

SCIENTIFIC The Cleveland Clinic Foundation REGISTRY OF TRANSPLANT RECIPIENTS

Center Code: OHCC Transplant Program (Organ): Liver Release Date: July 8, 2025 Based on Data Available: April 30, 2025

SRTR Program-Specific Report Feedback?: SRTR@SRTR.org 1.877.970.SRTR (7787) http://www.srtr.org

### COVID-19 Guide

Adjustments to Transplant Program and OPO Evaluation Metrics

The Scientific Registry of Transplant Recipients (SRTR), under contract from the Health Resources and Services Administration (HRSA), is charged with evaluating the performance of the nation's transplant system through publication of semi-annual transplant program-specific reports (PSRs) and organ procurement organization (OPO)-specific reports (OSRs). These reports contain performance metrics covering various time periods. For OPOs, these metrics include deceased donor organ yield. For transplant programs, they include pre-transplant mortality rates (formerly called waitlist mortality rates), transplant rates, organ offer acceptance rates, patient mortality after listing, and 1-month, 90-day, 1-year, 1-year conditional on 90-day, and 3-year posttransplant outcomes including graft survival and patient survival.

In response to the current global pandemic, SRTR modified the evaluation metrics for transplant programs and OPOs for the reports released in January 2021, July 2021, January 2022, July 2022, January 2023, July 2023, January 2024, July 2024 and January 2025. These reports made adjustments to transplant program and OPO performance metrics so that data during the time around the declaration of a national public health emergency on March 13, 2020, were not included in the metrics.

Modifications for the July 2025 reporting cycle were considered at the Analytic Methods Subcommittee of the SRTR Review Committee (SRC) at its meeting on March 24, 2021, and the full SRC meetings April 27, 2021 and on January 11, 2022. Both the Analytic Methods Subcommittee and the full SRC recommended an ongoing carve out of the first quarter of the pandemic (March 13, 2020 through June 12, 2020) from adjusted performance metrics, as detailed below. These recommendations were reviewed by HRSA's Division of Transplantation, which oversees SRTR. HRSA approved these recommendations, which SRTR will implement for the July 2025 reporting cycle. These changes will remain in force beyond the July 2025 reporting cycle, unless otherwise amended:

Posttransplant Outcomes (including 1-month, 90-day, 1-year, 1-year conditional on 90-day, and 3-year graft and patient survival): Evaluation cohorts will exclude transplants performed between March 13, 2020 and June 12, 2020, inclusive of March 13 and June 12. Patients given transplants before March 13, 2020 will have follow-up censored on March 12, 2020. Patients given transplants after June 12, 2020 will resume normal follow-up. Follow-up will not resume for patients given transplants before March 13, 2020 who are alive with function on June 12, 2020; however, this may be reconsidered as SRTR continues to explore moving to a period-prevalent methodology:

1-month, 90-day, 1-year & 1-year conditional on 90-day Patient and Graft Survival Evaluations: Transplants 1/1/2022-6/30/2024, follow-up through 12/31/2024.

3-year Patient and Graft Survival Evaluations: Transplants 7/1/2019-3/12/2020, follow-up through 3/12/2020. Transplants 6/13/2020-12/31/2021; follow-up through 12/31/2024.

Pre-Transplant Mortality Rate (formerly called Waitlist Mortality Rate): These evaluations are based on normal reporting cohorts.

Days after listing (and before transplant) between 1/1/2023 and 12/31/2024.



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Transplant Rate: These evaluations are based on normal reporting cohorts.

Candidates on the waitlist 1/1/2023-12/31/2024.

Overall Rate of Mortality After Listing: These evaluations are based on normal reporting cohorts.

Evaluation period: 1/1/2023-12/31/2024.

Offer Acceptance Rate: These evaluations are based on normal reporting cohorts.

Offers received 1/1/2024-12/31/2024.

These decisions will apply to the evaluations released in the SRTR's semi-annual program-specific reports scheduled for release on July 8, 2025. These changes have been communicated to the leadership of the Organ Procurement and Transplantation Network's (OPTN) Membership and Professional Standards Committee (MSPC). These decisions will then be re-evaluated as more information becomes available in preparation for the release scheduled for January 2026.

As with the January 2025 reports, SRTR will continue to report descriptive data beyond March 12, 2020, e.g., waitlist counts, transplant counts, recipient characteristics, donor counts, donor characteristics, etc., but will alter data for performance evaluation metrics as described above.



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## User Guide

This report contains a wide range of useful information about the liver transplant program at The Cleveland Clinic Foundation. 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 transplant rate at this program was 331.7 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. Transplant rates are also presented excluding transplants from a living donor (Table B4D and Figures B1D-B3D). Please refer to the PSR Technical Methods documentation available at http://www.srtr.org for more detail regarding how expected rates are calculated.

The pre-transplant mortality rate (previously called the waiting list 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 pre-transplant 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 01/01/2019 and 06/30/2024. The time it took for 5% (the 5th percentile) of patients to receive a transplant at this program was 0.1 months. If "Not Observed" is displayed in the table, then too few candidates received transplants before 12/31/2024 to calculate a particular percentile of transplant times.

Table B11 contains a summary of the offer acceptance practices of the program. The offer acceptance ratio indicates whether the program is more or less likely to accept offers than the average program. If the offer acceptance ratio is greater than 1.0, then the program tends to accept more offers than average; if the offer acceptance ratio is less than 1.0, then the program tends to accept fewer offers than average. Figure B10 shows the distribution of program offer acceptance rates as well as the offer acceptance rate for this program. Figures B11 - B15 similarly show offer acceptance rates for subsets

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of offers.

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

Starting with Table C5, transplant outcomes are presented along with comparisons to what would be expected at this program and what happened in the nation as a whole. Tables C5-C14 (tables C5-C10 for Pancreas) 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-C14 present data on graft survival, Tables C15-C20 (tables C11-C20 for Pancreas) 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 C21 and C22 summarize the multiorgan transplant outcomes at this program. The summary statistics in these tables are descriptive and are not risk-adjusted for different donor and candidate characteristics.

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

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



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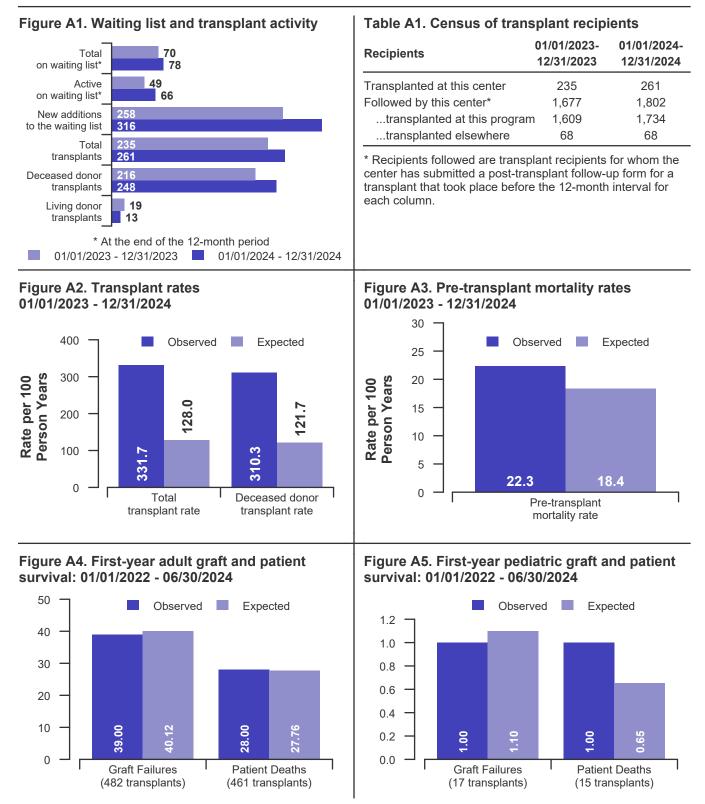
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## A. Program Summary





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## **B. Waiting List Information**

### Table B1. Waiting list activity summary: 01/01/2023 - 12/31/2024

		ts for enter	Activity for 01/01/2024 to 12/31/2024 as percent of registrants on waiting lis on 01/01/2024			
Waiting List Registrations	01/01/2023- 12/31/2023	01/01/2024- 12/31/2024	This Center (%)	OPTN Region (%)	U.S. (%)	
On waiting list at start	108	70	100.0	100.0	100.0	
Additions						
New listings at this center	258	316	451.4	223.4	151.8	
Removals						
Transferred to another center	0	0	0.0	0.0	1.6	
Received living donor transplant*	19	13	18.6	6.2	6.0	
Received deceased donor transplant*	216	248	354.3	180.8	107.0	
Died	13	11	15.7	9.0	9.5	
Transplanted at another center	0	1	1.4	1.5	2.4	
Deteriorated	14	12	17.1	9.9	9.3	
Recovered	21	15	21.4	15.4	11.4	
Other reasons	13	8	11.4	9.5	10.6	
On waiting list at end of period	70	78	111.4	91.2	94.1	

\* 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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### **B. Waiting List Information**

## Table B2. Demographic characteristics of waiting list candidates Candidates registered on the waiting list between 01/01/2024 and 12/31/2024

Demographic Characteristic		iting List Reg 024 to 12/31/2		All Waiting List Registrations on 12/31/2024 (%)			
	This Center (N=316)	OPTN Region (N=1,222)	U.S. (N=15,399)	This Center (N=78)	OPTN Region (N=499)	U.S. (N=9,551)	
All (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Ethnicity/Race (%)*							
White	89.2	81.2	64.3	87.2	83.2	62.8	
African-American	4.7	5.6	6.8	5.1	6.0	7.1	
Hispanic/Latino	3.8	4.3	19.7	5.1	5.4	21.7	
Asian	1.6	1.7	4.1	1.3	1.4	5.1	
Other	0.6	1.0	2.2	1.3	1.4	1.9	
Unknown	0.0	6.3	3.0	0.0	2.6	1.5	
Age (%)							
<2 years	2.8	1.6	2.0	2.6	1.4	1.5	
2-11 years	0.6	1.2	1.6	1.3	1.2	1.5	
12-17 years	0.3	1.1	1.3	0.0	1.8	1.4	
18-34 years	8.9	6.1	7.1	14.1	8.0	6.8	
35-49 years	20.6	21.4	23.6	17.9	20.6	21.1	
50-64 years	42.1	44.8	43.2	42.3	46.3	46.7	
65-69 years	15.8	17.3	15.3	11.5	15.0	15.8	
70+ years	8.9	6.5	5.9	10.3	5.6	5.2	
Gender (%)							
Male	52.8	56.2	58.0	66.7	56.7	58.6	
Female	47.2	43.8	42.0	33.3	43.3	41.4	

\* 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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## **B. Waiting List Information**

### Table B3. Medical characteristics of waiting list candidates Candidates registered on the waiting list between 01/01/2024 and 12/31/2024

Medical Characteristic	01/01/2	ting List Reg 024 to 12/31/2	2024 (%)	All Waiting List Registrations on 12/31/2024 (%)			
	This Center (N=316)	OPTN Region (N=1,222)	U.S. (N=15,399)	This Center (N=78)	OPTN Region (N=499)	U.S. (N=9,551)	
All (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Blood Type (%)							
0	39.9	42.1	47.1	56.4	44.9	50.2	
A	43.4	42.0	37.5	32.1	46.7	38.5	
В	11.4	11.8	11.7	11.5	7.6	9.6	
AB	5.4	4.1	3.6	0.0	0.8	1.6	
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	
Previous Transplant (%)							
Yes	9.2	5.2	4.6	10.3	4.4	4.1	
No	90.8	94.8	95.4	89.7	95.6	95.9	
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	
Primary Disease (%)							
Acute Hepatic Necrosis	0.9	1.8	2.1	1.3	1.6	1.3	
Non-Cholestatic Cirrhosis	19.9	26.4	23.9	16.7	32.9	36.4	
Cholestatic Liver Disease/Cirrhosis	7.0	7.2	6.3	7.7	7.0	7.1	
Biliary Atresia	2.8	2.2	2.0	3.8	2.2	2.0	
Metabolic Diseases	2.5	2.8	2.1	1.3	2.0	1.4	
Malignant Neoplasms	12.7	5.5	11.2	14.1	3.6	11.9	
Other	54.1	54.1	52.3	55.1	50.7	39.8	
Missing	0.0	0.1	0.2	0.0	0.0	0.2	
Medical Urgency Status/MELD/PEL	.D at Listing	(%)*					
Status 1A	2.8	2.0	2.3	0.0	0.4	0.2	
Status 1B	0.0	0.2	0.4	0.0	0.0	0.1	
Status 2A	0.0	0.0	0.0	0.0	0.0	0.0	
Status 2B	0.0	0.0	0.0	0.0	0.0	0.0	
Status 3	0.0	0.0	0.0	0.0	0.0	0.1	
MELD 6-10	8.9	11.9	11.6	15.4	22.6	22.3	
MELD 11-14	15.5	14.5	12.0	16.7	25.7	21.5	
MELD 15-20	26.3	25.1	21.7	41.0	32.1	29.8	
MELD 21-30	29.7	25.5	24.6	21.8	11.4	15.0	
MELD 31-40	10.1	11.0	13.5	1.3	0.8	1.1	
PELD less than or equal to 10	1.3	1.5	1.5	1.3	1.8	2.1	
PELD 11-14	0.3	0.2	0.3	1.3	0.2	0.2	
PELD 15-20	0.3	0.3	0.4	1.3	0.2	0.2	
PELD 21-30	0.0	0.1	0.3	0.0	0.2	0.2	
PELD 31 or greater	0.6	0.2	0.1	0.0	0.0	0.0	
Temporarily Inactive	0.9	4.1	6.7	0.0	4.6	7.0	

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

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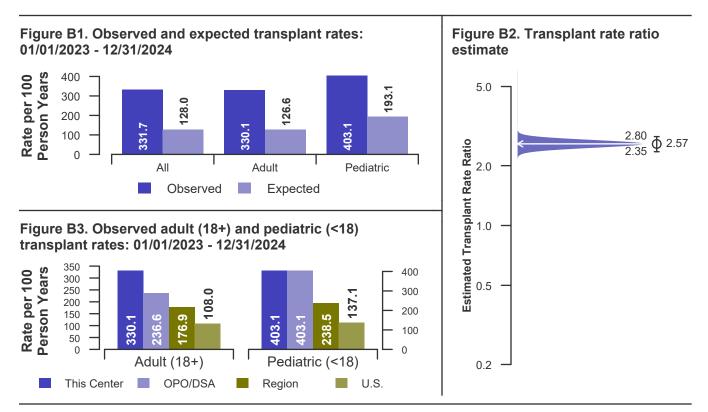
## **B. Waiting List Information**

### Table B4. Transplant rates: 01/01/2023 - 12/31/2024

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	108	175	624	10,969
Person Years**	149.5	245.8	1,083.6	20,254.4
Removals for Transplant	496	587	1,935	22,116
Adult (18+) Candidates				
Count on waiting list at start*	106	173	609	10,531
Person Years**	146.3	242.6	1,054.3	19,430.9
Removals for transpant	483	574	1,865	20,987
Pediatric (<18) Candidates				
Count on waiting list at start*	2	2	15	438
Person Years**	3.2	3.2	29.3	823.5
Removals for transplant	13	13	70	1,129

\* 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 January 1 or from the date of first wait listing until death, transplant, removal from the waiting list or December 31.





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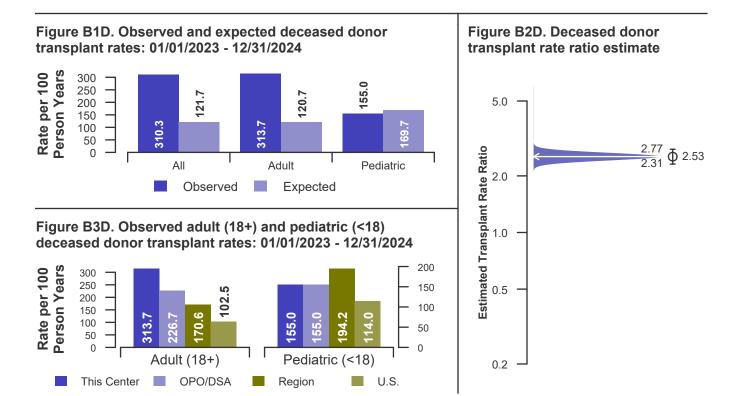
## **B.** Waiting List Information

### Table B4D. Deceased donor transplant rates: 01/01/2023 - 12/31/2024

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	108	175	624	10,969
Person Years**	149.5	245.8	1,083.6	20,254.4
Removals for Transplant	464	555	1,856	20,854
Adult (18+) Candidates				
Count on waiting list at start*	106	173	609	10,531
Person Years**	146.3	242.6	1,054.3	19,430.9
Removals for transpant	459	550	1,799	19,915
Pediatric (<18) Candidates				
Count on waiting list at start*	2	2	15	438
Person Years**	3.2	3.2	29.3	823.5
Removals for transplant	5	5	57	939

\* 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 January 1 or from the date of first wait listing until death, transplant, removal from the waiting list or December 31.





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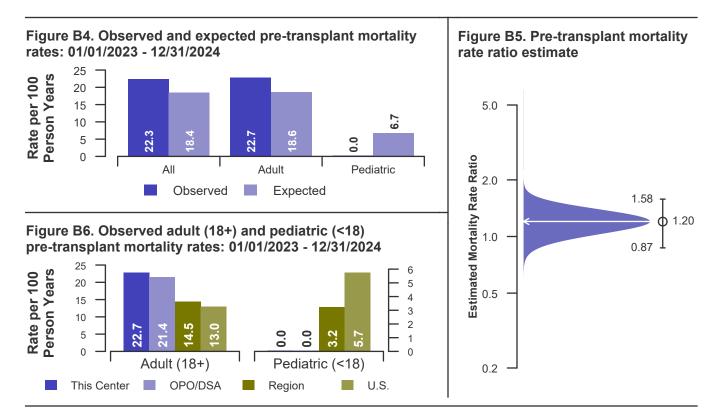
## **B. Waiting List Information**

### Table B5. Pre-transplant mortality rates: 01/01/2023 - 12/31/2024

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	108	175	624	10,969
Person Years**	188.2	297.2	1,248.3	23,901.6
Number of deaths	42	63	177	3,036
Adult (18+) Candidates				
Count on waiting list at start*	106	173	609	10,531
Person Years**	184.7	293.7	1,217.4	22,993.9
Number of deaths	42	63	176	2,984
Pediatric (<18) Candidates				
Count on waiting list at start*	2	2	15	438
Person Years**	3.5	3.5	30.9	907.6
Number of deaths	0	0	1	52

\* 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 January 1 or from the date of first wait listing until death, transplant, 60 days after recovery, transfer or December 31.





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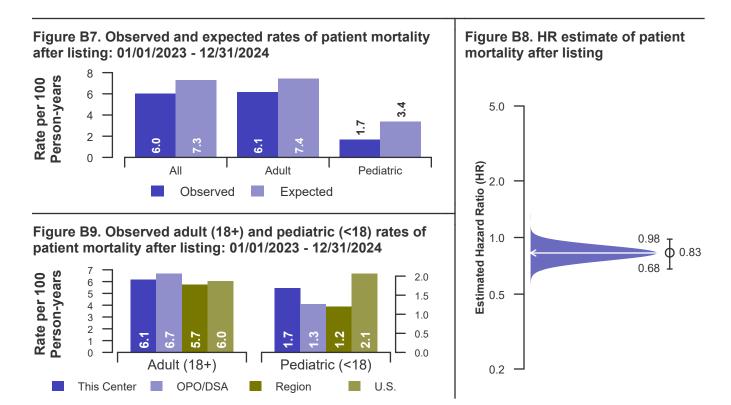
## **B. Waiting List Information**

### Table B6. Rates of patient mortality after listing: 01/01/2023 - 12/31/2024

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Patients				
Count at risk during the evaluation period	1,459	1,752	6,127	82,628
Person-years*	1,913.3	2,272.4	8,132.9	110,663.0
Number of Deaths	115	147	451	6,422
Adult (18+) Patients				
Count at risk during the evaluation period	1,411	1,694	5,876	78,223
Person-years*	1,853.8	2,193.4	7,798.8	104,641.8
Number of Deaths	114	146	447	6,298
Pediatric (<18) Patients				
Count at risk during the evaluation period	48	58	251	4,405
Person-years*	59.5	79.0	334.1	6,021.2
Number of Deaths	1	1	4	124

\* Person-years are calculated as days (converted to fractional years). The number of days from 01/01/2023, or from the date of first wait listing until death, reaching 5 years after listing or December 31, 2024.

\*\* 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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## **B. Waiting List Information**

### Table B7. Waiting list candidate status after listing

Candidates registered on waiting list between 07/01/2022 and 06/30/2023

Waiting list status (survival status)		Center (N ns Since L 12	,	U.S. (N=13,953) Months Since Listing 6 12 18		
Alive on waiting list (%)	16.0	6.6	5.3	34.7	18.4	11.5
Died on the waiting list without transplant (%)	4.5	4.5	4.5	3.6	4.5	5.0
Removed without transplant (%):						
Condition worsened (status unknown)	2.5	3.3	3.3	3.3	4.7	5.4
Condition improved (status unknown)	0.4	0.8	1.6	1.5	2.6	3.7
Refused transplant (status unknown)	0.4	0.8	0.8	0.2	0.4	0.6
Other	1.6	2.0	2.0	1.6	3.1	3.9
Transplant (living donor from waiting list only) (%	):					
Functioning (alive)	5.7	6.1	2.0	3.1	3.8	2.5
Failed-Retransplanted (alive)	0.0	0.0	0.0	0.1	0.1	0.1
Failed-alive not retransplanted	0.0	0.0	0.0	0.0	0.0	0.0
Died	0.0	0.0	0.4	0.1	0.1	0.2
Status Yet Unknown**	0.0	0.4	4.1	0.0	0.2	1.6
Transplant (deceased donor) (%):						
Functioning (alive)	65.6	63.5	34.8	47.9	52.7	36.5
Failed-Retransplanted (alive)	0.4	0.8	1.6	0.3	0.5	0.7
Failed-alive not retransplanted	0.0	0.0	0.0	0.0	0.1	0.0
Died	2.5	4.9	5.7	1.9	3.1	3.9
Status Yet Unknown*	0.4	6.1	33.6	1.4	5.2	23.6
Lost or Transferred (status unknown) (%)	0.0	0.0	0.0	0.3	0.6	0.7
TOTAL (%)	100.0	100.0	100.0	100.0	100.0	100.0
Total % known died on waiting list or after transplant	7.0	9.4	10.7	5.6	7.7	9.1
Total % known died or removed as unstable	9.4	12.7	13.9	8.9	12.4	14.5
Total % removed for transplant	74.6	82.0	82.4	54.8	65.8	69.2
Total % with known functioning transplant (alive)	71.3	69.7	36.9	51.0	56.5	39.0

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



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RECIPIENTS Based on Data Available: April 30, 2025

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### **B. Waiting List Information**

## Table B7S1. Medical urgency status 1 candidate status after listingCandidates registered on the waiting list between 07/01/2022 and 06/30/2023

6							
Waiting list status (survival status)	Mont	s Center (I hs Since I	isting	U.S. (N=424) Months Since listing			
	6	12	18	6	12	18	
Alive on waiting list (%)	0.0	0.0	0.0	1.9	0.5	0.2	
Died on the waiting list without transplant (%)	0.0	0.0	0.0	5.9	5.9	5.9	
Removed without transplant (%):							
Condition worsened (status unknown)	0.0	0.0	0.0	5.9	5.9	5.9	
Condition improved (status unknown)	25.0	25.0	25.0	19.8	21.0	21.2	
Refused transplant (status unknown)	0.0	0.0	0.0	0.7	0.7	0.7	
Other	0.0	0.0	0.0	0.9	0.9	0.9	
Transplant (living donor from waiting list only) (%	6):						
Functioning (alive)	25.0	25.0	25.0	1.9	1.7	1.7	
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	0.0	0.0	0.0	0.2	0.2	0.2	
Status Yet Unknown**	0.0	0.0	0.0	0.0	0.2	0.2	
Transplant (deceased donor) (%):							
Functioning (alive)	50.0	50.0	50.0	55.4	48.1	33.5	
Failed-Retransplanted (alive)	0.0	0.0	0.0	0.7	0.7	0.7	
Failed-alive not retransplanted	0.0	0.0	0.0	0.5	0.0	0.0	
Died	0.0	0.0	0.0	4.7	6.4	6.6	
Status Yet Unknown*	0.0	0.0	0.0	0.9	7.3	21.7	
Lost or Transferred (status unknown) (%)	0.0	0.0	0.0	0.5	0.5	0.5	
TOTAL (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Total % known died on waiting list or after transplant	0.0	0.0	0.0	10.8	12.5	12.7	
Total % known died or removed as unstable	0.0	0.0	0.0	16.7	18.4	18.6	
Total % removed for transplant	75.0	75.0	75.0	64.4	64.6	64.6	
Total % with known functioning transplant (alive)	75.0	75.0	75.0	57.3	49.8	35.1	
<b>.</b> , /							

\* 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 01/01/2019 and 12/31/2021

Characteristic	Percent transplanted at time periods since listing This Center United States									
onaracteristic	Ν		1 year		3 years	N				3 years
All	620	27.9	59.0	65.2	67.6	39,435	28.1	55.4	60.7	62.5
Ethnicity/Race*										
White	531	27.7	58.6	64.6	67.4	27,120	28.6	56.2	61.1	62.8
African-American	52	30.8	57.7	65.4	65.4	2,991	31.2	58.3	63.6	65.3
Hispanic/Latino	26	30.8	76.9	80.8	80.8	6,915	25.1	51.6	57.9	59.8
Asian	8	25.0	50.0	50.0	50.0	1,727	25.5	51.8	60.1	62.5
Other	3	0.0	33.3	66.7	66.7	682	32.1	55.9	60.6	62.9
Unknown	0					0				
Age										
<2 years	1	0.0	100.0	100.0	100.0	786	24.6	72.5	75.2	76.2
2-11 years	7	28.6	57.1	71.4	71.4	583	28.1	68.3	72.9	75.0
12-17 years	2	50.0	100.0	100.0	100.0	471	22.5	58.6	64.8	65.8
18-34 years	40	22.5	57.5	62.5	62.5	2,551	39.8	59.5	63.3	64.6
35-49 years	122	36.1	55.7	62.3	65.6	7,702	40.0	61.1	65.0	66.5
50-64 years	298	28.2	60.4	67.1	70.1	18,714	26.3	54.1	59.8	61.8
65-69 years	109	23.9	62.4	67.9	69.7	6,481	18.8	49.8	56.6	58.4
70+ years	41	17.1	48.8	51.2	51.2	2,147	18.7	47.7	53.3	54.4
Gender										
Male	375	28.8	62.9	70.1	71.5	24,429	28.2	56.4	61.9	63.6
Female	245	26.5	53.1	57.6	61.6	15,006	28.0	53.6	58.8	60.6

\* 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%.



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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 01/01/2019 and 12/31/2021

Characteristic		Tł	nis Cent	er		time per	Un	ited Sta	tes	
	Ν	30 day	1 year	2 years	3 years	N	30 day	1 year	2 years	3 years
All	620	27.9	59.0	65.2	67.6	39,435	28.1	55.4	60.7	62.5
Blood Type										
0	268	26.9	55.2	62.3	65.7	18,455	26.9	53.1	58.6	60.5
A	242	26.4	58.3	64.5	66.5	14,634	27.3	53.6	59.2	61.0
В	77	29.9	64.9	70.1	71.4	4,801	31.1	63.1	67.9	69.4
AB	33	42.4	81.8	81.8	81.8	1,545	41.4	75.2	77.7	78.4
Previous Transplant										
Yes	38	26.3	60.5	65.8	68.4	1,878	33.5	56.7	60.9	62.2
No	582	28.0	58.9	65.1	67.5	37,557	27.9	55.3	60.7	62.5
Primary Disease										
Acute Hepatic Necrosis	7	57.1	57.1	57.1	57.1	2,013	58.7	67.5	68.7	69.2
Non-Cholestatic Cirrhosis	396	31.3	58.6	62.6	66.2	26,232	29.8	55.3	59.9	61.6
Cholestatic Liver	45	35.6	66.7	82.2	82.2	2,575	23.1	53.2	61.1	63.3
Disease/Cirrhosis		55.0	00.7		02.2			JJ.Z	01.1	
Biliary Atresia	2	50.0	100.0	100.0	100.0	660	15.5	67.0	71.4	73.0
Metabolic Diseases	16	37.5	68.8	81.2	81.2	796	29.5	69.2	75.0	76.1
Malignant Neoplasms	109	12.8	60.6	70.6	71.6	4,640	8.8	47.4	56.5	58.9
Other	45	17.8	46.7	51.1	51.1	2,505	29.9	56.6	62.6	64.9
Missing	0					14	21.4	21.4	28.6	28.6
Medical Urgency Status/MELD/		at Listin	<b>g</b> *							
Status 1	0					0				
Status 1A	14	42.9	42.9	42.9	42.9	1,162	61.9	62.0	62.2	62.2
Status 1B	1	0.0	0.0	0.0	0.0	145	56.6	86.9	86.9	86.9
Status 2A	0					0				
Status 2B	0					0				
Status 3	0					0				
MELD 6-10	118	3.4	41.5	54.2	60.2	6,558	3.1	35.6	46.0	49.2
MELD 11-14	94	4.3	48.9	59.6	62.8	4,792	3.8	34.7	44.5	47.7
MELD 15-20	119	9.2	54.6	61.3	64.7	8,155	11.7	47.5	54.0	56.4
MELD 21-30	155	43.2	71.0	73.5	74.2	9,476	36.8	67.0	69.8	70.7
MELD 31-40	77	79.2	83.1	83.1	83.1	5,034	78.3	83.8	83.9	83.9
PELD less than or equal to 10	3	0.0	33.3	66.7	66.7	577	11.8	70.5	76.9	79.7
PELD 11-14	0					101	18.8	81.2	84.2	86.1
PELD 15-20	2	50.0	100.0	100.0	100.0	147	19.0	77.6	78.9	79.6
PELD 21-30	1	0.0	100.0	100.0	100.0	117	24.8	74.4	76.1	76.1
PELD 31 or greater	0					51	49.0	68.6	68.6	68.6
Temporarily Inactive	36	52.8	61.1	61.1	61.1	3,120	43.3	58.3	61.6	62.8

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



REGISTRY OF Transplant Program (Organ): Liver TRANSPLANT Release Date: July 8, 2025 RECIPIENTS

Based on Data Available: April 30, 2025

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## **B.** Waiting List Information

### Table B10. Time to transplant for waiting list candidates\* Candidates registered on the waiting list between 01/01/2019 and 06/30/2024

Center Code: OHCC

Percentile	Months to Transplant**			
	Center	OPO/DSA	Region	U.S.
5th	0.1	0.1	0.1	0.1
10th	0.1	0.1	0.2	0.2
25th	0.4	0.5	0.5	0.6
50th (median time to transplant)	2.5	3.3	3.5	5.1
75th	15.9	42.5	21.1	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 12/31/2024. Calculated as the months after listing, during which the corresponding percent of all patients initially listed had received a transplant.



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## **B. Waiting List Information**

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### Table B11. Offer Acceptance Practices: 01/01/2024 - 12/31/2024

Offers Acceptance Characteristics	This Center	OPO/DSA	Region	U.S.
Overall				
Number of Offers	2,446	3,904	20,677	293,114
Number of Acceptances	202	258	875	9,682
Expected Acceptances	119.7	187.6	725.2	9,681.1
Offer Acceptance Ratio*	1.68	1.37	1.21	1.00
95% Credible Interval**	[1.45, 1.91]			
PHS increased infectious risk				
Number of Offers	351	585	2,986	42,477
Number of Acceptances	27	35	131	1,582
Expected Acceptances	20.5	32.2	114.3	1,581.6
Offer Acceptance Ratio*	1.29	1.08	1.14	1.00
95% Credible Interval**	[0.86, 1.80]			
DCD donor				
Number of Offers	1,277	2,207	12,699	159,874
Number of Acceptances	61	96	331	2,778
Expected Acceptances	43.0	73.0	285.4	2,779.4
Offer Acceptance Ratio*	1.40	1.31	1.16	1.00
95% Credible Interval**	[1.08, 1.77]			
HCV+ donor				
Number of Offers	96	168	644	8,439
Number of Acceptances	10	12	36	306
Expected Acceptances	5.0	7.3	22.7	307.2
Offer Acceptance Ratio*	1.72	1.51	1.54	1.00
95% Credible Interval**	[0.89, 2.83]			
Hard-to-Place Livers (Over 50 Offers)				
Number of Offers	1,128	1,977	12,349	167,977
Number of Acceptances	49	61	203	1,176
Expected Acceptances	16.9	34.8	147.7	1,382.1
Offer Acceptance Ratio*	2.69	1.71	1.37	0.85
95% Credible Interval**	[2.00, 3.48]			
Donor more than 500 miles away				
Number of Offers	426	699	4,612	76,452
Number of Acceptances	27	32	101	1,149
Expected Acceptances	13.4	19.1	85.2	1,071.0
Offer Acceptance Ratio*	1.88	1.61	1.18	1.07
95% Credible Interval**	[1.26, 2.62]			

\* The offer acceptance ratio estimates the relative offer acceptance practice of The Cleveland Clinic Foundation compared to the national offer acceptance practice. A ratio above one indicates the program accepts more offers compared to national offer acceptance practices (e.g., an offer acceptance ratio of 1.25 indicates a center accepts 25% more offers than is expected based on national offer acceptance practices), while a ratio below one indicates the program accepts fewer offers compared to national offer acceptance practices (e.g., an offer acceptance ratio of 0.75 indicates a center accepts 25% fewer offers than is expected based on national offer acceptance practices (e.g., an offer acceptance ratio of 0.75 indicates a center accepts 25% fewer offers than is expected based on national offer acceptance practices).

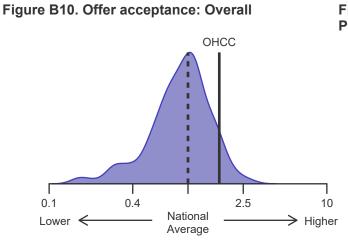
\*\* As an example, the 95% Credible Interval for the overall offer acceptance ratio, [1.45, 1.91], indicates the location of OHCC's true offer acceptance ratio with 95% probability. The best estimate is 68% more likely to accept an offer compared to national acceptance behavior, but OHCC's performance could plausibly range from 45% higher acceptance up to 91% higher acceptance.



REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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## **B. Waiting List Information**



### Figure B12. Offer acceptance: DCD Donor

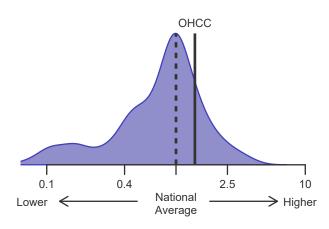
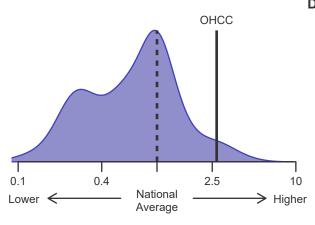


Figure B14. Offer acceptance: Offer number > 50



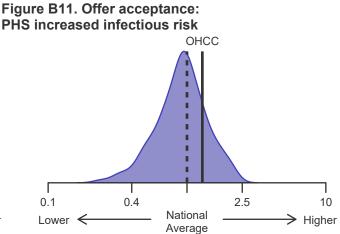


Figure B13. Offer acceptance: HCV+ Donor

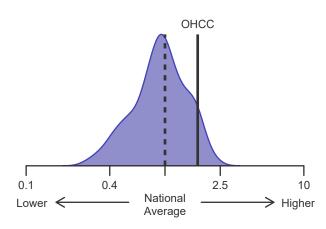
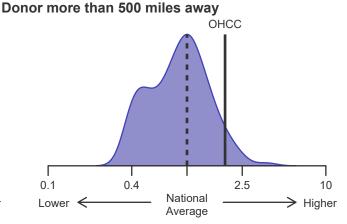


Figure B15. Offer acceptance:





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025

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## **C. Transplant Information**

## Table C1D. Deceased donor transplant recipient demographic characteristics Patients transplanted between 01/01/2024 and 12/31/2024

	Percer	Percentage in each category		
Characteristic	Center (N=248)	Region (N=989)	U.S. (N=10,854)	
Ethnicity/Race (%)*				
White	88.7	81.2	65.5	
African-American	5.6	5.5	6.6	
Hispanic/Latino	2.8	3.7	18.9	
Asian	2.0	2.3	4.0	
Other	0.8	1.4	2.4	
Unknown	0.0	5.9	2.5	
Age (%)				
<2 years	0.4	1.3	1.5	
2-11 years	0.4	1.1	1.7	
12-17	0.4	0.6	1.1	
18-34	7.3	5.0	6.8	
35-49 years	21.4	21.7	23.4	
50-64 years	45.2	45.3	43.7	
65-69 years	16.5	17.0	15.3	
70+ years	8.5	8.0	6.5	
Gender (%)				
Male	52.4	57.0	59.7	
Female	47.6	43.0	40.3	

\* 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%.



Transplant Program (Organ): Liver TRANSPLANT Release Date: July 8, 2025 RECIPIENTS

Center Code: OHCC

Based on Data Available: April 30, 2025

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## **C. Transplant Information**

### Table C1L. Living donor transplant recipient demographic characteristics Patients transplanted between 01/01/2024 and 12/31/2024

	Percer	Percentage in each category		
Characteristic	Center (N=13)	Region (N=34)	U.S. (N=604)	
Ethnicity/Race (%)*				
White	92.3	88.2	71.2	
African-American	7.7	8.8	5.5	
Hispanic/Latino	0.0	0.0	17.2	
Asian	0.0	0.0	3.1	
Other	0.0	0.0	0.7	
Unknown	0.0	2.9	2.3	
Age (%)				
<2 years	46.2	17.6	11.6	
2-11 years	7.7	8.8	5.5	
12-17	0.0	0.0	1.3	
18-34	15.4	17.6	8.3	
35-49 years	0.0	20.6	20.9	
50-64 years	15.4	17.6	33.8	
65-69 years	15.4	11.8	13.7	
70+ years	0.0	5.9	5.0	
Gender (%)				
Male	38.5	44.1	43.0	
Female	61.5	55.9	57.0	

\* 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 C2D. Deceased donor transplant recipient medical characteristics Patients transplanted between 01/01/2024 and 12/31/2024

·	Percentage in each category		
Characteristic	Center (N=248)	Region (N=989)	U.S. (N=10,854)
Blood Type (%)			
0	36.3	41.8	46.4
A	46.4	41.7	37.0
В	11.3	11.7	12.4
AB	6.0	4.9	4.2
Previous Transplant (%)			
Yes	7.7	4.6	4.3
No	92.3	95.4	95.7
Body Mass Index (%)			
0-20	7.7	8.9	10.2
21-25	27.4	24.0	25.4
26-30	30.6	31.5	30.2
31-35	14.9	19.9	19.1
36-40	11.7	10.6	9.0
41+	7.7	4.9	4.5
Unknown	0.0	0.2	1.5
Primary Disease (%)			
Acute Hepatic Necrosis	1.2	1.5	1.9
Non-Cholestatic Cirrhosis	22.6	26.1	23.8
Cholestatic Liver Disease/Cirrhosis	6.0	7.8	6.4
Biliary Atresia	1.6	1.8	1.6
Metabolic Diseases	2.4	3.1	2.3
Malignant Neoplasms	14.9	6.3	11.8
Other	51.2	53.3	52.0
Missing	0.0	0.1	0.1
Medical Urgency Statust/MELD/PELD at Transplant (%)*			
Status 1A	2.8	2.2	2.4
Status 1B	0.0	0.9	1.1
MELD 6-10	11.3	9.2	9.1
MELD 11-14	12.9	10.2	8.3
MELD 15-20	26.6	26.4	19.6
MELD 21-30	28.2	30.4	30.0
MELD 31-40	14.1	15.4	20.8
PELD less than or equal to 10	0.4	0.5	0.8
PELD 11-14	0.0	0.3	0.3
PELD 15-20	0.0	0.2	0.4
PELD 21-30	0.0	0.4	0.3
PELD 31 or greater	0.4	0.1	0.1
Temporarily Inactive	0.0	0.2	0.0
Recipient Medical Condition at Transplant (%)	0.0	5.2	0.0
Not Hospitalized	67.7	70.1	59.6
Hospitalized	16.1	18.9	24.9
ICU	16.1	11.0	15.5
Unknown	0.0	0.0	0.0
OHMOWI	0.0	0.0	0.0

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



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## **C. Transplant Information**

## Table C2L. Living donor transplant recipient medical characteristics Patients transplanted between 01/01/2024 and 12/31/2024

	Percentage in each category		
Characteristic	Center (N=13)	Region (N=34)	U.S. (N=604)
Blood Type (%)			
0	46.2	41.2	44.4
A	38.5	47.1	43.4
В	7.7	5.9	9.9
AB	7.7	5.9	2.3
Previous Transplant (%)			
Yes	15.4	5.9	1.2
No	84.6	94.1	98.8
Body Mass Index (%)			
0-20	61.5	29.4	24.7
21-25	0.0	23.5	29.0
26-30	38.5	38.2	26.8
31-35	0.0	8.8	12.3
36-40	0.0	0.0	5.6
41+	0.0	0.0	1.3
Unknown	0.0	0.0	0.3
Primary Disease (%)	0.0	0.0	0.0
Acute Hepatic Necrosis	0.0	0.0	0.5
Non-Cholestatic Cirrhosis	30.8	23.5	23.8
Cholestatic Liver Disease/Cirrhosis	15.4	23.5	18.2
Biliary Atresia	30.8	20.6	11.4
Metabolic Diseases	0.0	5.9	3.3
Malignant Neoplasms	0.0	2.9	11.1
Other	23.1	23.5	31.5
Missing	0.0	0.0	0.2
Medical Urgency Statust/MELD/PELD at Transplant (%)*			
Status 1A	7.7	2.9	0.5
Status 1B	0.0	2.9	1.8
MELD 6-10	7.7	11.8	19.7
MELD 11-14	7.7	20.6	18.9
MELD 15-20	15.4	26.5	25.2
MELD 21-30	15.4	11.8	15.1
MELD 31-40	0.0	0.0	0.8
PELD less than or equal to 10	15.4	8.8	6.3
PELD 11-14	15.4	5.9	2.5
PELD 15-20	7.7	2.9	2.6
PELD 21-30	0.0	0.0	2.0
PELD 31 or greater	7.7	2.9	1.2
Temporarily Inactive	0.0	2.9	3.5
Recipient Medical Condition at Transplant (%)		-	
Not Hospitalized	69.2	88.2	86.6
Hospitalized	0.0	0.0	9.1
ICU	30.8	11.8	4.3
Unknown	0.0	0.0	0.0

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



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## **C. Transplant Information**

## Table C3D. Deceased donor characteristicsTransplants performed between 01/01/2024 and 12/31/2024

	Percer	Percentage in each category		
Donor Characteristic	Center (N=248)	Region (N=989)	U.S. (N=10,854)	
Cause of Death (%)				
Deceased: Stroke	27.4	24.9	27.6	
Deceased: MVA	6.5	8.2	10.5	
Deceased: Other	66.1	66.9	61.9	
Ethnicity/Race (%)*				
White	71.4	73.7	62.7	
African-American	20.2	19.4	17.6	
Hispanic/Latino	6.9	5.2	14.8	
Asian	1.2	1.5	2.9	
Other	0.4	0.2	1.2	
Not Reported	0.0	0.0	0.8	
Age (%)				
<2 years	0.4	0.6	0.6	
2-11 years	1.2	1.3	1.8	
12-17	1.2	3.4	3.7	
18-34	14.1	19.3	23.1	
35-49 years	28.2	27.4	28.4	
50-64 years	34.3	35.1	31.3	
65-69 years	9.7	7.0	6.5	
70+ years	10.9	5.9	4.6	
Gender (%)				
Male	60.9	60.4	60.9	
Female	39.1	39.6	39.1	
Blood Type (%)				
0	43.1	46.6	50.4	
A	44.0	40.8	36.7	
В	10.1	9.7	10.6	
AB	2.8	2.8	2.3	
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 C3L. Living donor characteristicsTransplants performed between 01/01/2024 and 12/31/2024

	Percentage in each category		
Donor Characteristic	Center (N=13)	Region (N=34)	U.S. (N=604)
Ethnicity/Race (%)*			
White	92.3	94.1	75.8
African-American	0.0	2.9	3.6
Hispanic/Latino	0.0	0.0	13.9
Asian	0.0	0.0	2.6
Other	7.7	2.9	1.7
Not Reported	0.0	0.0	2.3
Age (%)			
0-11 years	0.0	0.0	0.5
12-17	0.0	0.0	0.0
18-34	61.5	29.4	38.1
35-49 years	30.8	50.0	46.0
50-64 years	7.7	20.6	15.2
65-69 years	0.0	0.0	0.2
70+ years	0.0	0.0	0.0
Gender (%)			
Male	69.2	61.8	43.0
Female	30.8	38.2	57.0
Blood Type (%)			
0	76.9	76.5	64.1
A	23.1	20.6	29.0
В	0.0	0.0	6.5
AB	0.0	2.9	0.5
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 characteristicsTransplants performed between 01/01/2024 and 12/31/2024

	Percer	Percentage in each category		
Transplant Characteristic	Center (N=248)	Region (N=989)	U.S. (N=10,854)	
Cold Ischemic Time (Hours): Local (%)				
Deceased: 0-5 hr	2.3	29.4	42.4	
Deceased: 6-10 hr	11.6	14.0	21.9	
Deceased: 11-15 hr	18.6	18.6	13.1	
Deceased: 16-20 hr	44.2	27.1	14.4	
Deceased: 21+ hr	23.3	10.9	7.8	
Not Reported	0.0	0.0	0.5	
Cold Ischemic Time (Hours): Shared (%)				
Deceased: 0-5 hr	3.9	24.0	25.7	
Deceased: 6-10 hr	15.6	21.6	34.2	
Deceased: 11-15 hr	23.4	18.4	13.9	
Deceased: 16-20 hr	32.7	23.4	15.2	
Deceased: 21+ hr	24.4	12.4	10.2	
Not Reported	0.0	0.3	0.8	
Procedure Type (%)				
Single organ	83.1	89.9	91.4	
Multi organ	16.9	10.1	8.6	
Donor Location (%)				
Local Donation Service Area (DSA)	17.3	22.3	36.7	
Another Donation Service Area (DSA)	82.7	77.7	63.3	
Median Time in Hospital After Transplant	13.0 Days	10.0 Days	10.0 Days	



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## **C. Transplant Information**

## Table C4L. Living donor transplant characteristicsTransplants performed between 01/01/2024 and 12/31/2024

	Percentage in each category		
Transplant Characteristic	Center (N=13)	Region (N=34)	U.S. (N=604)
Relation with Donor (%)			
Related	53.8	44.1	48.3
Unrelated	46.2	55.9	51.5
Not Reported	0.0	0.0	0.2
Procedure Type (%)			
Single organ	100.0	100.0	100.0
Multi organ	0.0	0.0	0.0
Median Time in Hospital After Transplant	11.0 Days	9.0 Days	10.0 Days



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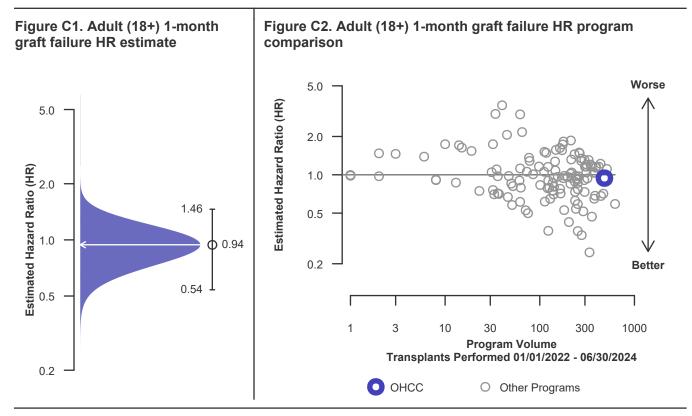
## **C. Transplant Information**

# Table C5. Adult (18+) 1-month survival with a functioning graft Single organ transplants performed between 01/01/2022 and 06/30/2024 Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	482	22,329
Estimated probability of surviving with a functioning graft at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	97.10% [95.61%-98.61%]	97.28% [97.07%-97.50%]
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	96.88%	
Number of observed graft failures (including deaths) during the first month after transplant	14	607
Number of expected graft failures (including deaths) during the first month after transplant	15.00	
Estimated hazard ratio*	0.94	
95% credible interval for the hazard ratio**	[0.54, 1.46]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.54, 1.46], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 6% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 46% reduced risk up to 46% increased risk.





Center Code: OHCC REGISTRY OF Transplant Program (Organ): Liver TRANSPLANT Release Date: July 8, 2025 RECIPIENTS Based on Data Available: April 30, 2025 SRTR Program-Specific Report Feedback?: SRTR@SRTR.org 1.877.970.SRTR (7787) http://www.srtr.org

## C. Transplant Information

#### Table C5D. Adult (18+) 1-month survival with a functioning deceased donor graft Single organ transplants performed between 01/01/2022 and 06/30/2024 Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	436	20,988
Estimated probability of surviving with a functioning graft at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	97.48% [96.02%-98.96%]	97.32% [97.10%-97.54%]
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	96.90%	
Number of observed graft failures (including deaths) during the first month after transplant	11	562
Number of expected graft failures (including deaths) during the first month after transplant	13.49	
Estimated hazard ratio*	0.84	
95% credible interval for the hazard ratio**	[0.45, 1.35]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.45, 1.35], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 16% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 55% reduced risk up to 35% increased risk.

#### Figure C1D. Adult (18+) 1-month deceased donor graft failure HR **HR** program comparison estimate Worse 5.0 Estimated Hazard Ratio (HR) 0 5.0 $\bigcirc$ 0 $\cap$ 2.0 Estimated Hazard Ratio (HR) 1.0 2.0 1.35 0.5 1.0 0.84 0.2 **Better** 0.5 0.45 3 1 10 30 100 300 1000 **Program Volume** Transplants Performed 01/01/2022 - 06/30/2024 0.2 OHCC O Other Programs

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

See COVID-19 Guide for pandemic-related follow-up limits.

## Figure C2D. Adult (18+) 1-month deceased donor graft failure



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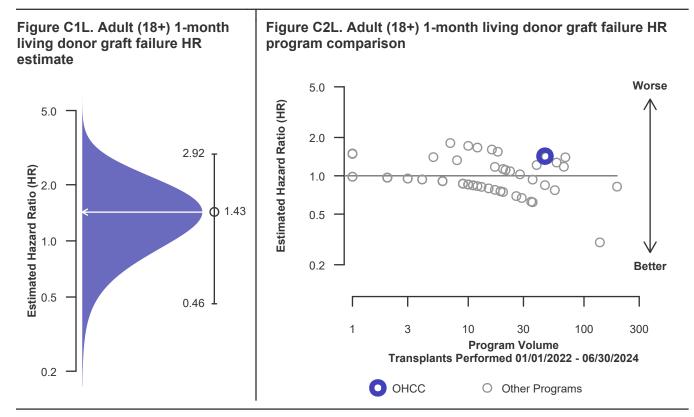
## **C. Transplant Information**

# Table C5L. Adult (18+) 1-month survival with a functioning living donor graftSingle organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	46	1,341
Estimated probability of surviving with a functioning graft at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	93.48% [86.61%-100.00%]	96.64% [95.69%-97.61%]
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	96.65%	
Number of observed graft failures (including deaths) during the first month after transplant	3	45
Number of expected graft failures (including deaths) during the first month after transplant	1.51	
Estimated hazard ratio*	1.43	
95% credible interval for the hazard ratio**	[0.46, 2.92]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.46, 2.92], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 43% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 54% reduced risk up to 192% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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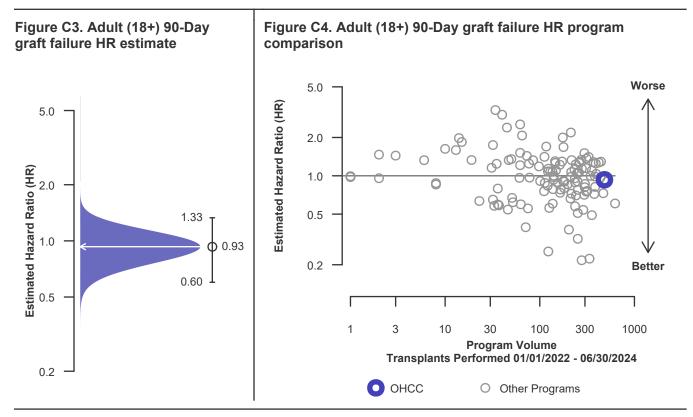
## **C. Transplant Information**

# Table C6. Adult (18+) 90-Day survival with a functioning graftSingle organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	482	22,329
Estimated probability of surviving with a functioning graft at 90 days & [95% CI] (unadjusted for patient and donor characteristics)	95.23% [93.34%-97.15%]	95.53% [95.26%-95.81%]
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	94.86%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	23	997
Number of expected graft failures (including deaths) during the first 90 days after transplant	24.86	
Estimated hazard ratio*	0.93	
95% credible interval for the hazard ratio**	[0.60, 1.33]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.60, 1.33], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 7% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 40% reduced risk up to 33% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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## **C. Transplant Information**

# Table C6D. Adult (18+) 90-Day survival with a functioning deceased donor graftSingle organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	436	20,988
Estimated probability of surviving with a functioning graft at 90 days & [95% CI] (unadjusted for patient and donor characteristics)	95.87% [94.02%-97.76%]	95.55% [95.27%-95.82%]
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	94.80%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	18	935
Number of expected graft failures (including deaths) during the first 90 days after transplant	22.79	
Estimated hazard ratio*	0.81	
95% credible interval for the hazard ratio**	[0.49, 1.20]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.49, 1.20], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 19% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 51% reduced risk up to 20% increased risk.

#### Figure C3D. Adult (18+) 90-Day Figure C4D. Adult (18+) 90-Day deceased donor graft failure deceased donor graft failure HR **HR** program comparison estimate Worse 5.0 Estimated Hazard Ratio (HR) 5.0 2.0 Estimated Hazard Ratio (HR) 1.0 2.0 0 0.5 1.20 $\cap$ 1.0 0 0.81 0 0.2 Better 0.49 0.5 3 1 10 30 100 300 1000 **Program Volume** Transplants Performed 01/01/2022 - 06/30/2024 0.2 OHCC O Other Programs



REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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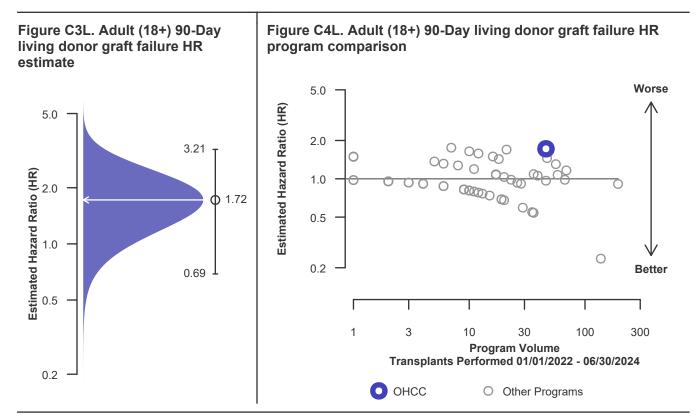
## **C. Transplant Information**

# Table C6L. Adult (18+) 90-Day survival with a functioning living donor graftSingle organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	46	1,341
Estimated probability of surviving with a functioning graft at 90 days & [95% CI] (unadjusted for patient and donor characteristics)	89.13% [80.57%-98.59%]	95.38% [94.26%-96.51%]
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	95.38%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	5	62
Number of expected graft failures (including deaths) during the first 90 days after transplant	2.07	
Estimated hazard ratio*	1.72	
95% credible interval for the hazard ratio**	[0.69, 3.21]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.69, 3.21], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 72% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 31% reduced risk up to 221% increased risk.





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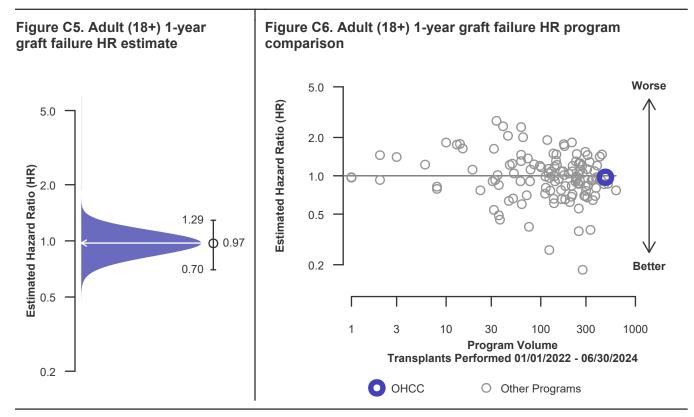
## **C. Transplant Information**

# Table C7. Adult (18+) 1-year survival with a functioning graftSingle organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	482	22,329
Estimated probability of surviving with a functioning graft at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	91.48% [88.94%-94.09%]	92.41% [92.05%-92.77%]
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	91.32%	
Number of observed graft failures (including deaths) during the first year after transplant	39	1,610
Number of expected graft failures (including deaths) during the first year after transplant	40.12	
Estimated hazard ratio*	0.97	
95% credible interval for the hazard ratio**	[0.70, 1.29]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.70, 1.29], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 3% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 30% reduced risk up to 29% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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## **C. Transplant Information**

# Table C7D. Adult (18+) 1-year survival with a functioning deceased donor graftSingle organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	436	20,988
Estimated probability of surviving with a functioning graft at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	91.68% [89.02%-94.42%]	92.35% [91.98%-92.72%]
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	91.11%	
Number of observed graft failures (including deaths) during the first year after transplant	34	1,523
Number of expected graft failures (including deaths) during the first year after transplant	37.18	
Estimated hazard ratio*	0.92	
95% credible interval for the hazard ratio**	[0.64, 1.24]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.64, 1.24], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 8% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 36% reduced risk up to 24% increased risk.

#### Figure C5D. Adult (18+) 1-year Figure C6D. Adult (18+) 1-year deceased donor graft failure deceased donor graft failure HR **HR** program comparison estimate Worse 5.0 Estimated Hazard Ratio (HR) 5.0 2.0 OC $\cap$ Estimated Hazard Ratio (HR) 1.0 2.0 0.5 1.24 С .0 0.92 0 0.2 **Better** 0 0.64 0.5 3 1 10 30 100 300 1000 **Program Volume** Transplants Performed 01/01/2022 - 06/30/2024 0.2 OHCC O Other Programs



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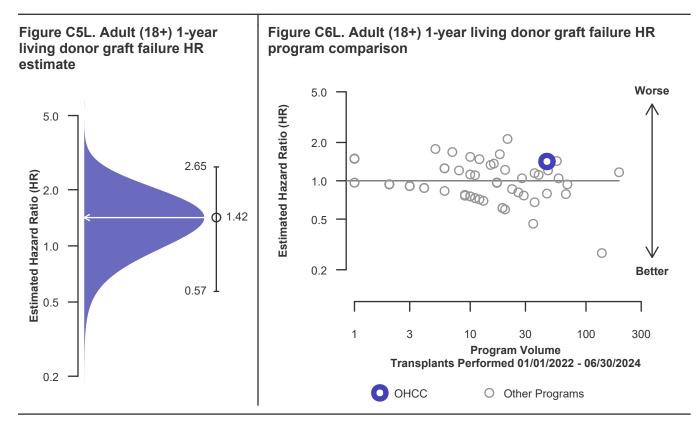
## **C. Transplant Information**

# Table C7L. Adult (18+) 1-year survival with a functioning living donor graftSingle organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	46	1,341
Estimated probability of surviving with a functioning graft at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	89.13% [80.57%-98.59%]	93.33% [91.98%-94.70%]
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	93.33%	
Number of observed graft failures (including deaths) during the first year after transplant	5	87
Number of expected graft failures (including deaths) during the first year after transplant	2.94	
Estimated hazard ratio*	1.42	
95% credible interval for the hazard ratio**	[0.57, 2.65]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.57, 2.65], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 42% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 43% reduced risk up to 165% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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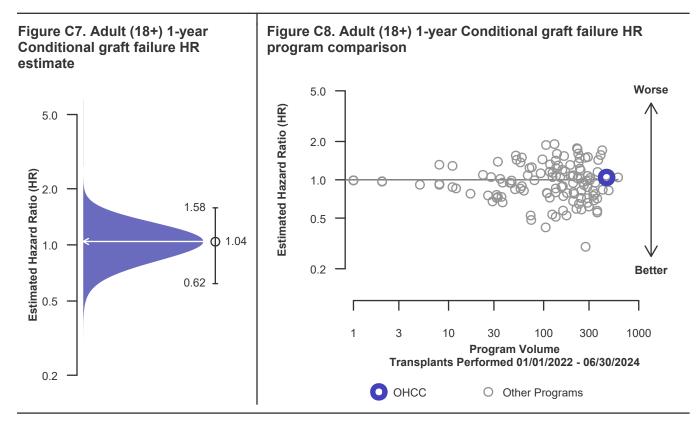
## **C. Transplant Information**

## Table C8. Adult (18+) 1-year Conditional survival with a functioning graftSingle organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	онсс	U.S.
Number of transplants evaluated	459	21,332
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 & [95% CI] [95% C	96.06% 95.28%-96.85%]	96.73% [96.63%-96.83%]
Expected probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (adjusted for patient and donor characteristics)	96.27%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	16	613
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	15.26	
Estimated hazard ratio*	1.04	
95% credible interval for the hazard ratio**	[0.62, 1.58]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.62, 1.58], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 4% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 38% reduced risk up to 58% increased risk.





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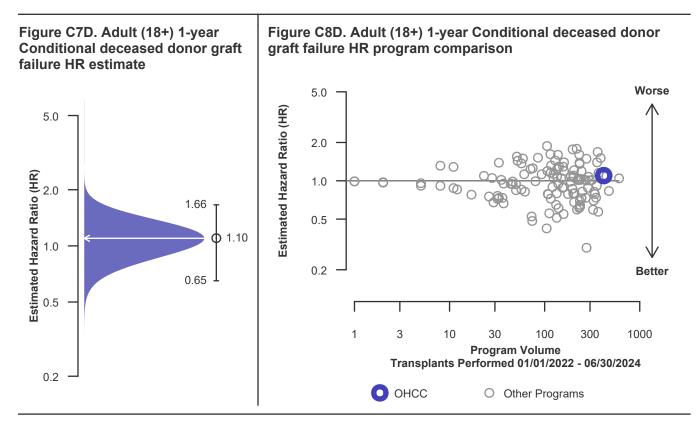
## **C. Transplant Information**

## Table C8D. Adult (18+) 1-year Conditional survival with a functioning deceased donor graft Single organ transplants performed between 01/01/2022 and 06/30/2024 Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	418	20,053
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 & [95% CI] [95% C	s 95.63% 94.68%-96.58%]	96.65% [96.55%-96.76%]
Expected probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (adjusted for patient and donor characteristics)	96.11%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	16	588
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	14.39	
Estimated hazard ratio*	1.10	
95% credible interval for the hazard ratio**	[0.65, 1.66]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.65, 1.66], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 10% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 35% reduced risk up to 66% increased risk.





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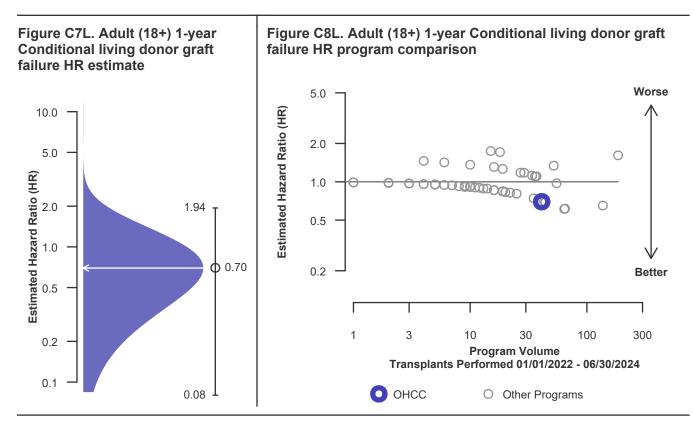
## **C. Transplant Information**

#### Table C8L. Adult (18+) 1-year Conditional survival with a functioning living donor graft Single organ transplants performed between 01/01/2022 and 06/30/2024 Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	41	1,279
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 & [95% CI] [10 (unadjusted for patient and donor characteristics)	100.00% )0.00%-100.00%]	97.85% [97.58%-98.12%]
Expected probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (adjusted for patient and donor characteristics)	97.85%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	0	25
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	0.87	
Estimated hazard ratio*	0.70	
95% credible interval for the hazard ratio**	[0.08, 1.94]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.08, 1.94], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 30% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 92% reduced risk up to 94% increased risk.





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## C. Transplant Information

#### Table C9. Adult (18+) 3-year survival with a functioning graft

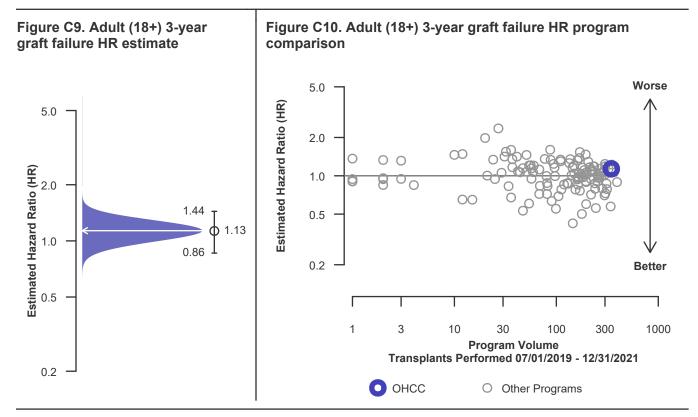
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 Deaths and retransplants are considered graft failures

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

· · · · ·	OHCC	U.S.
Number of transplants evaluated	346	17,460
Estimated probability of surviving with a functioning graft at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	80.46% [75.95%-85.24%]	85.93% [85.35%-86.52%]
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	83.54%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	56	1,977
Number of expected graft failures (including deaths) during the first 3 years after transplant	49.15	
Estimated hazard ratio*	1.13	
95% credible interval for the hazard ratio**	[0.86, 1.44]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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. [0.86, 1.44], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 13% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 14% reduced risk up to 44% increased risk.





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## C. Transplant Information

### Table C9D. Adult (18+) 3-year survival with a functioning deceased donor graft

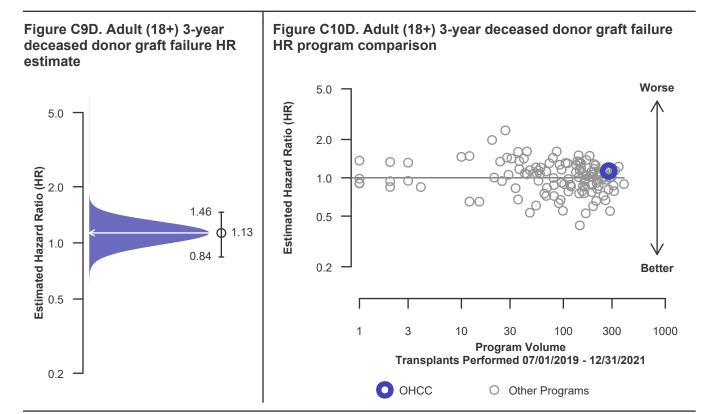
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 Deaths and retransplants are considered graft failures

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	OHCC	U.S.
Number of transplants evaluated	279	16,390
Estimated probability of surviving with a functioning graft at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	79.21% [74.15%-84.62%]	85.77% [85.16%-86.38%]
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	82.37%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	49	1,876
Number of expected graft failures (including deaths) during the first 3 years after transplant	43.10	
Estimated hazard ratio*	1.13	
95% credible interval for the hazard ratio**	[0.84, 1.46]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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. [0.84, 1.46], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 13% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 16% reduced risk up to 46% increased risk.





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## **C. Transplant Information**

### Table C9L. Adult (18+) 3-year survival with a functioning living donor graft

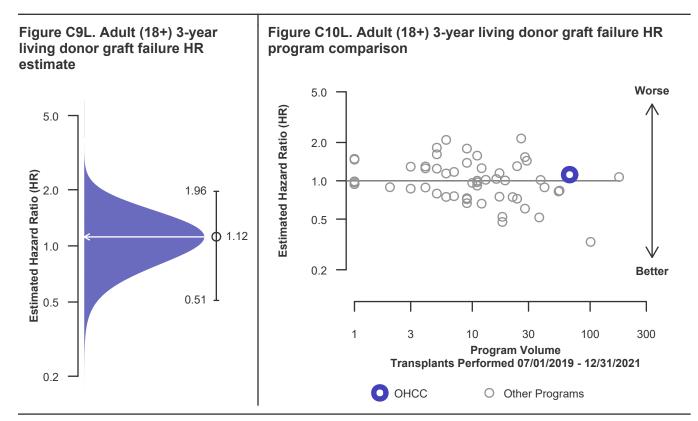
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 Deaths and retransplants are considered graft failures

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	OHCC	U.S.
Number of transplants evaluated	67	1,070
Estimated probability of surviving with a functioning graft at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	86.36% [77.32%-96.45%]	88.42% [86.29%-90.60%]
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	88.43%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	7	101
Number of expected graft failures (including deaths) during the first 3 years after transplant	6.06	
Estimated hazard ratio*	1.12	
95% credible interval for the hazard ratio**	[0.51, 1.96]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.51, 1.96], 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 49% reduced risk up to 96% increased risk.





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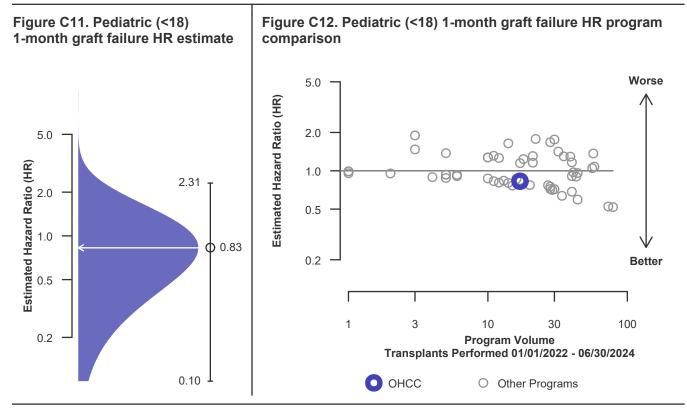
## **C. Transplant Information**

# Table C10. Pediatric (<18) 1-month survival with a functioning graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	17	1,303
Estimated probability of surviving with a functioning graft at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	96.62% [95.65%-97.61%]
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	97.59%	
Number of observed graft failures (including deaths) during the first month after transplant	0	44
Number of expected graft failures (including deaths) during the first month after transplant	0.42	
Estimated hazard ratio*	0.83	
95% credible interval for the hazard ratio**	[0.10, 2.31]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, 2.31], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 17% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 90% reduced risk up to 131% increased risk.





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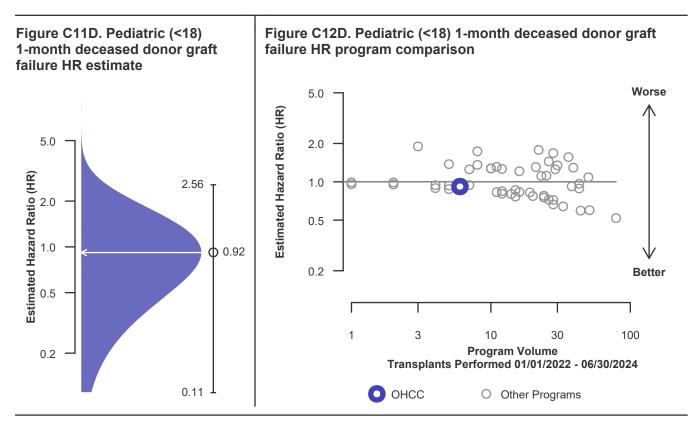
## **C. Transplant Information**

# Table C10D. Pediatric (<18) 1-month survival with a functioning deceased donor graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	6	1,069
Estimated probability of surviving with a functioning graft at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	96.35% [95.23%-97.48%]
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	97.08%	
Number of observed graft failures (including deaths) during the first month after transplant	0	39
Number of expected graft failures (including deaths) during the first month after transplant	0.18	
Estimated hazard ratio*	0.92	
95% credible interval for the hazard ratio**	[0.11, 2.56]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.11, 2.56], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 8% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 156% increased risk.





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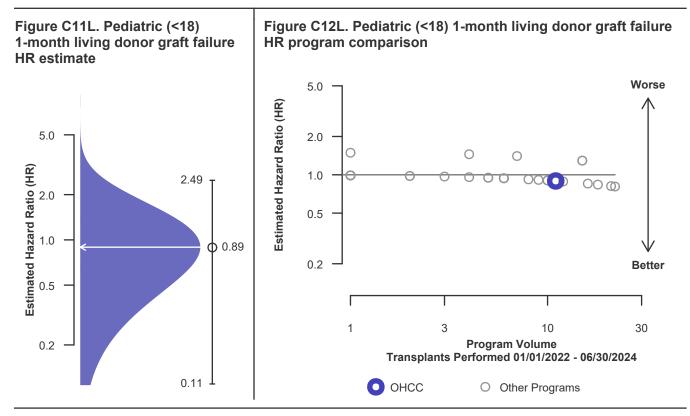
## **C. Transplant Information**

# Table C10L. Pediatric (<18) 1-month survival with a functioning living donor graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	11	234
Estimated probability of surviving with a functioning graft at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	97.86% [96.03%-99.73%]
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	97.87%	
Number of observed graft failures (including deaths) during the first month after transplant	0	5
Number of expected graft failures (including deaths) during the first month after transplant	0.24	
Estimated hazard ratio*	0.89	
95% credible interval for the hazard ratio**	[0.11, 2.49]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.11, 2.49], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 11% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 149% increased risk.





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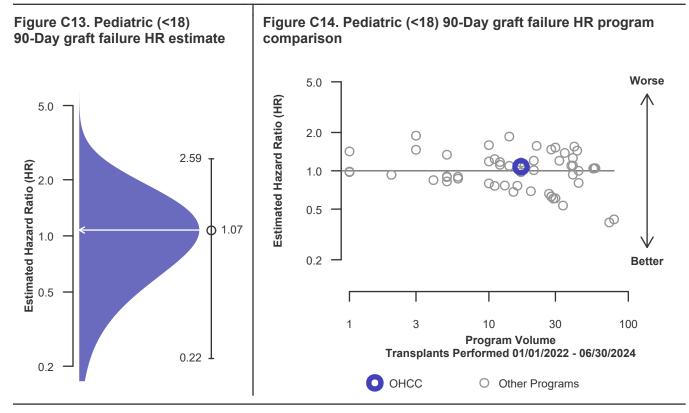
## C. Transplant Information

# Table C11. Pediatric (<18) 90-Day survival with a functioning graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	17	1,303
Estimated probability of surviving with a functioning graft at 90 days & [95% CI] (unadjusted for patient and donor characteristics)	94.12% [83.57%-100.00%]	94.93% [93.75%-96.13%]
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	95.42%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	1	66
Number of expected graft failures (including deaths) during the first 90 days after transplant	0.79	
Estimated hazard ratio*	1.07	
95% credible interval for the hazard ratio**	[0.22, 2.59]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.22, 2.59], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 7% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 78% reduced risk up to 159% increased risk.





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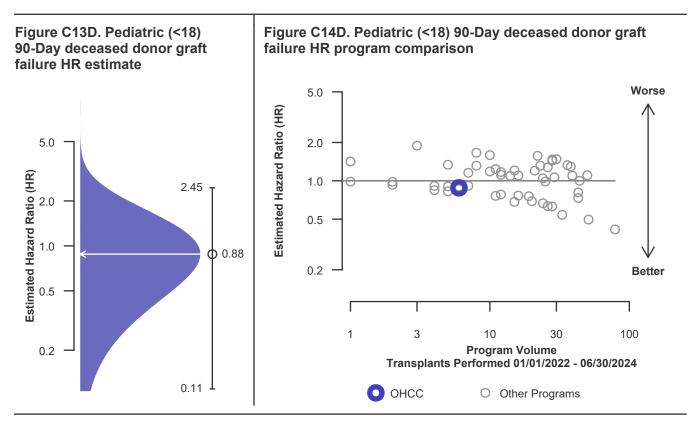
## **C. Transplant Information**

# Table C11D. Pediatric (<18) 90-Day survival with a functioning deceased donor graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	6	1,069
Estimated probability of surviving with a functioning graft at 90 days & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	94.86% [93.54%-96.19%]
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	95.63%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	0	55
Number of expected graft failures (including deaths) during the first 90 days after transplant	0.27	
Estimated hazard ratio*	0.88	
95% credible interval for the hazard ratio**	[0.11, 2.45]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.11, 2.45], 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 89% reduced risk up to 145% increased risk.





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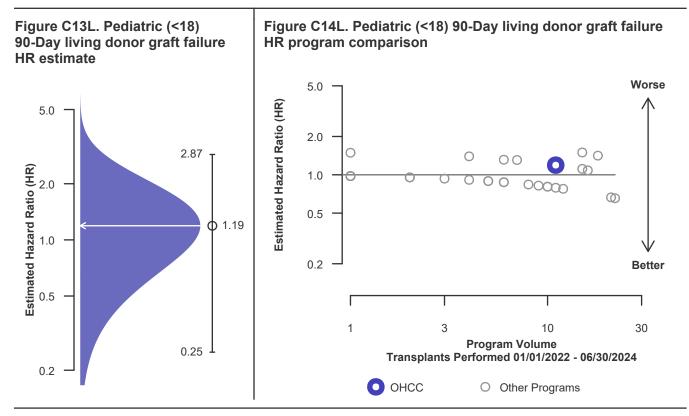
## **C. Transplant Information**

# Table C11L. Pediatric (<18) 90-Day survival with a functioning living donor graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	11	234
Estimated probability of surviving with a functioning graft at 90 days & [95% CI] (unadjusted for patient and donor characteristics)	90.91% [75.41%-100.00%]	95.30% [92.63%-98.05%]
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	95.31%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	1	11
Number of expected graft failures (including deaths) during the first 90 days after transplant	0.52	
Estimated hazard ratio*	1.19	
95% credible interval for the hazard ratio**	[0.25, 2.87]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.25, 2.87], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 19% higher risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 75% reduced risk up to 187% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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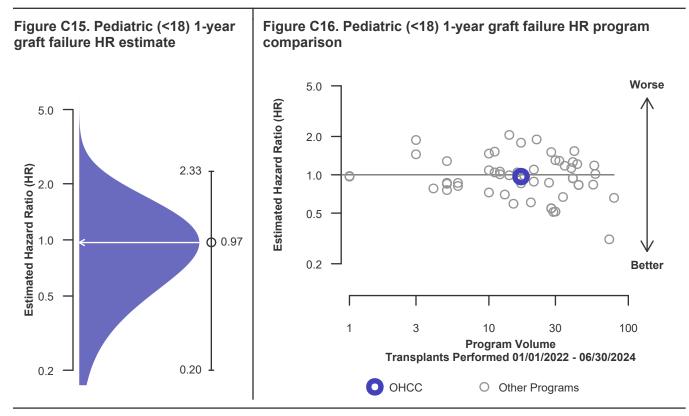
## **C. Transplant Information**

# Table C12. Pediatric (<18) 1-year survival with a functioning graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	17	1,303
Estimated probability of surviving with a functioning graft at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	94.12% [83.57%-100.00%]	93.06% [91.67%-94.48%]
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	93.45%	
Number of observed graft failures (including deaths) during the first year after transplant	1	88
Number of expected graft failures (including deaths) during the first year after transplant	1.10	
Estimated hazard ratio*	0.97	
95% credible interval for the hazard ratio**	[0.20, 2.33]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.20, 2.33], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 3% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 80% reduced risk up to 133% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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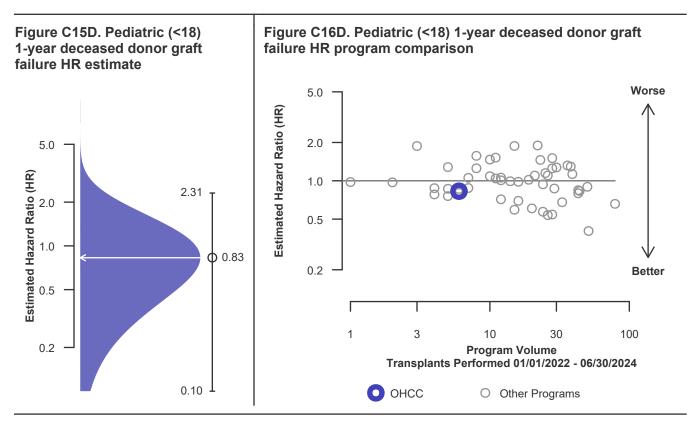
## **C. Transplant Information**

# Table C12D. Pediatric (<18) 1-year survival with a functioning deceased donor graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	6	1,069
Estimated probability of surviving with a functioning graft at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	92.98% [91.44%-94.56%]
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	93.47%	
Number of observed graft failures (including deaths) during the first year after transplant	0	73
Number of expected graft failures (including deaths) during the first year after transplant	0.41	
Estimated hazard ratio*	0.83	
95% credible interval for the hazard ratio**	[0.10, 2.31]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, 2.31], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 17% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 90% reduced risk up to 131% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025RECIPIENTSBased on Data Available: April 30, 2025

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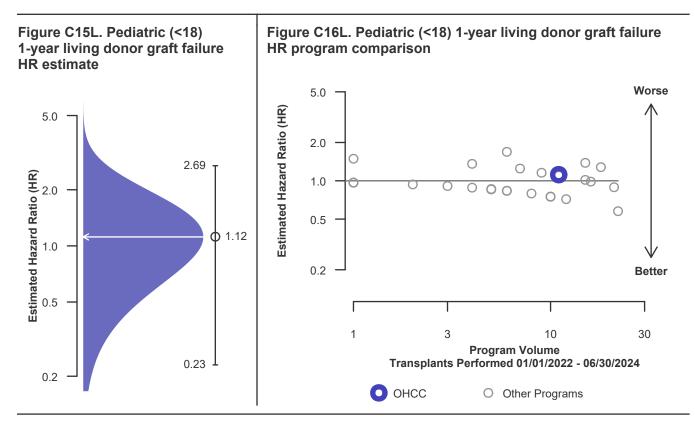
## **C. Transplant Information**

# Table C12L. Pediatric (<18) 1-year survival with a functioning living donor graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	ОНСС	U.S.
Number of transplants evaluated	11	234
Estimated probability of surviving with a functioning graft at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	90.91% [75.41%-100.00%]	93.43% [90.25%-96.72%]
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	93.44%	
Number of observed graft failures (including deaths) during the first year after transplant	1	15
Number of expected graft failures (including deaths) during the first year after transplant	0.69	
Estimated hazard ratio*	1.12	
95% credible interval for the hazard ratio**	[0.23, 2.69]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.23, 2.69], 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 77% reduced risk up to 169% increased risk.





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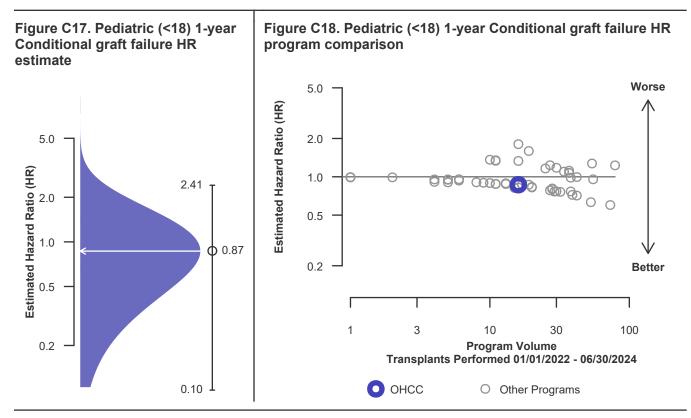
## C. Transplant Information

# Table C13. Pediatric (<18) 1-year Conditional survival with a functioning graft</th>Single organ transplants performed between 01/01/2022 and 06/30/2024Deaths and retransplants are considered graft failures

	онсс	U.S.
Number of transplants evaluated	16	1,237
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 & [95% CI] [10 (unadjusted for patient and donor characteristics)	100.00% 00.00%-100.00%]	98.03% [97.78%-98.28%]
Expected probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (adjusted for patient and donor characteristics)	97.94%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	0	22
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	0.31	
Estimated hazard ratio*	0.87	
95% credible interval for the hazard ratio**	[0.10, 2.41]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, 2.41], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 13% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 90% reduced risk up to 141% increased risk.





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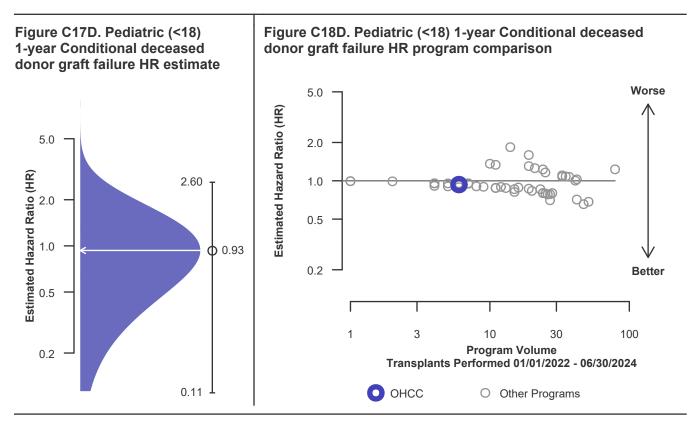
## **C. Transplant Information**

## Table C13D. Pediatric (<18) 1-year Conditional survival with a functioning deceased donor graft</th> Single organ transplants performed between 01/01/2022 and 06/30/2024 Deaths and retransplants are considered graft failures

	OHCC	U.S.
Number of transplants evaluated	6	1,014
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 & [95% CI] [10 (unadjusted for patient and donor characteristics)	100.00% 00.00%-100.00%]	98.03% [97.75%-98.30%]
Expected probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (adjusted for patient and donor characteristics)	97.75%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	0	18
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	0.14	
Estimated hazard ratio*	0.93	
95% credible interval for the hazard ratio**	[0.11, 2.60]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.11, 2.60], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 7% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 160% increased risk.





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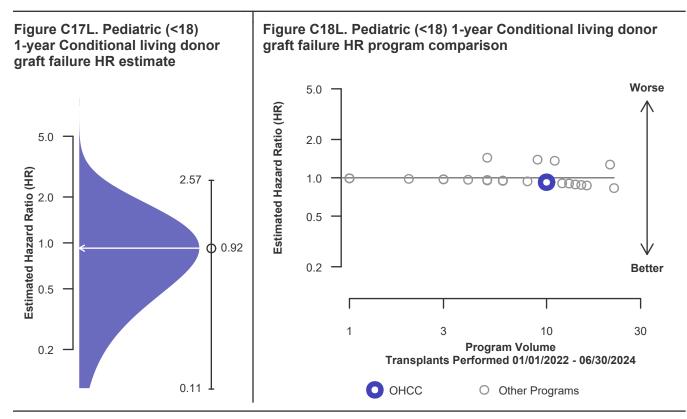
## **C. Transplant Information**

## Table C13L. Pediatric (<18) 1-year Conditional survival with a functioning living donor graft</th> Single organ transplants performed between 01/01/2022 and 06/30/2024 Deaths and retransplants are considered graft failures

	OHCC	U.S.
Number of transplants evaluated	10	223
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 & [95% CI] [10 (unadjusted for patient and donor characteristics)	100.00% )0.00%-100.00%]	98.04% [97.44%-98.64%]
Expected probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (adjusted for patient and donor characteristics)	98.04%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	0	4
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	0.17	
Estimated hazard ratio*	0.92	
95% credible interval for the hazard ratio**	[0.11, 2.57]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.11, 2.57], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 8% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 157% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025

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## **C. Transplant Information**

#### Table C14. Pediatric (<18) 3-year survival with a functioning graft

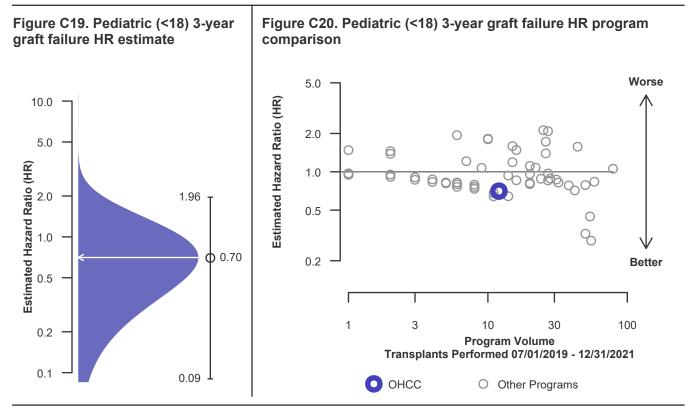
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 Deaths and retransplants are considered graft failures

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	OHCC	U.S.
Number of transplants evaluated	12	1,110
Estimated probability of surviving with a functioning graft at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	90.01% [88.07%-92.00%]
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	90.91%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	0	93
Number of expected graft failures (including deaths) during the first 3 years after transplant	0.84	
Estimated hazard ratio*	0.70	
95% credible interval for the hazard ratio**	[0.09, 1.96]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.09, 1.96], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 30% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 91% reduced risk up to 96% increased risk.





Center Code: OHCC REGISTRY OF Transplant Program (Organ): Liver TRANSPLANT Release Date: July 8, 2025 RECIPIENTS

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## C. Transplant Information

### Table C14D. Pediatric (<18) 3-year survival with a functioning deceased donor graft

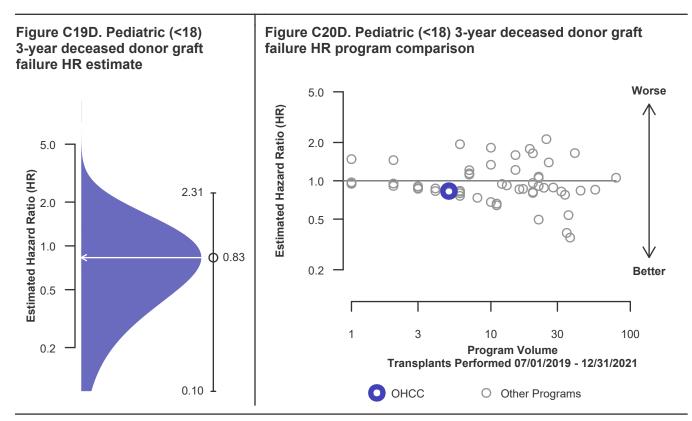
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 Deaths and retransplants are considered graft failures

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

· · · · ·	OHCC	U.S.
Number of transplants evaluated	5	929
Estimated probability of surviving with a functioning graft at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	89.71% [87.58%-91.90%]
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	89.88%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	0	81
Number of expected graft failures (including deaths) during the first 3 years after transplant	0.41	
Estimated hazard ratio*	0.83	
95% credible interval for the hazard ratio**	[0.10, 2.31]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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. 2.31]. indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 17% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 90% reduced risk up to 131% increased risk.





REGISTRY OFCenter Code: OHCCTRANSPLANTTransplant Program (Organ): Liver<br/>Release Date: July 8, 2025

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## **C. Transplant Information**

### Table C14L. Pediatric (<18) 3-year survival with a functioning living donor graft

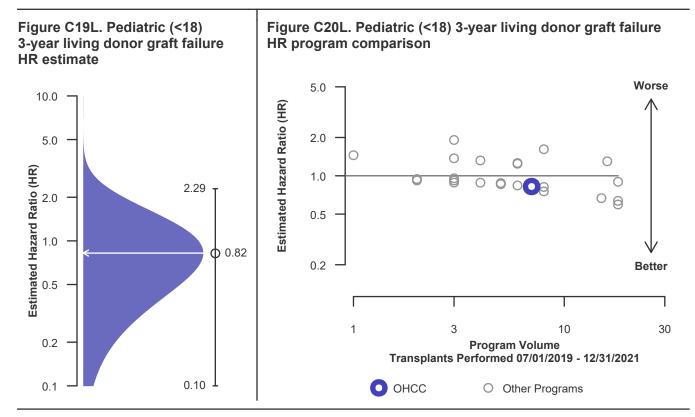
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 Deaths and retransplants are considered graft failures

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ОНСС	U.S.
Number of transplants evaluated	7	181
Estimated probability of surviving with a functioning graft at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	91.61% [87.06%-96.39%]
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	91.64%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	0	12
Number of expected graft failures (including deaths) during the first 3 years after transplant	0.43	
Estimated hazard ratio*	0.82	
95% credible interval for the hazard ratio**	[0.10, 2.29]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, 2.29], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 18% lower risk of graft failure compared to an average program, but OHCC's performance could plausibly range from 90% reduced risk up to 129% increased risk.





Center Code: OHCC REGISTRY OF Transplant Program (Organ): Liver TRANSPLANT Release Date: July 8, 2025 RECIPIENTS Based on Data Available: April 30, 2025 SRTR Program-Specific Report Feedback?: SRTR@SRTR.org 1.877.970.SRTR (7787) http://www.srtr.org

## C. Transplant Information

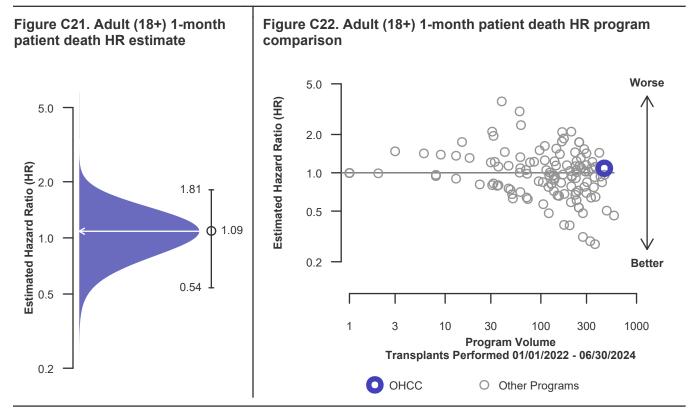
#### Table C15. Adult (18+) 1-month patient survival

Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded** 

	ОНСС	U.S.
Number of transplants evaluated	461	21,592
Estimated probability of surviving at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	98.05% [96.79%-99.32%]	98.41% [98.24%-98.57%]
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	98.22%	
Number of observed deaths during the first month after transplant	9	344
Number of expected deaths during the first month after transplant	8.14	
Estimated hazard ratio*	1.09	
95% credible interval for the hazard ratio**	[0.54, 1.81]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.54, 1.81], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 9% higher risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 46% reduced risk up to 81% increased risk.





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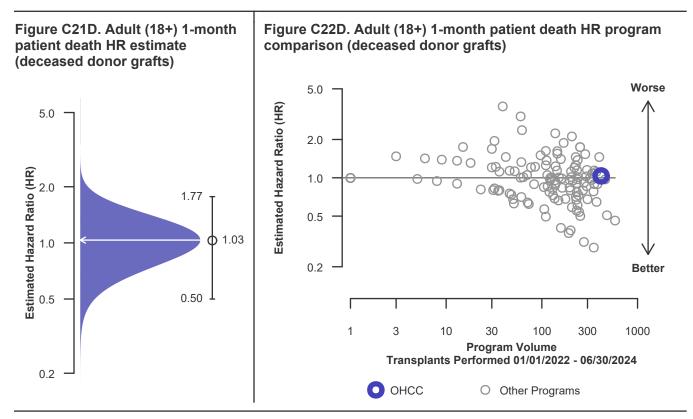
## C. Transplant Information

#### Table C15D. Adult (18+) 1-month patient survival (deceased donor graft recipients) Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded**

	ОНСС	U.S.
Number of transplants evaluated	416	20,267
Estimated probability of surviving at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	98.08% [96.77%-99.41%]	98.37% [98.20%-98.55%]
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	98.14%	
Number of observed deaths during the first month after transplant	8	330
Number of expected deaths during the first month after transplant	7.66	
Estimated hazard ratio*	1.03	
95% credible interval for the hazard ratio**	[0.50, 1.77]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.50, 1.77], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 3% higher risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 50% reduced risk up to 77% increased risk.





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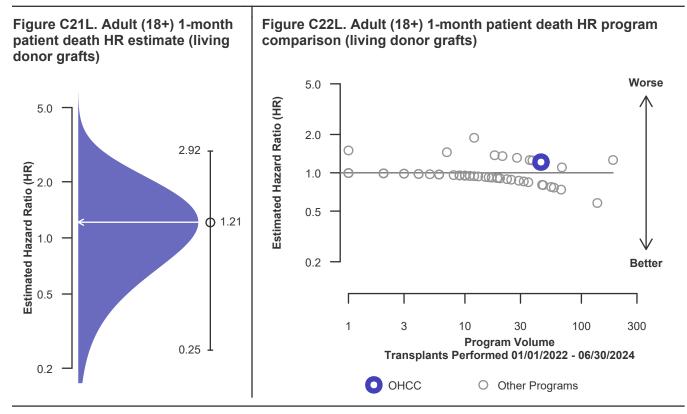
## C. Transplant Information

#### Table C15L. Adult (18+) 1-month patient survival (living donor graft recipients) Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded**

	ОНСС	U.S.
Number of transplants evaluated	45	1,325
Estimated probability of surviving at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	97.78% [93.56%-100.00%]	98.94% [98.39%-99.50%]
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	98.94%	
Number of observed deaths during the first month after transplant	1	14
Number of expected deaths during the first month after transplant	0.47	
Estimated hazard ratio*	1.21	
95% credible interval for the hazard ratio**	[0.25, 2.92]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.25, 2.92], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 21% higher risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 75% reduced risk up to 192% increased risk.





Center Code: OHCC REGISTRY OF Transplant Program (Organ): Liver TRANSPLANT Release Date: July 8, 2025 RECIPIENTS Based on Data Available: April 30, 2025 SRTR Program-Specific Report Feedback?: SRTR@SRTR.org 1.877.970.SRTR (7787) http://www.srtr.org

## C. Transplant Information

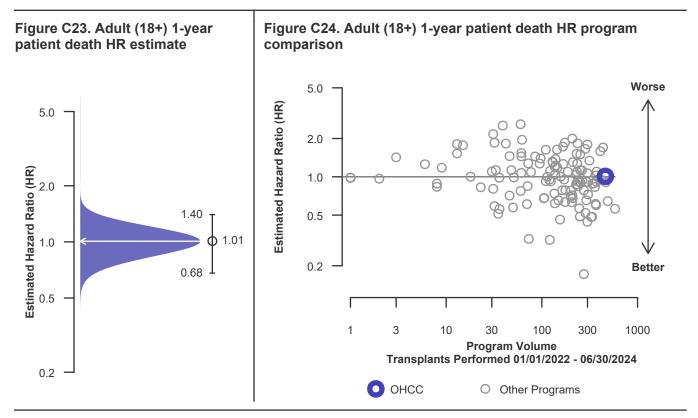
#### Table C16. Adult (18+) 1-year patient survival

Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded** 

	ОНСС	U.S.
Number of transplants evaluated	461	21,592
Estimated probability of surviving at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	93.54% [91.24%-95.90%]	94.34% [94.02%-94.66%]
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	93.64%	
Number of observed deaths during the first year after transplant	28	1,149
Number of expected deaths during the first year after transplant	27.76	
Estimated hazard ratio*	1.01	
95% credible interval for the hazard ratio**	[0.68, 1.40]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.68, 1.40], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 1% higher risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 32% reduced risk up to 40% increased risk.





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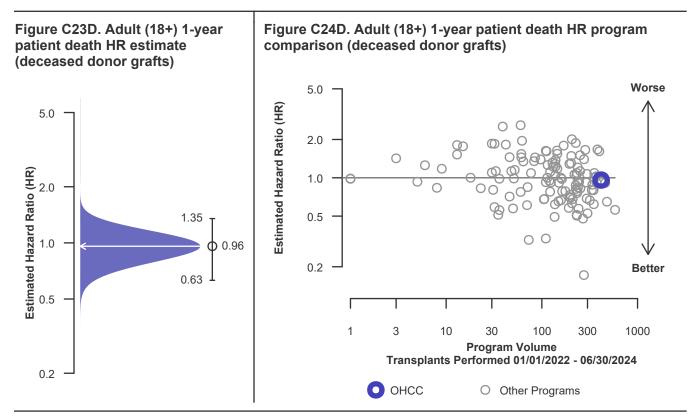
## C. Transplant Information

#### Table C16D. Adult (18+) 1-year patient survival (deceased donor graft recipients) Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded**

	OHCC	U.S.
Number of transplants evaluated	416	20,267
Estimated probability of surviving at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	93.52% [91.08%-96.03%]	94.22% [93.88%-94.55%]
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	93.35%	
Number of observed deaths during the first year after transplant	25	1,102
Number of expected deaths during the first year after transplant	26.14	
Estimated hazard ratio*	0.96	
95% credible interval for the hazard ratio**	[0.63, 1.35]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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 platient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0. \*\* The 95% credible interval, [0.63, 1.35], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 4% lower risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 37% reduced risk up to 35% increased risk.





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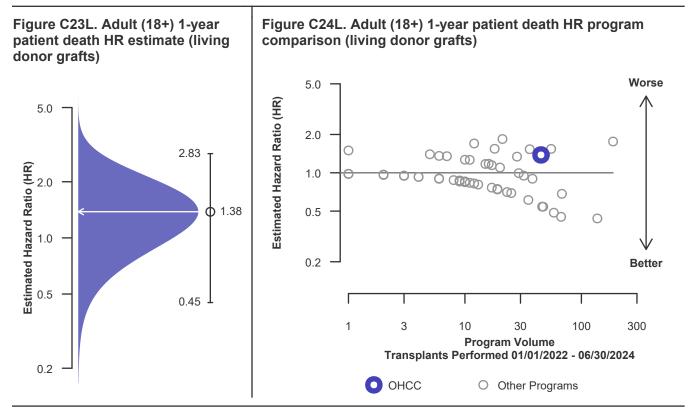
## C. Transplant Information

#### Table C16L. Adult (18+) 1-year patient survival (living donor graft recipients) Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded**

	ОНСС	U.S.
Number of transplants evaluated	45	1,325
Estimated probability of surviving at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	93.33% [86.32%-100.00%]	96.24% [95.19%-97.31%]
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	96.25%	
Number of observed deaths during the first year after transplant	3	47
Number of expected deaths during the first year after transplant	1.62	
Estimated hazard ratio*	1.38	
95% credible interval for the hazard ratio**	[0.45, 2.83]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.45, 2.83], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 38% higher risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 55% reduced risk up to 183% increased risk.





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## C. Transplant Information

#### Table C17. Adult (18+) 3-year patient survival

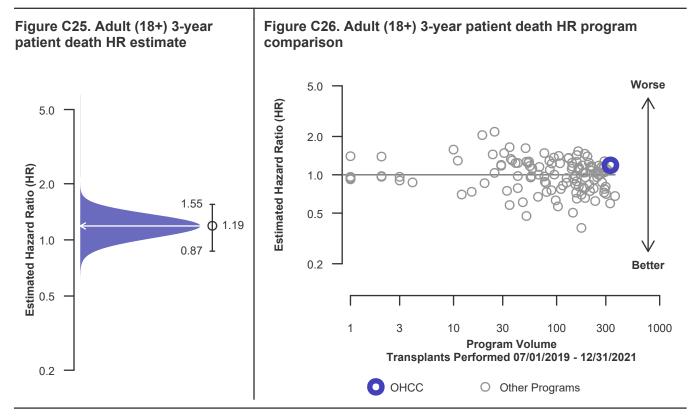
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 **Retransplants excluded** 

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

· · · · ·	OHCC	U.S.
Number of transplants evaluated	333	16,849
Estimated probability of surviving at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	83.37% [79.02%-87.97%]	88.16% [87.61%-88.72%]
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	86.73%	
Number of observed deaths during the first 3 years after transplant	45	1,569
Number of expected deaths during the first 3 years after transplant	37.58	
Estimated hazard ratio*	1.19	
95% credible interval for the hazard ratio**	[0.87, 1.55]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.87, 1.55], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 19% higher risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 13% reduced risk up to 55% increased risk.





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## C. Transplant Information

### Table C17D. Adult (18+) 3-year patient survival (deceased donor graft recipients)

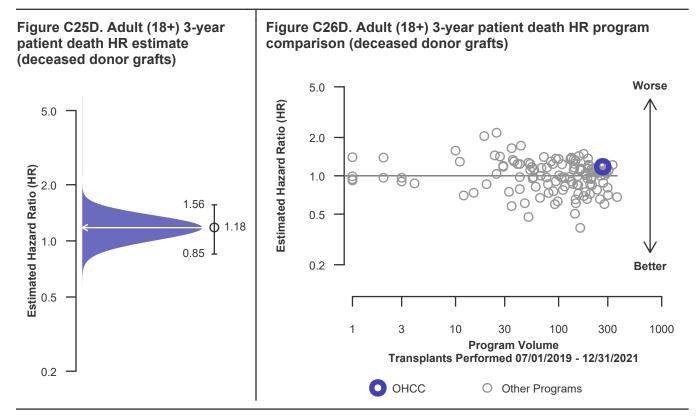
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 **Retransplants excluded** 

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

· · · · ·	OHCC	U.S.
Number of transplants evaluated	268	15,790
Estimated probability of surviving at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	82.04% [77.11%-87.28%]	87.96% [87.38%-88.55%]
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	85.44%	
Number of observed deaths during the first 3 years after transplant	40	1,495
Number of expected deaths during the first 3 years after transplant	33.67	
Estimated hazard ratio*	1.18	
95% credible interval for the hazard ratio**	[0.85, 1.56]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.85, 1.56], 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 15% reduced risk up to 56% increased risk.





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## C. Transplant Information

### Table C17L. Adult (18+) 3-year patient survival (living donor graft recipients)

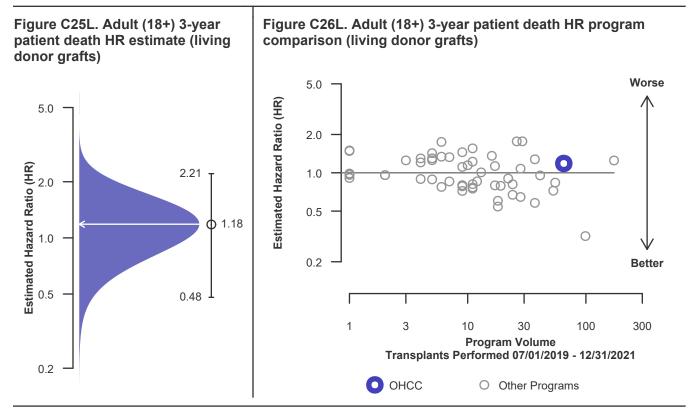
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 **Retransplants excluded** 

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	OHCC	U.S.
Number of transplants evaluated	65	1,059
Estimated probability of surviving at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	89.72% [81.49%-98.79%]	91.11% [89.18%-93.09%]
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	92.07%	
Number of observed deaths during the first 3 years after transplant	5	74
Number of expected deaths during the first 3 years after transplant	3.91	
Estimated hazard ratio*	1.18	
95% credible interval for the hazard ratio**	[0.48, 2.21]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.48, 2.21], 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 52% reduced risk up to 121% increased risk.





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## C. Transplant Information

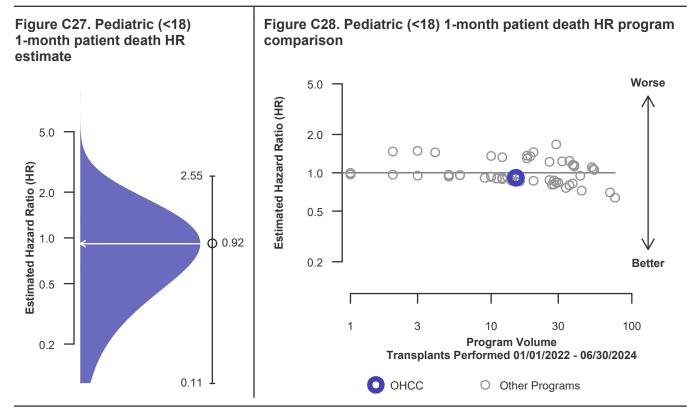
### Table C18. Pediatric (<18) 1-month patient survival

Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded** 

	ОНСС	U.S.
Number of transplants evaluated	15	1,235
Estimated probability of surviving at 1 month & [95% CI] (unadjusted for patient and donor characteristics) Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	100.00% [100.00%-100.00%] 98.78%	98.22% [97.48%-98.96%] 
Number of observed deaths during the first month after transplant	0	22
Number of expected deaths during the first month after transplant	0.19	
Estimated hazard ratio*	0.92	
95% credible interval for the hazard ratio**	[0.11, 2.55]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, 2.55], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 8% lower risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 155% increased risk.





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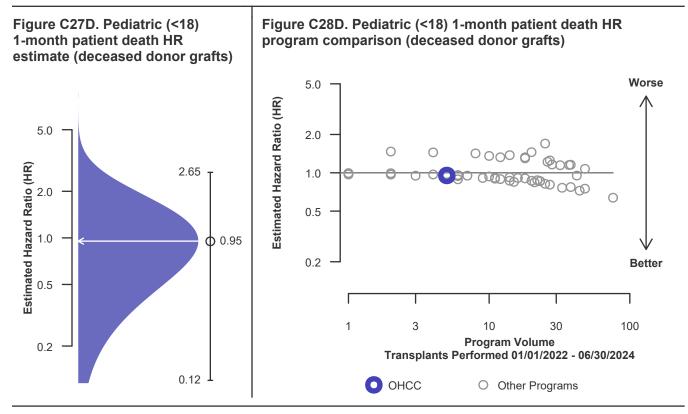
## C. Transplant Information

#### Table C18D. Pediatric (<18) 1-month patient survival (deceased donor graft recipients) Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded**

	ОНСС	U.S.
Number of transplants evaluated	5	1,003
Estimated probability of surviving at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	98.01% [97.14%-98.87%]
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	98.05%	
Number of observed deaths during the first month after transplant	0	20
Number of expected deaths during the first month after transplant	0.10	
Estimated hazard ratio*	0.95	
95% credible interval for the hazard ratio**	[0.12, 2.65]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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 platient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0. \*\* The 95% credible interval, [0.12, 2.65], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 5% lower risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 88% reduced risk up to 165% increased risk.





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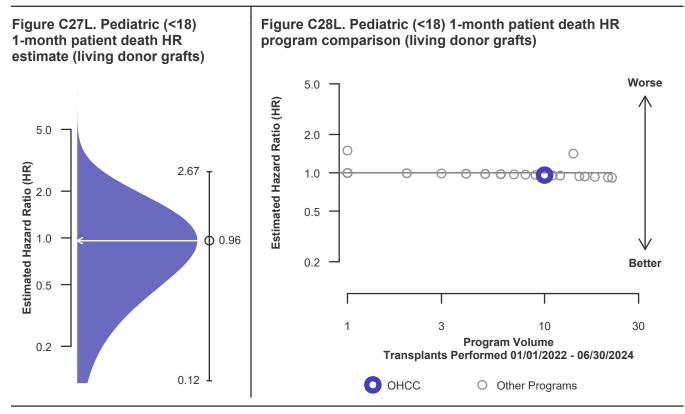
## C. Transplant Information

#### Table C18L. Pediatric (<18) 1-month patient survival (living donor graft recipients) Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded**

	ОНСС	U.S.
Number of transplants evaluated	10	232
Estimated probability of surviving at 1 month & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	99.14% [97.96%-100.00%]
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	99.14%	
Number of observed deaths during the first month after transplant	0	2
Number of expected deaths during the first month after transplant	0.09	
Estimated hazard ratio*	0.96	
95% credible interval for the hazard ratio**	[0.12, 2.67]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.12, 2.67], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 4% lower risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 88% reduced risk up to 167% increased risk.





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## C. Transplant Information

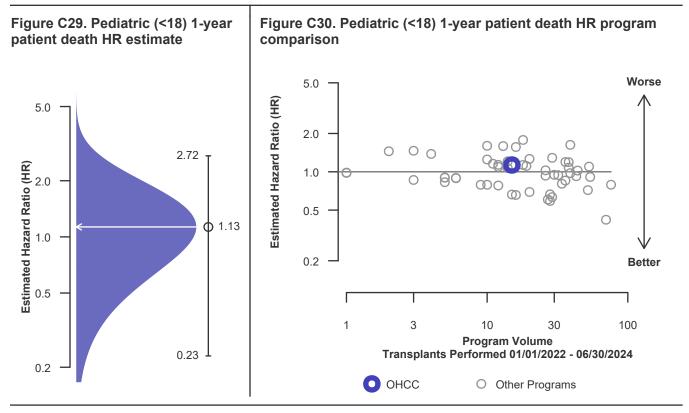
#### Table C19. Pediatric (<18) 1-year patient survival

Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded** 

	ОНСС	U.S.
Number of transplants evaluated	15	1,235
Estimated probability of surviving at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	93.33% [81.53%-100.00%]	95.32% [94.12%-96.53%]
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	95.44%	
Number of observed deaths during the first year after transplant	1	56
Number of expected deaths during the first year after transplant	0.65	
Estimated hazard ratio*	1.13	
95% credible interval for the hazard ratio**	[0.23, 2.72]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, 2.72], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 13% higher risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 77% reduced risk up to 172% increased risk.





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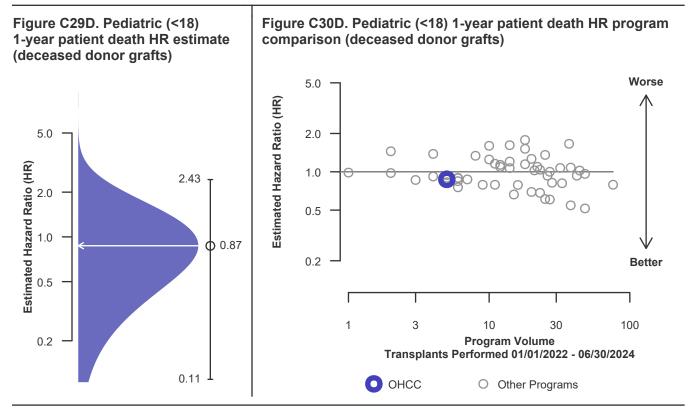
## C. Transplant Information

#### Table C19D. Pediatric (<18) 1-year patient survival (deceased donor graft recipients) Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded**

	ОНСС	U.S.
Number of transplants evaluated	5	1,003
Estimated probability of surviving at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	95.17% [93.83%-96.53%]
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	94.39%	
Number of observed deaths during the first year after transplant	0	47
Number of expected deaths during the first year after transplant	0.29	
Estimated hazard ratio*	0.87	
95% credible interval for the hazard ratio**	[0.11, 2.43]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, 2.43], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 13% lower risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 143% increased risk.





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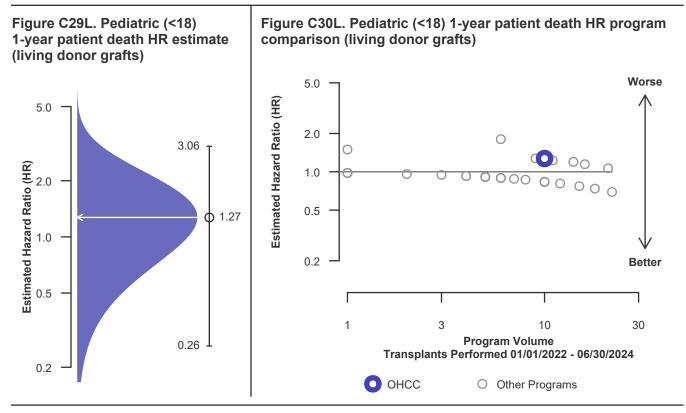
## C. Transplant Information

#### Table C19L. Pediatric (<18) 1-year patient survival (living donor graft recipients) Single organ transplants performed between 01/01/2022 and 06/30/2024 **Retransplants excluded**

	ОНСС	U.S.
Number of transplants evaluated	10	232
Estimated probability of surviving at 1 year & [95% CI] (unadjusted for patient and donor characteristics)	90.00% [73.20%-100.00%]	95.95% [93.38%-98.60%]
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	95.96%	
Number of observed deaths during the first year after transplant	1	9
Number of expected deaths during the first year after transplant	0.36	
Estimated hazard ratio*	1.27	
95% credible interval for the hazard ratio**	[0.26, 3.06]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.26, 3.06], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 27% higher risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 74% reduced risk up to 206% increased risk.





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## C. Transplant Information

#### Table C20. Pediatric (<18) 3-year patient survival

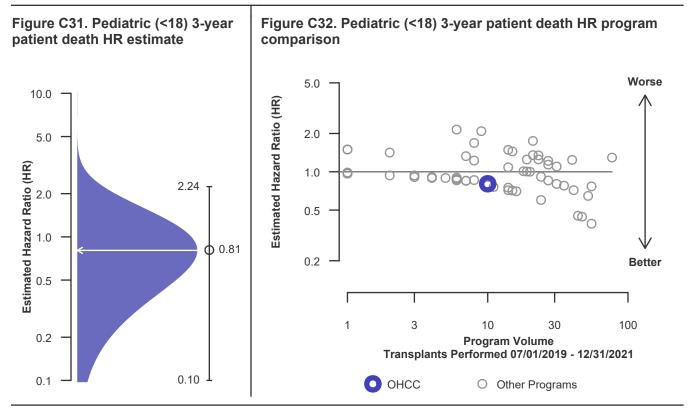
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 **Retransplants excluded** 

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

· · · ·	OHCC	U.S.
Number of transplants evaluated	10	1,045
Estimated probability of surviving at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	93.56% [91.91%-95.25%]
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	93.89%	
Number of observed deaths during the first 3 years after transplant	0	55
Number of expected deaths during the first 3 years after transplant	0.48	
Estimated hazard ratio*	0.81	
95% credible interval for the hazard ratio**	[0.10, 2.24]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, [0.10, 2.24], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 19% lower risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 90% reduced risk up to 124% increased risk.





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## **C. Transplant Information**

#### Table C20D. Pediatric (<18) 3-year patient survival (deceased donor graft recipients) Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021

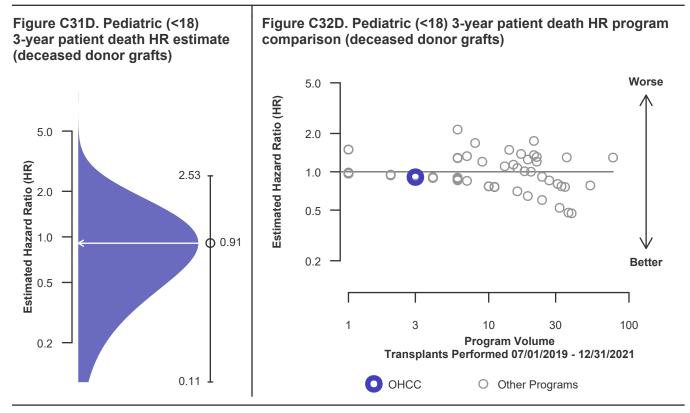
Retransplants excluded

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	OHCC	U.S.
Number of transplants evaluated	3	866
Estimated probability of surviving at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	93.46% [91.65%-95.31%]
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	93.47%	
Number of observed deaths during the first 3 years after transplant	0	47
Number of expected deaths during the first 3 years after transplant	0.20	
Estimated hazard ratio*	0.91	
95% credible interval for the hazard ratio**	[0.11, 2.53]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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.

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, 2.53], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 9% lower risk of patient death compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 153% increased risk.





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## C. Transplant Information

### Table C20L. Pediatric (<18) 3-year patient survival (living donor graft recipients)

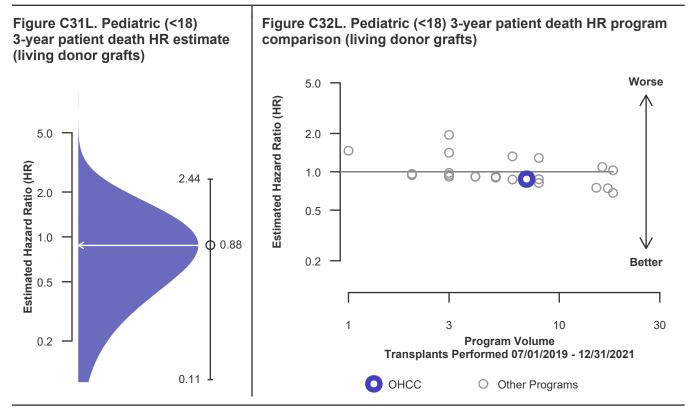
Single organ transplants performed between 07/01/2019 and 03/12/2020, and 06/13/2020 and 12/31/2021 **Retransplants excluded** 

Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	OHCC	U.S.
Number of transplants evaluated	7	179
Estimated probability of surviving at 3 years & [95% CI] (unadjusted for patient and donor characteristics)	100.00% [100.00%-100.00%]	94.05% [90.04%-98.23%]
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	94.07%	
Number of observed deaths during the first 3 years after transplant	0	8
Number of expected deaths during the first 3 years after transplant	0.28	
Estimated hazard ratio*	0.88	
95% credible interval for the hazard ratio**	[0.11, 2.44]	

\* The hazard ratio provides an estimate of how The Cleveland Clinic Foundation'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, 2.44], indicates the location of OHCC's true hazard ratio with 95% probability. The best estimate is 12% lower risk

of patient death compared to an average program, but OHCC's performance could plausibly range from 89% reduced risk up to 144% increased risk.





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## **C. Transplant Information**

### Table C21. Multi-organ transplant graft survival: 01/01/2022 - 06/30/2024

Adult (18+) Transplants	First-Year Outcomes					
Transplant Type	Transplants Performed OHCC-TX1 USA		Liver Graft Failures OHCC-TX1 USA		Estimated Liver Graft Survival OHCC-TX1 USA	
Kidney-Liver-Lung	1	1	0	0	100.0%	100.0%
Kidney-Liver	46	1,954	4	187	91.3%	90.4%
Kidney-Pancreas-Liver-Intestine	1	2	1	1	0.0%	50.0%
Liver-Heart	10	176	1	34	90.0%	80.7%
Liver-Lung	7	45	0	7	100.0%	84.4%
Pancreas-Liver-Intestine	2	40	2	17	0.0%	57.5%

### Pediatric (<18) Transplants

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

### Table C22. Multi-organ transplant patient survival: 01/01/2022 - 06/30/2024

Adult (18+) Transplants	First-Year Outcomes					
Transplant Type	Transplants Performed OHCC-TX1 USA		Patient Deaths OHCC-TX1 USA		Estimated Patient Survival OHCC-TX1 USA	
Kidney-Liver-Lung	1	1	0	0	100.0%	100.0%
Kidney-Liver	46	1,954	4	176	91.3%	91.0%
Kidney-Pancreas-Liver-Intestine	1	2	1	1	0.0%	50.0%
Liver-Heart	10	176	1	34	90.0%	80.7%
Liver-Lung	7	45	0	7	100.0%	84.4%
Pancreas-Liver-Intestine	2	40	2	16	0.0%	60.0%

#### Pediatric (<18) Transplants

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

The data reported here were prepared by the Scientific Registry of Transplant Recipients (SRTR) under contract with the Health Resources and Services Administration (HRSA). See COVID-19 Guide for pandemic-related follow-up limits.



SRTR Program-Specific Report Feedback?: SRTR@SRTR.org 1.877.970.SRTR (7787) http://www.srtr.org

## **D. Living Donor Information**

### Table D1. Living donor summary: 01/01/2022 - 12/31/2024

	This Center		United States			
Living Donor Follow-Up	01/2022- 12/2022	01/2023- 12/2023	01/2024- 06/2024	01/2022- 12/2022	01/2023- 12/2023	01/2024- 06/2024
Number of Living Donors	29	19	9	595	652	314
6-Month Follow-Up Donors due for follow-up	29	19	8	595	652	268
Timely clinical data	25 86.2%	18 94.7%	8 100.0%	487 81.8%	550 84.4%	225 84.0%
Timely lab data	25 86.2%	18 94.7%	8 100.0%	499 83.9%	562 86.2%	224 83.6%
12-Month Follow-Up Donors due for follow-up	29	17		595	601	
Timely clinical data	26 89.7%	16 94.1%		484 81.3%	484 80.5%	
Timely lab data	25 86.2%	15 88.2%		479 80.5%	490 81.5%	
24-Month Follow-Up Donors due for follow-up	28			557		
Timely clinical data	24 85.7%			398 71.5%		
Timely lab data	25 89.3%			403 72.4%		

Follow-up forms due during the COVID-19 amnesty period from 3/13/2020-3/31/2021 are not included in timely clinical and lab data calculations