

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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User Guide

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

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

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

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

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

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



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confidence interval includes (crosses) 1.0, then we cannot say that this program's observed transplant rate is different from what would be expected. The observed deceased donor transplant rate at this program was 238.7 per 100 person-years. Transplant rates are also provided for adult and pediatric patients separately along with comparisons to adult and pediatric rates in the DSA, the OPTN region, and the nation. Please refer to the PSR Technical Methods documentation available at http://www.srtr.org for more detail regarding how expected rates are calculated.

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

Table B6 presents information on what happens to candidates on the waiting list by three different time points after listing: 6 months, 12 months, and 18 months. The table displays percentages of candidates who have died, been removed from the waiting list, been transplanted, or been transferred or lost-to-follow-up. Tables B7 and B8 provide more detail regarding how many candidates have received a deceased donor transplant by certain time points during the first 3 years after being put on the transplant waiting list. Each row of Tables B7 and B8 presents the percent of candidates who received a deceased donor transplant by each time point. Table B9 presents data on the time it took for different percentages of patients to be transplanted for candidates added to the list between 07/01/2013 and 12/31/2018. The time it took for 5% (the 5th percentile) of patients to receive a transplant at this program was 0.2 months. If "Not Observed" is displayed in the table, then too few candidates received transplants before 06/30/2019 to calculate a particular percentile of transplant times.

Table B10 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 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. Figures B7 shows the distribution of program offer acceptance rates as well as the offer acceptance rate for this program. Figures B8 - B12 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.



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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.

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

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



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A. Program Summary

Figure A1. Waiting list and transplant activity

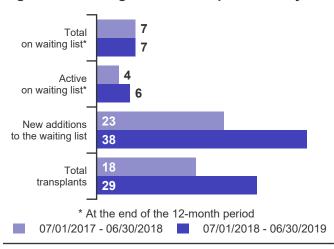


Table A1. Census of transplant recipients

Recipients	07/01/2017- 06/30/2018	07/01/2018- 06/30/2019
Transplanted at this center	18	29
Followed by this center*	171	176
transplanted at this program	n 162	164
transplanted elsewhere	9	12

^{*} 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 07/01/2017 - 06/30/2019

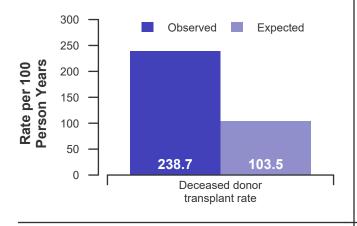


Figure A3. Waiting list mortality rates 07/01/2017 - 06/30/2019



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

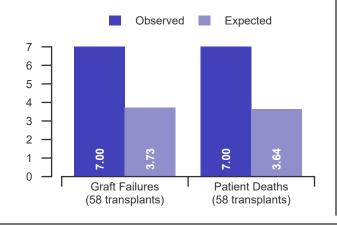


Figure A5. First-year pediatric graft and patient survival: 07/01/2016 - 12/31/2018

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



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

		its for center	Activity for 07/01/2018 to 06/30/2019 as percent of registrants on waiting list on 07/01/2018			
Waiting List Registrations	07/01/2017- 06/30/2018	07/01/2018- 06/30/2019	This Center (%)	OPTN Region (%)	U.S. (%)	
On waiting list at start Additions	16	7	100.0	100.0	100.0	
New listings at this center	23	38	542.9	106.4	116.4	
Removals						
Transferred to another center	0	0	0.0	2.1	2.8	
Received living donor transplant*	0	0	0.0	0.0	0.0	
Received deceased donor transplant*	18	29	414.3	73.0	87.8	
Died	0	1	14.3	8.2	6.6	
Transplanted at another center	0	0	0.0	1.5	1.3	
Deteriorated	8	7	100.0	9.3	7.7	
Recovered	4	1	14.3	4.6	6.2	
Other reasons	2	0	0.0	8.2	9.2	
On waiting list at end of period	7	7	100.0	99.5	94.8	

^{*} 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.



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

Demographic Characteristic		ting List Regi 018 to 06/30/2		All Waiting List Registrations on 06/30/2019 (%)			
	This Center (N=38)	OPTN Region (N=414)	U.S. (N=4,673)	This Center (N=7)	OPTN Region (N=387)	U.S. (N=3,804)	
All (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Ethnicity/Race (%)*							
White	86.8	78.3	60.8	100.0	76.0	59.8	
African-American	10.5	17.6	23.7	0.0	18.9	26.3	
Hispanic/Latino	2.6	2.9	10.5	0.0	2.8	10.6	
Asian	0.0	1.2	3.8	0.0	1.6	2.3	
Other	0.0	0.0	1.1	0.0	8.0	1.1	
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	
Age (%)							
<2 years	0.0	3.9	5.8	0.0	2.6	3.4	
2-11 years	0.0	4.3	4.7	0.0	2.8	4.2	
12-17 years	0.0	4.8	4.2	0.0	2.3	3.0	
18-34 years	2.6	7.7	9.4	14.3	12.1	11.6	
35-49 years	28.9	22.2	18.8	28.6	23.0	22.4	
50-64 years	57.9	41.3	42.1	57.1	45.0	44.6	
65-69 years	10.5	13.8	12.5	0.0	11.1	9.7	
70+ years	0.0	1.9	2.5	0.0	1.0	1.1	
Gender (%)							
Male	76.3	69.6	70.0	71.4	78.3	74.6	
Female	23.7	30.4	30.0	28.6	21.7	25.4	

^{*} 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%.



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

		ting List Regi 018 to 06/30/2		All Waiting List Registrations on 06/30/2019 (%)			
Medical Characteristic		OPTN Region	` '		OPTN Region	,	
	(N=38)	(N=414)	(N=4,673)	(N=7)	(N=387)	(N=3,804)	
All (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Blood Type (%)							
0	42.1	44.0	44.9	71.4	58.4	58.3	
A	39.5	40.3	36.1	28.6	30.2	28.9	
В	15.8	12.3	14.5	0.0	9.6	11.2	
AB	2.6	3.4	4.5	0.0	1.8	1.6	
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	
Previous Transplant (%)							
Yes	0.0	2.9	4.1	0.0	4.1	3.8	
No	100.0	97.1	95.9	100.0	95.9	96.2	
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	
Primary Disease (%)							
Cardiomyopathy	71.1	59.2	58.1	71.4	57.6	56.9	
Coronary Artery Disease	28.9	27.8	25.3	28.6	29.7	27.5	
Retransplant/Graft Failure	0.0	2.7	3.7	0.0	3.9	3.2	
Valvular Heart Disease	0.0	0.2	0.9	0.0	0.5	0.9	
Congenital Heart Disease	0.0	9.4	10.9	0.0	8.3	10.8	
Other	0.0	0.7	1.2	0.0	0.0	0.7	
Missing	0.0	0.0	0.0	0.0	0.0	0.0	
Medical Urgency Status at Listing	g (%)						
Status 1A	21.1	15.5	16.3	28.6	8.5	9.3	
Status 1B	10.5	12.1	13.8	14.3	25.1	24.9	
Status 2	5.3	10.1	8.8	14.3	28.2	27.7	
Adult Status 1	0.0	1.0	2.5	0.0	0.0	0.2	
Adult Status 2	23.7	12.8	10.4	0.0	1.3	1.6	
Adult Status 3	7.9	7.7	7.4	0.0	3.6	2.8	
Adult Status 4	18.4	22.9	23.4	14.3	17.8	18.2	
Adult Status 5	0.0	0.7	1.3	0.0	0.3	1.0	
Adult Status 6	10.5	10.9	13.1	28.6	8.0	10.4	
Temporarily Inactive	2.6	6.3	2.9	0.0	7.2	3.8	



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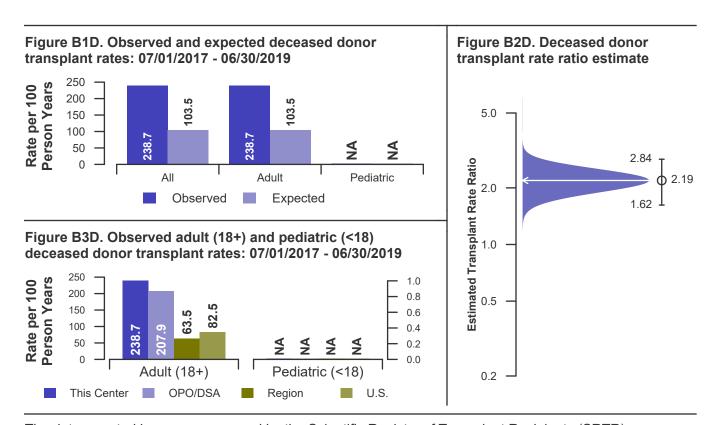
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Table B4D. Deceased donor transplant rates: 07/01/2017 - 06/30/2019

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	16	23	341	4,000
Person Years**	19.7	30.6	757.9	7,886.3
Removals for Transplant	47	58	517	6,833
Adult (18+) Candidates				
Count on waiting list at start*	16	17	315	3,606
Person Years**	19.7	23.6	697.5	7,082.8
Removals for transpant	47	49	443	5,846
Pediatric (<18) Candidates				
Count on waiting list at start*				
Person Years**				
Removals for transplant				

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

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





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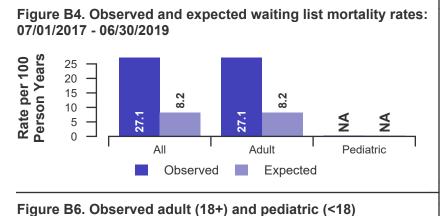
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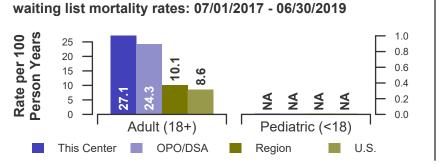
Table B5. Waiting list mortality rates: 07/01/2017 - 06/30/2019

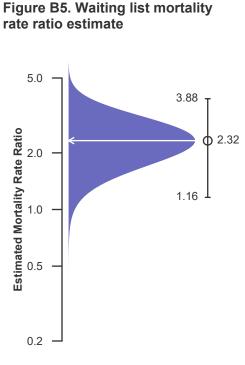
Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	16	23	341	4,000
Person Years**	33.2	46.7	864.9	9,064.5
Number of deaths	9	10	93	840
Adult (18+) Candidates				
Count on waiting list at start*	16	17	315	3,606
Person Years**	33.2	37.1	794.9	8,160.4
Number of deaths	9	9	80	703
Pediatric (<18) Candidates				
Count on waiting list at start*				
Person Years**				
Number of deaths				

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

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









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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

Waiting list status (survival status)		Center (N ns Since L	•		S. (N=4,53 ns Since L	,
	6	12	18	6	12	18
Alive on waiting list (%)	30.0	3.3	3.3	40.9	25.3	16.9
Died on the waiting list without transplant (%)	0.0	0.0	0.0	4.9	5.4	5.9
Removed without transplant (%):						
Condition worsened (status unknown)	20.0	26.7	26.7	4.2	5.3	5.9
Condition improved (status unknown)	0.0	6.7	6.7	1.1	2.0	2.8
Refused transplant (status unknown)	0.0	0.0	0.0	0.1	0.3	0.4
Other	6.7	6.7	6.7	1.4	2.9	3.9
Transplant (living or deceased donor) (%):						
Functioning (alive)	36.7	50.0	43.3	43.7	51.5	38.3
Failed-Retransplanted (alive)	0.0	0.0	0.0	0.0	0.0	0.0
Failed-alive not retransplanted	0.0	0.0	0.0	0.0	0.1	0.1
Died	6.7	6.7	10.0	2.4	3.9	5.3
Status Yet Unknown*	0.0	0.0	3.3	0.6	2.1	18.9
Lost or Transferred (status unknown) (%)	0.0	0.0	0.0	0.7	1.1	1.6
TOTAL (%)	100.0	100.0	100.0	100.0	100.0	100.0
Total % known died on waiting list or after transplant	6.7	6.7	10.0	7.3	9.4	11.2
Total % known died or removed as unstable	26.7	33.3	36.7	11.5	14.7	17.2
Total % removed for transplant	43.3	56.7	56.7	46.8	57.6	62.7
Total % with known functioning transplant (alive)	36.7	50.0	43.3	43.7	51.5	38.3

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



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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

Characteristic	Percent transplanted at time periods since listing This Center United States							_		
	N			2 years	3 years	N				3 years
All	98	22.4	57.1	67.3	70.4	13,020	14.9	52.5	60.9	64.0
Ethnicity/Race*										
White	79	22.8	57.0	68.4	72.2	8,038	15.2	52.7	61.2	64.2
African-American	13	15.4	53.8	53.8	53.8	3,032	12.6	48.1	57.3	60.8
Hispanic/Latino	1	100.0	100.0	100.0	100.0	1,318	15.2	56.8	63.8	67.1
Asian	3	33.3	66.7	100.0	100.0	496	22.8	61.9	69.0	71.8
Other	2	0.0	50.0	50.0	50.0	136	18.4	61.0	66.2	67.6
Unknown	0					0				
Age										
<2 years	0					804	18.0	61.3	62.6	62.8
2-11 years	0					587	13.3	63.0	69.3	72.2
12-17 years	0					506	23.9	72.1	77.7	79.1
18-34 years	10	20.0	30.0	30.0	30.0	1,207	13.3	48.6	57.0	60.6
35-49 years	19	26.3	73.7	73.7	78.9	2,378	12.8	46.3	57.3	61.2
50-64 years	50	22.0	58.0	72.0	76.0	5,556	14.0	51.0	60.5	64.2
65-69 years	18	16.7	50.0	66.7	66.7	1,672	15.7	52.5	59.7	62.0
70+ years	1	100.0	100.0	100.0	100.0	310	27.7	66.8	69.0	69.0
Gender										
Male	75	21.3	56.0	66.7	69.3	9,328	13.8	51.3	60.5	64.0
Female	23	26.1	60.9	69.6	73.9	3,692	17.7	55.6	61.8	64.0

^{*} 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%.



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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

Characteristic	Percent transplanted at time periods since listing This Center United States									
Characteristic	N			.eı 2 years	3 vears	N				3 years
All	98	22.4	57.1	67.3	70.4	13,020	14.9	52.5	60.9	64.0
Blood Type	90	22.4	57.1	07.5	70.4	13,020	14.5	32.3	00.9	04.0
O	42	11.9	38.1	54.8	61.9	5,842	9.4	43.9	53.4	57.2
A	38	28.9	71.1	78.9	78.9	4,708	18.2	58.0	65.7	68.5
В										69.3
	13	38.5	61.5	61.5	61.5	1,845	17.7	58.9	66.9	
AB	5	20.0	100.0	100.0	100.0	624	32.1	72.9	76.9	78.0
Previous Transplant	0	0.0	0.0	0.0	0.0	550	40.4	45.0	FO 0	FO 0
Yes	2	0.0	0.0	0.0	0.0	553	12.1	45.0	50.3	52.8
No	96	22.9	58.3	68.8	71.9	12,467	15.0	52.8	61.4	64.5
Primary Disease										
Cardiomyopathy	62	24.2	62.9	71.0	74.2	7,314	15.5	53.9	63.2	66.4
Coronary Artery Disease	31	22.6	48.4	64.5	67.7	3,665	13.9	50.6	58.8	62.5
Retransplant/Graft Failure	2	0.0	0.0	0.0	0.0	483	12.0	45.1	50.7	53.2
Valvular Heart Disease	1	0.0	100.0	100.0	100.0	144	19.4	55.6	61.8	63.9
Congenital Heart Disease	1	0.0	0.0	0.0	0.0	1,259	14.5	53.1	58.4	60.1
Other	1	0.0	100.0	100.0	100.0	155	14.2	44.5	51.0	52.3
Missing	0					0				
Medical Urgency Status at Lis	sting									
Old Status 1	0					0				
Status 1A	32	40.6	75.0	78.1	78.1	4,143	28.4	66.8	70.2	71.6
Status 1B	39	20.5	56.4	64.1	69.2	5,046	11.4	53.2	63.8	67.2
Status 2	21	0.0	33.3	57.1	61.9	3,384	4.4	35.8	47.1	52.0
Unknown	6	16.7	50.0	66.7	66.7	447	7.6	38.5	46.3	49.2



Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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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

	Months to Transplant**						
Percentile	Center	OPO/DSA	Region	U.S.			
5th	0.2	0.2	0.3	0.3			
10th	0.3	0.5	0.6	0.5			
25th	0.9	1.1	1.9	1.8			
50th (median time to transplant)	7.1	6.4	10.0	8.0			
75th	Not Observed	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 06/30/2019. Calculated as the months after listing, during which the corresponding percent of all patients initially listed had received a transplant.



Center Code: OHOU

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B. Waiting List Information

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

Offers Acceptance Characteristics	This Center	OPO/DSA	Region	U.S.
Overall				
Number of Offers	96	126	6,391	45,104
Number of Acceptances	27	32	258	3,219
Expected Acceptances	7.9	12.0	312.2	3,216.8
Offer Acceptance Ratio*	2.92	2.43	0.83	1.00
95% Credible Interval**	[1.96, 4.08]			
PHS increased infectious risk				
Number of Offers	34	41	2,046	13,883
Number of Acceptances	14	15	94	1,033
Expected Acceptances	3.8	4.4	120.3	1,031.5
Offer Acceptance Ratio*	2.77	2.67	0.78	1.00
95% Credible Interval**	[1.59, 4.29]			
Ejection fraction < 60				
Number of Offers	36	48	2,287	15,179
Number of Acceptances	9	12	94	908
Expected Acceptances	1.9	3.3	102.5	905.7
Offer Acceptance Ratio*	2.83	2.65	0.92	1.00
95% Credible Interval**	[1.41, 4.73]			
Donor Age >= 40				
Number of Offers	34	35	3,218	21,232
Number of Acceptances	7	7	49	748
Expected Acceptances	1.7	1.7	76.6	755.0
Offer Acceptance Ratio*	2.45	2.43	0.65	0.99
95% Credible Interval**	[1.12, 4.30]			
Hard-to-Place Hearts (Over 50 Offers)				
Number of Offers	26	30	2,770	13,632
Number of Acceptances	3	3	21	178
Expected Acceptances	0.4	8.0	32.3	181.8
Offer Acceptance Ratio*	2.07	1.81	0.67	0.98
95% Credible Interval**	[0.67, 4.24]			
Donor more than 500 miles away				
Number of Offers	40	46	1,917	12,917
Number of Acceptances	10	10	50	609
Expected Acceptances	1.9	2.6	72.8	605.7
Offer Acceptance Ratio*	3.05	2.63	0.69	1.01
95% Credible Interval**	[1.57, 5.00]			

^{*} The offer acceptance ratio estimates the relative offer acceptance practice of Ohio State University Medical Center (OHOU) 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, [1.96, 4.08], indicates the location of OHOU's true offer acceptance ratio with 95% probability. The best estimate is 192% more likely to accept an offer compared to national acceptance behavior, but OHOU's performance could plausibly range from 96% higher acceptance up to 308% higher acceptance.



Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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Figure B7. Offer acceptance: Overall Figure B8. Offer acceptance: PHS increased infectious risk OHOU OHOU 0.1 0.4 2.5 10 0.1 0.4 2.5 10 National National Lower ← Higher Lower ← Higher Average Average

Figure B9. Offer acceptance: Ejection fraction < 60

Figure B10. Offer acceptance: Donor age >= 40

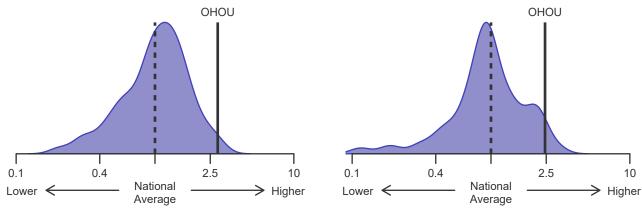


Figure B11. Offer acceptance: Offer number > 50

OHOU

0.1

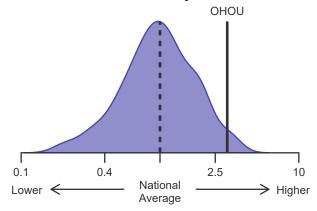
0.4

Lower

National
Average

Higher

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





Center Code: OHOU

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Based on Data Available: October 31, 2019

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C. Transplant Information

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

	Percentage in each category				
Characteristic	Center (N=29)	Region (N=284)	U.S. (N=3,525)		
Ethnicity/Race (%)*					
White	86.2	80.6	62.5		
African-American	10.3	16.5	21.7		
Hispanic/Latino	3.4	2.5	10.7		
Asian	0.0	0.4	4.2		
Other	0.0	0.0	0.9		
Unknown	0.0	0.0	0.0		
Age (%)					
<2 years	0.0	2.8	5.1		
2-11 years	0.0	4.2	4.6		
12-17	0.0	5.6	4.6		
18-34	3.4	10.6	9.8		
35-49 years	24.1	16.9	17.7		
50-64 years	55.2	40.8	40.7		
65-69 years	17.2	16.2	14.2		
70+ years	0.0	2.8	3.2		
Gender (%)					
Male	75.9	65.8	69.4		
Female	24.1	34.2	30.6		

^{*} 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%.



Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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C. Transplant Information

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

Characteristic	Percentage in each category Center Region U.S.			
Ondi deteriorie	(N=29)	(N=284)	(N=3,525)	
Blood Type (%)	, ,	,		
0	37.9	36.6	40.4	
Ä	41.4	44.0	38.4	
В	17.2	14.4	15.7	
AB	3.4	4.9	5.5	
Previous Transplant (%)	5.4	4.5	0.0	
Yes	0.0	1.4	3.9	
No	100.0	98.6	96.1	
Body Mass Index (%)	100.0	30.0	50.1	
0-20	3.4	19.7	20.7	
21-25	34.5	28.5	27.3	
26-30	27.6	25.0	28.4	
31-35	27.6	22.9	18.5	
36-40	6.9	3.9	4.1	
41+	0.9	0.0	0.5	
Unknown	0.0	0.0	0.6	
Primary Disease (%)	0.0	0.0	0.0	
Cardiomyopathy	75.9	63.7	61.5	
Coronary Artery Disease	24.1	25.4	24.5	
Retransplant/Graft Failure				
Valvular Heart Disease	0.0 0.0	0.0 0.7	0.0 1.0	

Congenital Heart Disease	0.0	10.2	11.5	
Other	0.0 0.0	0.0 0.0	1.5 0.1	
Missing	0.0	0.0	0.1	
Medical Urgency Status at Transplant (%)	20.7	22.4	20.6	
Status 1A	20.7	32.4	30.6	
Status 1B	17.2	6.3	9.0	
Status 2	0.0	0.7	1.4	
Adult Status 1	0.0	5.3	5.0	
Adult Status 2	31.0	29.2	26.2	
Adult Status 3	13.8	14.1	14.6	
Adult Status 4	17.2	11.3	10.5	
Adult Status 5	0.0	0.4	0.3	
Adult Status 6	0.0	0.4	2.5	
Recipient Medical Condition at Transplant (%)	F4 7	40.4	07.4	
Not Hospitalized	51.7	40.1	37.4	
Hospitalized	3.4	18.0	17.5	
ICU	44.8	41.9	44.8	
Unknown	0.0	0.0	0.3	
Recipient Mechanical, Ventilated or Organ-Perfusion Support		. ,	40.5	
No Support Mechanism	13.8	12.7	19.5	
Devices*	75.9	74.3	59.1	
Other Support Mechanism	10.3	13.0	21.2	
Unknown	0.0	0.0	0.2	

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



Center Code: OHOU

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C. Transplant Information

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

	Percentage in each category			
Donor Characteristic	Center (N=29)	Region (N=284)	U.S. (N=3,525)	
Cause of Death (%)				
Deceased: Stroke	17.2	13.7	14.0	
Deceased: MVA	27.6	16.2	18.9	
Deceased: Other	55.2	70.1	67.0	
Ethnicity/Race (%)*				
White	75.9	70.8	62.5	
African-American	17.2	20.1	16.7	
Hispanic/Latino	6.9	7.4	17.2	
Asian	0.0	0.7	1.8	
Other	0.0	1.1	1.8	
Not Reported	0.0	0.0	0.0	
Age (%)				
<2 years	0.0	2.1	4.0	
2-11 years	0.0	2.8	4.6	
12-17	0.0	7.4	7.5	
18-34	62.1	56.0	48.4	
35-49 years	31.0	27.1	28.4	
50-64 years	6.9	4.6	7.0	
65-69 years	0.0	0.0	0.0	
70+ years	0.0	0.0	0.0	
Gender (%)				
Male	75.9	60.9	68.4	
Female	24.1	39.1	31.6	
Blood Type (%)				
0	44.8	48.9	51.3	
A	44.8	39.8	34.9	
В	10.3	9.2	11.5	
AB	0.0	2.1	2.4	
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%.



Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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C. Transplant Information

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

	Percentage in each category				
Transplant Characteristic	Center (N=29)	Region (N=284)	U.S. (N=3,525)		
Total Ischemic Time (Minutes): Local (%)					
Deceased: 0-90 min	0.0	6.1	8.8		
Deceased: 91-180 min	90.0	73.2	59.4		
Deceased: 181-270 min	0.0	19.5	27.9		
Deceased: 271-360 min	0.0	0.0	1.9		
Deceased: 361+ min	0.0	0.0	0.7		
Not Reported	10.0	1.2	1.3		
Total Ischemic Time (Minutes): Shared (%)					
Deceased: 0-90 min	5.3	0.5	0.3		
Deceased: 91-180 min	10.5	9.4	13.8		
Deceased: 181-270 min	73.7	74.8	71.1		
Deceased: 271-360 min	10.5	14.4	12.2		
Deceased: 361+ min	0.0	1.0	1.0		
Not Reported	0.0	0.0	1.5		
Procedure Type (%)					
Heart alone	93.1	91.2	92.2		
Heart and another organ	6.9	8.8	7.8		
Sharing (%)					
Local	34.5	28.9	39.5		
Shared	65.5	71.1	60.5		
Median Time in Hospital After Transplant*	15.0 Days	18.0 Days	17.0 Days		

^{*} Multiple organ transplants are excluded from this statistic.



Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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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

Deaths and retransplants are considered graft failures	ОНОИ	U.S.
Number of transplants evaluated	58	6,572
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	96.55%	96.42%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	97.00%	
Number of observed graft failures (including deaths) during the first month after transplant	2	235
Number of expected graft failures (including deaths) during the first month after transplant	1.66	
Estimated hazard ratio*	1.09	
95% credible interval for the hazard ratio**	[0.30, 2.40]	

^{*} The hazard ratio provides an estimate of how Ohio State University Medical Center (OHOU)'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 OHOU's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

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

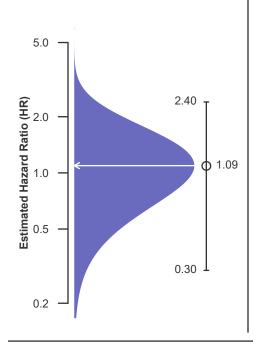
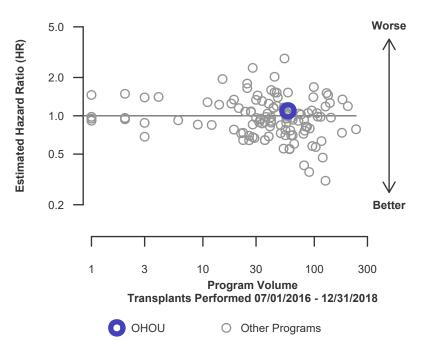


Figure C2D. Adult (18+) 1-month deceased donor graft failure HR program comparison



^{**} The 95% credible interval, [0.30, 2.40], indicates the location of OHOU's true hazard ratio with 95% probability. The best estimate is 9% higher risk of graft failure compared to an average program, but OHOU's performance could plausibly range from 70% reduced risk up to 140% increased risk.



Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

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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

Deaths and retransplants are considered graft failures	OHOU	U.S.
Number of transplants evaluated	58	6,572
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	87.36%	91.30%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	92.56%	
Number of observed graft failures (including deaths) during the first year after transplant	7	547
Number of expected graft failures (including deaths) during the first year after transplant	3.73	
Estimated hazard ratio*	1.57	
95% credible interval for the hazard ratio**	[0.72, 2.75]	

^{*} The hazard ratio provides an estimate of how Ohio State University Medical Center (OHOU)'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 OHOU's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

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

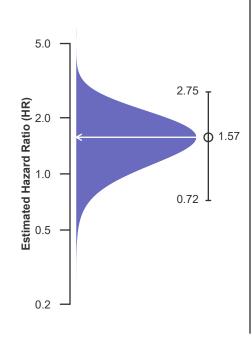
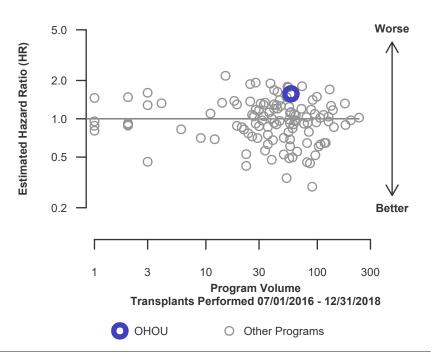


Figure C4D. Adult (18+) 1-year deceased donor graft failure HR program comparison



^{**} The 95% credible interval, [0.72, 2.75], indicates the location of OHOU's true hazard ratio with 95% probability. The best estimate is 57% higher risk of graft failure compared to an average program, but OHOU's performance could plausibly range from 28% reduced risk up to 175% increased risk.



Center Code: OHOU

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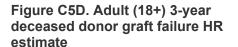
C. Transplant Information

Table C7D. Adult (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

Deaths and retransplants are considered graft failures	OHOU	U.S.
Number of transplants evaluated	55	5,552
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	87.27%	84.69%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	84.38%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	7	850
Number of expected graft failures (including deaths) during the first 3 years after transplant	8.95	
Estimated hazard ratio*	0.82	
95% credible interval for the hazard ratio**	[0.38, 1.44]	

^{*} The hazard ratio provides an estimate of how Ohio State University Medical Center (OHOU)'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 OHOU's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.38, 1.44], indicates the location of OHOU's true hazard ratio with 95% probability. The best estimate is 18% lower risk of graft failure compared to an average program, but OHOU's performance could plausibly range from 62% reduced risk up to 44% increased risk.



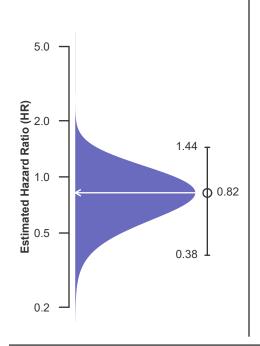
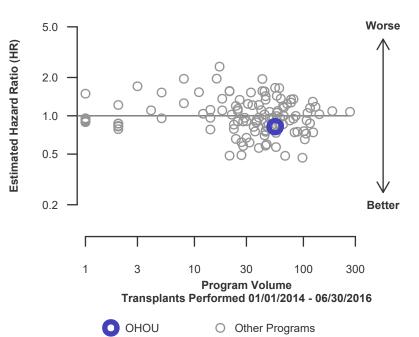


Figure C6D. Adult (18+) 3-year deceased donor graft failure HR program comparison





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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

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

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



Center Code: OHOU Transplant Program (Organ): Heart Release Date: January 7, 2020

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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 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

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



Center Code: OHOU Transplant Program (Organ): Heart Release Date: January 7, 2020

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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

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

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



Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

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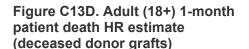
C. Transplant Information

Table C11D. Adult (18+) 1-month patient survival (deceased donor graft recipients)
Single organ transplants performed between 07/01/2016 and 12/31/2018
Potransplants excluded

Retransplants excluded	OHOU	U.S.
Number of transplants evaluated	58	6,420
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	96.55%	96.71%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	97.11%	
Number of observed deaths during the first month after transplant	2	211
Number of expected deaths during the first month after transplant	1.57	
Estimated hazard ratio*	1.12	
95% credible interval for the hazard ratio**	[0.31, 2.46]	

^{*} The hazard ratio provides an estimate of how Ohio State University Medical Center (OHOU)'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 OHOU's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.31, 2.46], indicates the location of OHOU's true hazard ratio with 95% probability. The best estimate is 12% higher risk of patient death compared to an average program, but OHOU's performance could plausibly range from 69% reduced risk up to 146% increased risk.



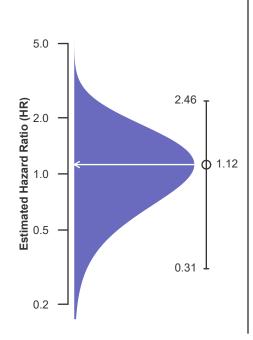
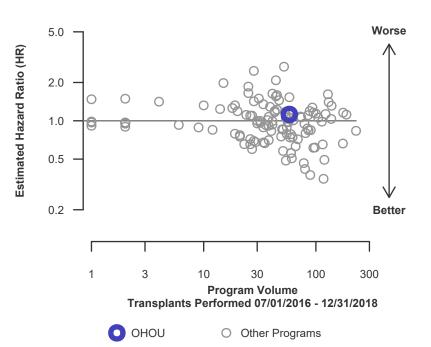


Figure C14D. Adult (18+) 1-month patient death HR program comparison (deceased donor grafts)





Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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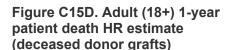
C. Transplant Information

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	OHOU	U.S.
Number of transplants evaluated	58	6,420
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	87.36%	91.60%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	92.58%	
Number of observed deaths during the first year after transplant	7	515
Number of expected deaths during the first year after transplant	3.64	
Estimated hazard ratio*	1.60	
95% credible interval for the hazard ratio**	[0.73, 2.80]	

^{*} The hazard ratio provides an estimate of how Ohio State University Medical Center (OHOU)'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 OHOU's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.73, 2.80], indicates the location of OHOU's true hazard ratio with 95% probability. The best estimate is 60% higher risk of patient death compared to an average program, but OHOU's performance could plausibly range from 27% reduced risk up to 180% increased risk.



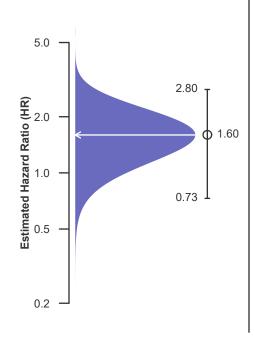
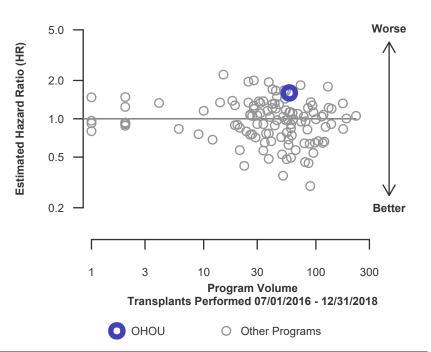


Figure C16D. Adult (18+) 1-year patient death HR program comparison (deceased donor grafts)





Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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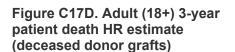
C. Transplant Information

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	OHOU	U.S.
Number of transplants evaluated	55	5,427
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	87.27%	85.19%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	85.08%	
Number of observed deaths during the first 3 years after transplant	7	804
Number of expected deaths during the first 3 years after transplant	8.49	
Estimated hazard ratio*	0.86	
95% credible interval for the hazard ratio**	[0.39, 1.50]	

^{*} The hazard ratio provides an estimate of how Ohio State University Medical Center (OHOU)'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 OHOU's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.39, 1.50], indicates the location of OHOU's true hazard ratio with 95% probability. The best estimate is 14% lower risk of patient death compared to an average program, but OHOU's performance could plausibly range from 61% reduced risk up to 50% increased risk.



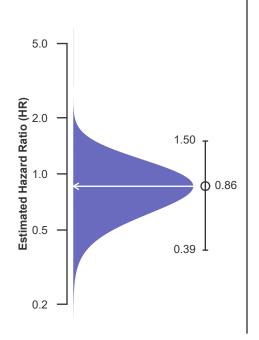
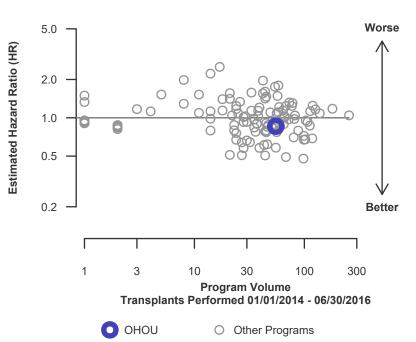


Figure C18D. Adult (18+) 3-year patient death HR program comparison (deceased donor grafts)





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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)

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

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



Center Code: OHOU Transplant Program (Organ): Heart Release Date: January 7, 2020

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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)

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

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



Center Code: OHOU Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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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)

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

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



Center Code: OHOU

Transplant Program (Organ): Heart Release Date: January 7, 2020

Based on Data Available: October 31, 2019

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C. Transplant Information

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

Adult (18+) Transplants First-Year Outcomes

Transplant Type	Transp Perfor OHOU-TX1	med	Hea Graft Fa OHOU-TX1	ilures	Estimate Graft Su OHOU-TX1	ırvival
Kidney-Heart	2	463	0	44	100.0%	90.1%

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 First-Year Outcomes

Transplant Type	•	Transplants Performed Patien		Estimated ent Deaths Patient Survival		
	OHOU-TX1 U	SA OHOU-	TX1 USA	OHOU-TX1	USA	
Kidney-Heart	2 4	-63 0	43	100.0%	90.3%	

Pediatric (<18) Transplants

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