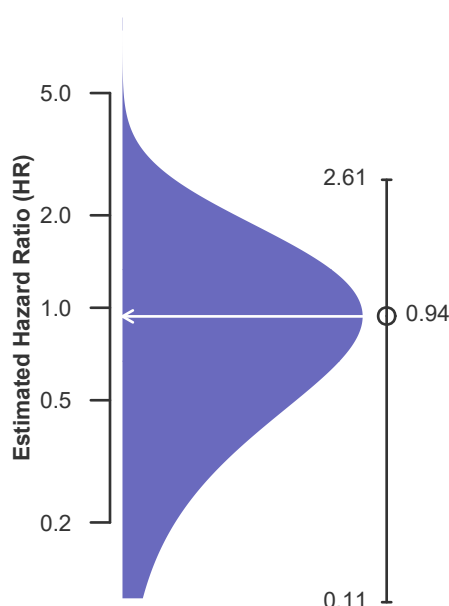
**Deaths and retransplants are considered graft failures**

	ILUC	U.S.
Number of transplants evaluated	5	1,228
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	100.00%	97.64%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	97.38%	--
Number of observed graft failures (including deaths) during the first month after transplant	0	29
Number of expected graft failures (including deaths) during the first month after transplant	0.13	--
Estimated hazard ratio*	0.94	--
95% credible interval for the hazard ratio**	[0.11, 2.61]	--

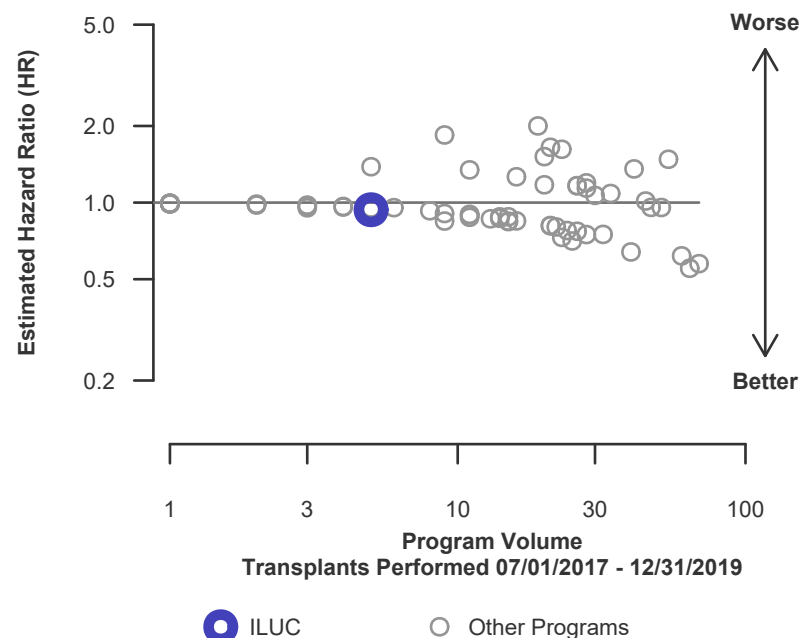
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would 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 ILUC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.11, 2.61], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 6% lower risk of graft failure compared to an average program, but ILUC's performance could plausibly range from 89% reduced risk up to 161% increased risk.

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



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





## C. Transplant Information

**Table C9D. Pediatric (<18) 1-year survival with a functioning deceased donor graft**

**Single organ transplants performed between 07/01/2017 and 12/31/2019**

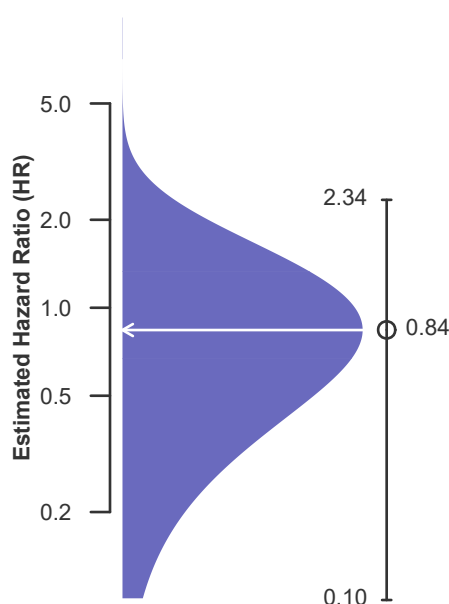
**Deaths and retransplants are considered graft failures**

	ILUC	U.S.
Number of transplants evaluated	5	1,228
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	100.00%	92.32%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	91.44%	--
Number of observed graft failures (including deaths) during the first year after transplant	0	87
Number of expected graft failures (including deaths) during the first year after transplant	0.38	--
Estimated hazard ratio*	0.84	--
95% credible interval for the hazard ratio**	[0.10, 2.34]	--

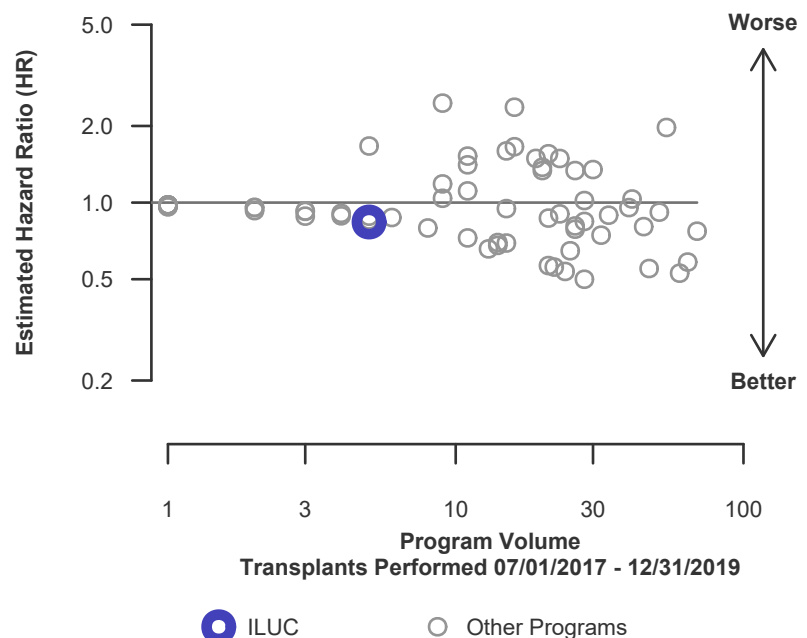
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would 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 ILUC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.10, 2.34], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 16% lower risk of graft failure compared to an average program, but ILUC's performance could plausibly range from 90% reduced risk up to 134% increased risk.

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



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





## C. Transplant Information

**Table C10D. Pediatric (<18) 3-year survival with a functioning deceased donor graft**  
**Single organ transplants performed between 01/01/2015 and 06/30/2017**  
**Deaths and retransplants are considered graft failures**

This center did not perform any  
transplants relevant to  
this table during  
01/01/2015-06/30/2017

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

This center did not perform any  
transplants relevant to  
this figure during  
01/01/2015-06/30/2017

**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  
01/01/2015-06/30/2017



## C. Transplant Information

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

**Single organ transplants performed between 07/01/2017 and 12/31/2019**

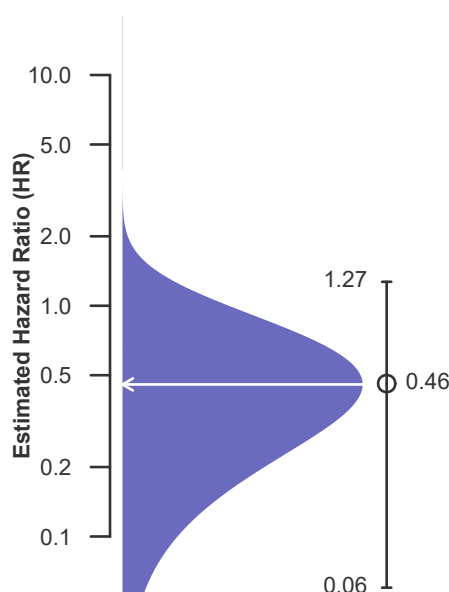
**Retransplants excluded**

	ILUC	U.S.
Number of transplants evaluated	73	6,582
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	96.98%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	96.80%	--
Number of observed deaths during the first month after transplant	0	199
Number of expected deaths during the first month after transplant	2.39	--
Estimated hazard ratio*	0.46	--
95% credible interval for the hazard ratio**	[0.06, 1.27]	--

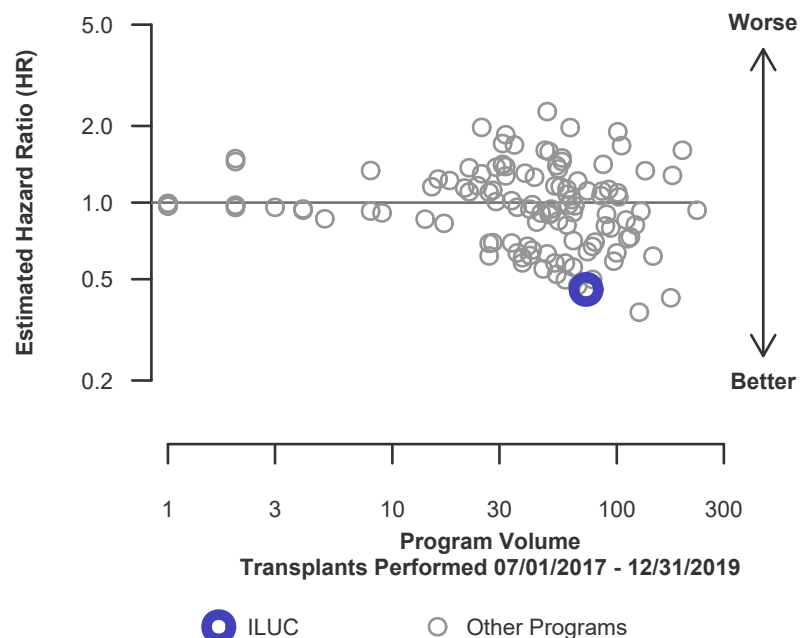
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would 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 ILUC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.06, 1.27], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 54% lower risk of patient death compared to an average program, but ILUC's performance could plausibly range from 94% reduced risk up to 27% increased risk.

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



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





## C. Transplant Information

**Table C12D. Adult (18+) 1-year patient survival (deceased donor graft recipients)**

**Single organ transplants performed between 07/01/2017 and 12/31/2019**

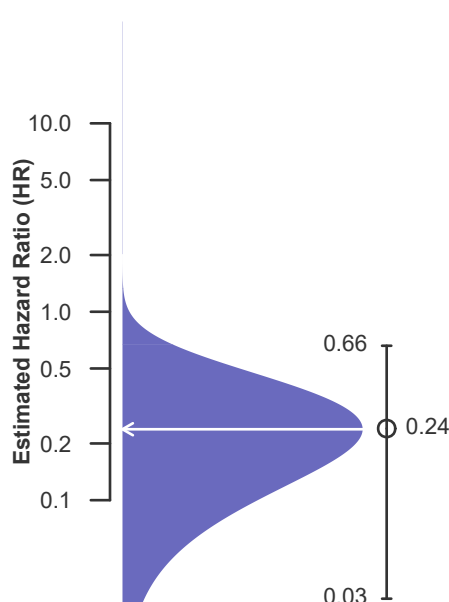
**Retransplants excluded**

	ILUC	U.S.
Number of transplants evaluated	73	6,582
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	100.00%	91.67%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	91.05%	--
Number of observed deaths during the first year after transplant	0	514
Number of expected deaths during the first year after transplant	6.41	--
Estimated hazard ratio*	0.24	--
95% credible interval for the hazard ratio**	[0.03, 0.66]	--

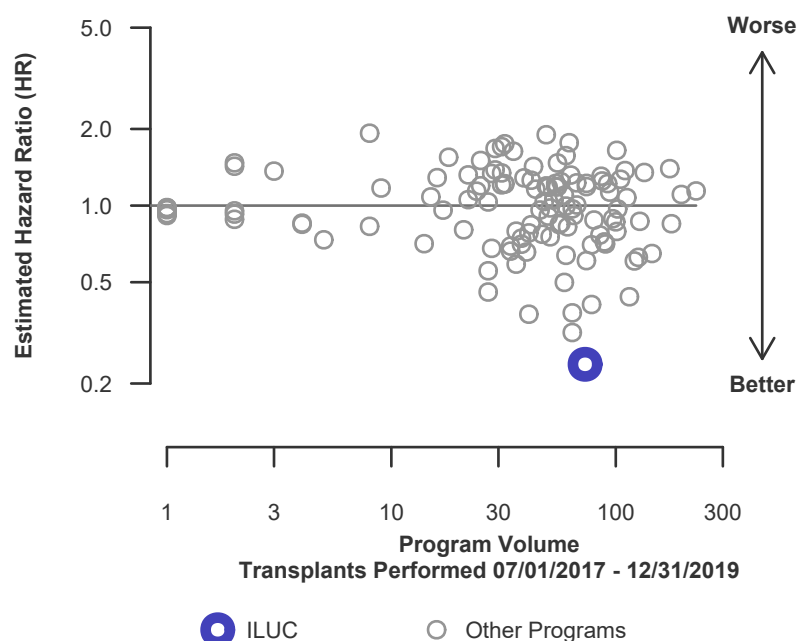
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would 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 ILUC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.03, 0.66], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 76% lower risk of patient death compared to an average program, but ILUC's performance could plausibly range from 97% reduced risk up to 34% reduced 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 C13D. Adult (18+) 3-year patient survival (deceased donor graft recipients)**

**Single organ transplants performed between 01/01/2015 and 06/30/2017**

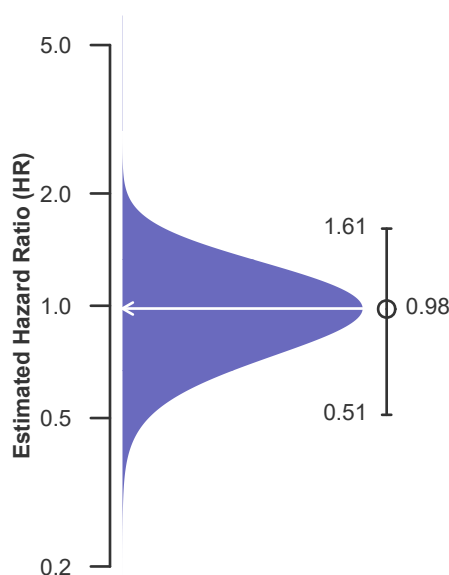
**Retransplants excluded**

	ILUC	U.S.
Number of transplants evaluated	74	5,900
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	86.49%	85.96%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	86.25%	--
Number of observed deaths during the first 3 years after transplant	10	826
Number of expected deaths during the first 3 years after transplant	10.21	--
Estimated hazard ratio*	0.98	--
95% credible interval for the hazard ratio**	[0.51, 1.61]	--

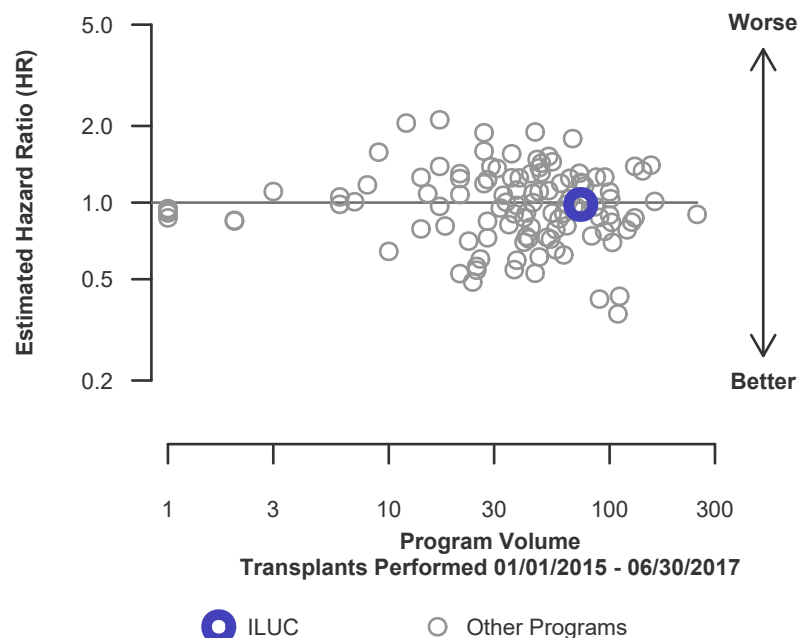
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would 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 ILUC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.51, 1.61], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 2% lower risk of patient death compared to an average program, but ILUC's performance could plausibly range from 49% reduced risk up to 61% increased risk.

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



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





## C. Transplant Information

**Table C14D. Pediatric (<18) 1-month patient survival (deceased donor graft recipients)**

**Single organ transplants performed between 07/01/2017 and 12/31/2019**

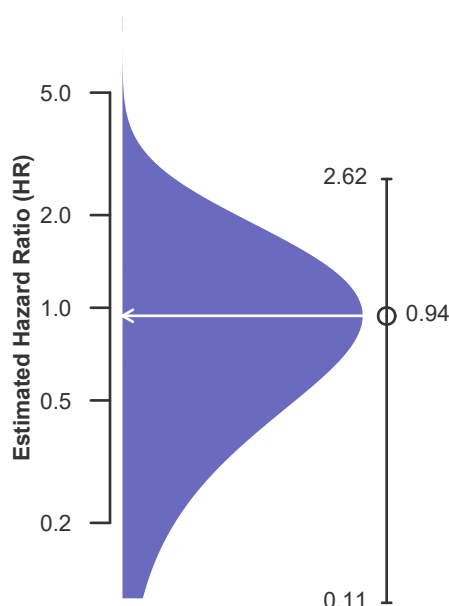
**Retransplants excluded**

	ILUC	U.S.
Number of transplants evaluated	5	1,176
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	97.62%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	97.56%	--
Number of observed deaths during the first month after transplant	0	28
Number of expected deaths during the first month after transplant	0.12	--
Estimated hazard ratio*	0.94	--
95% credible interval for the hazard ratio**	[0.11, 2.62]	--

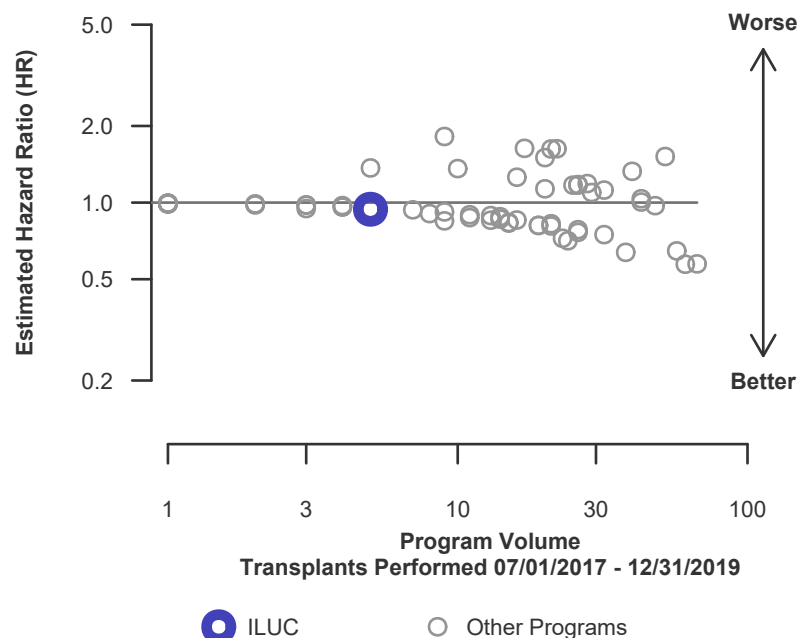
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would 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 ILUC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.11, 2.62], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 6% lower risk of patient death compared to an average program, but ILUC's performance could plausibly range from 89% reduced risk up to 162% increased risk.

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



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





## C. Transplant Information

**Table C15D. Pediatric (<18) 1-year patient survival (deceased donor graft recipients)**

**Single organ transplants performed between 07/01/2017 and 12/31/2019**

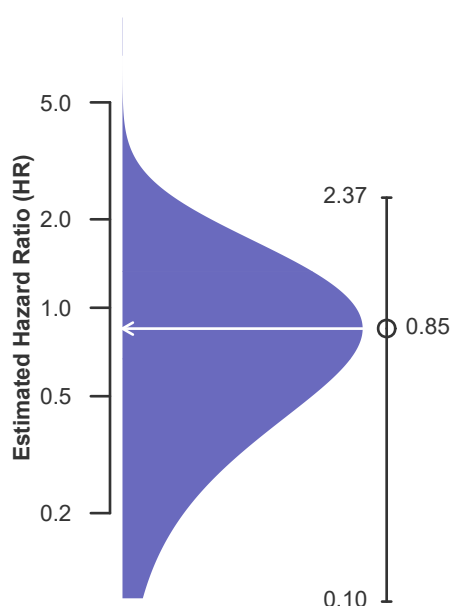
**Retransplants excluded**

	ILUC	U.S.
Number of transplants evaluated	5	1,176
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	100.00%	92.47%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	92.20%	--
Number of observed deaths during the first year after transplant	0	82
Number of expected deaths during the first year after transplant	0.35	--
Estimated hazard ratio*	0.85	--
95% credible interval for the hazard ratio**	[0.10, 2.37]	--

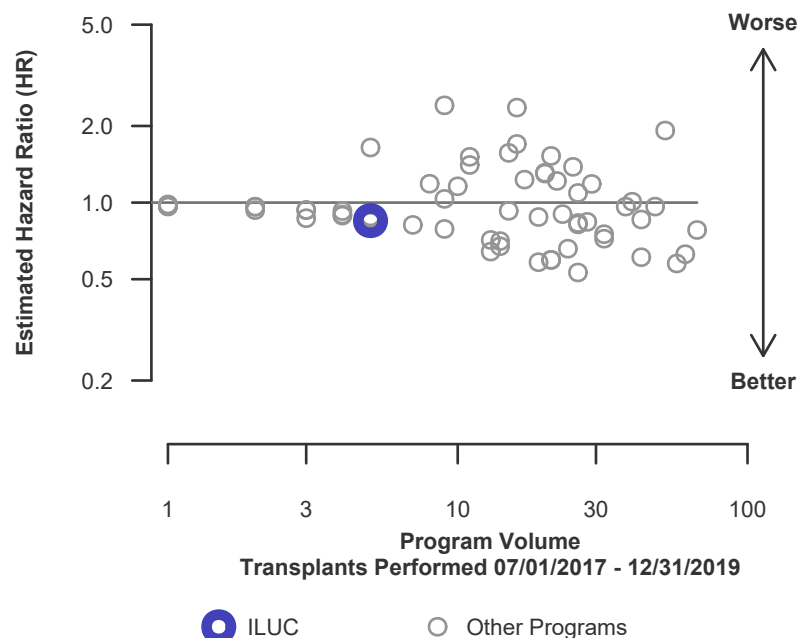
\* The hazard ratio provides an estimate of how University of Chicago Medical Center (ILUC)'s results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected patient death rates (e.g., a hazard ratio of 1.5 would 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 ILUC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

\*\* The 95% credible interval, [0.10, 2.37], indicates the location of ILUC's true hazard ratio with 95% probability. The best estimate is 15% lower risk of patient death compared to an average program, but ILUC's performance could plausibly range from 90% reduced risk up to 137% increased risk.

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



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







## C. Transplant Information

**Table C16D. Pediatric (<18) 3-year patient survival (deceased donor graft recipients)**  
**Single organ transplants performed between 01/01/2015 and 06/30/2017**  
**Retransplants excluded**

This center did not perform any  
transplants relevant to  
this table during  
01/01/2015-06/30/2017

**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  
01/01/2015-06/30/2017

**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  
01/01/2015-06/30/2017



## C. Transplant Information

Table C17. Multi-organ transplant graft survival: 07/01/2017 - 12/31/2019

### Adult (18+) Transplants

Transplant Type	First-Year Outcomes					
	Transplants Performed		Heart Graft Failures		Estimated Heart Graft Survival	
	ILUC-TX1	USA	ILUC-TX1	USA	ILUC-TX1	USA
Kidney-Heart	10	507	1	59	90.0%	88.1%
Kidney-Liver-Heart	6	9	0	2	100.0%	71.1%
Liver-Heart	4	96	1	11	75.0%	88.1%

### Pediatric (<18) Transplants

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

Table C18. Multi-organ transplant patient survival: 07/01/2017 - 12/31/2019

### Adult (18+) Transplants

Transplant Type	First-Year Outcomes					
	Transplants Performed		Patient Deaths		Estimated Patient Survival	
	ILUC-TX1	USA	ILUC-TX1	USA	ILUC-TX1	USA
Kidney-Heart	10	507	1	58	90.0%	88.3%
Kidney-Liver-Heart	6	9	0	2	100.0%	71.1%
Liver-Heart	4	96	1	11	75.0%	88.0%

### Pediatric (<18) Transplants

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