

Center Code: OHCC Transplant Program (Organ): Intestine Release Date: January 5, 2021

Based on Data Available: October 31, 2020

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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 intestine transplant program at The Cleveland Clinic Foundation (OHCC). 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



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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 51.9 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.

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



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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.



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A. Program Summary

Figure A1. Waiting list and transplant activity

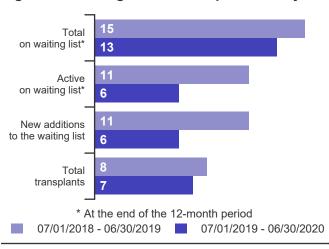


Table A1. Census of transplant recipients

Recipients	07/01/2018- 06/30/2019	07/01/2019- 06/30/2020
Transplanted at this center	8	7
Followed by this center*	80	75
transplanted at this prograr	n 52	49
transplanted elsewhere	28	26

^{*} 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

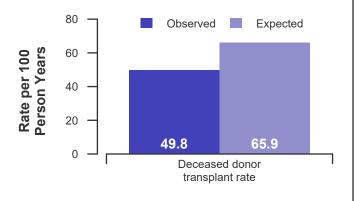


Figure A3. Waiting list mortality rates 07/01/2018 - 03/12/2020



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

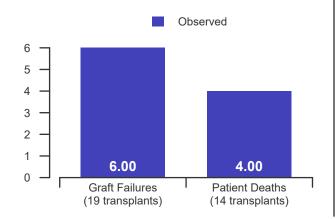
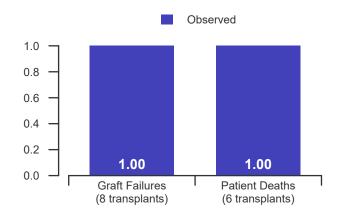


Figure A5. First-year pediatric graft and patient survival: 07/01/2017 - 12/31/2019





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

		nts for center	Activity for 07/01/2019 to 06/30/2020 as percent of registrants on waiting list on 07/01/2019			
Waiting List Registrations	07/01/2018- 06/30/2019	07/01/2019- 06/30/2020	This Center (%)	OPTN Region (%)	U.S. (%)	
On waiting list at start Additions	13	15	100.0	100.0	100.0	
New listings at this center	11	6	40.0	93.1	57.4	
Removals						
Transferred to another center	0	0	0.0	0.0	0.0	
Received living donor transplant*	0	0	0.0	0.0	0.0	
Received deceased donor transplant*	8	7	46.7	55.2	36.1	
Died	0	1	6.7	3.4	5.2	
Transplanted at another center	0	0	0.0	0.0	0.0	
Deteriorated	0	0	0.0	3.4	1.7	
Recovered	0	0	0.0	0.0	2.2	
Other reasons	1	0	0.0	0.0	2.6	
On waiting list at end of period	15	13	86.7	131.0	109.6	

^{*} 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.



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Table B2. Demographic characteristics of waiting list candidates
Candidates registered on the waiting list between 07/01/2019 and 06/30/2020

Domographic Characteristic		ing List Regis 119 to 06/30/20		All Waiting List Registrations on 06/30/2020 (%)			
Demographic Characteristic	This Center ((N=6)	OPTN Region (N=27)	U.S. (N=132)	This Center (N=13)	OPTN Region (N=38)	U.S. (N=252)	
AII (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Ethnicity/Race (%)*							
White	83.3	74.1	66.7	100.0	78.9	58.7	
African-American	16.7	11.1	15.2	0.0	13.2	19.0	
Hispanic/Latino	0.0	11.1	14.4	0.0	5.3	16.7	
Asian	0.0	3.7	3.0	0.0	2.6	3.6	
Other	0.0	0.0	0.8	0.0	0.0	2.0	
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	
Age (%)							
<2 years	0.0	7.4	8.3	0.0	7.9	28.6	
2-11 years	16.7	18.5	22.7	15.4	28.9	30.6	
12-17 years	0.0	0.0	3.0	0.0	0.0	5.2	
18-34 years	50.0	22.2	22.0	53.8	28.9	14.3	
35-49 years	16.7	29.6	25.0	23.1	21.1	13.5	
50-64 years	16.7	22.2	18.2	7.7	13.2	7.5	
65-69 years	0.0	0.0	0.8	0.0	0.0	0.4	
70+ years	0.0	0.0	0.0	0.0	0.0	0.0	
Gender (%)							
Male	66.7	48.1	54.5	46.2	47.4	54.8	
Female	33.3	51.9	45.5	53.8	52.6	45.2	

^{*} 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%.



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Table B3. Medical characteristics of waiting list candidates
Candidates registered on the waiting list between 07/01/2019 and 06/30/2020

Medical Characteristic		ting List Regis 019 to 06/30/20		All Waiting List Registrations on 06/30/2020 (%)		
medical characteristic	This Center OPTN Region U.S.		U.S. (N=132)	This Center (N=13)	OPTN Region (N=38)	U.S. (N=252)
All (%)	100.0	100.0	100.0	100.0	100.0	100.0
Blood Type (%)						
Ο	16.7	55.6	51.5	38.5	55.3	50.8
A	50.0	25.9	33.3	30.8	31.6	33.7
В	33.3	18.5	12.1	30.8	13.2	11.9
AB	0.0	0.0	3.0	0.0	0.0	3.6
Unknown	0.0	0.0	0.0	0.0	0.0	0.0
Previous Transplant (%)						
Yes	16.7	22.2	21.2	7.7	15.8	13.9
No	83.3	77.8	78.8	92.3	84.2	86.1
Unknown	0.0	0.0	0.0	0.0	0.0	0.0
Primary Disease (%)*						
Short Gut Syndrome	66.7	55.6	59.1	53.8	60.5	56.7
Functional Bowel Problem	0.0	11.1	9.1	7.7	10.5	19.8
Other	16.7	29.6	30.3	38.5	28.9	23.0
Missing*	16.7	3.7	1.5	0.0	0.0	0.4

^{*} When "retransplant" is indicated, the primary disease is passed forward from the prior transplant in order to indicate the initial primary disease causing organ failure. "Missing" may include some patients for whom retransplant is indicated but no prior diagnosis can be found.



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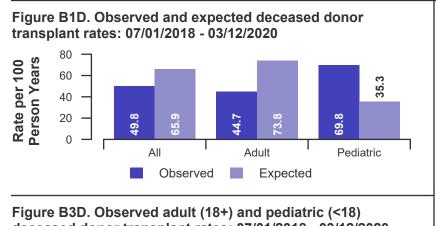
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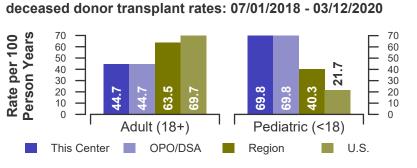
Table B4D. Deceased donor transplant rates: 07/01/2018 - 03/12/2020

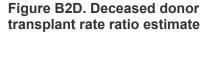
Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	13	13	27	247
Person Years**	28.1	28.1	55.4	404.2
Removals for Transplant	14	14	30	151
Adult (18+) Candidates				
Count on waiting list at start*	9	9	13	84
Person Years**	22.4	22.4	33.1	132.1
Removals for transpant	10	10	21	92
Pediatric (<18) Candidates				
Count on waiting list at start*	4	4	14	163
Person Years**	5.7	5.7	22.3	272.2
Removals for transplant	4	4	9	59

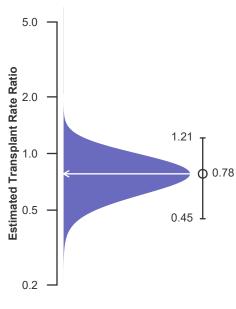
^{*} Counts in this table may be lower than similar counts in other waiting list tables, such as Table B1. A small percentage (~1%) of patients are found to have died or been transplanted before being removed from the waiting list, so these patients are excluded if the event occurs prior to the start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











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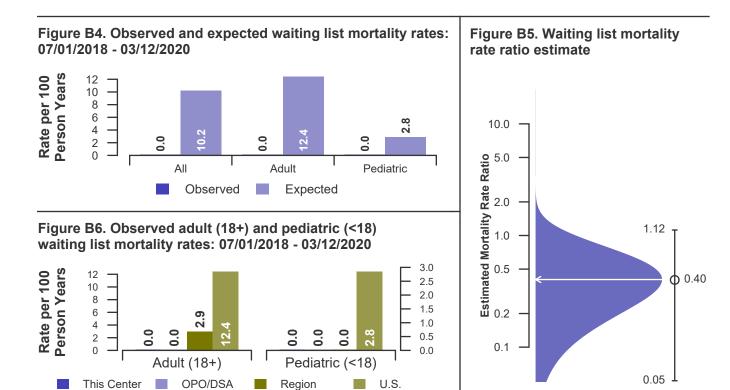
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Table B5. Waiting list mortality rates: 07/01/2018 - 03/12/2020

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	13	13	27	247
Person Years**	29.1	29.1	57.5	427.2
Number of deaths	0	0	1	26
Adult (18+) Candidates				
Count on waiting list at start*	9	9	13	84
Person Years**	22.4	22.4	34.0	145.4
Number of deaths	0	0	1	18
Pediatric (<18) Candidates				
Count on waiting list at start*	4	4	14	163
Person Years**	6.7	6.7	23.5	281.8
Number of deaths	0	0	0	8

^{*} 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.





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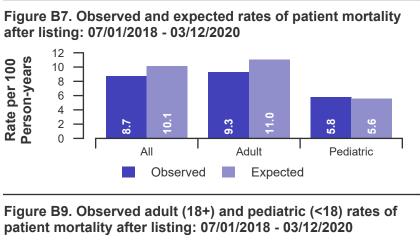
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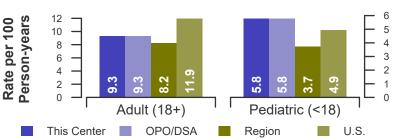
B. Waiting List Information

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

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Patients				
Count at risk during the evaluation period	78	78	188	827
Person-years*	103.5	103.5	236.4	1,010.4
Number of Deaths	9	9	17	88
Adult (18+) Patients				
Count at risk during the evaluation period	65	65	147	456
Person-years*	86.2	86.2	182.8	545.4
Number of Deaths	8	8	15	65
Pediatric (<18) Patients				
Count at risk during the evaluation period	13	13	41	371
Person-years*	17.4	17.4	53.6	465.0
Number of Deaths	1	1	2	23

^{*} 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.





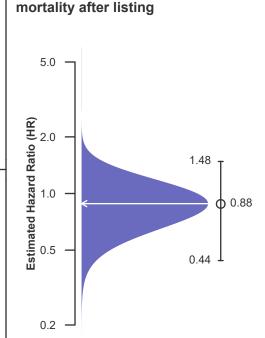


Figure B8. HR estimate of patient

^{**} 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.



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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)		Center (N	,	U.S. (N=139) Months Since Listing			
Training not out to (our treat out to)	6	12	18	6	12	18	
Alive on waiting list (%)	53.3	40.0	40.0	50.4	30.2	25.2	
Died on the waiting list without transplant (%)	0.0	0.0	0.0	2.2	2.2	3.6	
Removed without transplant (%):							
Condition worsened (status unknown)	0.0	0.0	0.0	0.7	0.7	1.4	
Condition improved (status unknown)	0.0	0.0	0.0	1.4	2.9	3.6	
Refused transplant (status unknown)	0.0	0.0	0.0	0.0	0.0	0.0	
Other	0.0	0.0	0.0	2.2	2.9	2.9	
Transplant (living or deceased donor) (%):							
Functioning (alive)	33.3	46.7	33.3	36.0	46.0	30.2	
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	0.0	0.0	
Died	13.3	13.3	13.3	5.8	12.9	18.0	
Status Yet Unknown*	0.0	0.0	13.3	1.4	2.2	15.1	
Lost or Transferred (status unknown) (%)	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Total % known died on waiting list or after transplant	13.3	13.3	13.3	7.9	15.1	21.6	
Total % known died or removed as unstable	13.3	13.3	13.3	8.6	15.8	23.0	
Total % removed for transplant	46.7	60.0	60.0	43.2	61.2	63.3	
Total % with known functioning transplant (alive)	33.3	46.7	33.3	36.0	46.0	30.2	

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



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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

		Percent transplanted at time periods since listing								
Characteristic			nis Cent					ited Sta		
	N	30 day	1 year	2 years	3 years	N	30 day	1 year	2 years	3 years
All	63	27.0	69.8	79.4	82.5	583	15.8	56.3	63.1	65.0
Ethnicity/Race*										
White	59	27.1	67.8	78.0	81.4	369	18.4	58.8	66.9	68.3
African-American	1	100.0	100.0	100.0	100.0	100	9.0	53.0	57.0	59.0
Hispanic/Latino	3	0.0	100.0	100.0	100.0	90	11.1	52.2	57.8	61.1
Asian	0					17	23.5	47.1	47.1	47.1
Other	0					7	14.3	42.9	57.1	71.4
Unknown	0					0				
Age										
<2 years	4	0.0	50.0	75.0	75.0	104	10.6	42.3	48.1	51.0
2-11 years	5	20.0	60.0	60.0	60.0	130	10.8	53.1	60.0	60.0
12-17 years	2	0.0	0.0	0.0	0.0	30	3.3	40.0	53.3	60.0
18-34 years	20	30.0	70.0	80.0	85.0	107	22.4	66.4	72.0	73.8
35-49 years	15	40.0	80.0	86.7	93.3	101	20.8	66.3	72.3	75.2
50-64 years	15	20.0	73.3	86.7	86.7	104	19.2	58.7	67.3	68.3
65-69 years	2	50.0	100.0	100.0	100.0	7	14.3	57.1	57.1	57.1
70+ years	0					0				
Gender										
Male	24	16.7	66.7	70.8	70.8	311	13.5	56.6	64.3	65.6
Female	39	33.3	71.8	84.6	89.7	272	18.4	55.9	61.8	64.3

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



Center Code: OHCC

Transplant Program (Organ): Intestine

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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 This Center					ne periods since listing United States			
	N	30 day	1 year	2 years	3 years	N	30 day	1 year	2 years	3 years
All	63	27.0	69.8	79.4	82.5	583	15.8	56.3	63.1	65.0
Blood Type										
0	23	47.8	69.6	82.6	87.0	286	16.4	55.2	64.3	66.4
A	23	13.0	78.3	82.6	82.6	196	14.8	57.1	62.8	63.8
В	15	13.3	60.0	73.3	73.3	76	13.2	56.6	59.2	61.8
AB	2	50.0	50.0	50.0	100.0	25	24.0	60.0	64.0	68.0
Previous Transplant										
Yes	8	37.5	62.5	87.5	87.5	85	17.6	63.5	72.9	76.5
No	55	25.5	70.9	78.2	81.8	498	15.5	55.0	61.4	63.1
Primary Disease*										
Short Gut Syndrome	33	15.2	69.7	84.8	84.8	355	15.2	60.3	67.6	69.0
Functional Bowel Problem	1	100.0	100.0	100.0	100.0	65	6.2	35.4	47.7	50.8
Other	29	37.9	69.0	72.4	79.3	162	21.0	55.6	59.3	61.7
Missing*	0					1	0.0	100.0	100.0	100.0

^{*} When "retransplant" is indicated, the primary disease is passed forward from the prior transplant in order to indicate the initial primary disease causing organ failure. "Missing" may include some patients for whom retransplant is indicated but no prior diagnosis can be found.



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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	Months to Transplant**								
	Center	OPO/DSA	Region	U.S.					
5th	0.2	0.2	0.2	0.3					
10th	0.3	0.3	0.4	0.5					
25th	1.4	1.4	1.4	1.8					
50th (median time to transplant)	5.0	5.0	5.6	7.4					
75th	18.8	18.8	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.



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C. Transplant Information

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

	Percei	Percentage in each category		
Characteristic	Center (N=7)	Region (N=16)	U.S. (N=83)	
Ethnicity/Race (%)*				
White	85.7	75.0	61.4	
African-American	14.3	18.8	24.1	
Hispanic/Latino	0.0	6.2	10.8	
Asian	0.0	0.0	3.6	
Other	0.0	0.0	0.0	
Unknown	0.0	0.0	0.0	
Age (%)				
<2 years	0.0	6.2	7.2	
2-11 years	14.3	12.5	24.1	
12-17	14.3	6.2	4.8	
18-34	57.1	25.0	26.5	
35-49 years	14.3	25.0	20.5	
50-64 years	0.0	18.8	13.3	
65-69 years	0.0	6.2	3.6	
70+ years	0.0	0.0	0.0	
Gender (%)				
Male	71.4	50.0	54.2	
Female	28.6	50.0	45.8	

^{*} 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: OHCC

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C. Transplant Information

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

	Percer	Percentage in each category		
Characteristic	Center (N=7)	Region (N=16)	U.S. (N=83)	
Blood Type (%)				
0	42.9	56.2	54.2	
A	28.6	18.8	27.7	
В	28.6	25.0	16.9	
AB	0.0	0.0	1.2	
Previous Transplant (%)				
Yes	28.6	18.8	16.9	
No	71.4	81.2	83.1	
Body Mass Index (%)				
0-20	28.6	56.2	59.0	
21-25	71.4	43.8	26.5	
26-30	0.0	0.0	6.0	
31-35	0.0	0.0	2.4	
36-40	0.0	0.0	3.6	
41+	0.0	0.0	2.4	
Unknown	0.0	0.0	0.0	
Primary Disease (%)*				
Short Gut Syndrome	85.7	68.8	61.4	
Functional Bowel Problem	0.0	6.2	16.9	
Other	0.0	18.8	20.5	
Missing*	14.3	6.2	1.2	
Recipient Medical Condition at Transplant (%)				
Not Hospitalized	100.0	81.2	84.3	
Hospitalized	0.0	18.8	10.8	
ICU	0.0	0.0	4.8	
Unknown	0.0	0.0	0.0	

^{*} When "retransplant" is indicated, the primary disease is passed forward from the prior transplant in order to indicate the initial primary disease causing organ failure. "Missing" may include some patients for whom retransplant is indicated but no prior diagnosis can be found.



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C. Transplant Information

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

	Percentage in each category		
Donor Characteristic	Center (N=7)	Region (N=16)	U.S. (N=83)
Cause of Death (%)			
Deceased: Stroke	0.0	0.0	8.4
Deceased: MVA	28.6	12.5	14.5
Deceased: Other	71.4	87.5	77.1
Ethnicity/Race (%)*			
White	100.0	87.5	62.7
African-American	0.0	12.5	15.7
Hispanic/Latino	0.0	0.0	18.1
Asian	0.0	0.0	2.4
Other	0.0	0.0	1.2
Not Reported	0.0	0.0	0.0
Age (%)			
<2 years	0.0	6.2	19.3
2-11 years	14.3	18.8	26.5
12-17	42.9	31.2	15.7
18-34	42.9	37.5	31.3
35-49 years	0.0	6.2	7.2
50-64 years	0.0	0.0	0.0
65-69 years	0.0	0.0	0.0
70+ years	0.0	0.0	0.0
Gender (%)			
Male	85.7	56.2	65.1
Female	14.3	43.8	34.9
Blood Type (%)			
0	42.9	68.8	67.5
A	28.6	12.5	21.7
В	28.6	18.8	10.8
AB	0.0	0.0	0.0
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%.



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C. Transplant Information

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

	Percentage in each category		
Transplant Characteristic	Center (N=7)	Region (N=16)	U.S. (N=83)
Total Ischemic Time (Hours): Local (%)			
Deceased: 0-5 hr	33.3	33.3	66.7
Deceased: 6-10 hr	66.7	66.7	33.3
Deceased: 11-15 hr	0.0	0.0	0.0
Deceased: 16-20 hr	0.0	0.0	0.0
Deceased: 21+ hr	0.0	0.0	0.0
Not Reported	0.0	0.0	0.0
Total Ischemic Time (Hours): Shared (%)			
Deceased: 0-5 hr	0.0	15.4	22.1
Deceased: 6-10 hr	100.0	84.6	72.7
Deceased: 11-15 hr	0.0	0.0	3.9
Deceased: 16-20 hr	0.0	0.0	0.0
Deceased: 21+ hr	0.0	0.0	0.0
Not Reported	0.0	0.0	1.3
Procedure Type (%)			
Intestine alone	42.9	50.0	49.4
Intestine and another organ	57.1	50.0	50.6
Sharing (%)			
Local	42.9	18.8	7.2
Shared	57.1	81.2	92.8
Median Time in Hospital After Transplant*	29.0 Days	42.0 Days	43.0 Days

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



Center Code: OHCC Transplant Program (Organ): Intestine Release Date: January 5, 2021

Based on Data Available: October 31, 2020

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C. Transplant Information

Table C5D. Adult (18+) 1-month survival with a functioning deceased donor graft Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 07/01/2017 and 12/31/2019

Deaths and retransplants are considered graft failures **OHCC** U.S. Number of transplants evaluated 19 128 Estimated probability of surviving with a functioning graft at 1 month 100.00% 90.62% (unadjusted for patient and donor characteristics) Expected probability of surviving with a functioning graft at 1 month 90.69% (adjusted for patient and donor characteristics) Number of observed graft failures (including deaths) 0 12 during the first month after transplant Number of expected graft failures (including deaths) 1.86 during the first month after transplant Estimated hazard ratio* 0.52 95% credible interval for the hazard ratio** [0.06, 1.44]

^{**} The 95% credible interval, [0.06, 1.44], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 48% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 94%

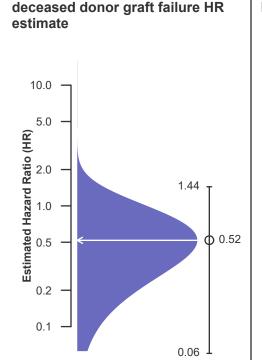
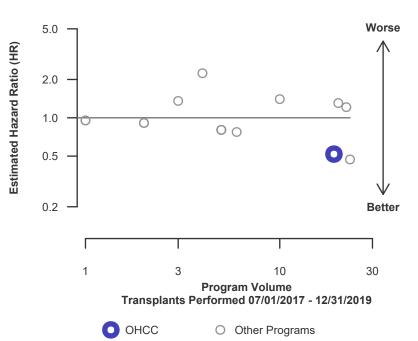


Figure C1D. Adult (18+) 1-month





^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.



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Center Code: OHCC Transplant Program (Organ): Intestine

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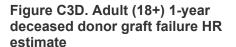
C. Transplant Information

Table C6D. Adult (18+) 1-year survival with a functioning deceased donor graft Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 07/01/2017 and 12/31/2019 Deaths and retransplants are considered graft failures

Deaths and retransplants are considered grant failures	OHCC	U.S.
Number of transplants evaluated	19	128
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	67.20%	72.24%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	72.38%	
Number of observed graft failures (including deaths) during the first year after transplant	6	34
Number of expected graft failures (including deaths) during the first year after transplant	5.14	
Estimated hazard ratio*	1.12	
95% credible interval for the hazard ratio**	[0.48, 2.02]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.48, 2.02], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 12% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 52%



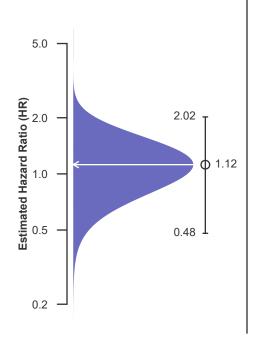
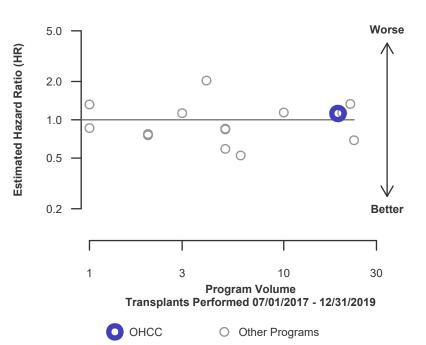


Figure C4D. Adult (18+) 1-year deceased donor graft failure HR program comparison





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C. Transplant Information

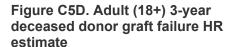
Table C7D. Adult (18+) 3-year survival with a functioning deceased donor graft Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 01/01/2015 and 06/30/2017

Deaths and retransplants are considered graft failures

Deaths and retransplants are considered graft failures	OHCC	U.S.
Number of transplants evaluated	38	184
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	65.68%	56.48%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	56.63%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	13	80
Number of expected graft failures (including deaths) during the first 3 years after transplant	18.36	
Estimated hazard ratio*	0.74	
95% credible interval for the hazard ratio**	[0.41, 1.15]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.41, 1.15], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 26% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 59%



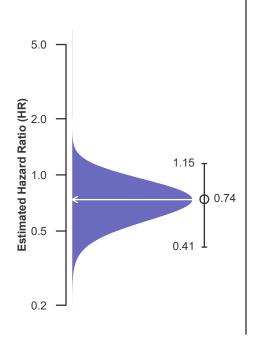
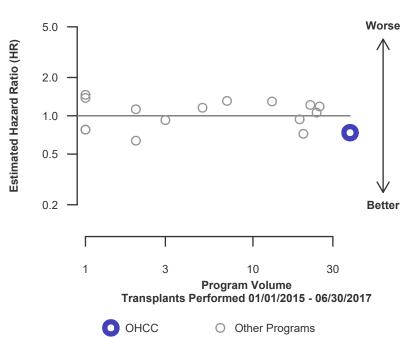


Figure C6D. Adult (18+) 3-year deceased donor graft failure HR program comparison





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C. Transplant Information

Table C8D. Pediatric (<18) 1-month survival with a functioning deceased donor graft Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 07/01/2017 and 12/31/2019

Deaths and retransplants are considered graft failures

	OHCC	U.S.
Number of transplants evaluated	8	96
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	100.00%	95.83%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	95.87%	
Number of observed graft failures (including deaths) during the first month after transplant	0	4
Number of expected graft failures (including deaths) during the first month after transplant	0.34	
Estimated hazard ratio*	0.86	
95% credible interval for the hazard ratio**	[0.10, 2.38]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.10, 2.38], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 14% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 90%

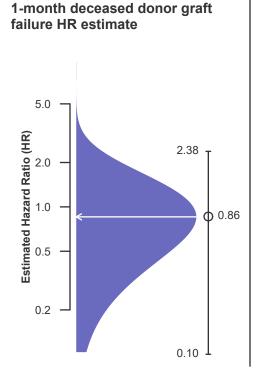
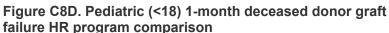
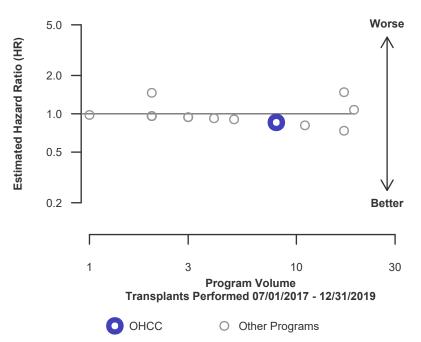


Figure C7D. Pediatric (<18)







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C. Transplant Information

Table C9D. Pediatric (<18) 1-year survival with a functioning deceased donor graft Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 07/01/2017 and 12/31/2019

Deaths and retransplants are considered graft failures **OHCC** U.S. Number of transplants evaluated 8 96 Estimated probability of surviving with a functioning graft at 1 year 83.33% 80.33% (unadjusted for patient and donor characteristics) Expected probability of surviving with a functioning graft at 1 year 80.46% (adjusted for patient and donor characteristics) Number of observed graft failures (including deaths) 1 17 during the first year after transplant Number of expected graft failures (including deaths) 1.41 during the first year after transplant Estimated hazard ratio* 0.88 95% credible interval for the hazard ratio** [0.18, 2.12]

^{**} The 95% credible interval, [0.18, 2.12], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 12% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 82%

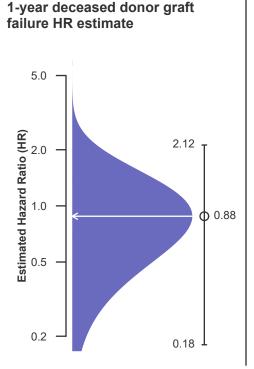
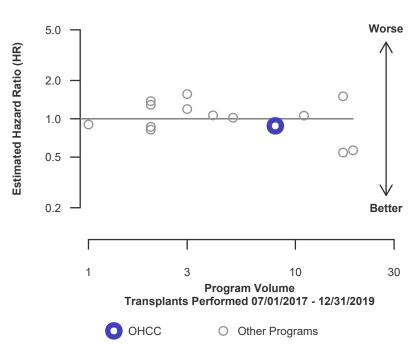


Figure C9D. Pediatric (<18)





^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.



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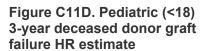
C. Transplant Information

Table C10D. Pediatric (<18) 3-year survival with a functioning deceased donor graft Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 01/01/2015 and 06/30/2017

Deaths and retransplants are considered graft failures	OHCC	U.S.
Number of transplants evaluated	6	136
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	50.00%	66.18%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	66.33%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	3	46
Number of expected graft failures (including deaths) during the first 3 years after transplant	1.77	
Estimated hazard ratio*	1.33	
95% credible interval for the hazard ratio**	[0.43, 2.72]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.43, 2.72], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 33% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 57%



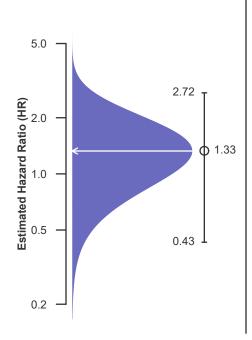
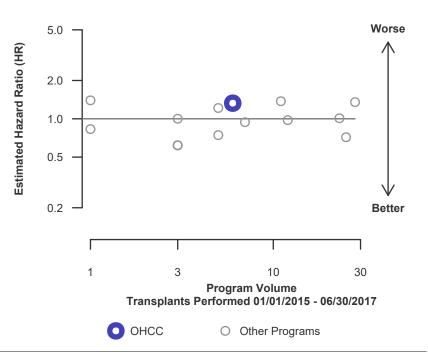


Figure C12D. Pediatric (<18) 3-year deceased donor graft failure HR program comparison





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C. Transplant Information

Table C11D. Adult (18+) 1-month patient survival (deceased donor graft recipients) Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 07/01/2017 and 12/31/2019

Retransplants excluded	OHCC	U.S.
Number of transplants evaluated	14	115
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	93.04%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	93.09%	
Number of observed deaths during the first month after transplant	0	8
Number of expected deaths during the first month after transplant	1.00	
Estimated hazard ratio*	0.67	
95% credible interval for the hazard ratio**	[0.08, 1.86]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.08, 1.86], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 33% lower risk of patient death compared to an average program, but OHCC's performance could plausibly range from 92% reduced risk up to 86% increased risk.

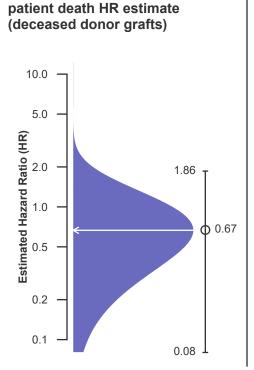
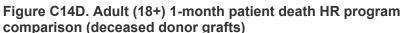
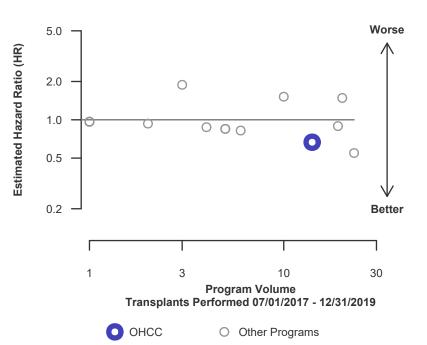


Figure C13D. Adult (18+) 1-month







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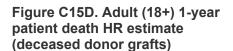
C. Transplant Information

Table C12D. Adult (18+) 1-year patient survival (deceased donor graft recipients) Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 07/01/2017 and 12/31/2019

Retransplants excluded	OHCC	U.S.
Number of transplants evaluated	14	115
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	71.43%	77.15%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	77.28%	
Number of observed deaths during the first year after transplant	4	25
Number of expected deaths during the first year after transplant	3.08	
Estimated hazard ratio*	1.18	
95% credible interval for the hazard ratio**	[0.43, 2.30]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.43, 2.30], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 18% higher risk of patient death compared to an average program, but OHCC's performance could plausibly range from 57% reduced risk up to 130% increased risk.



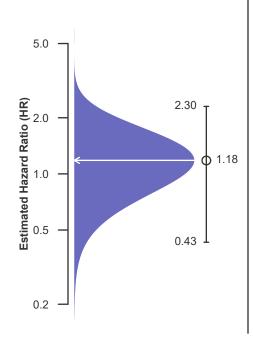
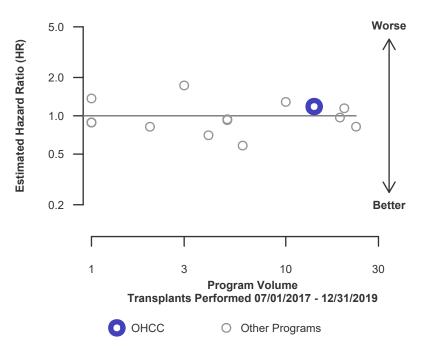


Figure C16D. Adult (18+) 1-year patient death HR program comparison (deceased donor grafts)





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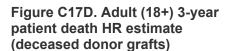
Table C13D. Adult (18+) 3-year patient survival (deceased donor graft recipients) Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 01/01/2015 and 06/30/2017

Retransplants excluded

Retiansplants excluded	OHCC	U.S.
Number of transplants evaluated	34	166
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	73.41%	66.21%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	66.33%	
Number of observed deaths during the first 3 years after transplant	9	56
Number of expected deaths during the first 3 years after transplant	12.18	
Estimated hazard ratio*	0.78	
95% credible interval for the hazard ratio**	[0.39, 1.30]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.39, 1.30], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 22% lower risk of patient death compared to an average program, but OHCC's performance could plausibly range from 61% reduced risk up to 30% increased risk.



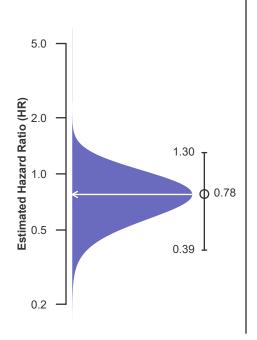
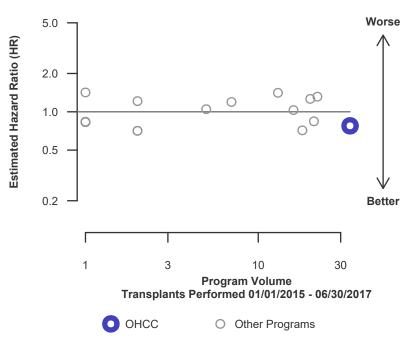


Figure C18D. Adult (18+) 3-year patient death HR program comparison (deceased donor grafts)





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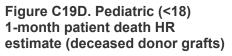
C. Transplant Information

Table C14D. Pediatric (<18) 1-month patient survival (deceased donor graft recipients) Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 07/01/2017 and 12/31/2019

Retransplants excluded	OHCC	U.S.
Number of transplants evaluated	6	80
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	96.25%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	96.29%	
Number of observed deaths during the first month after transplant	0	3
Number of expected deaths during the first month after transplant	0.23	
Estimated hazard ratio*	0.90	
95% credible interval for the hazard ratio**	[0.11, 2.50]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.11, 2.50], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 10% lower risk of patient death compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 150% increased risk.



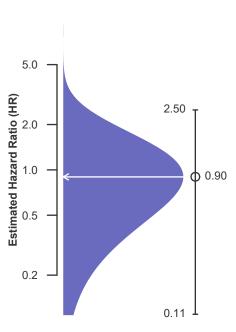
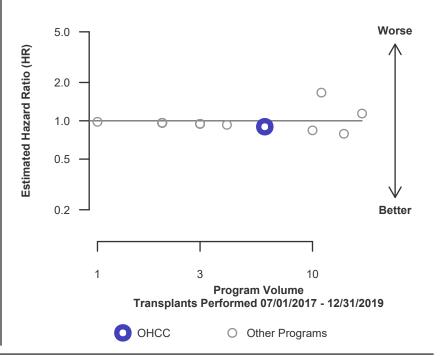


Figure C20D. Pediatric (<18) 1-month patient death HR program comparison (deceased donor grafts)





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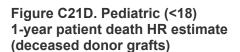
C. Transplant Information

Table C15D. Pediatric (<18) 1-year patient survival (deceased donor graft recipients) Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 07/01/2017 and 12/31/2019 Retransplants excluded

Netransplants excluded	OHCC	U.S.
Number of transplants evaluated	6	80
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	75.00%	84.59%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	84.71%	
Number of observed deaths during the first year after transplant	1	11
Number of expected deaths during the first year after transplant	0.72	
Estimated hazard ratio*	1.10	
95% credible interval for the hazard ratio**	[0.23, 2.65]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.23, 2.65], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 10% higher risk of patient death compared to an average program, but OHCC's performance could plausibly range from 77% reduced risk up to 165% increased risk.



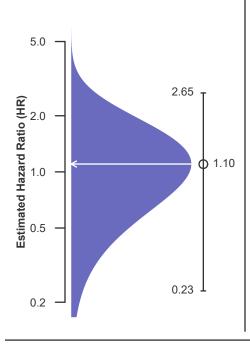
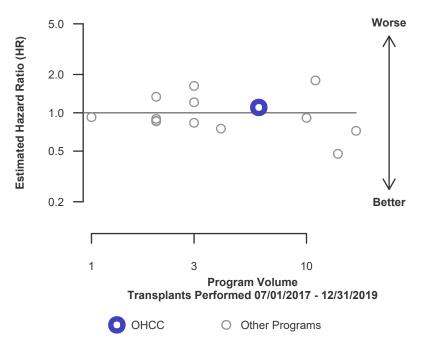


Figure C22D. Pediatric (<18) 1-year patient death HR program comparison (deceased donor grafts)





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C. Transplant Information

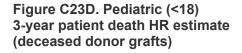
Table C16D. Pediatric (<18) 3-year patient survival (deceased donor graft recipients) Intestine (Single-Organ and Intestine with Liver and/or Pancreas Transplants Only) Transplants performed between 01/01/2015 and 06/30/2017

Retransplants excluded

Retrainsplants excluded	OHCC	U.S.
Number of transplants evaluated	4	111
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	75.00%	75.65%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	75.76%	
Number of observed deaths during the first 3 years after transplant	1	27
Number of expected deaths during the first 3 years after transplant	0.88	
Estimated hazard ratio*	1.04	
95% credible interval for the hazard ratio**	[0.21, 2.51]	

^{*} The hazard ratio provides an estimate of how The Cleveland Clinic Foundation (OHCC)'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 OHCC's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.21, 2.51], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 4% higher risk of patient death compared to an average program, but OHCC's performance could plausibly range from 79% reduced risk up to 151% increased risk.



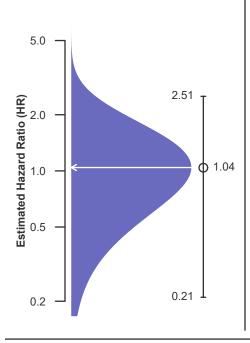
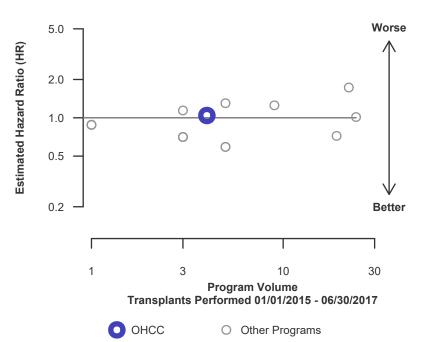


Figure C24D. Pediatric (<18) 3-year patient death HR program comparison (deceased donor grafts)





Center Code: OHCC

Transplant Program (Organ): Intestine

Release Date: January 5, 2021

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C. Transplant Information

Table C17. Multi-organ	transplant graft	survival: 07/01/2017	- 12/31/2019
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Adult (18+) Transplants	First-Year Outcomes					
Transplant Type	Transp Perfor OHCC-TX1		Intestine Estimated Intestin Graft Failures Graft Survival OHCC-TX1 USA OHCC-TX1 USA			rvival
Pancreas-Intestine	3	9	0	1	100.0%	88.9%
Pancreas-Liver-Intestine	12	50	6	24	50.0%	51.7%
Pediatric (<18) Transplants			F	irst-Yea	ar Outcomes	
Transplant Type	Transp Perfor OHCC-TX1		Intestine Estimated Intestin Graft Failures Graft Survival OHCC-TX1 USA OHCC-TX1 USA			rvival
Pancreas-Liver-Intestine	6	65	1	11	83.3%	82.0%

Table C18. Multi-organ transplant	patient survival: 07/01/201	7 - 12/31/2019
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3						
Adult (18+) Transplants		First-Year Outcomes				
Transplant Type	Transp Perfor OHCC-TX1	med	Patient E OHCC-TX1		Estim Patient S OHCC-TX1	Survival
Pancreas-Intestine	3	9	0	0	100.0%	100.0%
Pancreas-Liver-Intestine	12	50	6	22	50.0%	55.7%
Pediatric (<18) Transplants			First-Year Outcomes			
Transplant Type			Patient E OHCC-TX1		Estimated Patient Survival OHCC-TX1 USA	
Pancreas-Liver-Intestine	6	65	1	10	83.3%	83.8%