

Center Code: ORUO Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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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 eligible death conversion rates and 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 and January 2022. These reports made adjustments to transplant program and OPO performance metrics so that data beyond the declaration of a national public health emergency on March 13, 2020, were not included in the metrics.

Modifications for the July 2022 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 2022 reporting cycle. These changes will remain in force beyond the July 2022 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 1/1/2019-3/12/2020, follow-up through 3/12/2020. Transplants 6/13/2020-6/30/2021, follow-up through 12/31/2021.

3-year Patient and Graft Survival Evaluations: Transplants 7/1/2016-12/31/2018; follow-up through 3/12/2020.

Pre-Transplant Mortality Rate (formerly called Waitlist Mortality Rate): Evaluation cohorts will exclude March 13, 2020 through June 12, 2020, inclusive of March 13 and June 12:



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Days after listing (and before transplant) between 1/1/2020-3/12/2020 and 6/13/2020-12/31/2021.

Transplant Rate: Evaluation cohorts will exclude March 13, 2020 through June 12, 2020, inclusive of March 13 and June 12:

Candidates on the waitlist 1/1/2020-3/12/2020 and 6/13/2020-12/31/2021.

Overall Rate of Mortality After Listing: Evaluation cohorts will exclude March 13, 2020 through June 12, 2020, inclusive of March 13 and June 12:

Evaluation period: 1/1/2020-3/12/2020 and 6/13/2020-12/31/2021.

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

Offers received 1/1/2021-12/31/2021.

These decisions will apply to the evaluations released in the SRTR's semi-annual program-specific reports scheduled for release on July 6, 2022. 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 2023.

As with the January 2022 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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This report contains a wide range of useful information about the kidney transplant program at Oregon Health and Science University. 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 50.2 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 01/01/2016 and 06/30/2021. The time it took for 5% (the 5th percentile) of patients to receive a transplant at this program was 1.1 months. If "Not Observed" is displayed in the table, then too few candidates received transplants before 12/31/2021 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 - B14 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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A. Program Summary

Figure A1. Waiting list and transplant activity

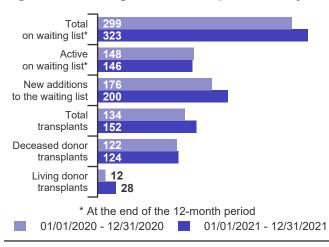


Table A1. Census of transplant recipients

Recipients	01/01/2020- 12/31/2020	01/01/2021- 12/31/2021
Transplanted at this center	134	152
Followed by this center*	1,230	1,268
transplanted at this program	n 1,206	1,242
transplanted elsewhere	24	26

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

Figure A2. Transplant rates 01/01/2020 - 03/12/2020, 06/13/2020 - 12/31/2021

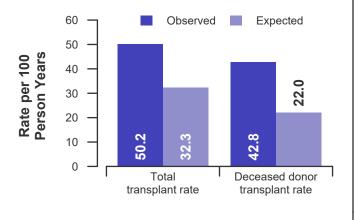


Figure A3. Pre-transplant mortality rates 01/01/2020 - 03/12/2020, 06/13/2020 - 12/31/2021

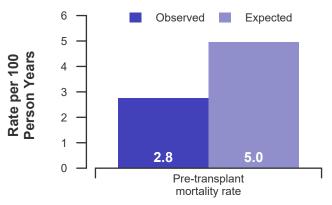


Figure A4. First-year adult graft and patient survival: 01/01/2019 - 03/12/2020, 06/13/2020 - 06/30/2021

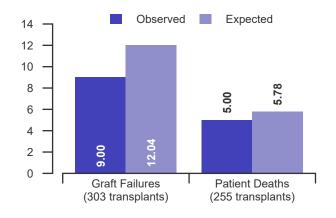
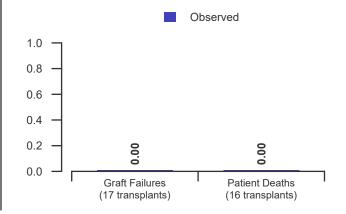


Figure A5. First-year pediatric graft & patient survival: 01/01/2019 - 03/12/2020, 06/13/2020 - 06/30/2021





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Table B1. Waiting list activity summary: 01/01/2020 - 12/31/2021

		ts for center	Activity for 01/01/2021 to 12/31/2021 as percent of registrants on waiting list on 01/01/2021			
Waiting List Registrations	01/01/2020- 12/31/2020	01/01/2021- 12/31/2021	This Center (%)	OPTN Region (%)	U.S. (%)	
On waiting list at start Additions	274	299	100.0	100.0	100.0	
New listings at this center	176	200	66.9	47.3	42.6	
Removals						
Transferred to another center	8	3	1.0	8.0	8.0	
Received living donor transplant*	12	28	9.4	7.2	6.1	
Received deceased donor transplant*	121	124	41.5	24.9	19.2	
Died	2	11	3.7	3.7	5.1	
Transplanted at another center	1	0	0.0	1.2	3.9	
Deteriorated	3	4	1.3	3.8	4.1	
Recovered	0	0	0.0	0.1	0.2	
Other reasons	4	6	2.0	3.0	4.5	
On waiting list at end of period	299	323	108.0	102.4	98.7	

^{*} These patients were removed from waiting list with removal code indicating transplant; this may not equal the number of transplants performed at this center during the specified period.



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Table B2. Demographic characteristics of waiting list candidates
Candidates registered on the waiting list between 01/01/2021 and 12/31/2021

Domographic Characteristic		iting List Regi 021 to 12/31/2		All Waiting List Registrations on 12/31/2021 (%)			
Demographic Characteristic	This Center (N=200)	OPTN Region (N=1,180)	U.S. (N=41,483)	This Center (N=323)	OPTN Region (N=2,556)	U.S. (N=96,051)	
All (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Ethnicity/Race (%)*							
White	62.5	53.0	41.9	62.8	48.9	35.7	
African-American	5.5	8.7	29.7	7.7	9.7	31.8	
Hispanic/Latino	18.0	10.8	18.6	16.4	11.5	20.7	
Asian	11.0	22.6	8.2	10.8	25.1	10.0	
Other	3.0	4.8	1.7	2.2	4.8	1.8	
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	
Age (%)							
<2 years	0.0	0.3	0.2	0.0	0.2	0.1	
2-11 years	1.5	1.0	0.9	0.3	0.9	0.6	
12-17 years	1.5	1.6	1.5	2.2	1.1	1.1	
18-34 years	13.0	10.5	10.4	12.1	8.7	9.8	
35-49 years	27.0	22.6	25.1	23.2	23.0	26.6	
50-64 years	33.0	37.9	40.8	39.9	42.3	43.4	
65-69 years	13.5	13.4	12.9	14.9	14.7	12.3	
70+ years	10.5	12.7	8.2	7.4	9.1	6.0	
Gender (%)							
Male	58.0	64.7	62.2	62.2	62.1	62.1	
Female	42.0	35.3	37.8	37.8	37.9	37.9	

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



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Table B3. Medical characteristics of waiting list candidates
Candidates registered on the waiting list between 01/01/2021 and 12/31/2021

Medical Characteristic		iting List Regis 2021 to 12/31/2			all Waiting List Registrations on 12/31/2021 (%)			
medical characteristic	This Center (N=200)	OPTN Region (N=1,180)	U.S. (N=41,483)	This Center (N=323)	OPTN Region (N=2,556)	U.S. (N=96,051)		
All (%)	100.0	100.0	100.0	100.0	100.0	100.0		
Blood Type (%)								
0	46.0	46.8	49.1	56.0	51.4	54.1		
A	39.5	33.5	32.0	30.7	30.1	26.9		
В	11.0	14.5	15.1	10.5	14.4	16.6		
AB	3.5	5.3	3.8	2.8	4.0	2.5		
Unknown	0.0	0.0	0.0	0.0	0.0	0.0		
Previous Transplant (%)								
Yes	10.5	9.7	12.7	14.6	12.8	13.7		
No	89.5	90.3	87.3	85.4	87.2	86.3		
Unknown	0.0	0.0	0.0	0.0	0.0	0.0		
Initial CPRA (%)								
0-9%	68.5	78.2	78.5	67.5	78.0	79.5		
10-79%	23.0	15.3	13.8	23.5	14.6	13.3		
80+%	8.5	6.5	7.6	9.0	7.4	7.1		
Unknown	0.0	0.0	0.1	0.0	0.0	0.1		
Primary Disease (%)*								
Glomerular Diseases	22.5	25.9	18.9	25.7	25.3	18.7		
Tubular and Interstitial Diseases	9.5	4.7	3.8	9.9	5.0	3.6		
Polycystic Kidneys	9.5	8.1	7.0	11.5	8.8	6.9		
Congenital, Familial, Metabolic	4.0	1.8	2.1	3.1	2.0	1.9		
Diabetes	32.0	31.5	34.3	26.0	33.7	36.9		
Renovascular & Vascular Disease	s 0.0	0.0	0.1	0.0	0.0	0.1		
Neoplasms	0.0	0.3	0.4	0.3	0.5	0.3		
Hypertensive Nephrosclerosis	7.5	13.0	19.9	7.7	12.2	20.7		
Other	14.5	14.6	13.1	15.2	12.1	10.5		
Missing*	0.5	0.1	0.4	0.6	0.4	0.4		

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



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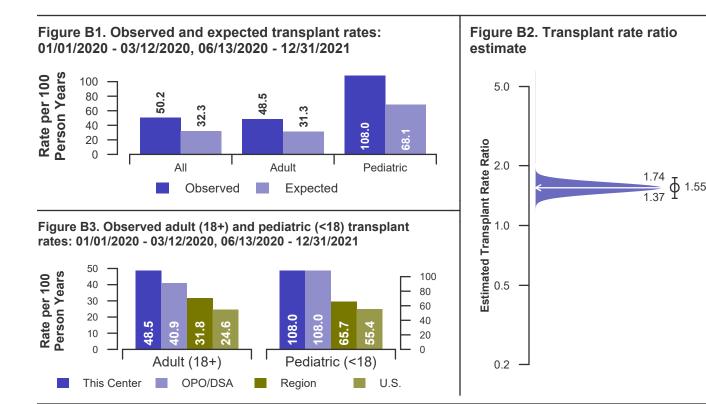
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Table B4. Transplant rates: 01/01/2020 - 03/12/2020, 06/13/2020 - 12/31/2021

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	274	726	2,469	101,071
Person Years**	529.9	1,316.4	4,451.3	170,145.6
Removals for Transplant	266	548	1,452	42,770
Adult (18+) Candidates				
Count on waiting list at start*	261	713	2,402	99,521
Person Years**	515.1	1,301.6	4,344.7	167,233.3
Removals for transpant	250	532	1,382	41,156
Pediatric (<18) Candidates				
Count on waiting list at start*	13	13	67	1,550
Person Years**	14.8	14.8	106.6	2,912.3
Removals for transplant	16	16	70	1,614

^{*} 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. Person years excludes time on the waiting list between March 13, 2020 and June 12, 2020.





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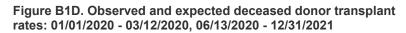
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Table B4D. Deceased donor transplant rates: 01/01/2020 - 03/12/2020, 06/13/2020 - 12/31/2021

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	274	726	2,469	101,071
Person Years**	529.9	1,316.4	4,451.3	170,145.6
Removals for Transplant	227	434	1,160	32,349
Adult (18+) Candidates				
Count on waiting list at start*	261	713	2,402	99,521
Person Years**	515.1	1,301.6	4,344.7	167,233.3
Removals for transpant	215	422	1,111	31,210
Pediatric (<18) Candidates				
Count on waiting list at start*	13	13	67	1,550
Person Years**	14.8	14.8	106.6	2,912.3
Removals for transplant	12	12	49	1,139

^{*} 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. Person years excludes time on the waiting list between March 13, 2020 and June 12, 2020.



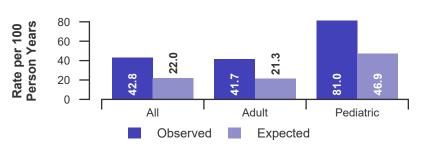


Figure B3D. Observed adult (18+) and pediatric (<18) deceased donor transplant rates: 01/01/2020 - 03/12/2020, 06/13/2020 - 12/31/2021

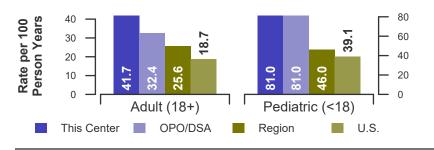
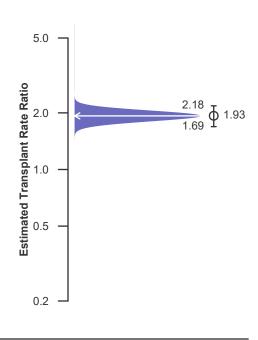


Figure B2D. Deceased donor transplant rate ratio estimate





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Transplant Program (Organ): Kidney

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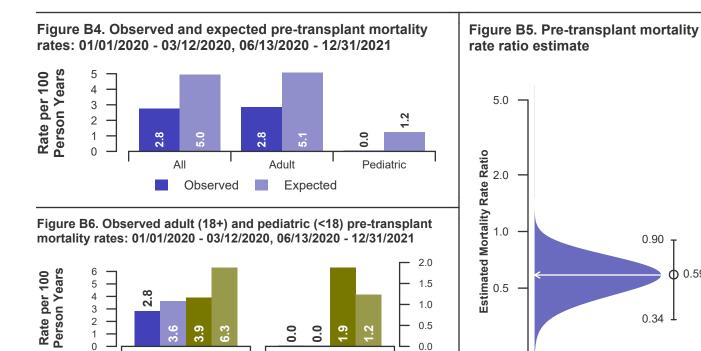
B. Waiting List Information

Table B5. Pre-transplant mortality rates: 01/01/2020 - 03/12/2020, 06/13/2020 - 12/31/2021

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Candidates				
Count on waiting list at start*	274	726	2,469	101,071
Person Years**	544.3	1,392.4	4,742.4	184,404.8
Number of deaths	15	50	182	11,442
Adult (18+) Candidates				
Count on waiting list at start*	261	713	2,402	99,521
Person Years**	529.5	1,377.6	4,635.6	181,402.1
Number of deaths	15	50	180	11,405
Pediatric (<18) Candidates				
Count on waiting list at start*	13	13	67	1,550
Person Years**	14.8	14.8	106.8	3,002.7
Number of deaths	0	0	2	37

^{*} 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. Person years excludes time on the waiting list between March 13, 2020 and June 12, 2020.



Pediatric (<18)

Region

0.2

Adult (18+)

OPO/DSA

This Center

0.59



Center Code: ORUO

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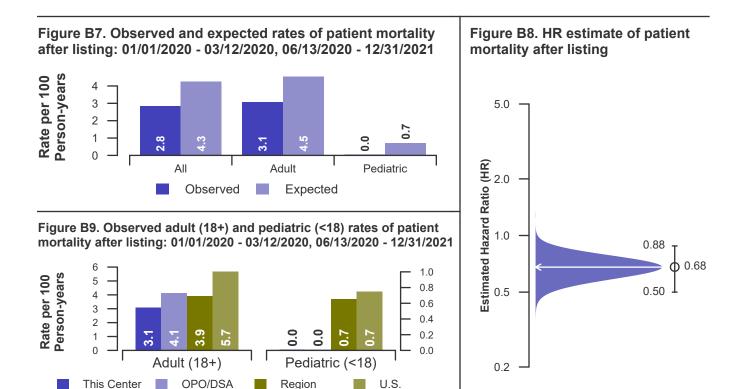
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Table B6. Rates of patient mortality after listing: 01/01/2020 - 03/12/2020, 06/13/2020 - 12/31/2021

Waiting List Registrations	This Center	OPO/DSA	Region	U.S.
All Patients				
Count at risk during the evaluation period	1,209	2,937	8,951	305,984
Person-years*	1,614.1	3,921.8	11,898.3	398,657.1
Number of Deaths	46	157	449	21,953
Adult (18+) Patients				
Count at risk during the evaluation period	1,133	2,861	8,631	296,995
Person-years*	1,500.1	3,807.8	11,436.8	386,475.5
Number of Deaths	46	157	446	21,862
Pediatric (<18) Patients				
Count at risk during the evaluation period	76	76	320	8,989
Person-years*	114.0	114.0	461.5	12,181.6
Number of Deaths	0	0	3	91

^{*} Person-years are calculated as days (converted to fractional years). The number of days from 01/01/2020, or from the date of first wait listing until death, reaching 7 years after listing or December 31, 2021. Person years excludes time on the waiting list between March 13, 2020 and June 12, 2020.

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





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Table B7. Waiting list candidate status after listing Candidates registered on waiting list between 07/01/2019 and 06/30/2020

Waiting list status (survival status)		Center (Na ns Since L 12	,	U.S. (N=39,778) Months Since Listing 6 12 18			
Alive on waiting list (%)	77.9	60.2	48.1	76.5	63.0	52.6	
Died on the waiting list without transplant (%)	0.0	0.6	1.7	1.3	2.5	3.8	
Removed without transplant (%):							
Condition worsened (status unknown)	0.0	0.0	0.0	0.6	1.4	2.4	
Condition improved (status unknown)	0.0	0.0	0.0	0.1	0.2	0.2	
Refused transplant (status unknown)	0.0	0.0	0.6	0.0	0.1	0.2	
Other	0.0	0.0	0.6	0.7	1.5	2.4	
Transplant (living donor from waiting list only) (%):							
Functioning (alive)	3.3	7.2	7.7	5.1	8.1	7.8	
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	0.0	0.1	0.2	
Status Yet Unknown**	0.0	0.0	2.2	0.1	0.3	2.5	
Transplant (deceased donor) (%):							
Functioning (alive)	17.1	29.3	24.3	13.1	17.6	15.7	
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	0.1	0.1	0.1	
Died	0.6	0.6	0.6	0.3	0.7	1.1	
Status Yet Unknown*	1.1	1.1	12.7	1.8	3.7	10.1	
Lost or Transferred (status unknown) (%)	0.0	1.1	1.7	0.4	0.7	1.0	
TOTAL (%)	100.0	100.0	100.0	100.0	100.0	100.0	
Total % known died on waiting list or after transplant	0.6	1.1	2.2	1.6	3.4	5.1	
Total % known died or removed as unstable	0.6	1.1	2.2	2.2	4.8	7.5	
Total % removed for transplant	22.1	38.1	47.5	20.4	30.6	37.5	
Total % with known functioning transplant (alive)	20.4	36.5	32.0	18.1	25.7	23.5	

^{*} 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 01/01/2016 and 12/31/2018

				_	nted at t	time per			_	
Characteristic		Th	nis Cent	ter			Un	ited Sta	ates	
	N	30 day	1 year	2 years	3 years	N	30 day	1 year	2 years	3 years
All	357	4.5	29.7	49.3	63.0	96,345	4.4	18.4	25.7	31.4
Ethnicity/Race*										
White	232	3.9	26.3	44.8	58.2	38,086	4.4	19.0	26.4	32.1
African-American	27	3.7	29.6	40.7	55.6	29,754	4.6	18.9	26.2	32.1
Hispanic/Latino	56	7.1	35.7	57.1	69.6	18,541	4.5	18.3	25.0	30.6
Asian	33	3.0	36.4	63.6	84.8	8,146	2.6	13.2	20.5	26.5
Other	9	11.1	55.6	88.9	88.9	1,818	5.8	22.9	30.8	35.9
Unknown	0					0				
Age										
<2 years	1	0.0	100.0	100.0	100.0	113	6.2	44.2	59.3	74.3
2-11 years	6	16.7	50.0	66.7	83.3	801	8.4	49.6	64.7	73.2
12-17 years	19	21.1	68.4	78.9	84.2	1,397	7.7	49.0	61.0	65.9
18-34 years	52	5.8	30.8	55.8	71.2	9,517	4.4	20.0	28.6	36.2
35-49 years	75	1.3	34.7	53.3	64.0	24,002	4.1	17.7	25.2	31.5
50-64 years	145	4.1	26.9	47.6	63.4	41,117	4.4	17.1	23.8	29.1
65-69 years	45	2.2	13.3	31.1	46.7	12,962	4.2	17.2	23.7	28.9
70+ years	14	0.0	14.3	28.6	35.7	6,436	4.1	18.8	25.5	30.2
Gender										
Male	210	5.2	31.4	50.5	64.3	59,641	4.5	17.7	24.5	30.0
Female	147	3.4	27.2	47.6	61.2	36,704	4.2	19.6	27.5	33.7

^{*} 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 01/01/2016 and 12/31/2018

Characteristic			ercent t nis Cent	ransplaı ter	nted at 1	time per		ice listii ited Sta	_	
	N	30 day	1 year	2 years	3 years	N	30 day	1 year	2 years	3 years
All	357	4.5	29.7	49.3	63.0	96,345	4.4	18.4	25.7	31.4
Blood Type										
Ο	175	3.4	18.9	33.1	46.9	48,031	4.0	16.1	22.2	27.4
A	126	5.6	35.7	64.3	76.2	30,097	5.2	21.7	30.5	37.1
В	45	2.2	44.4	60.0	80.0	14,661	2.9	15.6	22.3	27.7
AB	11	18.2	72.7	90.9	100.0	3,556	7.3	34.3	45.7	52.4
Previous Transplant										
Yes	56	0.0	25.0	42.9	51.8	12,842	2.9	18.2	26.4	32.1
No	301	5.3	30.6	50.5	65.1	83,503	4.6	18.5	25.5	31.3
Peak PRA/CPRA										
0-9%	256	5.9	30.9	50.4	64.5	76,140	4.6	17.8	24.6	30.3
10-79%	67	1.5	23.9	44.8	59.7	11,963	3.4	17.5	25.4	31.4
80+%	34	0.0	32.4	50.0	58.8	8,136	3.2	25.7	35.8	41.4
Unknown	0					4	100.0	100.0	100.0	100.0
Primary Disease*										
Glomerular Diseases	114	5.3	27.2	50.0	67.5	17,814	3.6	19.2	28.0	35.0
Tubular & Interstitial Diseases	23	4.3	39.1	52.2	69.6	3,707	5.3	21.4	28.5	34.8
Polycystic Kidneys	42	2.4	28.6	57.1	69.0	6,384	3.0	17.9	26.9	34.4
Congenital, Familial, Metabolic	27	11.1	44.4	70.4	81.5	1,841	5.9	30.4	40.5	48.7
Diabetes	77	1.3	23.4	41.6	57.1	34,913	3.1	14.0	19.8	24.5
Renovascular & Vascular Diseases	1	0.0	0.0	0.0	0.0	161	6.2	23.0	31.7	39.1
Neoplasms	1	0.0	0.0	100.0	100.0	328	9.1	27.7	35.4	40.2
Hypertensive Nephrosclerosis	25	4.0	32.0	36.0	52.0	19,842	4.6	18.9	26.4	32.5
Other	44	6.8	36.4	50.0	52.3	11,004	9.3	27.5	35.0	39.8
Missing*	3	0.0	0.0	0.0	0.0	351	2.0	10.0	16.0	20.8

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



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B. Waiting List Information

Table B10. Time to transplant for waiting list candidates*

Candidates registered on the waiting list between 01/01/2016 and 06/30/2021

Percentile	Months to Transplant**			
	Center	OPO/DSA	Region	U.S.
5th	1.1	1.1	1.1	0.8
10th	2.1	2.3	2.7	2.1
25th	6.4	6.9	8.9	8.4
50th (median time to transplant)	17.4	20.0	29.2	35.8
75th	46.3	Not Observed	Not Observed	Not Observed

^{*} If cells contain "Not Observed" fewer than that percentile of patients had received a transplant. For example, the 50th percentile of time to transplant is the time when 50% of candidates have received transplants. If waiting times are long, then the 50th percentile may not be observed during the follow-up period for this table. Also, if more than 50% of candidates are removed from the list due to death or other reasons before receiving transplants, then the 50th percentile of time to transplant will not be observed.

^{**} Censored on 12/31/2021. Calculated as the months after listing, during which the corresponding percent of all patients initially listed had received a transplant.



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Table B11. Offer Acceptance Practices: 01/01/2021 - 12/31/2021

Offers Acceptance Characteristics	This Center	OPO/DSA	Region	U.S.
Overall				
Number of Offers	3,284	8,993	26,007	2,543,357
Number of Acceptances	118	203	595	17,474
Expected Acceptances	57.7	187.4	687.0	17,457.3
Offer Acceptance Ratio*	2.01	1.08	0.87	1.00
95% Credible Interval**	[1.67, 2.39]			
Low-KDRI Donors (KDRI < 1.05)	•			
Number of Offers	651	1,835	5,030	342,108
Number of Acceptances	57	100	285	5,656
Expected Acceptances	28.4	80.7	295.3	5,638.3
Offer Acceptance Ratio*	1.94	1.23	0.97	1.00
95% Credible Interval**	[1.48, 2.47]			
Medium-KDRI Donors (1.05 < KDRI < 1.75)	•			
Number of Offers	2,431	6,668	19,108	1,665,051
Number of Acceptances	56	95	288	9,768
Expected Acceptances	27.2	100.2	358.8	9,771.6
Offer Acceptance Ratio*	1.99	0.95	0.80	1.00
95% Credible Interval**	[1.51, 2.53]			
High-KDRI Donors (KDRI > 1.75)	-			
Number of Offers	202	490	1,869	536,198
Number of Acceptances	5	8	22	2,050
Expected Acceptances	2.1	6.4	32.9	2,047.3
Offer Acceptance Ratio*	1.70	1.18	0.69	1.00
95% Credible Interval**	[0.68, 3.18]			
Hard-to-Place Kidneys (Over 100 Offers)				
Number of Offers	2,446	6,072	15,972	2,179,419
Number of Acceptances	7	8	24	2,936
Expected Acceptances	4.8	12.7	38.7	2,956.7
Offer Acceptance Ratio*	1.32	0.68	0.64	0.99
95% Credible Interval**	[0.60, 2.31]			

^{*} The offer acceptance ratio estimates the relative offer acceptance practice of Oregon Health and Science University compared to the national offer acceptance practice. A ratio above one indicates the program is more likely to accept an offer compared to national offer acceptance practices (e.g., an offer acceptance ratio of 1.25 indicates a 25% more likely to accept an offer), while a ratio below one indicates the program is less likely to accept an offer compared to national offer acceptance practices (e.g., an offer acceptance ratio of 0.75 indicates a 25% less likely to accept an offer).

^{**} As an example, the 95% Credible Interval for the overall offer acceptance ratio, [1.67, 2.39], indicates the location of ORUO's true offer acceptance ratio with 95% probability. The best estimate is 101% more likely to accept an offer compared to national acceptance behavior, but ORUO's performance could plausibly range from 67% higher acceptance up to 139% higher acceptance.



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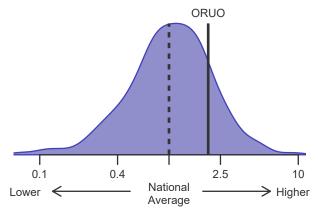
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Figure B10. Offer acceptance: Overall

Figure B11. Offer acceptance: Low-KDRI



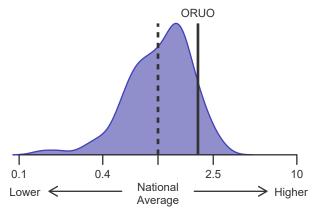
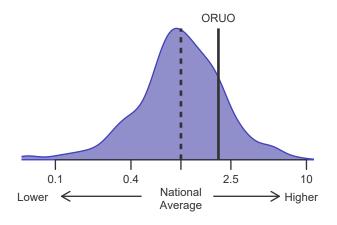


Figure B12. Offer acceptance: Medium-KDRI

Figure B13. Offer acceptance: High-KDRI



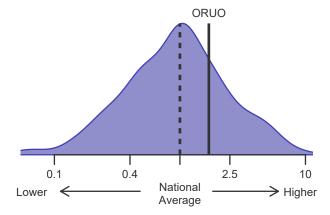
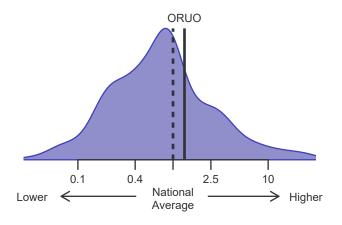


Figure B14. Offer acceptance: Offer number > 100





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C. Transplant Information

Table C1D. Deceased donor transplant recipient demographic characteristics Patients transplanted between 01/01/2021 and 12/31/2021

	Percei	Percentage in each category		
Characteristic	Center (N=124)	Region (N=622)	U.S. (N=18,697)	
Ethnicity/Race (%)*				
White	57.3	49.5	35.7	
African-American	8.9	7.7	33.7	
Hispanic/Latino	20.2	14.3	20.8	
Asian	9.7	23.6	8.1	
Other	4.0	4.8	1.7	
Unknown	0.0	0.0	0.0	
Age (%)				
<2 years	0.0	0.0	0.1	
2-11 years	2.4	1.4	1.2	
12-17	2.4	2.4	1.9	
18-34	7.3	12.2	10.8	
35-49 years	28.2	24.3	24.2	
50-64 years	34.7	36.5	39.8	
65-69 years	14.5	10.8	12.5	
70+ years	10.5	12.4	9.6	
Gender (%)				
Male	62.9	65.3	60.5	
Female	37.1	34.7	39.5	

^{*} 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 C1L. Living donor transplant recipient demographic characteristics Patients transplanted between 01/01/2021 and 12/31/2021

Characteristic	Percei	Percentage in each category		
	Center (N=28)	Region (N=180)	U.S. (N=5,970)	
Ethnicity/Race (%)*				
White	89.3	71.1	62.1	
African-American	0.0	4.4	13.1	
Hispanic/Latino	10.7	7.2	16.9	
Asian	0.0	13.3	6.4	
Other	0.0	3.9	1.4	
Unknown	0.0	0.0	0.0	
Age (%)				
<2 years	0.0	0.0	0.3	
2-11 years	0.0	2.2	1.8	
12-17	3.6	3.3	1.8	
18-34	17.9	11.7	16.2	
35-49 years	28.6	30.0	26.5	
50-64 years	32.1	35.0	34.5	
65-69 years	14.3	11.1	10.3	
70+ years	3.6	6.7	8.7	
Gender (%)				
Male	60.7	62.2	62.7	
Female	39.3	37.8	37.3	

^{*} 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%.



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C. Transplant Information

Table C2D. Deceased donor transplant recipient medical characteristics Patients transplanted between 01/01/2021 and 12/31/2021

	Percentage in each category		
Characteristic	Center (N=124)	Region (N=622)	U.S. (N=18,697)
Blood Type (%)			
0	41.1	43.2	46.8
A	41.1	35.2	34.4
В	14.5	16.1	14.3
AB	3.2	5.5	4.5
Previous Transplant (%)			
Yes	17.7	9.0	13.5
No	82.3	91.0	86.5
Peak PRA/CPRA Prior to Transplant (%)			
0-9%	46.0	67.2	59.1
10-79%	35.5	23.3	22.5
80+ %	18.5	9.5	18.5
Unknown	0.0	0.0	0.0
Body Mass Index (%)			
0-20	7.3	8.2	9.5
21-25	29.8	33.1	26.8
26-30	34.7	31.5	30.5
31-35	20.2	19.5	20.8
36-40	6.5	6.8	8.3
41+	1.6	0.5	1.7
Unknown	0.0	0.5	2.4
Primary Disease (%)*			
Glomerular Diseases	24.2	28.5	20.4
Tubular and Interstitial Disease	8.1	6.1	4.1
Polycystic Kidneys	6.5	10.5	6.8
Congenital, Familial, Metabolic	5.6	2.4	2.8
Diabetes	29.8	25.6	29.8
Renovascular & Vascular Diseases	0.8	0.3	0.1
Neoplasms	0.0	0.5	0.4
Hypertensive Nephrosclerosis	11.3	12.5	23.3
Other Kidney	12.9	13.2	11.9
Missing*	0.8	0.5	0.3

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



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Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C2L. Living donor transplant recipient medical characteristics Patients transplanted between 01/01/2021 and 12/31/2021

	Percentage in each category		
Characteristic	Center (N=28)	Region (N=180)	U.S. (N=5,970)
Blood Type (%)			
0	42.9	42.8	43.9
A	42.9	38.3	37.6
В	14.3	14.4	14.3
AB	0.0	4.4	4.3
Previous Transplant (%)			
Yes	10.7	8.3	9.9
No	89.3	91.7	90.1
Peak PRA/CPRA Prior to Transplant (%)			
0-9%	50.0	76.1	75.5
10-79%	42.9	18.9	19.8
80+ %	7.1	5.0	4.6
Unknown	0.0	0.0	0.1
Body Mass Index (%)			
0-20	3.6	11.7	11.7
21-25	25.0	28.3	28.8
26-30	28.6	30.0	30.7
31-35	35.7	25.0	20.1
36-40	7.1	5.0	6.7
41+	0.0	0.0	1.2
Unknown	0.0	0.0	0.8
Primary Disease (%)*			
Glomerular Diseases	32.1	32.2	29.1
Tubular and Interstitial Disease	7.1	3.9	4.4
Polycystic Kidneys	21.4	18.3	11.0
Congenital, Familial, Metabolic	10.7	6.1	4.1
Diabetes	14.3	15.6	24.2
Renovascular & Vascular Diseases	0.0	0.0	0.2
Neoplasms	0.0	0.0	0.6
Hypertensive Nephrosclerosis	3.6	10.0	16.0
Other Kidney	10.7	13.3	10.1
Missing*	0.0	0.6	0.3

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



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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C. Transplant Information

Table C3D. Deceased donor characteristics
Transplants performed between 01/01/2021 and 12/31/2021

	Percei	Percentage in each category		
Donor Characteristic	Center (N=124)	Region (N=622)	U.S. (N=18,697)	
Cause of Death (%)				
Deceased: Stroke	15.3	17.7	21.5	
Deceased: MVA	14.5	15.6	13.4	
Deceased: Other	70.2	66.7	65.1	
Ethnicity/Race (%)*				
White	86.3	76.7	67.1	
African-American	0.8	3.5	13.7	
Hispanic/Latino	8.9	9.2	15.3	
Asian	3.2	8.2	2.6	
Other	0.8	2.4	1.3	
Not Reported	0.0	0.0	0.0	
Age (%)				
<2 years	0.8	0.8	0.8	
2-11 years	2.4	2.6	2.3	
12-17	4.0	5.6	3.9	
18-34	25.8	36.8	31.0	
35-49 years	37.9	31.2	34.1	
50-64 years	28.2	22.3	25.5	
65-69 years	0.0	0.5	2.0	
70+ years	0.8	0.2	0.4	
Gender (%)				
Male	60.5	61.9	64.0	
Female	39.5	38.1	36.0	
Blood Type (%)				
0	41.9	44.1	48.6	
A	46.8	41.6	36.9	
В	11.3	12.5	11.3	
AB	0.0	1.8	3.3	
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%.



Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

Table C3L. Living donor characteristics
Transplants performed between 01/01/2021 and 12/31/2021

	Percei	Percentage in each category		
Donor Characteristic	Center	Region	U.S.	
	(N=28)	(N=180)	(N=5,970)	
Ethnicity/Race (%)*				
White	92.9	80.0	70.1	
African-American	0.0	1.7	8.0	
Hispanic/Latino	3.6	5.6	15.3	
Asian	0.0	7.8	4.5	
Other	3.6	5.0	2.1	
Not Reported	0.0	0.0	0.0	
Age (%)				
0-11 years	0.0	0.0	0.0	
12-17	0.0	0.0	0.0	
18-34	21.4	20.0	27.4	
35-49 years	39.3	40.6	39.3	
50-64 years	39.3	33.3	28.2	
65-69 years	0.0	4.4	4.0	
70+ years	0.0	1.7	1.0	
Gender (%)				
Male	32.1	32.8	35.4	
Female	67.9	67.2	64.6	
Blood Type (%)				
0	75.0	64.4	61.1	
A	21.4	25.6	27.7	
В	3.6	7.8	9.3	
AB	0.0	2.2	1.9	
Unknown	0.0	0.0	0.0	

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



Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

Table C4D. Deceased donor trans	splant characteristics
Transplants performed between 0	01/01/2021 and 12/31/2021

Transplants performed between 01/01/2021 and 12/31/2021	Percentage in each category		
Transplant Characteristic	Center (N=124)	Region (N=622)	U.S. (N=18,697)
Cold Ischemic Time (Hours): Local (%)			
Deceased: 0-11 hr	24.1	27.3	25.5
Deceased: 12-21 hr	49.4	40.0	50.4
Deceased: 22-31 hr	26.4	27.7	20.2
Deceased: 32-41 hr	0.0	4.0	2.5
Deceased: 42+ hr	0.0	0.4	0.4
Not Reported	0.0	0.6	0.9
Cold Ischemic Time (Hours): Shared (%)			
Deceased: 0-11 hr	13.5	15.4	10.4
Deceased: 12-21 hr	37.8	44.3	45.7
Deceased: 22-31 hr	43.2	32.9	33.5
Deceased: 32-41 hr	2.7	5.4	7.5
Deceased: 42+ hr	0.0	0.7	1.6
Not Reported	2.7	1.3	1.4
Level of Mismatch (%)			
A Locus Mismatches (%)			
0	9.7	10.1	11.6
1	38.7	41.5	38.7
2	51.6	48.4	49.5
Not Reported	0.0	0.0	0.2
B Locus Mismatches (%)	0.0	0.0	V.=
0	0.8	3.5	7.1
1	37.1	26.2	25.5
2	62.1	70.3	67.3
Not Reported	0.0	0.0	0.2
DR Locus Mismatches (%)	0.0	0.0	0.2
0	21.0	15.3	16.8
1	48.4	52.1	47.8
2	30.6	32.6	35.2
Not Reported	0.0	0.0	0.2
Total Mismatches (%)	0.0	0.0	0.2
	0.8	1.9	4.7
0			
1	1.6	0.5	1.0
2 3	9.7	6.8	4.9
	16.9	15.4	14.2
4	27.4	28.3	27.9
5	29.8	33.8	32.1
6	13.7	13.3	15.1
Not Reported	0.0	0.0	0.2
Procedure Type (%)	00.0	05.7	00.0
Single organ	96.0	95.7	93.9
Multi organ	4.0	4.3	6.1
Dialysis in First Week After Transplant (%)	40.0	00.0	00.0
Yes	16.9	22.0	30.9
No	83.1	78.0	68.8
Not Reported	0.0	0.0	0.3
Donor Location (%)			
Local Donation Service Area (DSA)	70.2	76.0	45.6
Another Donation Service Area (DSA)	29.8	24.0	54.4
Median Time in Hospital After Transplant	4.0 Days	4.0 Days	5.0 Days



Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

Table C4L. Living donor transplant characteristics
Transplants performed between 01/01/2021 and 12/31/2021

Transplant Characteristic Center (N=28) Region (N=180) U.S. (N=5,970) Relation with Donor (%) Related 42.9 33.3 39.5 Unrelated 57.1 66.7 60.3 Not Reported 0.0 0.0 0.3 Level of Mismatch (%) Total Cours Mismatches (%) 17.9 18.3 16.3 1 50.0 46.1 47.5 2 2 32.1 33.3 31.7 Not Reported 0.0 2.2 4.5 B Locus Mismatches (%) 0 2.2 4.5 B Locus Mismatches (%) 0 14.3 8.3 9.5 1 28.6 35.6 41.7 2 4.5 DR Locus Mismatches (%) 0 2.2 4.5 1 2 4.5 1 <t< th=""><th></th><th colspan="3">Percentage in each category</th></t<>		Percentage in each category		
Relation with Donor (%) Related	Transplant Characteristic	Center	Region	U.S.
Related 42.9 33.3 39.5 Unrelated 57.1 66.7 60.3 Not Reported 0.0 0.0 0.3 Level of Mismatch (%) 30.0 17.9 18.3 16.3 1 50.0 46.1 47.5 2 2 32.1 33.3 31.7 Not Reported 0.0 2.2 4.5 8 B Locus Mismatches (%) 38.3 9.5 1 28.6 35.6 41.7 2 2 57.1 53.9 34.3 3.3 Not Reported 0.0 2.2 4.5 5 DR Locus Mismatches (%) 0 2.2 4.5 5 1 2 4.5 5 1 2 4.5 5 1 2 4.5 5 1 3.0 1 5.0 4.1 7 2 4.5 5 1 3.2 4.5 5 1 3.3 3.3 3.0 1 5.0 1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 <td< th=""><th></th><th>(N=28)</th><th>(N=180)</th><th>(N=5,970)</th></td<>		(N=28)	(N=180)	(N=5,970)
Unrelated Not Reported 57.1 (66.7 60.3) Level of Mismatch (%) Company of Mismatch (%) A Locus Mismatches (%) 17.9 18.3 16.3 1 50.0 46.1 47.5 32.1 33.3 31.7 Not Reported 0.0 2.2 4.5 B Locus Mismatches (%) 0.0 2.2 4.5 B Locus Mismatches (%) 14.3 8.3 9.5 1 28.6 35.6 41.7 2.2 57.1 53.9 44.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 0.0 2.2 4.5 DR Locus Mismatches (%) 10.7 13.9 15.0 1 57.1 48.3 47.2 2.2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 0.0 1.1 3.6 4.7 1 1 2 2 3.3 2.2 2.2 2.2 2.2 4.5 10.7 10.6 12.2 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3	Relation with Donor (%)			
Not Reported	Related	42.9	33.3	39.5
Level of Mismatch (%) A Locus Mismatches (%) 17.9 18.3 16.3 0 17.9 18.3 16.3 1 50.0 46.1 47.5 2 32.1 33.3 31.7 Not Reported 0.0 2.2 4.5 B Locus Mismatches (%) 14.3 8.3 9.5 1 28.6 35.6 41.7 2 57.1 53.9 44.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 0 10.7 13.9 15.0 1 57.1 48.3 47.2 2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 7.1 5.6 4.7 1 0.0 1.1 3.4 2 2 32.1 35.6 33.3 Not Reported (%) 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.	Unrelated	57.1	66.7	60.3
A Locus Mismatches (%) 0 17.9 18.3 16.3 1 50.0 46.1 47.5 2 32.1 33.3 31.7 Not Reported 0.0 2.2 4.5 B Locus Mismatches (%) 0 14.3 8.3 9.5 1 28.6 35.6 41.7 2 57.1 53.9 44.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 0 10.7 13.9 15.0 1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 0 7.1 5.6 33.3 Not Reported 0.0 1.1 3.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 0.3	Not Reported	0.0	0.0	0.3
0 17.9 18.3 16.3 1 50.0 46.1 47.5 2 32.1 33.3 31.7 Not Reported 0.0 2.2 4.5 B Locus Mismatches (%) 3.8 9.5 1 28.6 35.6 41.7 2 57.1 53.9 44.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 0 10.7 13.9 15.0 1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 0 2.2 4.5 Total Mismatches (%) 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2.2 2 10.7 10.6 12.2 3 28.6 22.2 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8	Level of Mismatch (%)			
1 50.0 46.1 47.5 2 32.1 33.3 31.7 Not Reported 0.0 2.2 4.5 B Locus Mismatches (%) 14.3 8.3 9.5 1 28.6 35.6 41.7 2 57.1 53.9 44.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 10.7 13.9 15.0 1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 7.1 5.6 4.7 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 0.0 0.0 Not Reported First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported<	A Locus Mismatches (%)			
2	0	17.9	18.3	16.3
Not Reported Double Reported B Locus Mismatches (%) B Locus Mismatches (%) B Locus Mismatches (%) Case Ca	1	50.0	46.1	47.5
B Locus Mismatches (%) 0 14.3 8.3 9.5 1 28.6 35.6 41.7 2 57.1 53.9 44.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 0 10.7 13.9 15.0 1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 100.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 0.0	2	32.1	33.3	31.7
0 14.3 8.3 9.5 1 28.6 35.6 41.7 2 57.1 53.9 44.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 0 10.7 13.9 15.0 1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0	Not Reported	0.0	2.2	4.5
1 28.6 35.6 41.7 2 57.1 53.9 44.3 Not Reported 0.0 2.2 4.5 DR Locus Mismatches (%) 10.7 13.9 15.0 1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) 7.1 3.9 2.5 No 92.9 96.1 97.1 <t< td=""><td>B Locus Mismatches (%)</td><td></td><td></td><td></td></t<>	B Locus Mismatches (%)			
2	0	14.3	8.3	9.5
Not Reported DR Locus Mismatches (%) 0.0 2.2 4.5 DR Locus Mismatches (%) 10.7 13.9 15.0 1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 0.3	1	28.6	35.6	41.7
DR Locus Mismatches (%) 0	2	57.1	53.9	44.3
0 10.7 13.9 15.0 1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0	Not Reported	0.0	2.2	4.5
1 57.1 48.3 47.2 2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 0.3	DR Locus Mismatches (%)			
2 32.1 35.6 33.3 Not Reported 0.0 2.2 4.5 Total Mismatches (%) 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 Not Reported 0.0 0.0 0.0 O.0 0.0 0.3 Not Reported 0.0 0.0 0.0 Not Reported 0.0 0.0 0.0 O.0 0	0	10.7	13.9	15.0
Not Reported 0.0 2.2 4.5 Total Mismatches (%) 7.1 5.6 4.7 0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 0.3	1	57.1	48.3	47.2
Total Mismatches (%) 0	2	32.1	35.6	33.3
0 7.1 5.6 4.7 1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 0.3	Not Reported	0.0	2.2	4.5
1 0.0 1.1 3.4 2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0	Total Mismatches (%)			
2 10.7 10.6 12.2 3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 0.3	0	7.1	5.6	4.7
3 28.6 22.2 22.2 4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3	1	0.0	1.1	3.4
4 17.9 22.8 17.3 5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3	2	10.7	10.6	12.2
5 14.3 17.8 23.2 6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.0 0.3	3	28.6	22.2	22.2
6 21.4 17.8 12.6 Not Reported 0.0 2.2 4.5 Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3	4	17.9	22.8	17.3
Not Reported 0.0 2.2 4.5 Procedure Type (%) 3 100.0	5	14.3	17.8	23.2
Procedure Type (%) Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3	6	21.4	17.8	12.6
Single organ 100.0 100.0 100.0 Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3	Not Reported	0.0	2.2	4.5
Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3	Procedure Type (%)			
Multi organ 0.0 0.0 0.0 Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3	Single organ	100.0	100.0	100.0
Dialysis in First Week After Transplant (%) Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3		0.0	0.0	0.0
Yes 7.1 3.9 2.5 No 92.9 96.1 97.1 Not Reported 0.0 0.0 0.3	Dialysis in First Week After Transplant (%)			
Not Reported 0.0 0.0 0.3		7.1	3.9	2.5
	No	92.9	96.1	97.1
Median Time in Hospital After Transplant 4.0 Days 4.0 Days 4.0 Days	Not Reported	0.0	0.0	0.3
	Median Time in Hospital After Transplant	4.0 Days	4.0 Days	4.0 Days



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C5. Adult (18+) 1-month survival with a functioning graft

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

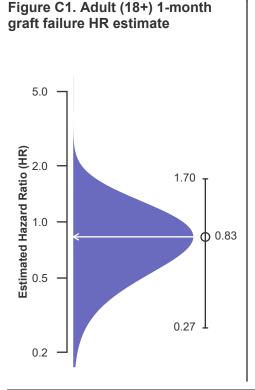
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	303	49,802
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	99.01%	98.52%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	98.67%	
Number of observed graft failures (including deaths) during the first month after transplant	3	728
Number of expected graft failures (including deaths) during the first month after transplant	4.02	
Estimated hazard ratio*	0.83	
95% credible interval for the hazard ratio**	[0.27, 1.70]	

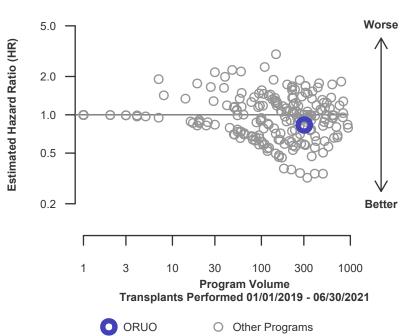
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.27, 1.70], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 17% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 73% reduced risk up to 70% increased risk.









Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Deaths and retransplants are considered graft failures

Table C5D. Adult (18+) 1-month survival with a functioning deceased donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021

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

	ORUO	U.S.
Number of transplants evaluated	261	36,011
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	98.85%	98.29%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	98.58%	
Number of observed graft failures (including deaths) during the first month after transplant	3	609
Number of expected graft failures (including deaths) during the first month after transplant	3.67	
Estimated hazard ratio*	0.88	
95% credible interval for the hazard ratio**	[0.29, 1.81]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.29, 1.81], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 12% lower risk

HR program comparison

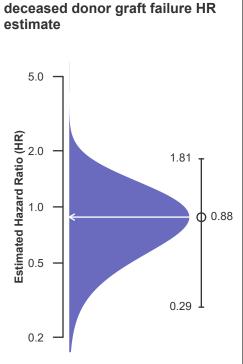
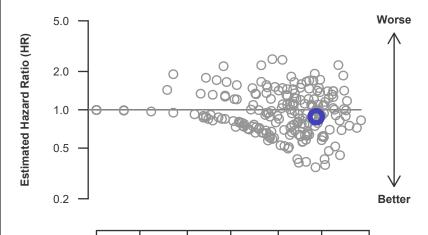


Figure C1D. Adult (18+) 1-month



3

ORUO

10

30

100

O Other Programs

Program Volume Transplants Performed 01/01/2019 - 06/30/2021

300

1000

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

of graft failure compared to an average program, but ORUO's performance could plausibly range from 71% reduced risk up to 81% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C5L. Adult (18+) 1-month survival with a functioning living donor graft

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

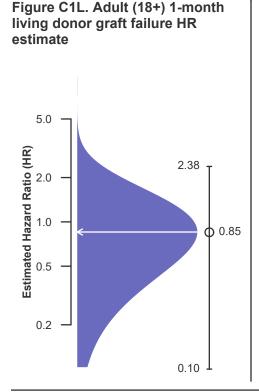
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	42	13,791
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	100.00%	99.13%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	99.19%	
Number of observed graft failures (including deaths) during the first month after transplant	0	119
Number of expected graft failures (including deaths) during the first month after transplant	0.34	
Estimated hazard ratio*	0.85	
95% credible interval for the hazard ratio**	[0.10, 2.38]	

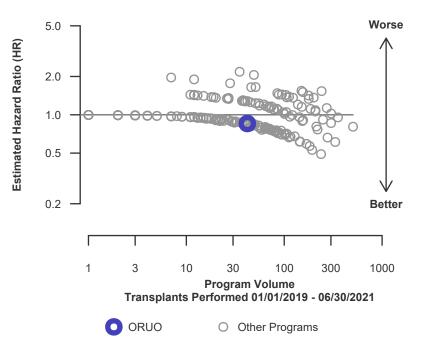
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.10, 2.38], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 15% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 90% reduced risk up to 138% increased risk.









Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C6. Adult (18+) 90-Day survival with a functioning graft

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

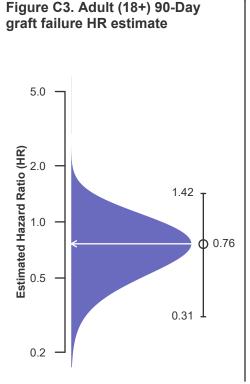
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	303	49,802
Estimated probability of surviving with a functioning graft at 90 days (unadjusted for patient and donor characteristics)	98.28%	97.32%
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	97.54%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	5	1,277
Number of expected graft failures (including deaths) during the first 90 days after transplant	7.18	
Estimated hazard ratio*	0.76	
95% credible interval for the hazard ratio**	[0.31, 1.42]	

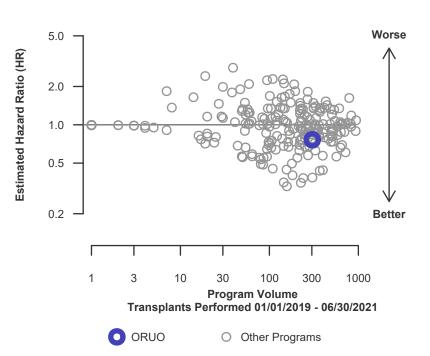
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.31, 1.42], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 24% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 69% reduced risk up to 42% increased risk.









Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C6D. Adult (18+) 90-Day survival with a functioning deceased donor graft

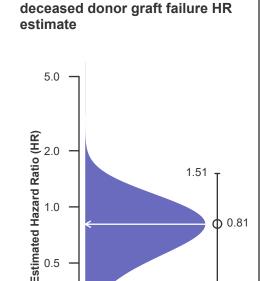
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

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

	ORUO	U.S.
Number of transplants evaluated	261	36,011
Estimated probability of surviving with a functioning graft at 90 days (unadjusted for patient and donor characteristics)	97.99%	96.79%
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	97.33%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	5	1,106
Number of expected graft failures (including deaths) during the first 90 days after transplant	6.67	
Estimated hazard ratio*	0.81	
95% credible interval for the hazard ratio**	[0.32, 1.51]	

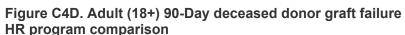
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

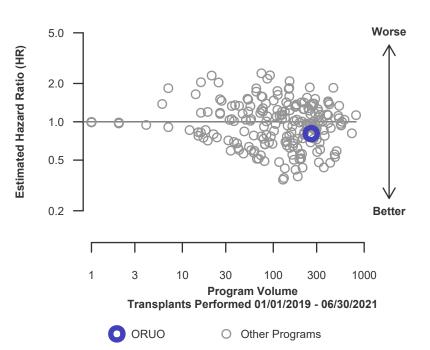
** The 95% credible interval, [0.32, 1.51], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 19% lower risk



0.2

Figure C3D. Adult (18+) 90-Day





0.32

of graft failure compared to an average program, but ORUO's performance could plausibly range from 68% reduced risk up to 51% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C6L. Adult (18+) 90-Day survival with a functioning living donor graft

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

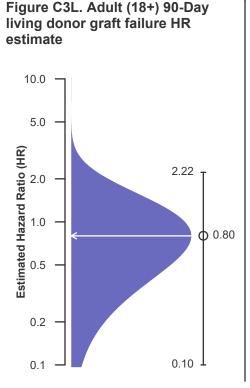
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

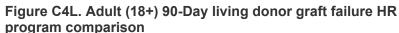
	ORUO	U.S.
Number of transplants evaluated	42	13,791
Estimated probability of surviving with a functioning graft at 90 days (unadjusted for patient and donor characteristics)	100.00%	98.72%
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	98.80%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	0	171
Number of expected graft failures (including deaths) during the first 90 days after transplant	0.51	
Estimated hazard ratio*	0.80	
95% credible interval for the hazard ratio**	[0.10, 2.22]	

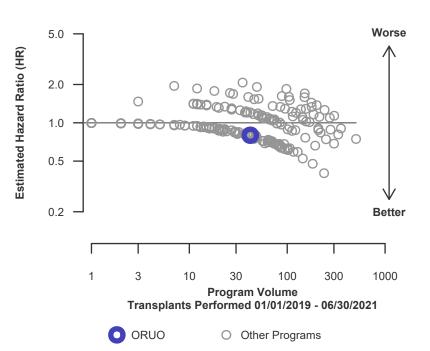
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.10, 2.22], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 20% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 90% reduced risk up to 122% increased risk.









Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C7. Adult (18+) 1-year survival with a functioning graft

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

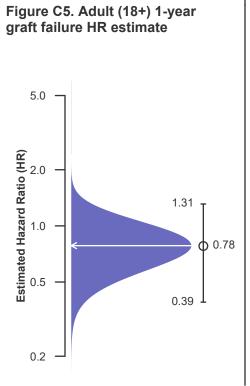
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	303	49,802
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	95.88%	94.43%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	94.78%	
Number of observed graft failures (including deaths) during the first year after transplant	9	2,127
Number of expected graft failures (including deaths) during the first year after transplant	12.04	
Estimated hazard ratio*	0.78	
95% credible interval for the hazard ratio**	[0.39, 1.31]	

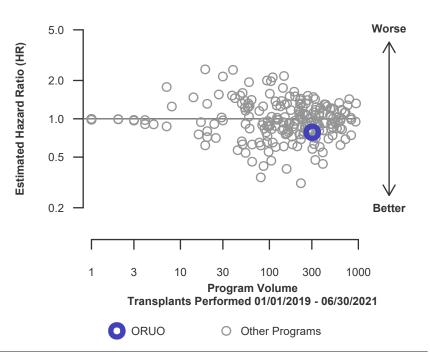
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.39, 1.31], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 22% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 61% reduced risk up to 31% increased risk.









Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C7D. Adult (18+) 1-year survival with a functioning deceased donor graft

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

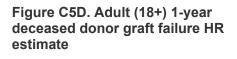
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	261	36,011
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	95.17%	93.23%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	94.31%	
Number of observed graft failures (including deaths) during the first year after transplant	9	1,862
Number of expected graft failures (including deaths) during the first year after transplant	11.25	
Estimated hazard ratio*	0.83	
95% credible interval for the hazard ratio**	[0.41, 1.39]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.41, 1.39], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 17% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 59% reduced risk up to 39% increased risk.



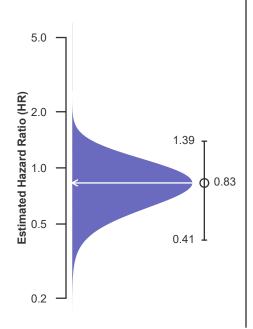
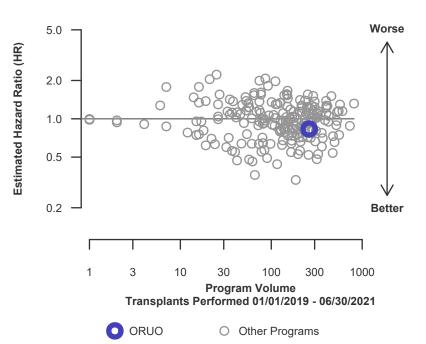


Figure C6D. Adult (18+) 1-year deceased donor graft failure HR program comparison





Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C7L. Adult (18+) 1-year survival with a functioning living donor graft

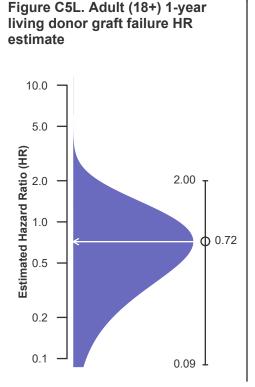
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

	ORUO	U.S.
Number of transplants evaluated	42	13,791
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	100.00%	97.57%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	97.73%	
Number of observed graft failures (including deaths) during the first year after transplant	0	265
Number of expected graft failures (including deaths) during the first year after transplant	0.79	
Estimated hazard ratio*	0.72	
95% credible interval for the hazard ratio**	[0.09, 2.00]	

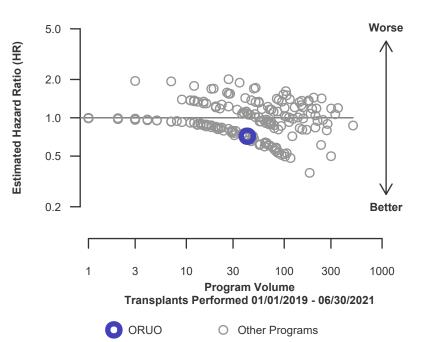
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.09, 2.00], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 28% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 91% reduced risk up to 100% increased risk.









Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C8. Adult (18+) 1-year Conditional survival with a functioning graft

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

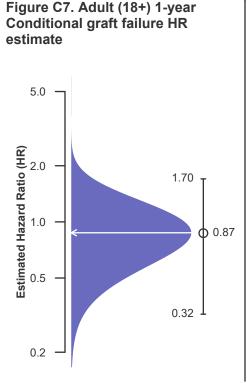
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

Tollow up office of the first for toolpicities transplanted prior to of 10/2020	ORUO	U.S.
Number of transplants evaluated	258	42,936
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (unadjusted for patient and donor characteristics)		97.03%
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)	97.18%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	4	850
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	4.86	
Estimated hazard ratio*	0.87	
95% credible interval for the hazard ratio**	[0.32, 1.70]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.32, 1.70], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 13% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 68% reduced risk up to 70% increased risk.



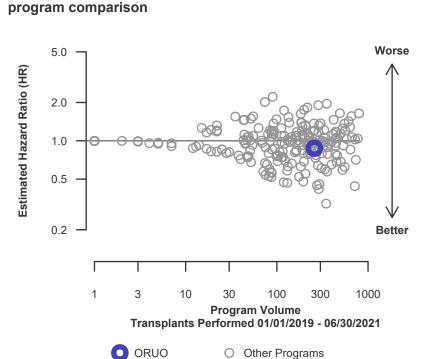


Figure C8. Adult (18+) 1-year Conditional graft failure HR



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C8D. Adult (18+) 1-year Conditional survival with a functioning deceased donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

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

	ORUO	U.S.
Number of transplants evaluated	217	30,873
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (unadjusted for patient and donor characteristics)		96.32%
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)	96.90%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	4	756
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	4.58	
Estimated hazard ratio*	0.91	
95% credible interval for the hazard ratio**	[0.33, 1.77]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.33, 1.77], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 9% lower risk of graft failure compared to an average program, but ORUO's performance could plausibly range from 67% reduced risk up to 77% increased risk.



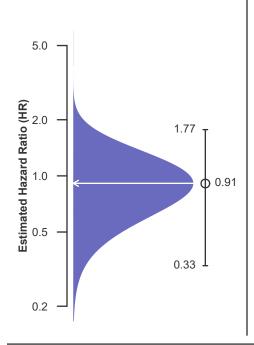
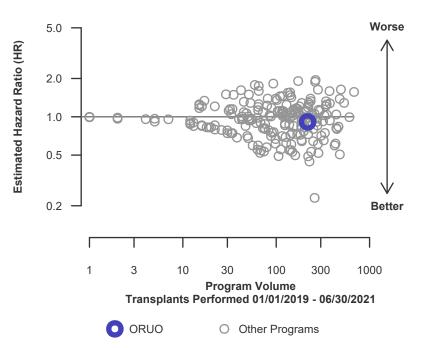


Figure C8D. Adult (18+) 1-year Conditional deceased donor graft failure HR program comparison





Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

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C. Transplant Information

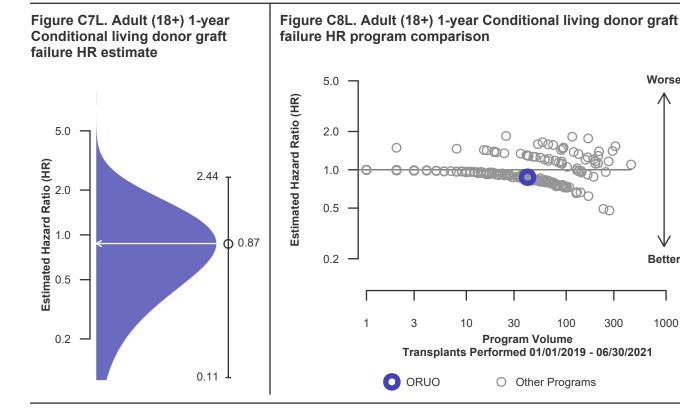
Table C8L. Adult (18+) 1-year Conditional survival with a functioning living donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

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

	ORUO	U.S.
Number of transplants evaluated	41	12,063
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (unadjusted for patient and donor characteristics)	100.00%	98.84%
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)	98.91%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	0	94
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	0.29	
Estimated hazard ratio*	0.87	
95% credible interval for the hazard ratio**	[0.11, 2.44]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure 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 ORUO's true hazard ratio with 95% probability. The best estimate is 13% lower risk of graft failure compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 144% increased risk.



Worse

Better

1000

300



Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

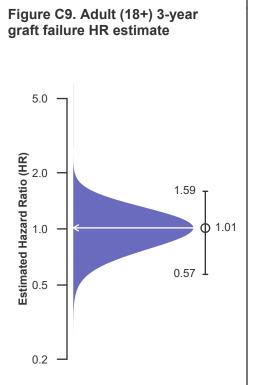
Table C9. Adult (18+) 3-year survival with a functioning graft Single organ transplants performed between 07/01/2016 and 12/31/2018 Deaths and retransplants are considered graft failures Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	210	46,452
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	93.10%	90.32%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	92.12%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	13	3,627
Number of expected graft failures (including deaths) during the first 3 years after transplant	12.82	
Estimated hazard ratio*	1.01	
95% credible interval for the hazard ratio**	[0.57, 1.59]	

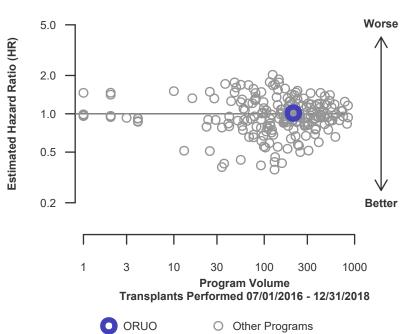
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.57, 1.59], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 1% higher risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 43% reduced risk up to 59% increased risk.









Center Code: ORUO

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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 07/01/2016 and 12/31/2018 Deaths and retransplants are considered graft failures

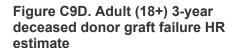
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	162	31,965
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	92.95%	88.40%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	91.31%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	11	3,036
Number of expected graft failures (including deaths) during the first 3 years after transplant	10.92	
Estimated hazard ratio*	1.01	
95% credible interval for the hazard ratio**	[0.54, 1.62]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.54, 1.62], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 1% higher risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 46% reduced risk up to 62% increased risk.



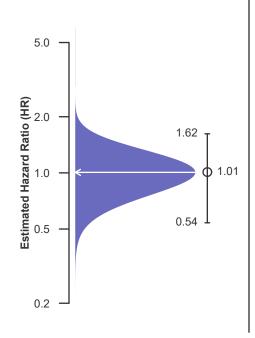
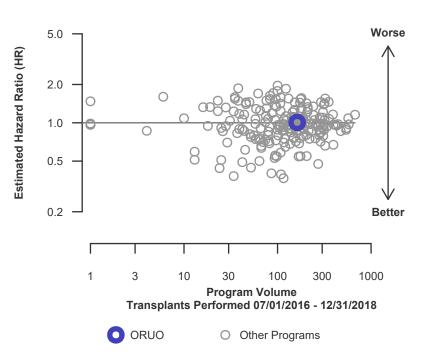


Figure C10D. Adult (18+) 3-year deceased donor graft failure HR program comparison





Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

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

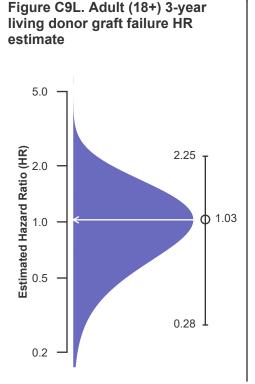
Single organ transplants performed between 07/01/2016 and 12/31/2018 Deaths and retransplants are considered graft failures

	ORUO	U.S.
Number of transplants evaluated	48	14,487
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	93.66%	94.60%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	94.84%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	2	591
Number of expected graft failures (including deaths) during the first 3 years after transplant	1.90	
Estimated hazard ratio*	1.03	
95% credible interval for the hazard ratio**	[0.28, 2.25]	

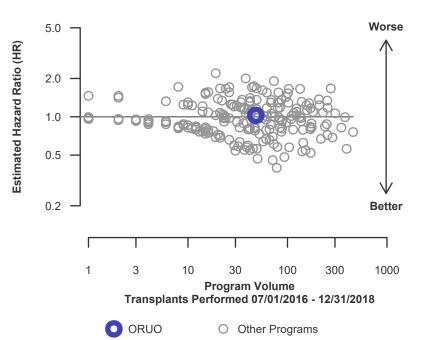
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.28, 2.25], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 3% higher risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 72% reduced risk up to 125% increased risk.









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C. Transplant Information

Table C10. Pediatric (<18) 1-month survival with a functioning graft

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

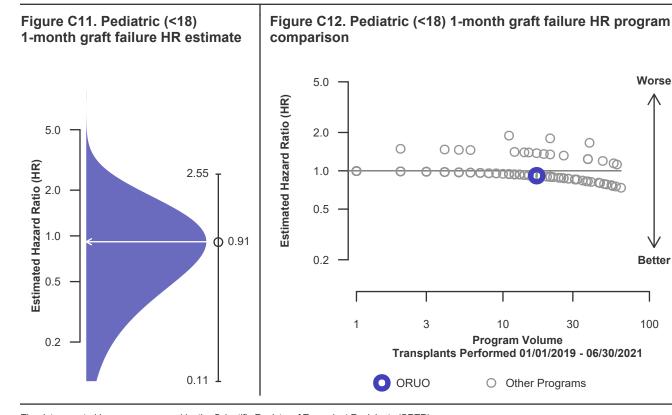
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	17	1,996
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	100.00%	98.89%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	98.91%	
Number of observed graft failures (including deaths) during the first month after transplant	0	22
Number of expected graft failures (including deaths) during the first month after transplant	0.19	
Estimated hazard ratio*	0.91	
95% credible interval for the hazard ratio**	[0.11, 2.55]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure 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 ORUO's true hazard ratio with 95% probability. The best estimate is 9% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 155% increased risk.



Worse

Better

100



Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

Table C10D. Pediatric (<18) 1-month survival with a functioning deceased donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

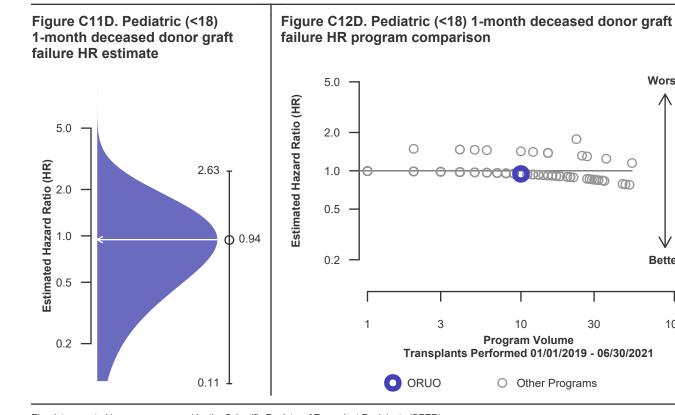
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	10	1,387
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	100.00%	98.84%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	98.84%	
Number of observed graft failures (including deaths) during the first month after transplant	0	16
Number of expected graft failures (including deaths) during the first month after transplant	0.12	
Estimated hazard ratio*	0.94	
95% credible interval for the hazard ratio**	[0.11, 2.63]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.11, 2.63], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 6% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 163% increased risk.



Worse

Better

100

30



Center Code: ORUO

Transplant Program (Organ): Kidney

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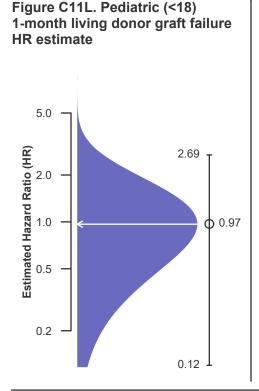
Table C10L. Pediatric (<18) 1-month survival with a functioning living donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

	ORUO	U.S.
Number of transplants evaluated	7	609
Estimated probability of surviving with a functioning graft at 1 month (unadjusted for patient and donor characteristics)	100.00%	99.01%
Expected probability of surviving with a functioning graft at 1 month (adjusted for patient and donor characteristics)	99.01%	
Number of observed graft failures (including deaths) during the first month after transplant	0	6
Number of expected graft failures (including deaths) during the first month after transplant	0.07	
Estimated hazard ratio*	0.97	
95% credible interval for the hazard ratio**	[0.12, 2.69]	

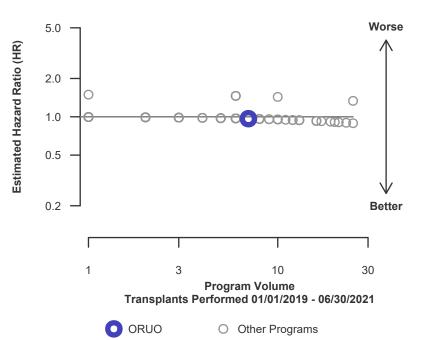
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.12, 2.69], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 3% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 169% increased risk.









Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

Table C11. Pediatric (<18) 90-Day survival with a functioning graft

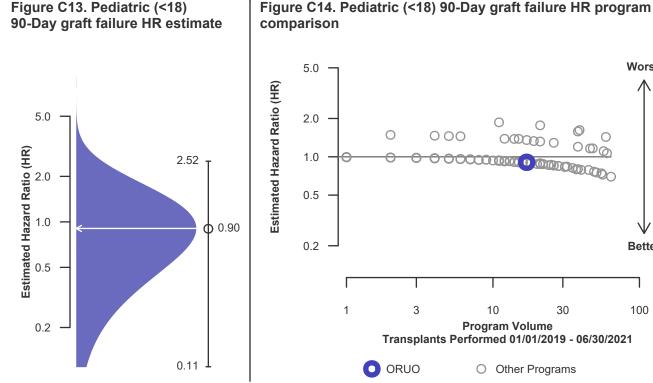
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

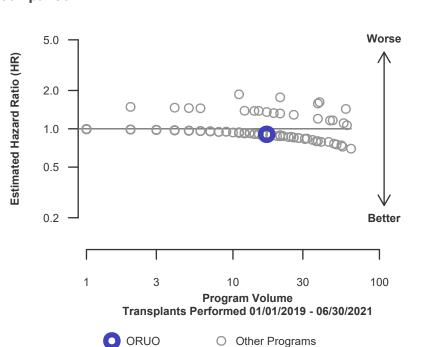
	ORUO	U.S.
Number of transplants evaluated	17	1,996
Estimated probability of surviving with a functioning graft at 90 days (unadjusted for patient and donor characteristics)	100.00%	98.68%
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	98.73%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	0	26
Number of expected graft failures (including deaths) during the first 90 days after transplant	0.21	
Estimated hazard ratio*	0.90	
95% credible interval for the hazard ratio**	[0.11, 2.52]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.11, 2.52], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 10% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 152% increased risk.







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Transplant Program (Organ): Kidney

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C. Transplant Information

Table C11D. Pediatric (<18) 90-Day survival with a functioning deceased donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

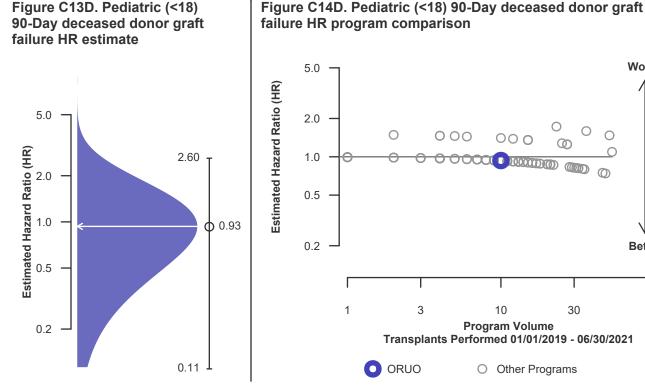
Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

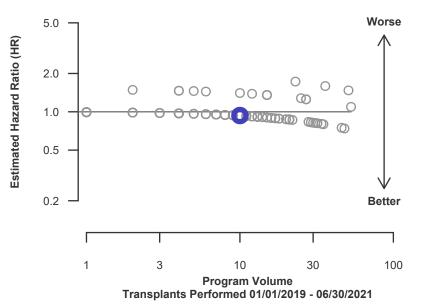
	ORUO	U.S.
Number of transplants evaluated	10	1,387
Estimated probability of surviving with a functioning graft at 90 days (unadjusted for patient and donor characteristics)	100.00%	98.54%
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	98.54%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	0	20
Number of expected graft failures (including deaths) during the first 90 days 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 Oregon Health and Science University'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 ORUO'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 ORUO's true hazard ratio with 95% probability. The best estimate is 7% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 160% increased risk.





O Other Programs



Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

Table C11L. Pediatric (<18) 90-Day survival with a functioning living donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021

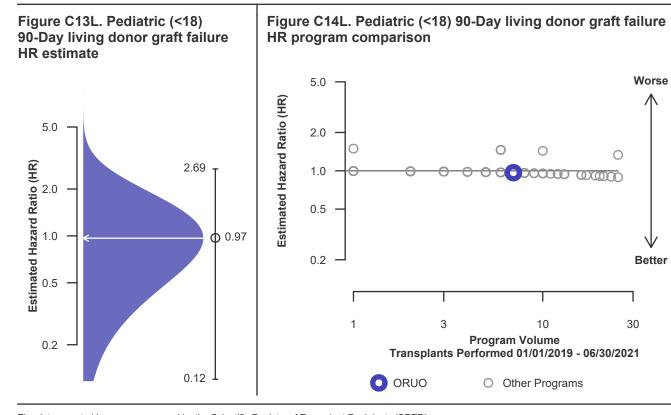
Deaths and retransplants are considered graft failures Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	7	609
Estimated probability of surviving with a functioning graft at 90 days (unadjusted for patient and donor characteristics)	100.00%	99.01%
Expected probability of surviving with a functioning graft at 90 days (adjusted for patient and donor characteristics)	99.01%	
Number of observed graft failures (including deaths) during the first 90 days after transplant	0	6
Number of expected graft failures (including deaths) during the first 90 days after transplant	0.07	
Estimated hazard ratio*	0.97	
95% credible interval for the hazard ratio**	[0.12, 2.69]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.12, 2.69], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 3% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 169% increased risk.





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Transplant Program (Organ): Kidney

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C. Transplant Information

Table C12. Pediatric (<18) 1-year survival with a functioning graft

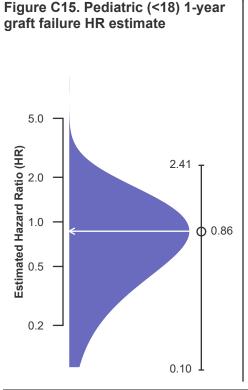
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

	ORUO	U.S.
Number of transplants evaluated	17	1,996
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	100.00%	97.31%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	97.47%	
Number of observed graft failures (including deaths) during the first year after transplant	0	39
Number of expected graft failures (including deaths) during the first year after transplant	0.31	
Estimated hazard ratio*	0.86	
95% credible interval for the hazard ratio**	[0.10, 2.41]	

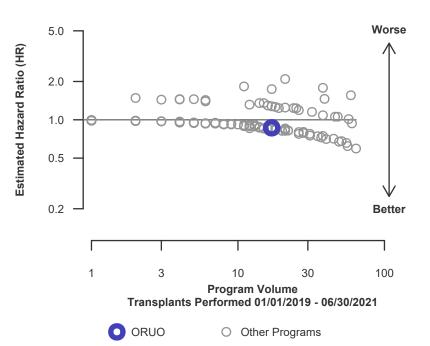
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO'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 ORUO's true hazard ratio with 95% probability. The best estimate is 14% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 90% reduced risk up to 141% increased risk.









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Transplant Program (Organ): Kidney

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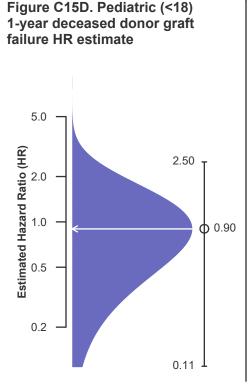
Table C12D. Pediatric (<18) 1-year survival with a functioning deceased donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

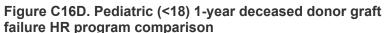
	ORUO	U.S.
Number of transplants evaluated	10	1,387
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	100.00%	96.82%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	96.82%	
Number of observed graft failures (including deaths) during the first year after transplant	0	31
Number of expected graft failures (including deaths) during the first year after transplant	0.23	
Estimated hazard ratio*	0.90	
95% credible interval for the hazard ratio**	[0.11, 2.50]	

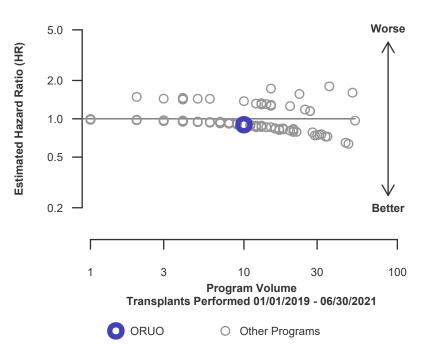
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.11, 2.50], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 10% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 150% increased risk.









Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

Table C12L. Pediatric (<18) 1-year survival with a functioning living donor graft

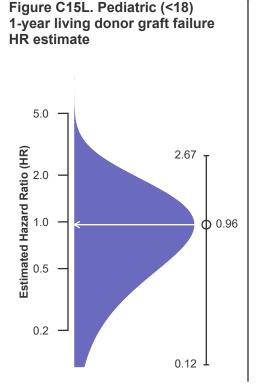
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

	ORUO	U.S.
Number of transplants evaluated	7	609
Estimated probability of surviving with a functioning graft at 1 year (unadjusted for patient and donor characteristics)	100.00%	98.39%
Expected probability of surviving with a functioning graft at 1 year (adjusted for patient and donor characteristics)	98.40%	
Number of observed graft failures (including deaths) during the first year after transplant	0	8
Number of expected graft failures (including deaths) during the first year after transplant	0.09	
Estimated hazard ratio*	0.96	
95% credible interval for the hazard ratio**	[0.12, 2.67]	

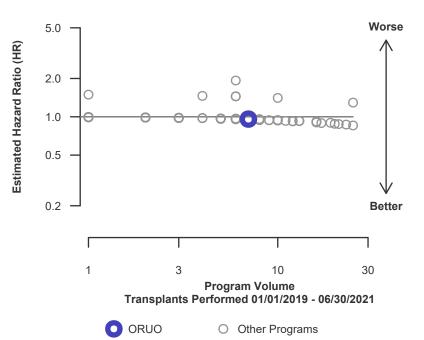
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure 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 ORUO's true hazard ratio with 95% probability. The best estimate is 4% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 167% increased risk.









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C. Transplant Information

Table C13. Pediatric (<18) 1-year Conditional survival with a functioning graft

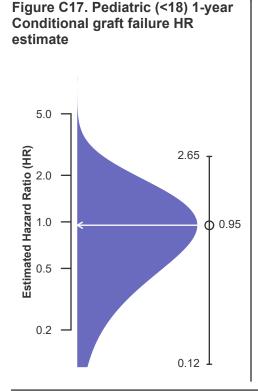
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

	ORUO	U.S.
Number of transplants evaluated	13	1,794
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (unadjusted for patient and donor characteristics)	100.00%	98.61%
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)	98.72%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	0	13
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	0.10	
Estimated hazard ratio*	0.95	
95% credible interval for the hazard ratio**	[0.12, 2.65]	

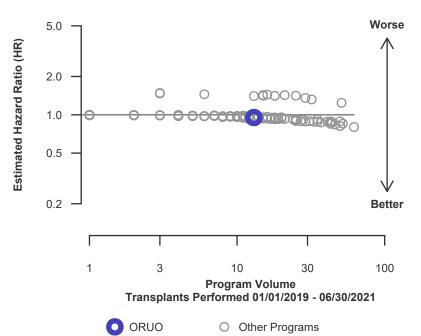
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO's graft failure 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 ORUO's true hazard ratio with 95% probability. The best estimate is 5% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 165% increased risk.









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C. Transplant Information

Table C13D. Pediatric (<18) 1-year Conditional survival with a functioning deceased donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

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

	ORUO	U.S.
Number of transplants evaluated	7	1,246
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (unadjusted for patient and donor characteristics)		98.26%
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)	98.26%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	0	11
Number of expected graft failures (including deaths) from day 91 through day 365 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 Oregon Health and Science University'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 ORUO's graft failure 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 ORUO's true hazard ratio with 95% probability. The best estimate is 4% lower risk

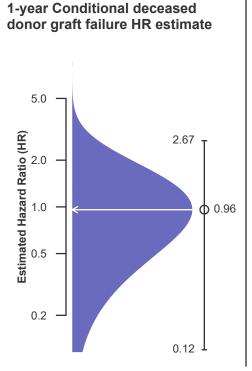
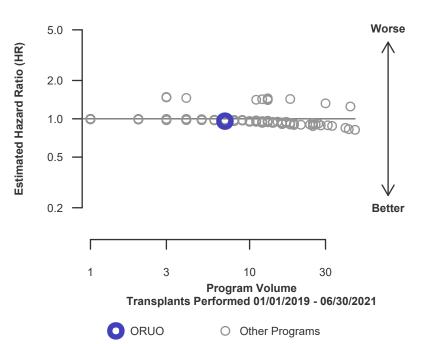


Figure C17D. Pediatric (<18)





of graft failure compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 167% increased risk.



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C. Transplant Information

Table C13L. Pediatric (<18) 1-year Conditional survival with a functioning living donor graft Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Deaths and retransplants are considered graft failures

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

	ORUO	U.S.
Number of transplants evaluated	6	548
Estimated probability of surviving with a functioning graft at 1 year, among patients with a functioning graft at day 90 (unadjusted for patient and donor characteristics)		99.38%
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)	99.38%	
Number of observed graft failures (including deaths) from day 91 through day 365 after transplant	0	2
Number of expected graft failures (including deaths) from day 91 through day 365 after transplant	0.02	
Estimated hazard ratio*	0.99	
95% credible interval for the hazard ratio**	[0.12, 2.76]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.12, 2.76], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 1% lower risk

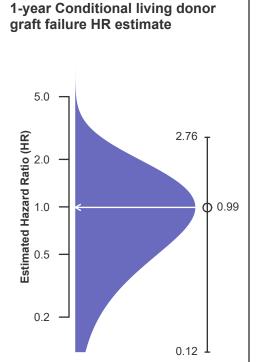
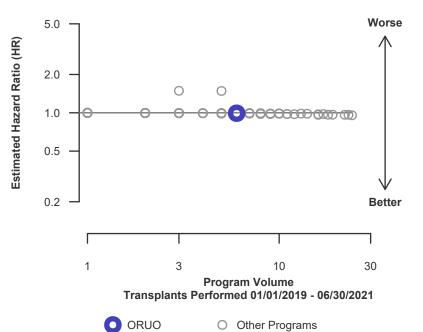


Figure C17L. Pediatric (<18)





of graft failure compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 176% increased risk.



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C. Transplant Information

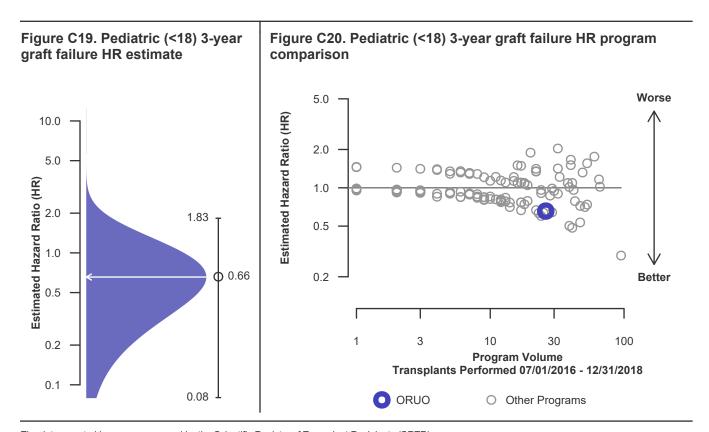
Table C14. Pediatric (<18) 3-year survival with a functioning graft Single organ transplants performed between 07/01/2016 and 12/31/2018 Deaths and retransplants are considered graft failures Follow-up ends on 3/12/2020 for recipients transplanted prior to 3/13/2020

	ORUO	U.S.
Number of transplants evaluated	26	2,099
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	100.00%	94.60%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	95.12%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	0	91
Number of expected graft failures (including deaths) during the first 3 years after transplant	1.05	
Estimated hazard ratio*	0.66	
95% credible interval for the hazard ratio**	[0.08, 1.83]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

** The 95% credible interval, [0.08, 1.83], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 34% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 92% reduced risk up to 83% increased risk.





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C. Transplant Information

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

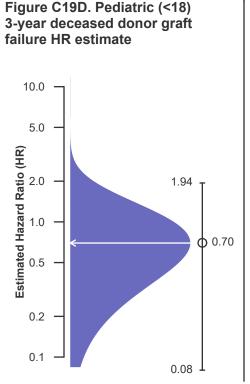
Single organ transplants performed between 07/01/2016 and 12/31/2018 Deaths and retransplants are considered graft failures

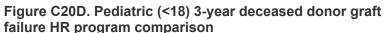
	ORUO	U.S.
Number of transplants evaluated	17	1,417
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	100.00%	93.30%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	93.91%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	0	77
Number of expected graft failures (including deaths) during the first 3 years after transplant	0.87	
Estimated hazard ratio*	0.70	
95% credible interval for the hazard ratio**	[0.08, 1.94]	

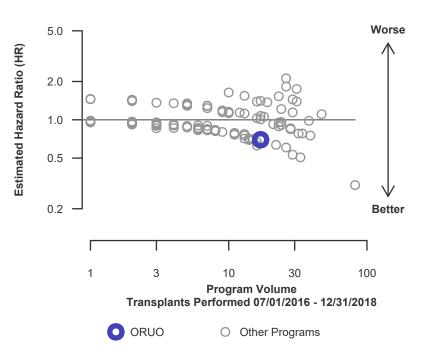
^{*} The hazard ratio provides an estimate of how Oregon Health and Science University's results compare with what was expected based on modeling the transplant outcomes from all U.S. programs. A ratio above 1 indicates higher than expected graft failure rates (e.g., a hazard ratio of 1.5 would indicate 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 ORUO'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 ORUO's true hazard ratio with 95% probability. The best estimate is 30% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 92% reduced risk up to 94% increased risk.









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C. Transplant Information

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

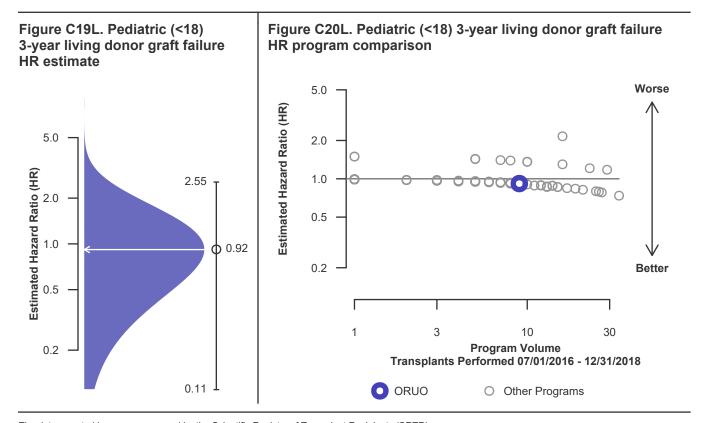
Single organ transplants performed between 07/01/2016 and 12/31/2018 Deaths and retransplants are considered graft failures

	ORUO	U.S.
Number of transplants evaluated	9	682
Estimated probability of surviving with a functioning graft at 3 years (unadjusted for patient and donor characteristics)	100.00%	97.39%
Expected probability of surviving with a functioning graft at 3 years (adjusted for patient and donor characteristics)	97.39%	
Number of observed graft failures (including deaths) during the first 3 years after transplant	0	14
Number of expected graft failures (including deaths) during the first 3 years after transplant	0.18	
Estimated hazard ratio*	0.92	
95% credible interval for the hazard ratio**	[0.11, 2.55]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's graft failure 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 ORUO's true hazard ratio with 95% probability. The best estimate is 8% lower risk

of graft failure compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 155% increased risk.





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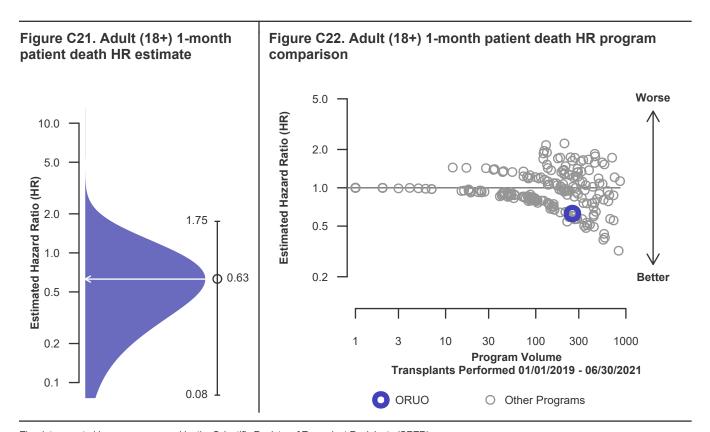
Table C15. Adult (18+) 1-month patient survival

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	255	44,411
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	99.47%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	99.53%	
Number of observed deaths during the first month after transplant	0	230
Number of expected deaths during the first month after transplant	1.19	
Estimated hazard ratio*	0.63	
95% credible interval for the hazard ratio**	[0.08, 1.75]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.08, 1.75], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 37% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 92% reduced risk up to 75% increased risk.





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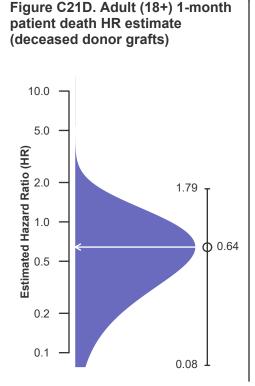
C. Transplant Information

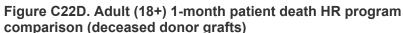
Table C15D. Adult (18+) 1-month patient survival (deceased donor graft recipients)

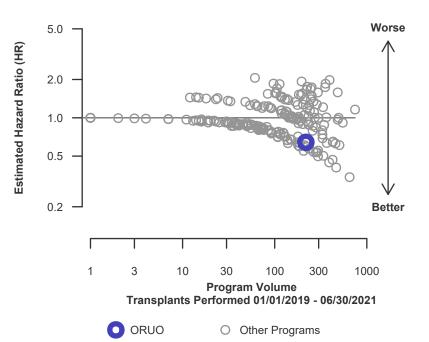
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	218	31,876
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	99.36%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	99.49%	
Number of observed deaths during the first month after transplant	0	202
Number of expected deaths during the first month after transplant	1.12	
Estimated hazard ratio*	0.64	
95% credible interval for the hazard ratio**	[0.08, 1.79]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.







^{**} The 95% credible interval, [0.08, 1.79], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 36% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 92% reduced risk up to 79% 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 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

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

	ORUO	U.S.
Number of transplants evaluated	37	12,535
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	99.77%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	99.81%	
Number of observed deaths during the first month after transplant	0	28
Number of expected deaths during the first month after transplant	0.07	
Estimated hazard ratio*	0.97	
95% credible interval for the hazard ratio**	[0.12, 2.69]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

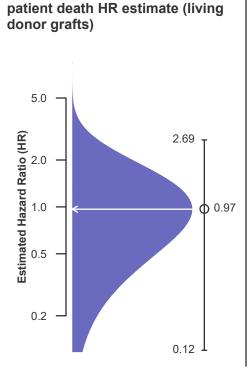
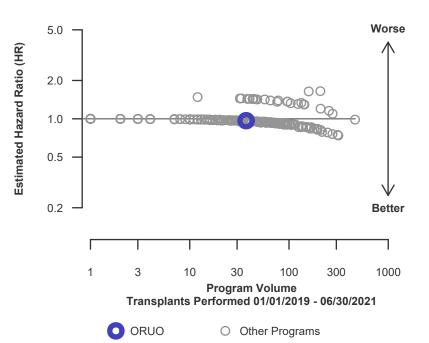


Figure C21L. Adult (18+) 1-month





^{**} The 95% credible interval, [0.12, 2.69], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 3% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 169% increased risk.



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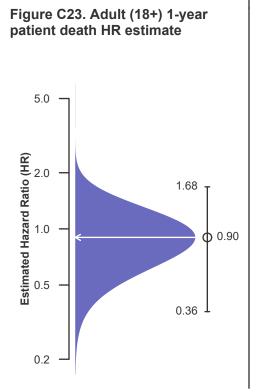
C. Transplant Information

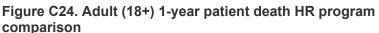
Table C16. Adult (18+) 1-year patient survival

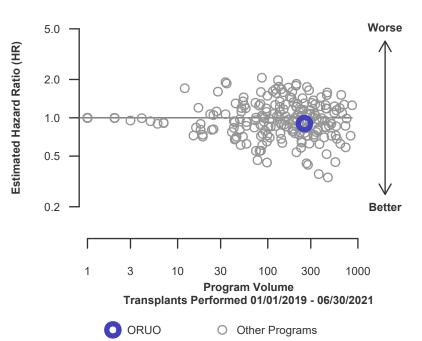
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	255	44,411
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	96.74%	96.42%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	96.77%	
Number of observed deaths during the first year after transplant	5	1,118
Number of expected deaths during the first year after transplant	5.78	
Estimated hazard ratio*	0.90	
95% credible interval for the hazard ratio**	[0.36, 1.68]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.







^{**} The 95% credible interval, [0.36, 1.68], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 10% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 64% reduced risk up to 68% 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 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

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

	ORUO	U.S.
Number of transplants evaluated	218	31,876
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	96.17%	95.60%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	96.43%	
Number of observed deaths during the first year after transplant	5	989
Number of expected deaths during the first year after transplant	5.45	
Estimated hazard ratio*	0.94	
95% credible interval for the hazard ratio**	[0.38, 1.75]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

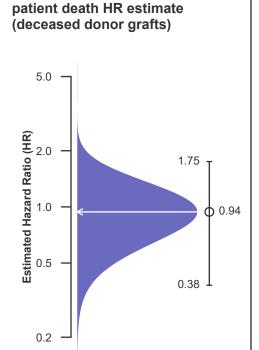
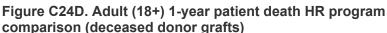
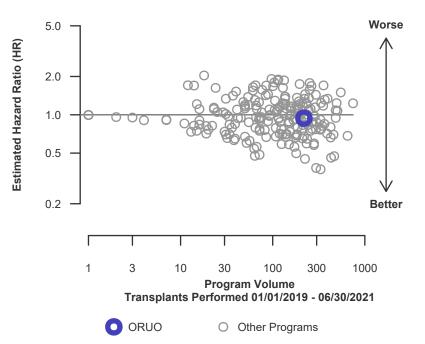


Figure C23D. Adult (18+) 1-year





^{**} The 95% credible interval, [0.38, 1.75], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 6% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 62% reduced risk up to 75% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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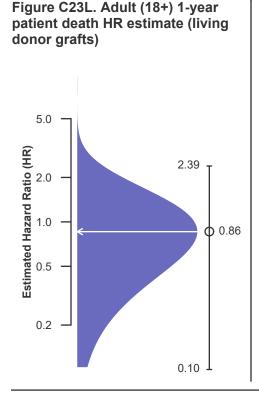
C. Transplant Information

Table C16L. Adult (18+) 1-year patient survival (living donor graft recipients)

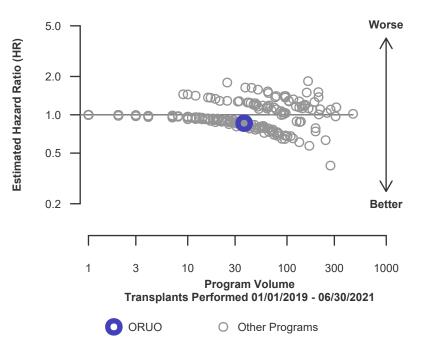
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	37	12,535
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	100.00%	98.50%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	98.76%	
Number of observed deaths during the first year after transplant	0	129
Number of expected deaths during the first year after transplant	0.33	
Estimated hazard ratio*	0.86	
95% credible interval for the hazard ratio**	[0.10, 2.39]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.







^{**} The 95% credible interval, [0.10, 2.39], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 14% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 90% reduced risk up to 139% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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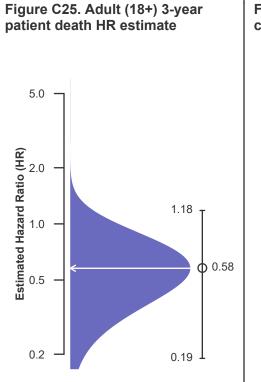
C. Transplant Information

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

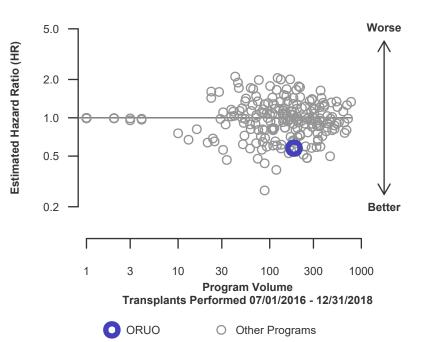
Single organ transplants performed between 07/01/2016 and 12/31/2018 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	184	40,944
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	98.37%	94.35%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	95.45%	
Number of observed deaths during the first 3 years after transplant	3	1,839
Number of expected deaths during the first 3 years after transplant	6.65	
Estimated hazard ratio*	0.58	
95% credible interval for the hazard ratio**	[0.19, 1.18]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.







^{**} The 95% credible interval, [0.19, 1.18], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 42% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 81% reduced risk up to 18% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

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Based on Data Available: April 30, 2022

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C. Transplant Information

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

Single organ transplants performed between 07/01/2016 and 12/31/2018 Retransplants excluded

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

	ORUO	U.S.
Number of transplants evaluated	141	27,871
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	97.87%	93.07%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	94.74%	
Number of observed deaths during the first 3 years after transplant	3	1,562
Number of expected deaths during the first 3 years after transplant	5.94	
Estimated hazard ratio*	0.63	
95% credible interval for the hazard ratio**	[0.20, 1.29]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

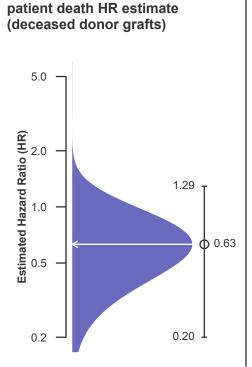
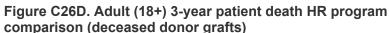
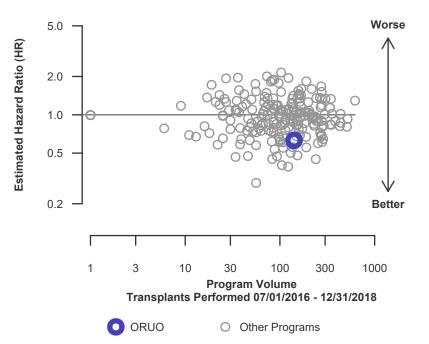


Figure C25D. Adult (18+) 3-year





^{**} The 95% credible interval, [0.20, 1.29], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 37% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 80% reduced risk up to 29% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

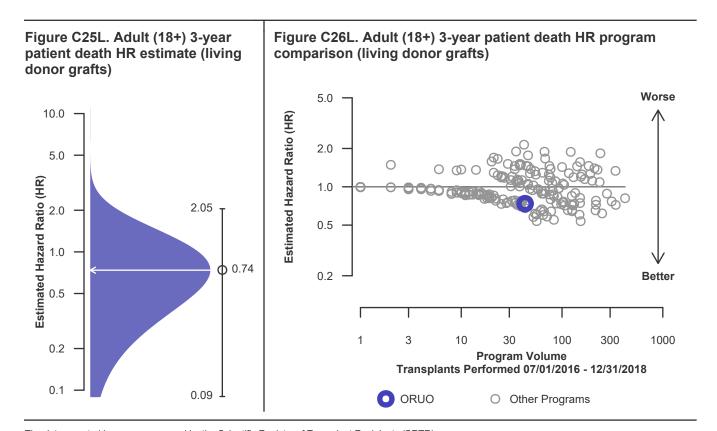
Table C17L. Adult (18+) 3-year patient survival (living donor graft recipients)

Single organ transplants performed between 07/01/2016 and 12/31/2018 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	43	13,073
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	100.00%	97.09%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	97.79%	
Number of observed deaths during the first 3 years after transplant	0	277
Number of expected deaths during the first 3 years after transplant	0.71	
Estimated hazard ratio*	0.74	
95% credible interval for the hazard ratio**	[0.09, 2.05]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.09, 2.05], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 26% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 91% reduced risk up to 105% increased risk.





Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

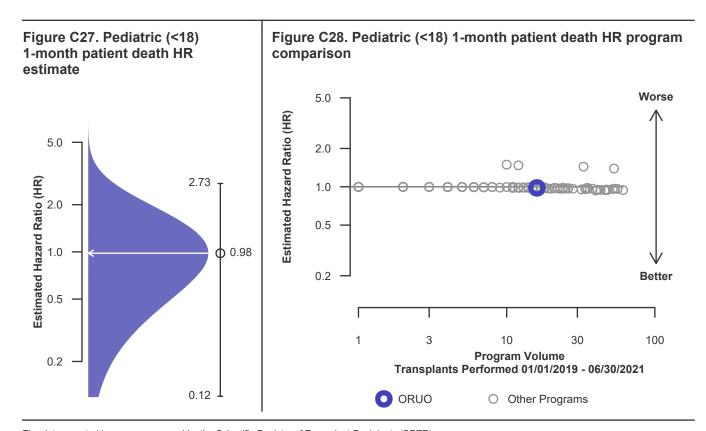
Table C18. Pediatric (<18) 1-month patient survival

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	16	1,833
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	99.78%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	99.75%	
Number of observed deaths during the first month after transplant	0	4
Number of expected deaths during the first month after transplant	0.04	
Estimated hazard ratio*	0.98	
95% credible interval for the hazard ratio**	[0.12, 2.73]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.12, 2.73], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 2% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 173% increased risk.





Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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

C. Transplant Information

Table C18D. Pediatric (<18) 1-month patient survival (deceased donor graft recipients)
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021
Retransplants excluded

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

	ORUO	U.S.
Number of transplants evaluated	10	1,262
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	99.92%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	99.92%	
Number of observed deaths during the first month after transplant	0	1
Number of expected deaths during the first month after transplant	0.01	
Estimated hazard ratio*	1.00	
95% credible interval for the hazard ratio**	[0.12, 2.77]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

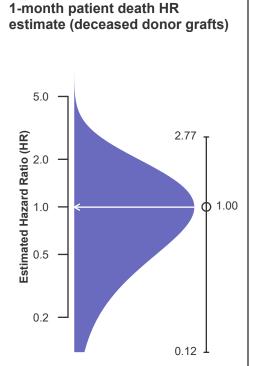
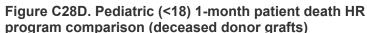
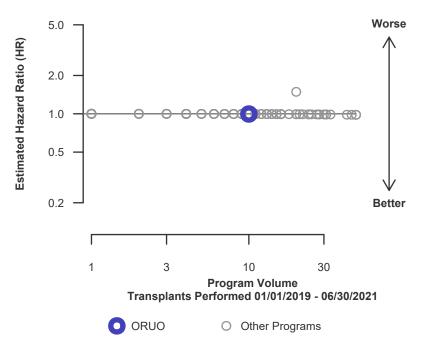


Figure C27D. Pediatric (<18)





^{**} The 95% credible interval, [0.12, 2.77], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 0% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 177% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

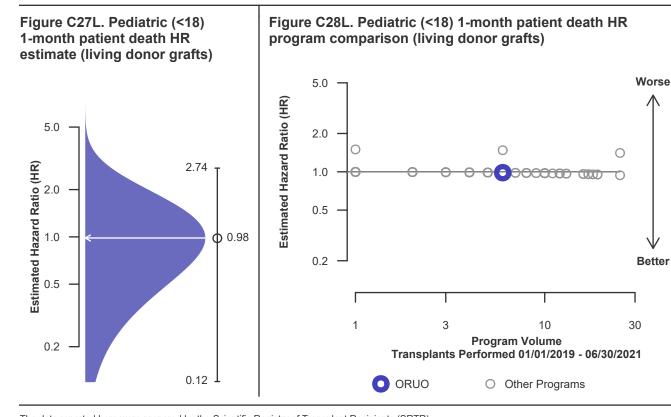
SRTR Program-Specific Report Feedback?: SRTR@SRTR.org 1.877.970.SRTR (7787) http://www.srtr.org

C. Transplant Information

Table C18L. Pediatric (<18) 1-month patient survival (living donor graft recipients)
Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021
Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	6	571
Estimated probability of surviving at 1 month (unadjusted for patient and donor characteristics)	100.00%	99.46%
Expected probability of surviving at 1 month (adjusted for patient and donor characteristics)	99.46%	
Number of observed deaths during the first month after transplant	0	3
Number of expected deaths during the first month after transplant	0.03	
Estimated hazard ratio*	0.98	
95% credible interval for the hazard ratio**	[0.12, 2.74]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.



^{**} The 95% credible interval, [0.12, 2.74], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 2% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 174% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

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Based on Data Available: April 30, 2022

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C. Transplant Information

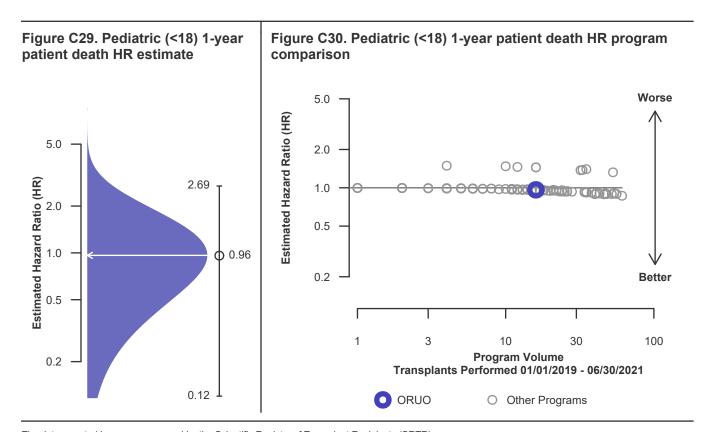
Table C19. Pediatric (<18) 1-year patient survival

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	16	1,833
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	100.00%	99.33%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	99.32%	
Number of observed deaths during the first year after transplant	0	9
Number of expected deaths during the first year after transplant	0.08	
Estimated hazard ratio*	0.96	
95% credible interval for the hazard ratio**	[0.12, 2.69]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.12, 2.69], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 4% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 169% increased risk.





Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

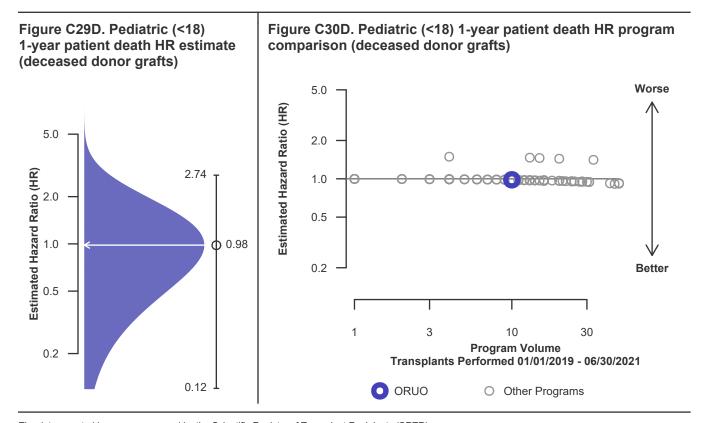
Table C19D. Pediatric (<18) 1-year patient survival (deceased donor graft recipients)

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	10	1,262
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	100.00%	99.42%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	99.42%	
Number of observed deaths during the first year after transplant	0	5
Number of expected deaths during the first year after transplant	0.04	
Estimated hazard ratio*	0.98	
95% credible interval for the hazard ratio**	[0.12, 2.74]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.12, 2.74], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 2% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 174% increased risk.





Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

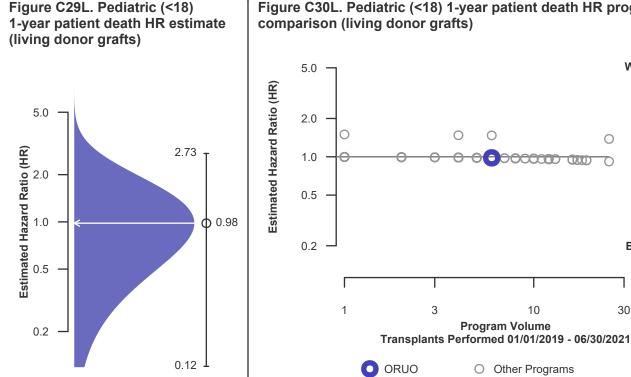
Table C19L. Pediatric (<18) 1-year patient survival (living donor graft recipients)

Single organ transplants performed between 01/01/2019 and 03/12/2020, and 06/13/2020 and 06/30/2021 Retransplants excluded

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

	ORUO	U.S.
Number of transplants evaluated	6	571
Estimated probability of surviving at 1 year (unadjusted for patient and donor characteristics)	100.00%	99.15%
Expected probability of surviving at 1 year (adjusted for patient and donor characteristics)	99.15%	
Number of observed deaths during the first year after transplant	0	4
Number of expected deaths during the first year after transplant	0.04	
Estimated hazard ratio*	0.98	
95% credible interval for the hazard ratio**	[0.12, 2.73]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.



Worse

Better

30

0

10

^{**} The 95% credible interval, [0.12, 2.73], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 2% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 173% increased risk.



Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

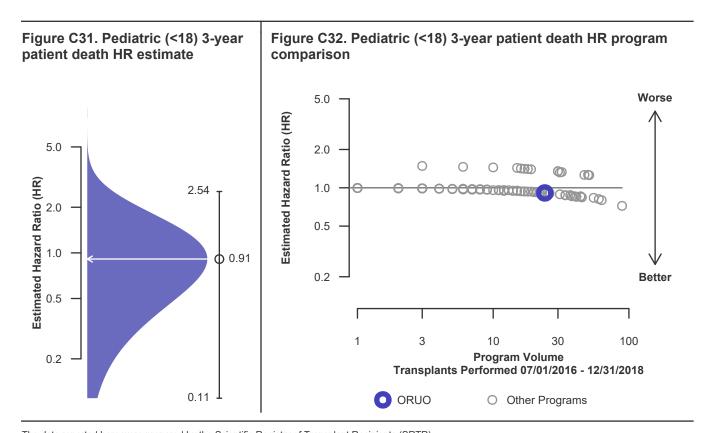
Table C20. Pediatric (<18) 3-year patient survival

Single organ transplants performed between 07/01/2016 and 12/31/2018 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	24	1,884
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	100.00%	98.95%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	98.96%	
Number of observed deaths during the first 3 years after transplant	0	15
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, 2.54]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.11, 2.54], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 9% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 154% increased risk.





Center Code: ORUO

Transplant Program (Organ): Kidney

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C. Transplant Information

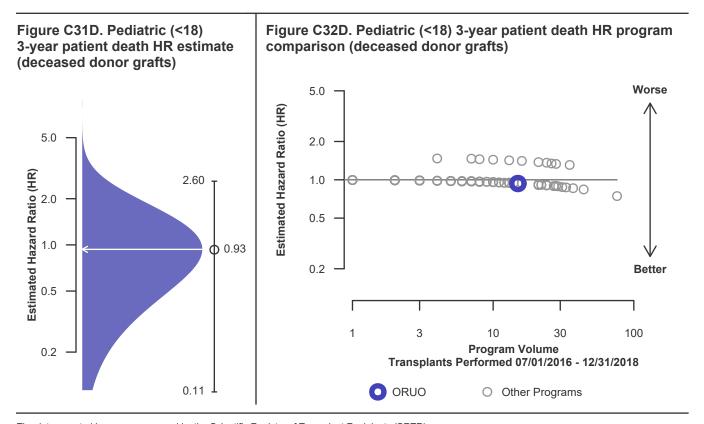
Table C20D. Pediatric (<18) 3-year patient survival (deceased donor graft recipients)

Single organ transplants performed between 07/01/2016 and 12/31/2018 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	15	1,258
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	100.00%	98.88%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	98.88%	
Number of observed deaths during the first 3 years after transplant	0	11
Number of expected deaths during the first 3 years 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 Oregon Health and Science University'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 ORUO's patient death 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 ORUO's true hazard ratio with 95% probability. The best estimate is 7% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 89% reduced risk up to 160% increased risk.





Center Code: ORUO

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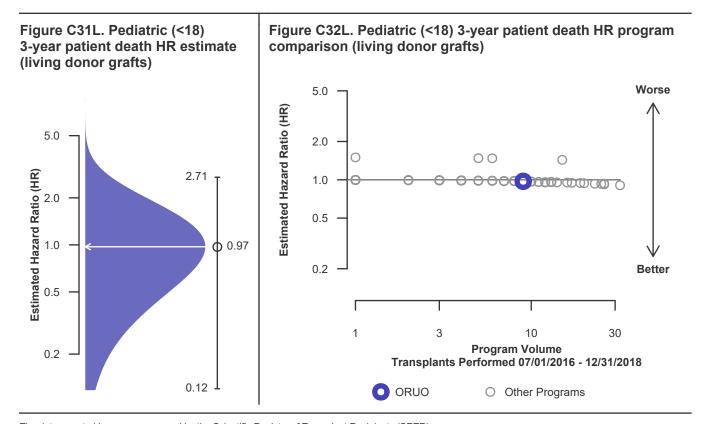
Table C20L. Pediatric (<18) 3-year patient survival (living donor graft recipients)

Single organ transplants performed between 07/01/2016 and 12/31/2018 Retransplants excluded

	ORUO	U.S.
Number of transplants evaluated	9	626
Estimated probability of surviving at 3 years (unadjusted for patient and donor characteristics)	100.00%	99.10%
Expected probability of surviving at 3 years (adjusted for patient and donor characteristics)	99.10%	
Number of observed deaths during the first 3 years after transplant	0	4
Number of expected deaths during the first 3 years after transplant	0.06	
Estimated hazard ratio*	0.97	
95% credible interval for the hazard ratio**	[0.12, 2.71]	

^{*} The hazard ratio provides an estimate of how Oregon Health and Science University'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 ORUO's patient death rate were precisely the expected rate, the estimated hazard ratio would be 1.0.

^{**} The 95% credible interval, [0.12, 2.71], indicates the location of ORUO's true hazard ratio with 95% probability. The best estimate is 3% lower risk of patient death compared to an average program, but ORUO's performance could plausibly range from 88% reduced risk up to 171% increased risk.





Oregon Health and Science University

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First-Year Outcomes

C. Transplant Information

Table C21. Multi-organ transplant graft survival: 01/01/2019 - 06/30/2021

Adult (18+) Transplants

Transplant Type	Transp Perfoi ORUO-TX1	rmed	Kidn Graft Fa ORUO-TX1	ilures	Estimated Graft Su ORUO-TX1	ırvival
Kidney-Liver	6	1,857	0	215	100.0%	87.9%
Kidney-Pancreas	24	2,127	1	93	95.5%	95.3%

Pediatric (<18) Transplants

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

Table C22. Multi-organ transplant patient survival: 01/01/2019 - 06/30/2021

Adult (18+) Transplants First-Year Outcomes

Transplant Type	Transp Perfoi ORUO-TX1	med	Patient DORUO-TX1		Estima Patient S ORUO-TX1	urvival
Kidney-Liver	6	1,857	0	171	100.0%	90.2%
Kidney-Pancreas	24	2,127	1	68	95.5%	96.5%

Pediatric (<18) Transplants

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



Center Code: ORUO

Transplant Program (Organ): Kidney

Release Date: July 6, 2022

Based on Data Available: April 30, 2022

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: 01/01/2019 - 12/31/2021

	This Center			United States		
Living Donor Follow-Up	01/2019- 12/2019	01/2020- 12/2020	01/2021- 06/2021	01/2019- 12/2019	01/2020- 12/2020	01/2021- 06/2021
Number of Living Donors	29	12	9	6,866	5,234	2,972
6-Month Follow-Up Donors due for follow-up	20	4	8	4,844	1,417	2,888
Timely clinical data	19 95.0%	4 100.0%	8 100.0%	4,209 86.9%	1,253 88.4%	2,524 87.4%
Timely lab data	18 90.0%	4 100.0%	8 100.0%	4,025 83.1%	1,199 84.6%	2,359 81.7%
12-Month Follow-Up Donors due for follow-up	6	10		1,328	3,813	
Timely clinical data	6 100.0%	10 100.0%		1,074 80.9%	3,171 83.2%	
Timely lab data	5 83.3%	10 100.0%		981 73.9%	2,949 77.3%	
24-Month Follow-Up Donors due for follow-up	22			5,194		
Timely clinical data	20 90.9%			3,986 76.7%		
Timely lab data	15 68.2%			3,576 68.8%		

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