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Message from the Founder & CEO



We continue to experience strong growth, with the NKR now facilitating 25% of all living donor kidney transplants in the United States. Through the Donor Shield program, we are now protecting and supporting over 35% of all U.S. living donors.

NKR donor referrals are up by 27% over last year. With this strong growth in referrals, we are expecting over 500 donations this year from NKR referred donors.

Donor Shield reimbursements are up 50% over 2023. As we continue to expand the program, reimbursements are expected to exceed \$10M this year as we work to eliminate living donor disincentives.

Compatible pair transplants continue to increase. They are driven by the over 20 Member Centers that are on the Kidney for Life Expert System platform. These compatible pairs are helping to bring more O donors into the pool and are driving down the median O blood type wait times by 26%, from 3.4 months to 2.5 months.

Sincerely,

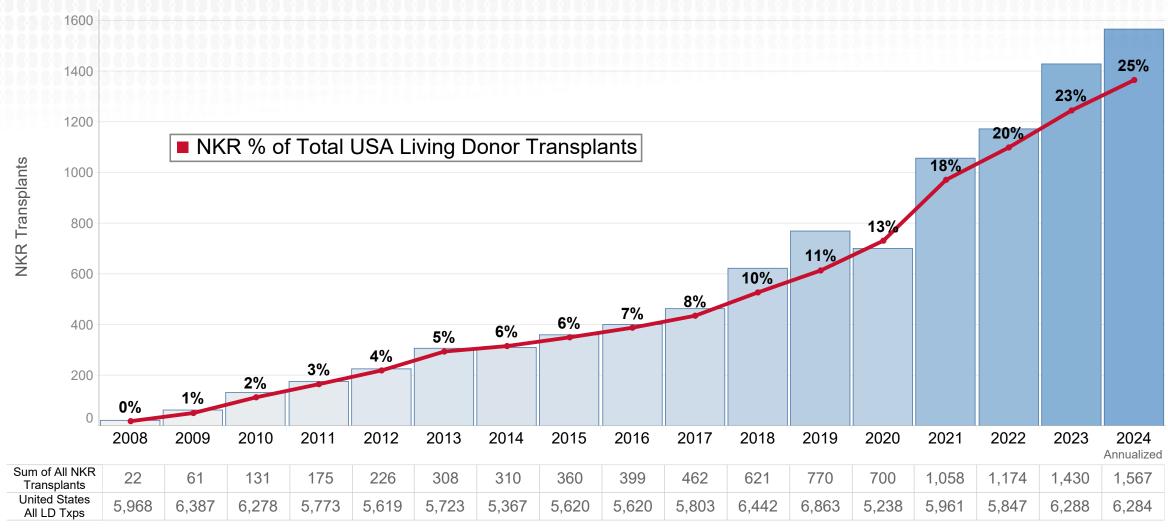
Garet Hil

Founder & CEO

National Kidney Registry

Living Kidney Donor

NKR Facilitated Transplant Growth



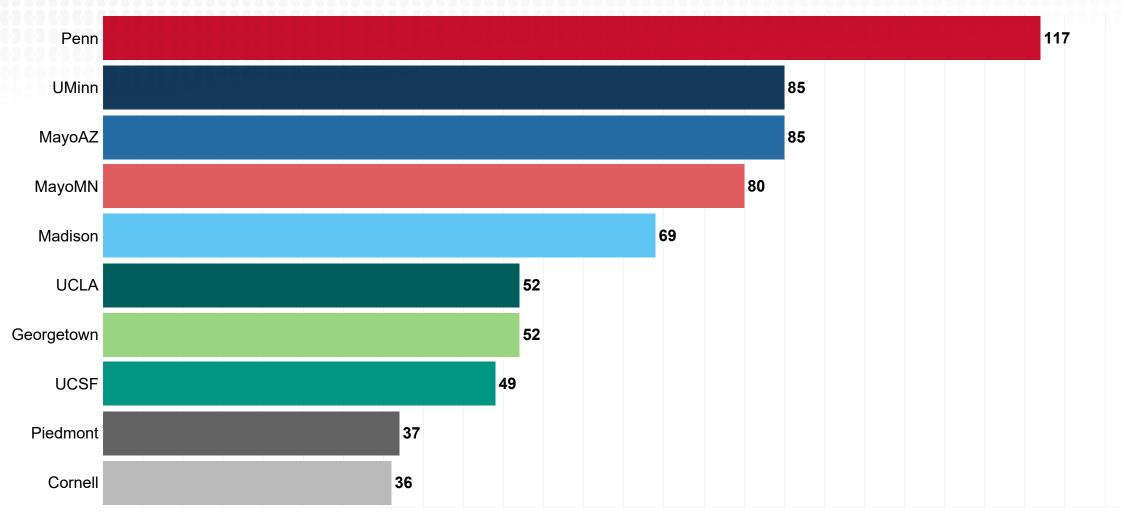
^{*}NKR facilitated transplants (TXPs) include voucher, paired, remote directs, KFL remote directs, NKR internal direct, microsite internal direct, and WLP transplants. Total transplants subject to change due to delayed reporting. NKR data captured 3/31/2024

^{**}https://optn.transplant.hrsa.gov/data/ U.S. Living Donor (LD) Transplants Performed: Data for OPTN 1/1/2008 - 3/31/2024



Top 10 Centers: NKR Facilitated Transplants

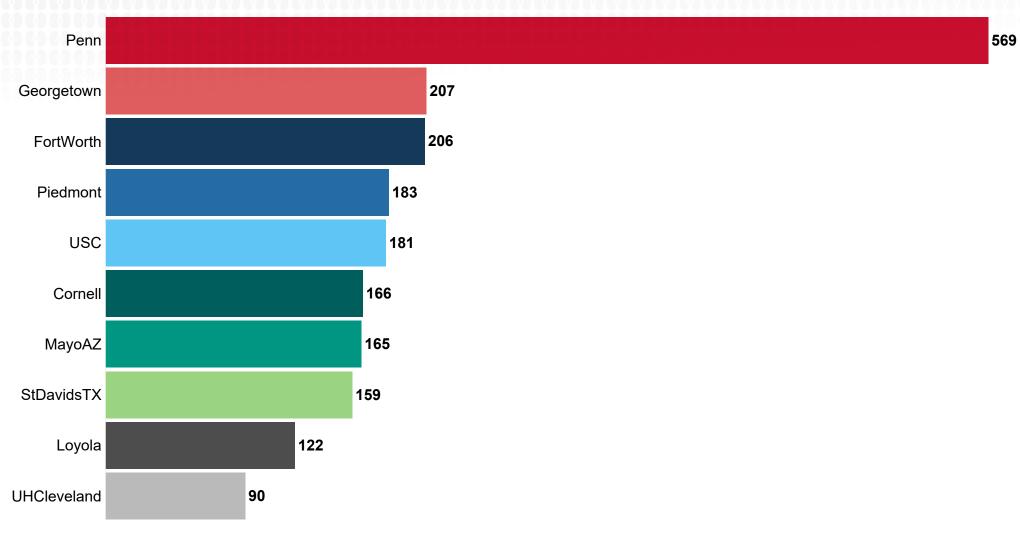
Last 12 Months



^{*}NKR facilitated transplants (TXPs) include voucher, paired, remote directs, KFL remote directs, NKR internal direct, microsite internal direct, and waitlist transplants. As of 3/31/2024



Top 10 Centers: Active Microsites

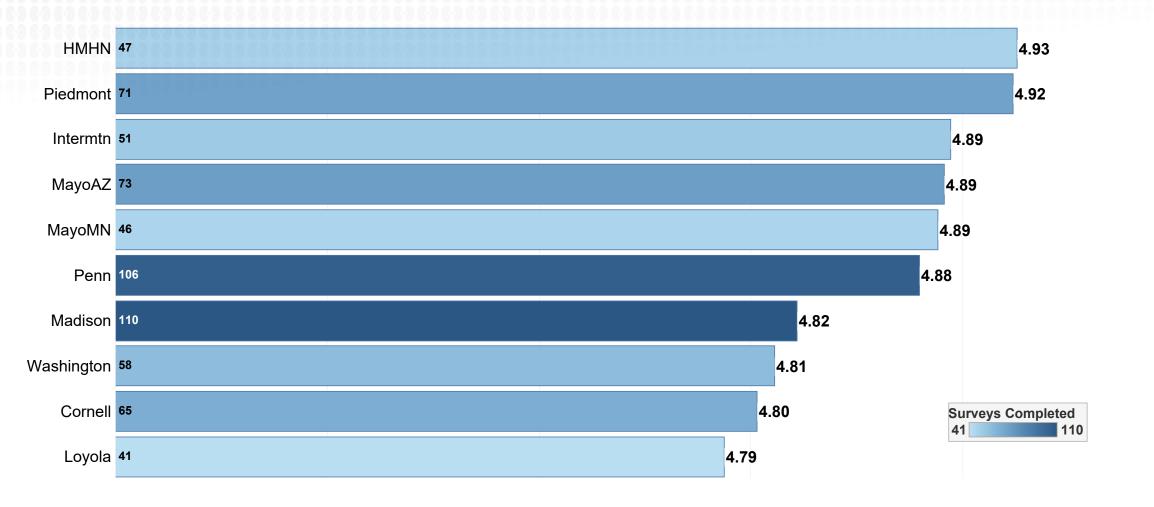


Total active kidney microsites on 3/31/2024



Top 10 Centers: Donor Satisfaction Surveys

Surveys Completed Within the Last 6 Months

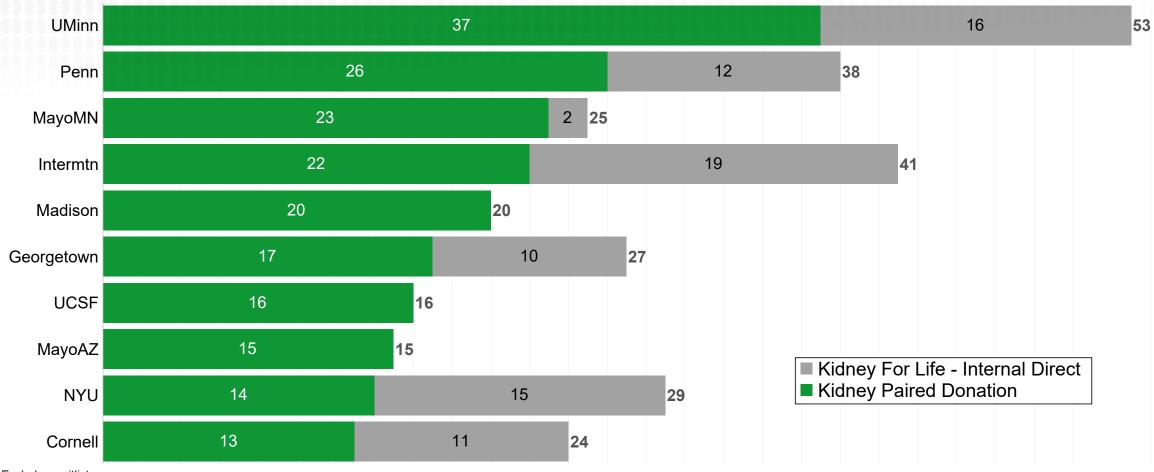


PL DASH centers only. A minimum of 40 completed surveys to qualify. As of 3/31/2024



Top 10 KFL Centers: Low Eplet Mismatch Transplants

Compatible and Incompatible Pairs-Last 12 Months



Excludes waitlist. As of 3/31/2024

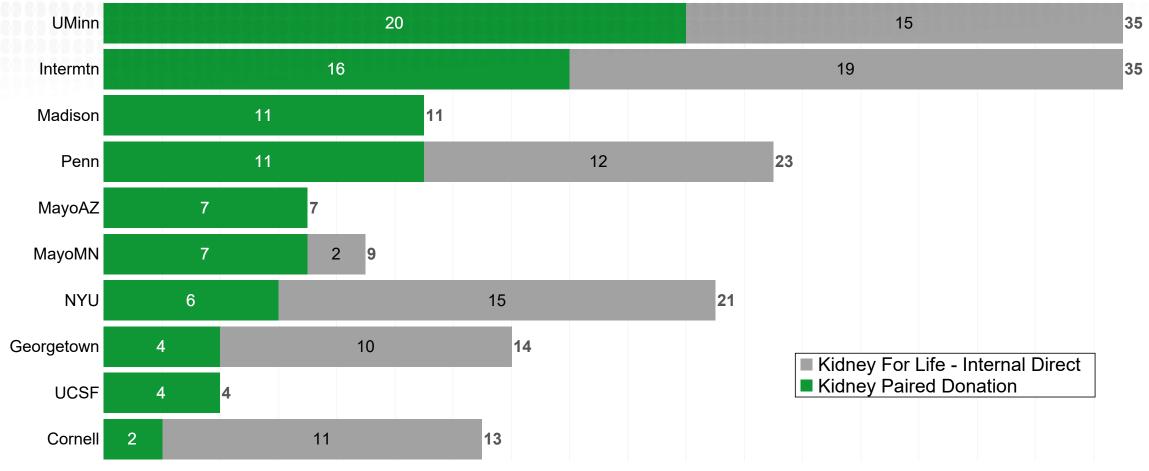
Kidney for Life is an NKR initiative to provide opportunities for better donor matches

Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. https://doi.org/10.1111/ait.15177



Top 10 KFL Centers: Low Eplet Mismatch Transplants

Compatible Pairs-Last 12 Months



Excludes waitlist. As of 3/31/2024

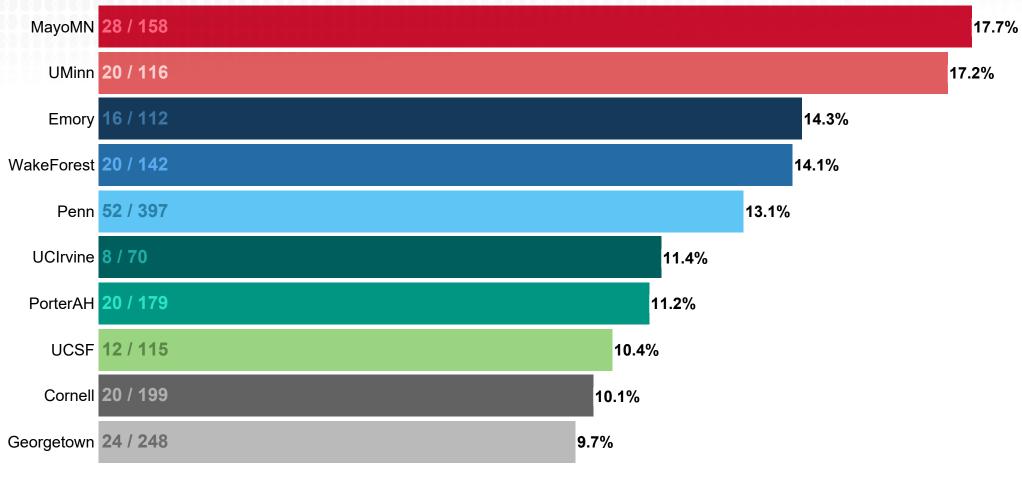
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Top 10 DCN Centers: Referral Conversion Rates

Annualized Donations / Average Referrals



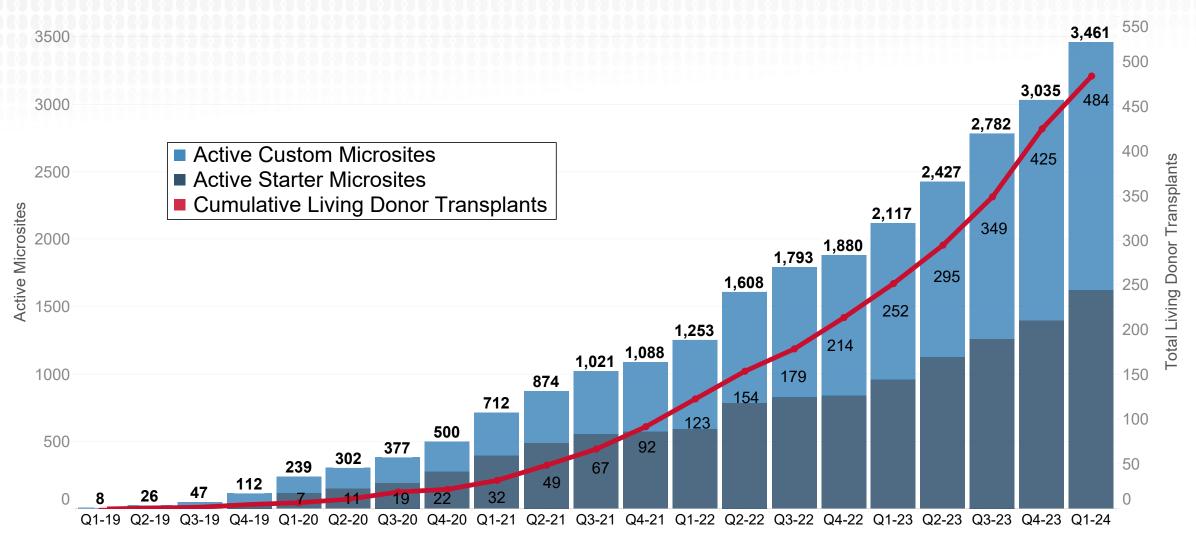
Excludes Centers with less than 20 Referrals

Average Referrals: (Annualized Current Year Referrals + Prior Year Referrals) /2

Donor Care Network Center of Excellence (DCN). An elite group of transplant centers offering the highest level care and support to living kidney donors As of 3/31/2024



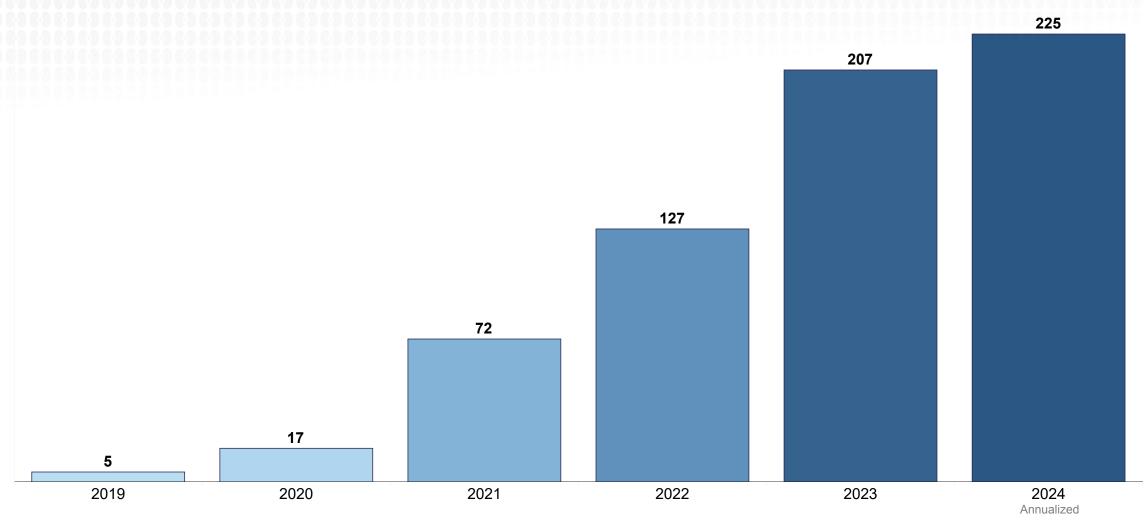
Microsites: Quarterly Growth



Final cumulative living donor transplants are subject to change due to delays in transplant center reporting. As of 3/31/2024



Microsites: Patients who Received a Living Donor Transplant

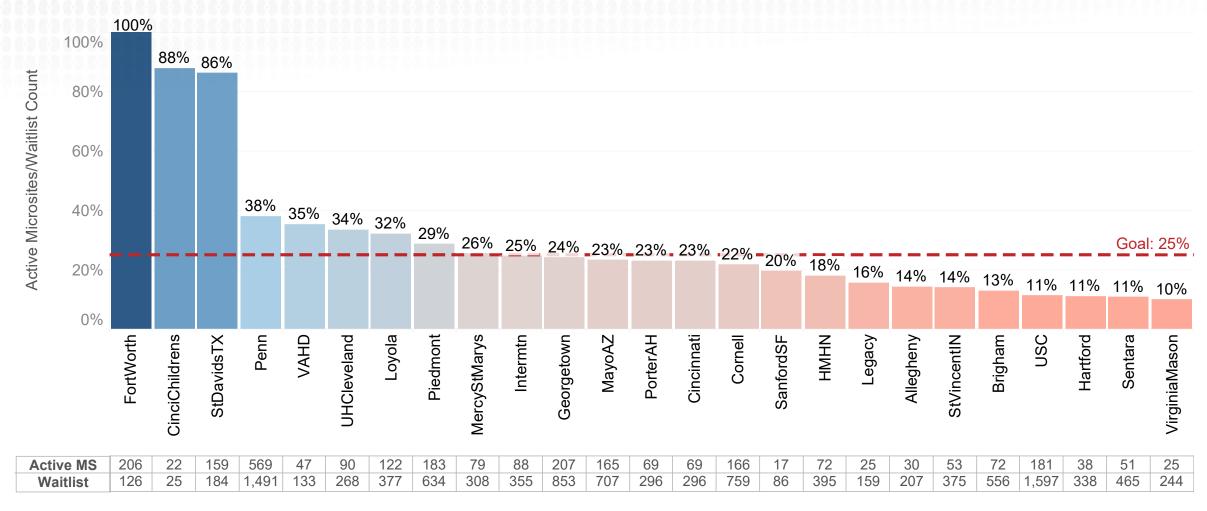


Includes liver & kidney. Non-cumulative total for each year. 2023 data subject to change due to delays in transplant center reporting. As of 3/31/2024



Microsites: Enrollment Success

Percent of Waitlist Patients with Microsites

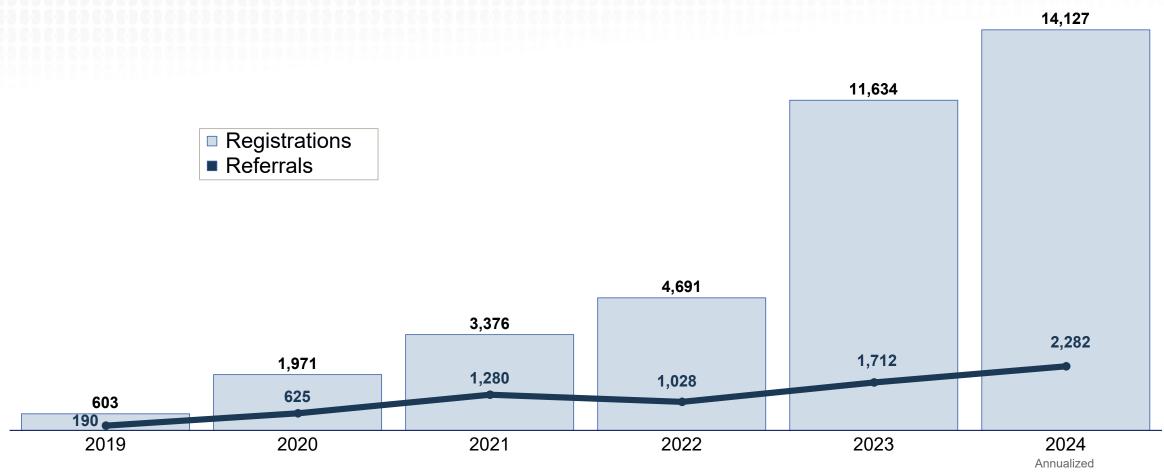


NKR Microsite Data for 3/31/2024 compared to the latest OPTN waitlist data (2/1/2024). Formula: Active Microsites / Total Waitlist. Minimum 10% Success Rate. Waitlist Data Provided courtesy of NYU Grossman School of Medicine, Department of Surgery



Microsites: Donor Registrations & Referrals

Growth in Microsite Activity



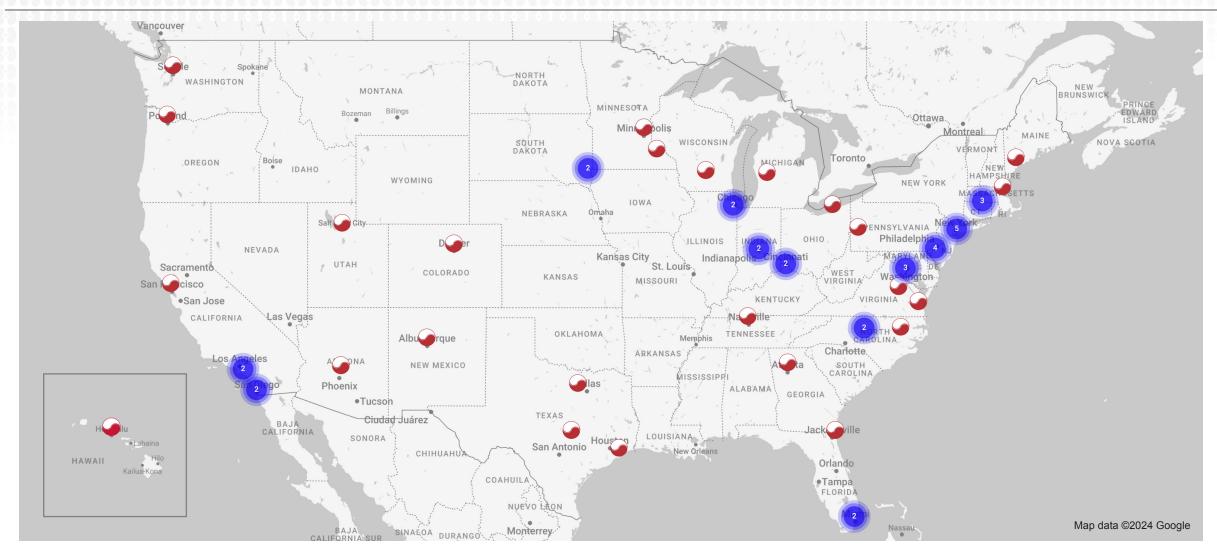
Kidney only.

Registration: A donor candidate who completes the first form to start the registration process (Many 2023 registrants are still in the process).

Referral: A donor candidate who completed all stages of the registration process (Initial labs have been required to complete microsite donor registration process since October 2022). As of 3/31/2024



Microsite Centers



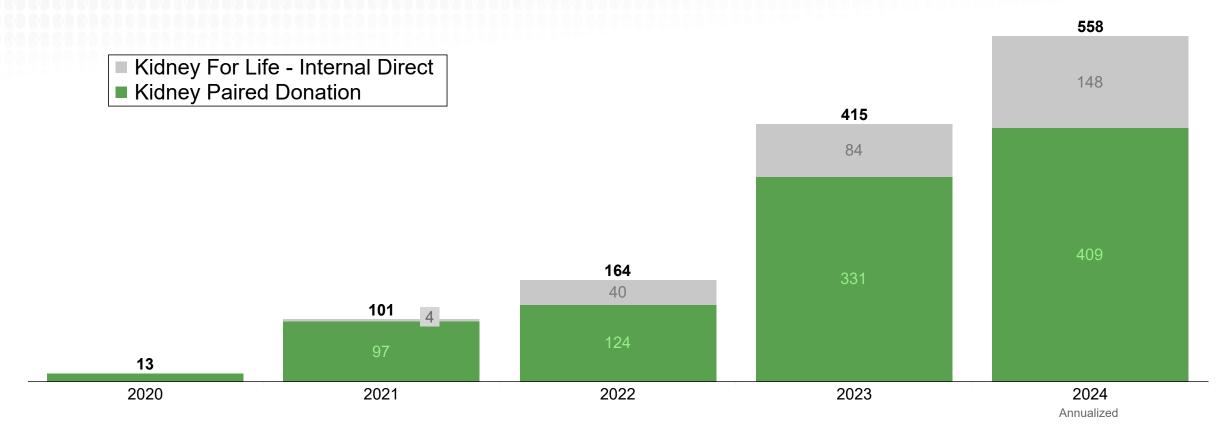
As of 4/16/2024.

To see the latest microsite participating centers <u>click here</u>.



Low Eplet Mismatch Transplants

Compatible and Incompatible Pairs



Excludes waitlist.

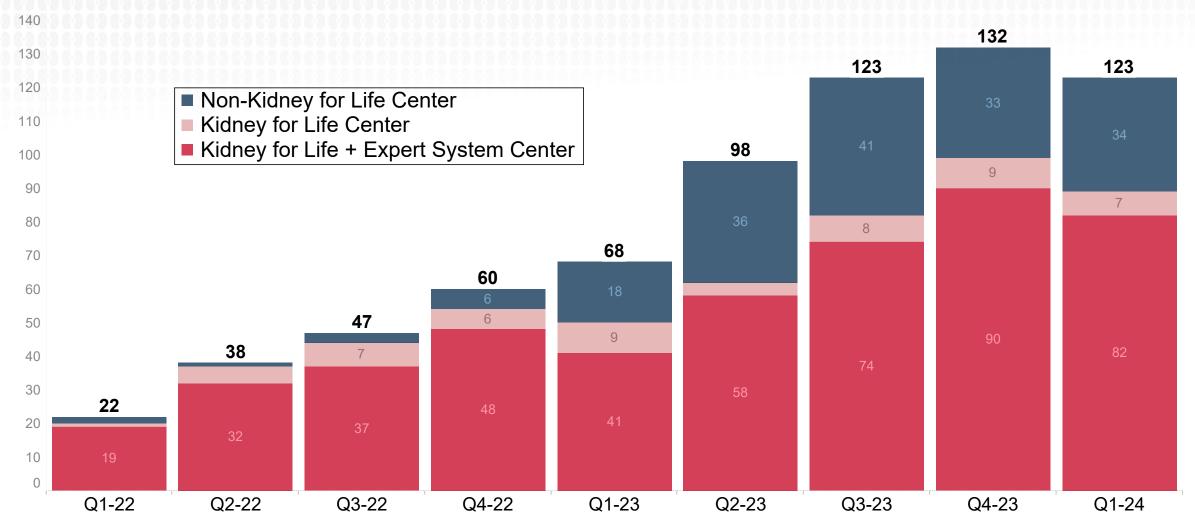
As of 3/31/2024

Kidney for Life is an NKR initiative to provide opportunities for better donor matches.

Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. https://doi.org/10.1111/ajt.15177



Low Eplet Mismatch Transplants



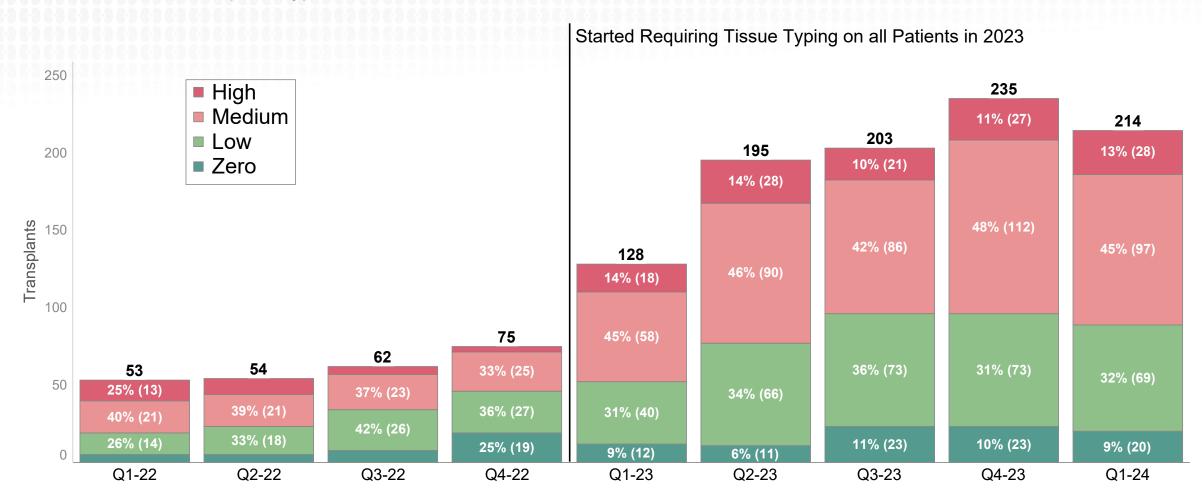
Low eplet mismatch transplants include Kidney for Life internal direct. As of 3/31/2024

Kidney for Life is an NKR initiative to provide opportunities for better donor matches.



Eplet Mismatch Transplants by Category

Voucher & Paired Recipient Types



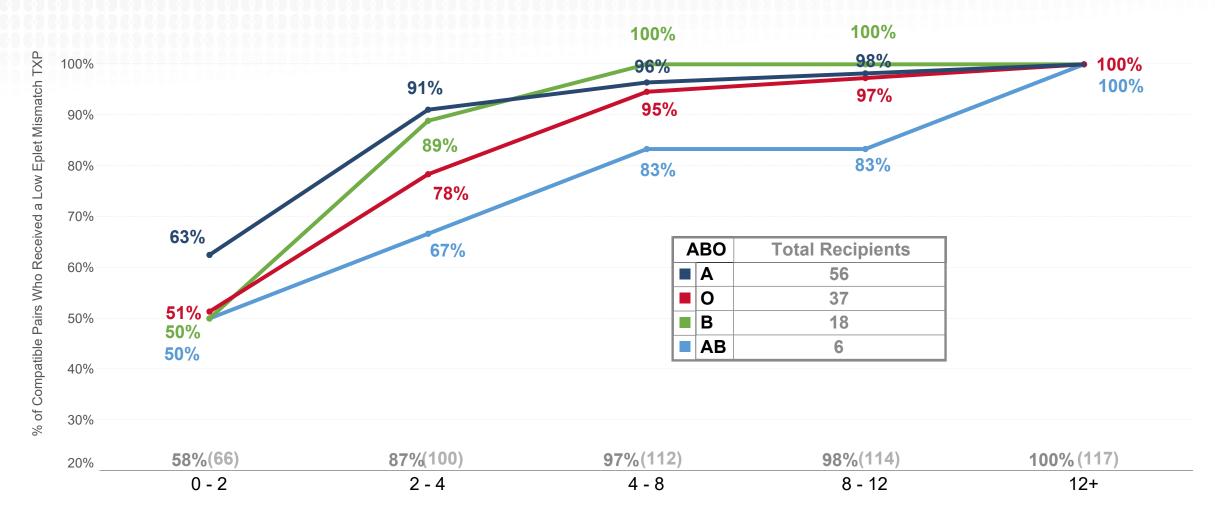
As of 3/31/2024

Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. https://doi.org/10.1111/ajt.15177



Actual Wait Times to Transplant

Compatible Pairs who Received a Low Eplet Mismatch Transplant

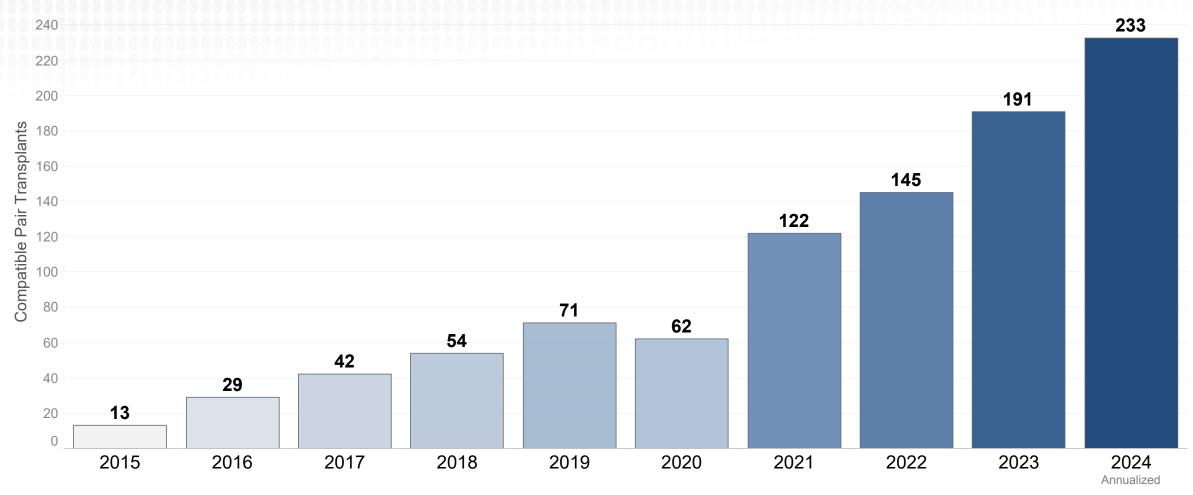


Excludes KFL internal direct. Last 12 months to date—as of 3/31/2024. cPRA ≤ 99



Compatible Pair Transplants

The Kidney for Life Initiative Leads to More Compatible Pairs & Shorter Wait Times



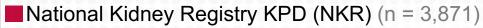
Voucher and paired recipients across the network.

A compatible pair is defined as a donor and recipient who are biologically compatible via blood type and antibody compatibility. As of 3/31/2024

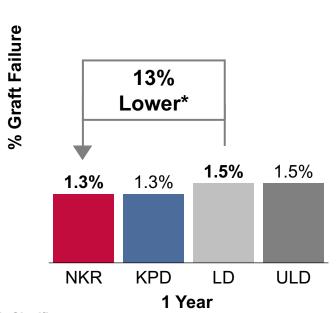


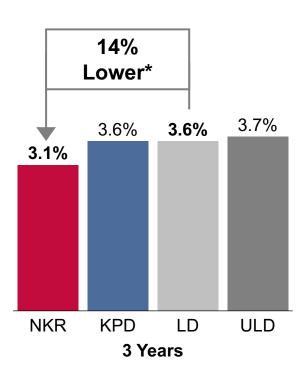
Death Censored Graft Failure Comparisons

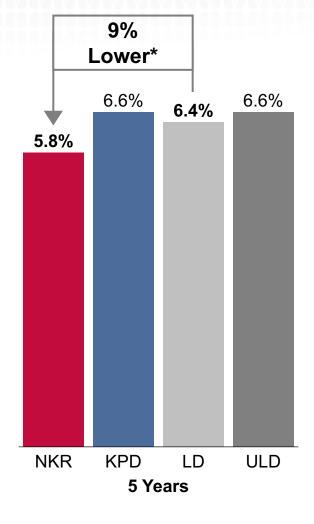
Latest Data Shows that NKR Outcomes Continue to Improve



- Non-NKR KPD (KPD) (n = 5,804)
- US Living Donor (LD) (n = 82,276)
- ■US Unrelated Living Donor (ULD) (n = 41,103)







*Statistically Significant

As of 8/1/2023

Provided courtesy of NYU Grossman School of Medicine, Department of Surgery *Not including waitlist patients; Kaplan-Meier GS Rates for Transplants Performed: 02/2008-5/2023 with follow-up through 6/30/2023. https://www.str.org/SRTR data as of August 2023



Kidney for Life Centers

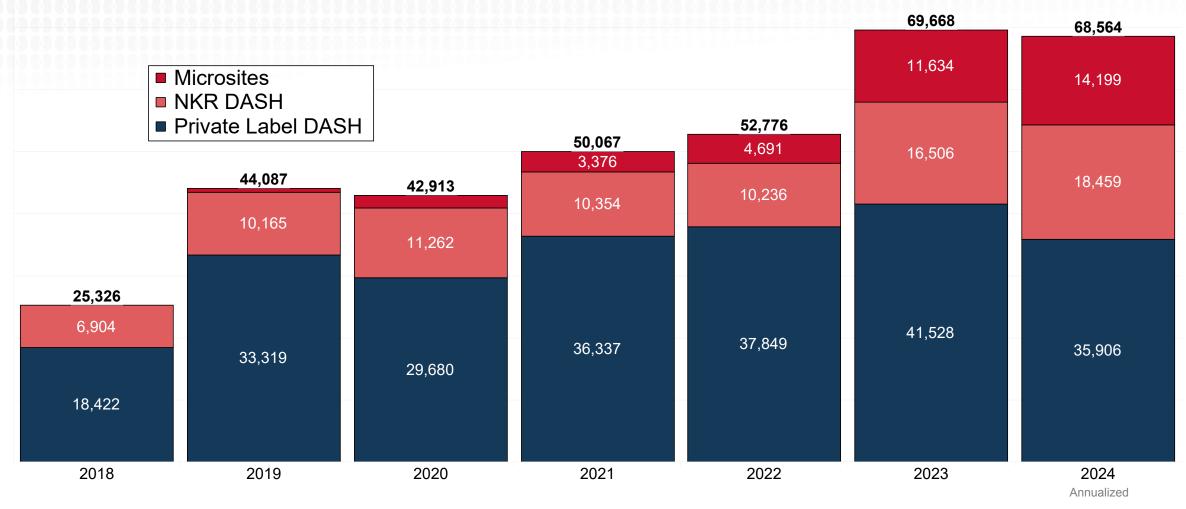


As of 4/16/2024
To see the latest Kidney for Life participating centers <u>click here</u>.



Living Kidney Donor Registrations

Across All DASH Intake Platforms

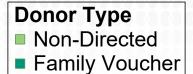


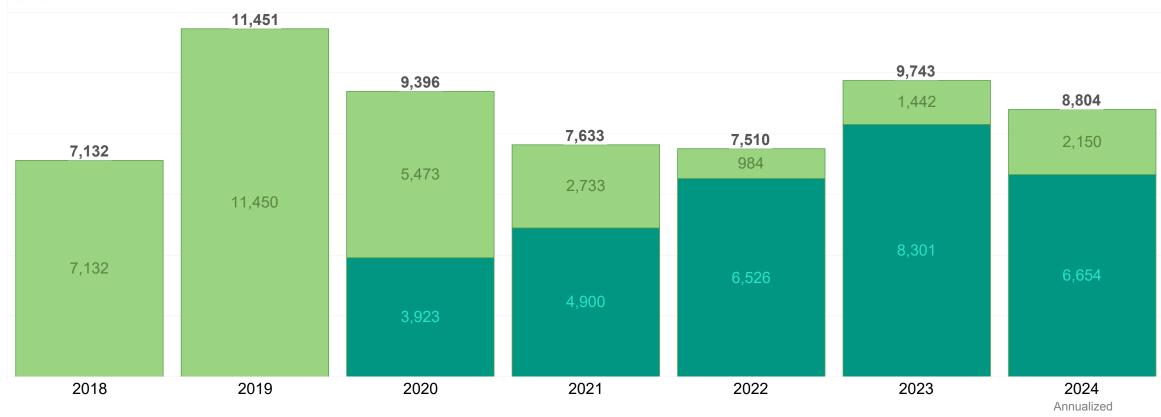
DASH = Donor Automated Screening & History As of 3/31/2024



Good Samaritan Kidney Donor Candidate Registrations

Across All DASH Intake Platforms



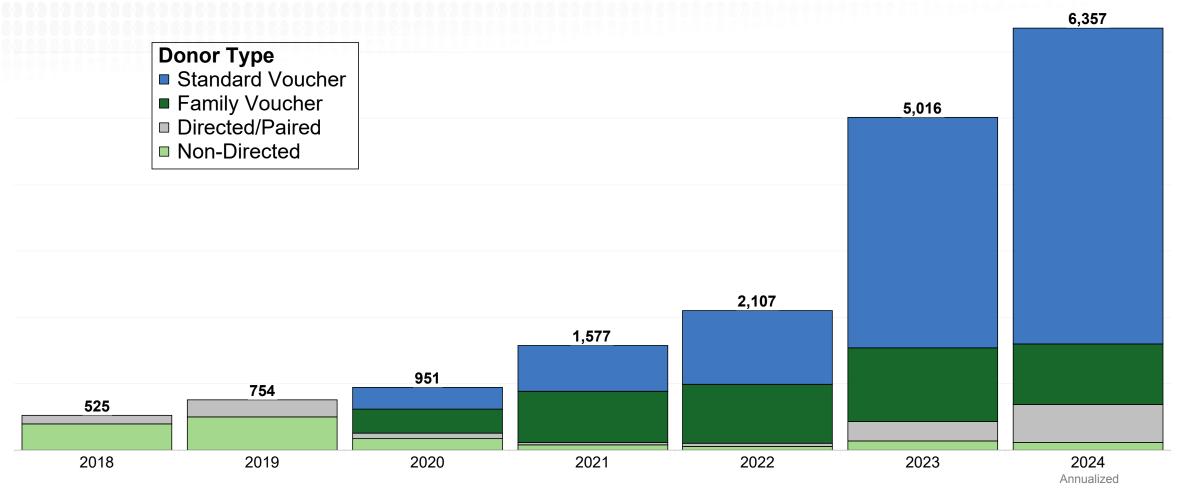


DASH = Donor Automated Screening & History As of 3/31/2024



NKR Living Kidney Donor Referrals

Completed Online Screening, Medical History, and Labs

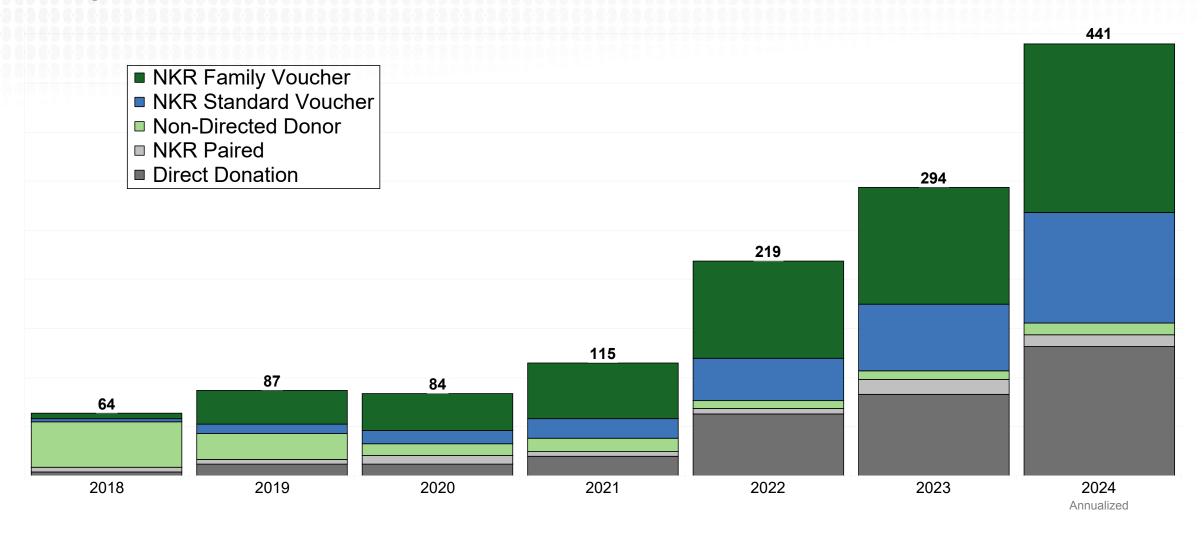


Includes living kidney donor registrants from all NKR websites As of 3/31/2024



NKR Living Kidney Donations

Resulting from NKR Donor Referrals

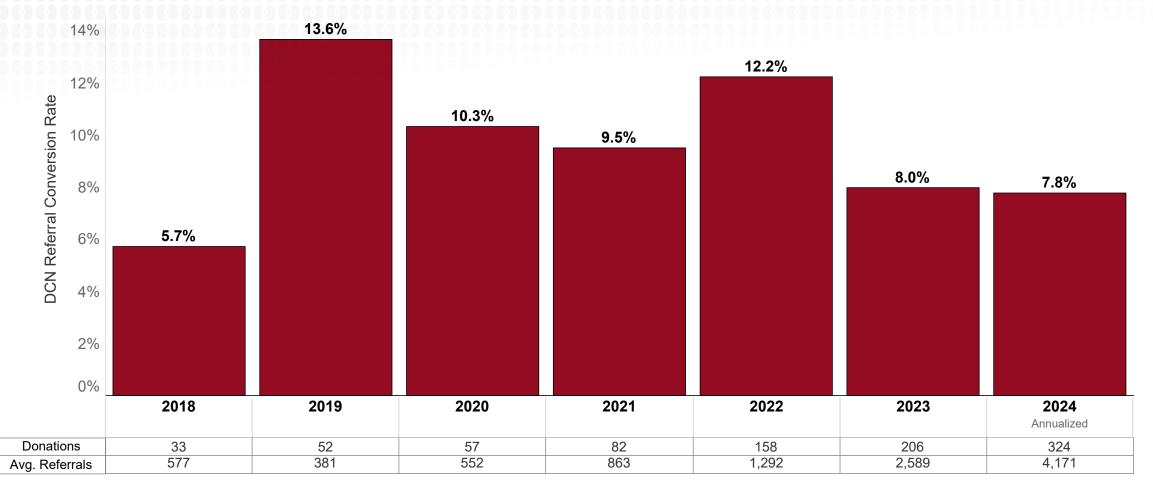


As of 3/31/2024



Donor Care Network: Donor Referral Conversion Rate

Donations / Average Referrals



Average Referrals: (Annualized current year referrals + prior year referrals) / 2
Donor Care Network Center of Excellence (DCN). An elite group of transplant centers offering the highest level care and support to living kidney donors
As of 3/31/2024



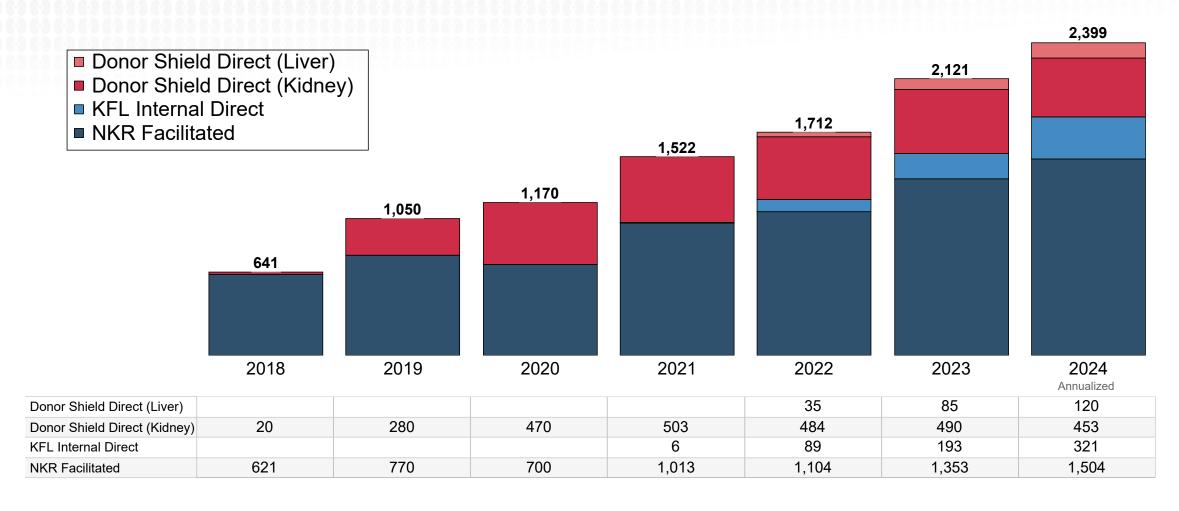
Donor Mentors Result in Higher Conversion Rates

DASH Donations / Average Registrations 8.2% 2024 Donor Care Network Average: 5.2% 1.4% 1.2% **Declined Mentor Accepted & Assigned Fully Mentored During Registration No Contact Made Donor Candidates** 2024 Donations 184 140 1,028 9,140 12,540 2024 Registrations 12,556 18,063 2023 Registrations 11,028 12,596 **Average Registrations** 15,310 10,084 12,568 **Conversion Rate** 1.2% 1.4% 8.2%

Data for all DASH registrants (NKR & private label) who were offered a mentor during registration. All 2024 data is annualized. As of 3/31/2024



Donor Shield: Living Donors Supported and Protected

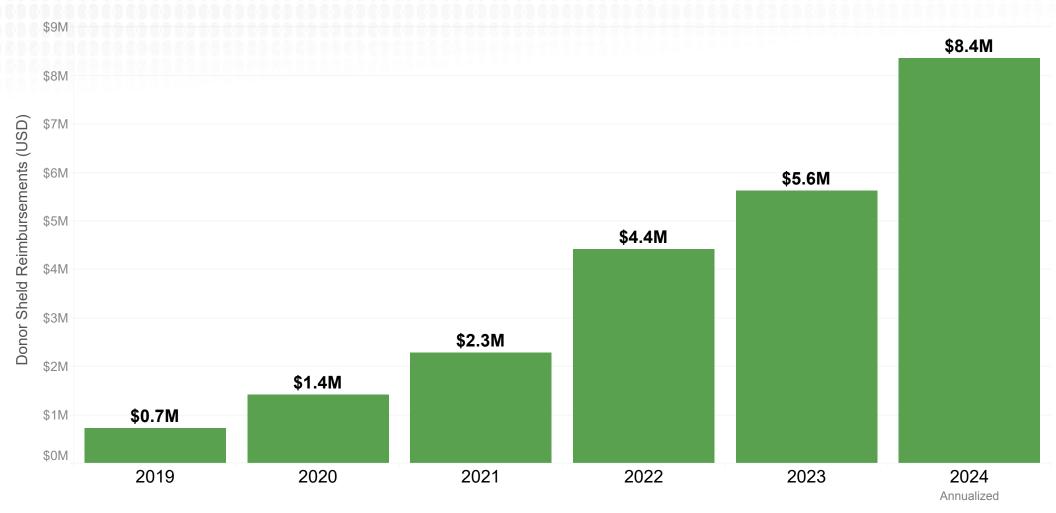


Donor Shield offered for liver starting 2022. Living donor prioritization excluded for Donor Shield direct kidney and liver cases. As of 3/31/2024



Donor Shield: Donor Reimbursements Paid

Eliminating Donation Disincentives

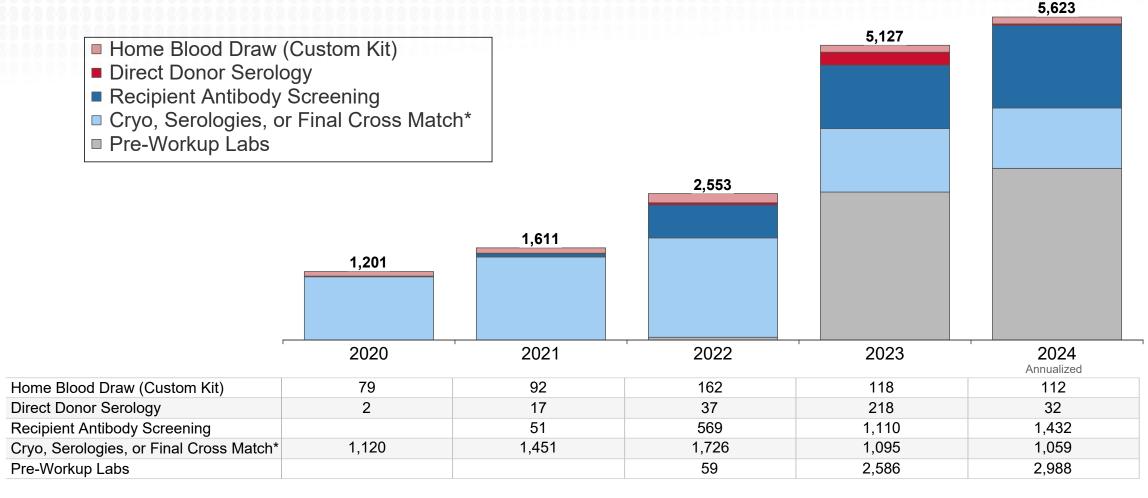


Primary reimbursement costs related to lost wages, travel and lodging. As of 3/31/2024



Donor Shield: Removing Barriers to Donation

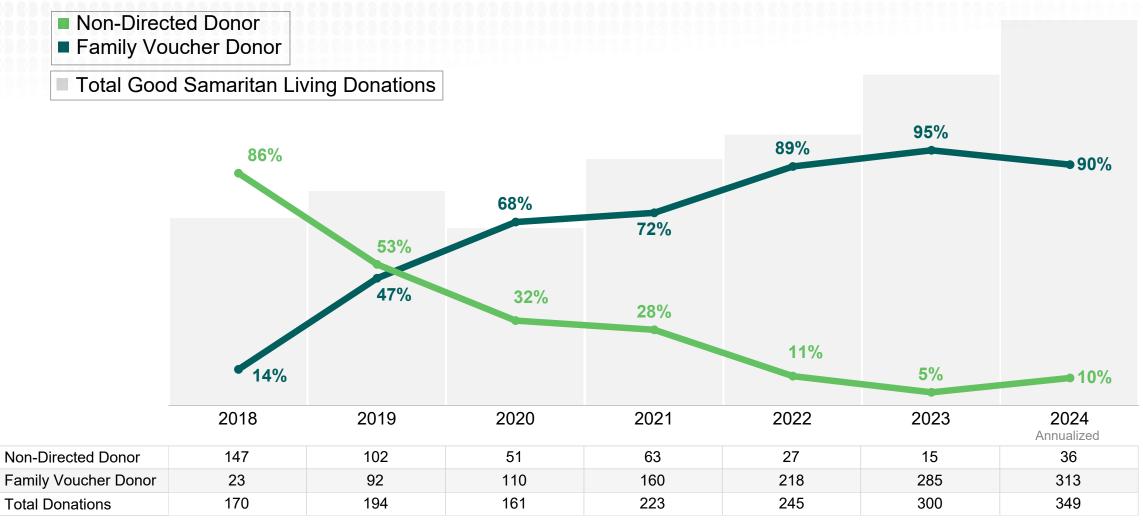
Home Blood Draw Requests



^{*}No longer shipping cryo kits as of as of March 2023 As of 3/31/2024



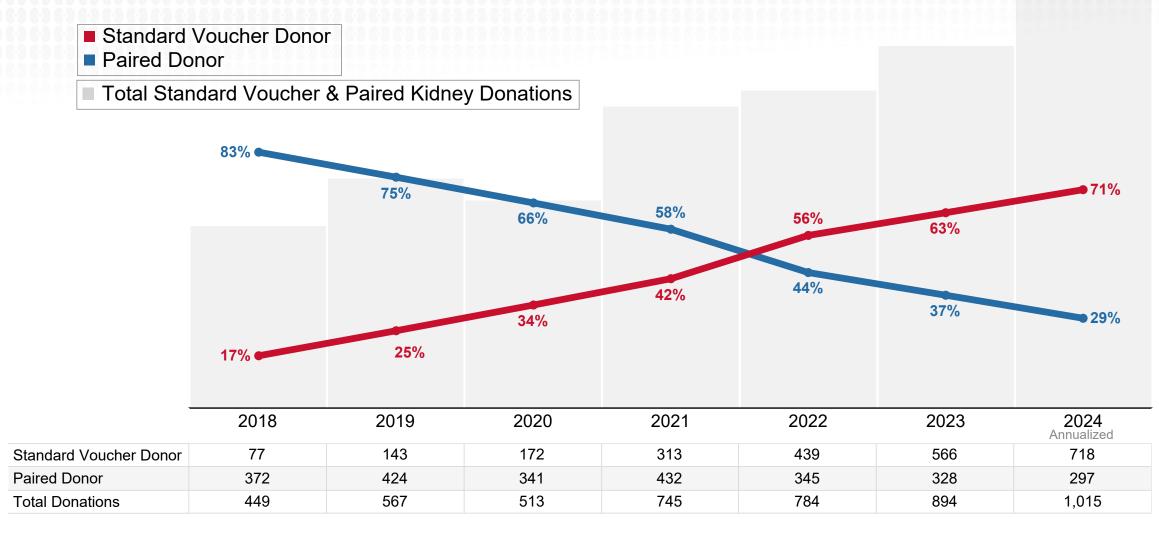
Decoupling Trend: Transition to Family Voucher Donation



As of 3/31/2024



Decoupling Trend: Transition to Standard Voucher Donation

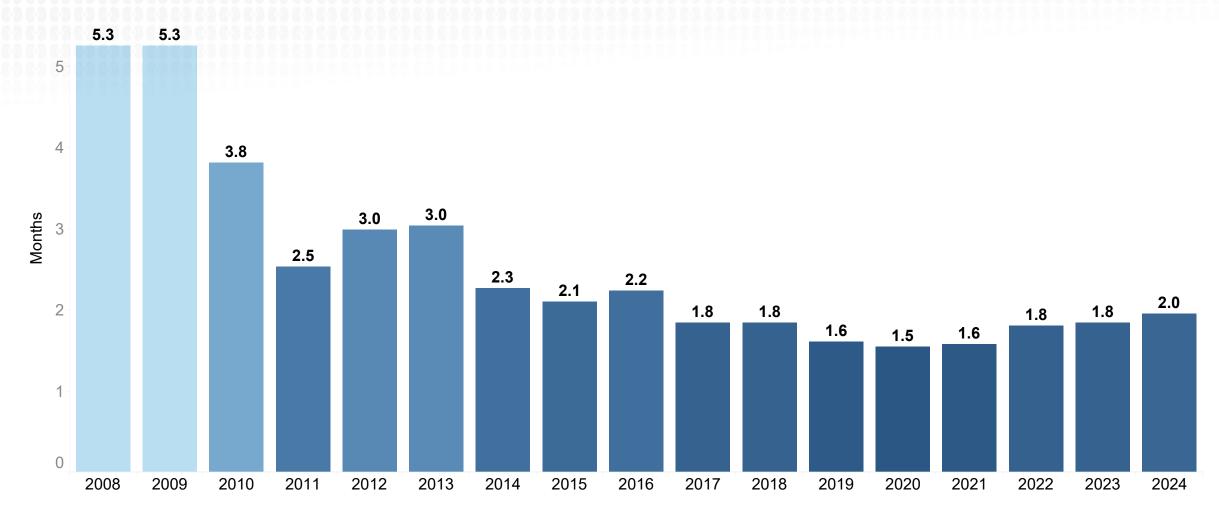


As of 3/31/2024



Wait Time: Median Time to Transplant

From Exportability to Transplant

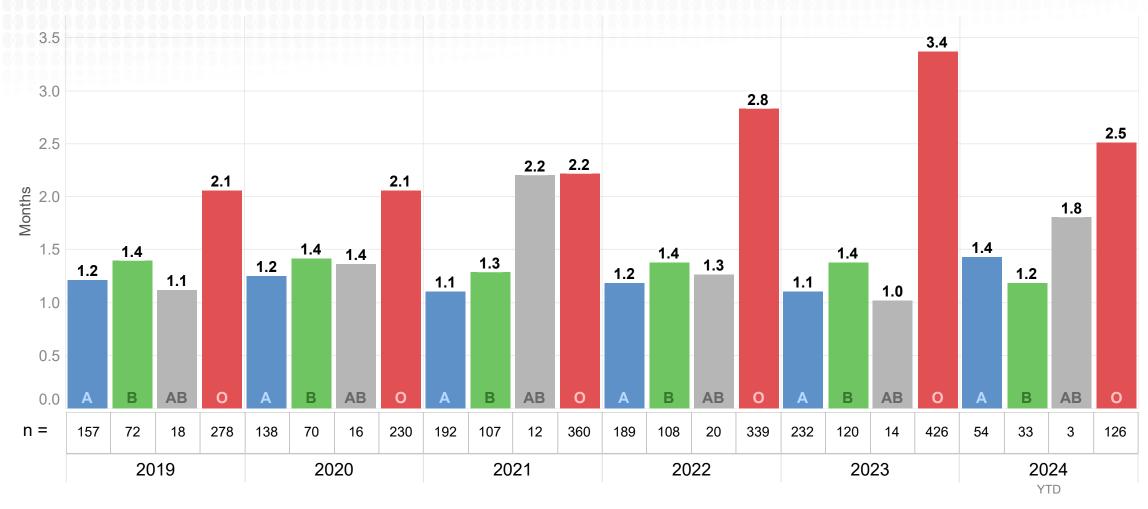


Total wait time including paired and voucher. Excludes non-KPD and waitlist patient transplants. As of 3/31/2024



Wait Time: Median by Blood Type

From Exportability to Transplant

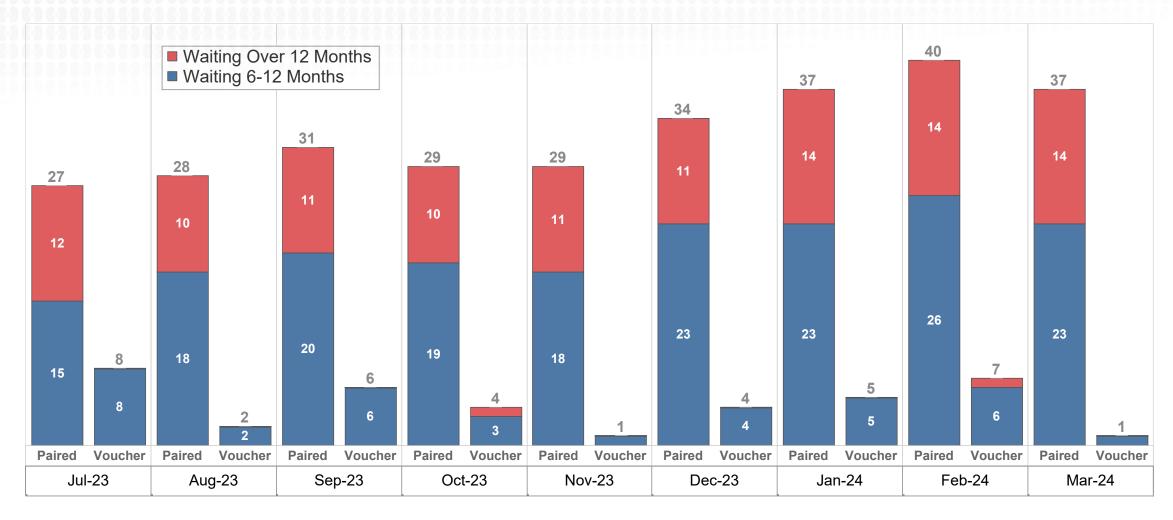


Total wait time including paired and voucher. Excludes non-KPD and waitlist patient transplants. As of 3/31/2024



Wait Time: Voucher Patients have Shorter Wait Times

Currently Matchable Patients (At least one matchable donor currently in the donor pool)

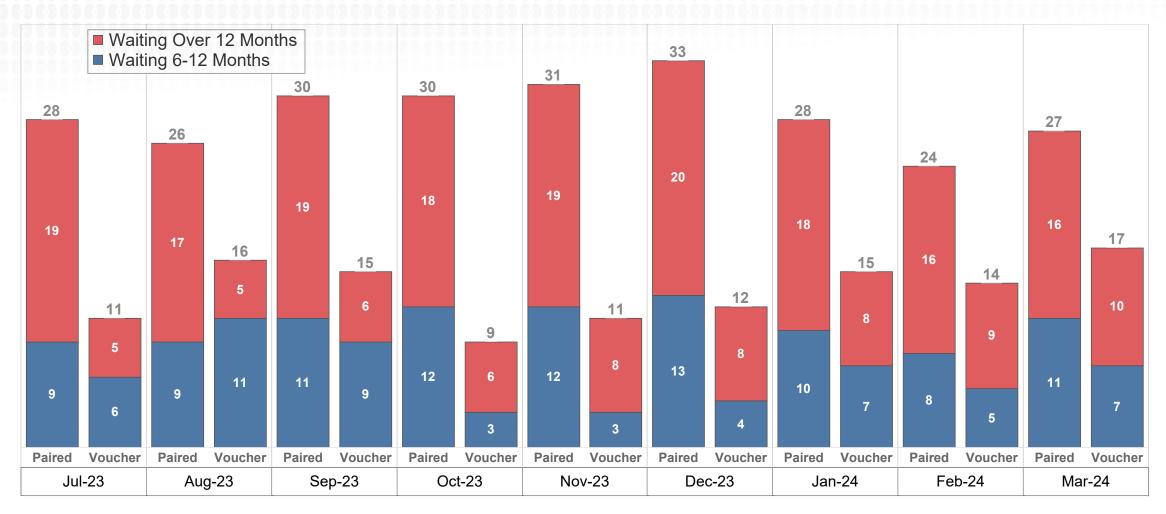


Excludes patients waiting less than 6 months. Snapshot of the last day of each month. As of 3/31/2024



Wait Time: Voucher Patients have Shorter Wait Times

Currently Unmatchable Patients (No matchable donors currently in the donor pool)



Excludes patients waiting less than 6 months. Snapshot of the last day of each month. As of 3/31/2024



Wait Time: Dialysis Patients Waiting 12+ Months

Due to High cPRA

Paired Patients

#	Patient ID	Patient ABO	cPRA	Pair Wait Time
1	12411	A	100.00	42
2	10569	А	100.00	33
3	14941	0	100.00	28
4	15347	А	100.00	26
5	15582	0	100.00	23
6	16411	0	100.00	20
7	16821	А	100.00	15
8	13677	В	100.00	14
9	16568	0	100.00	13
10	12531	0	99.99	35
11	11785	А	99.99	33
12	18491	0	99.94	12
13	15282	0	99.91	26
14	12565	0	99.86	35
15	14460	0	99.71	26

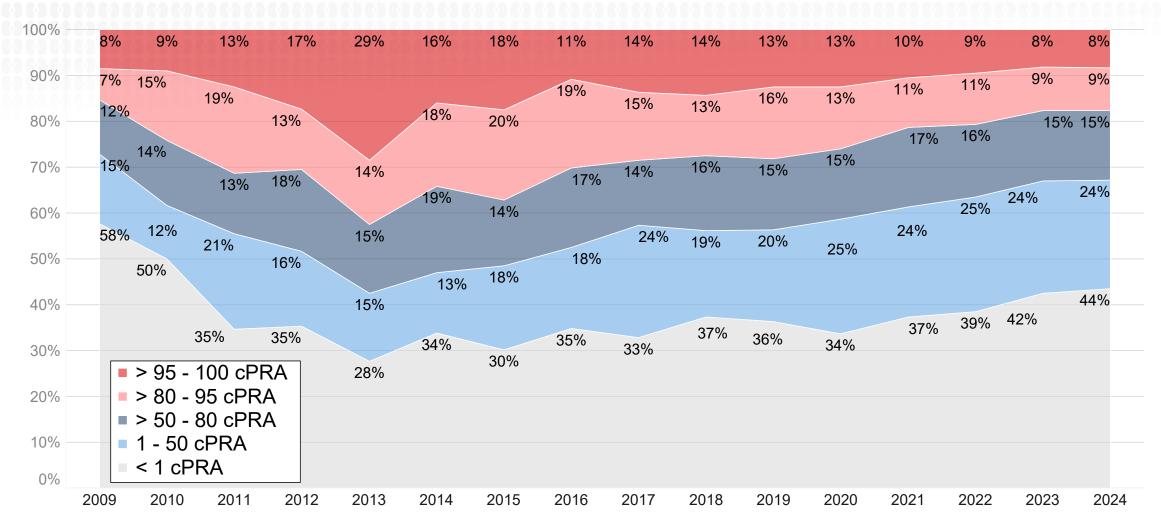
Voucher Patients

#	Patient ID	Patient ABO	cPRA	Voucher Wait Time
1	13055	0	100.00	39
2	11047	Α	100.00	36
3	13023	Α	100.00	24
4	16866	0	100.00	18
5	12707	0	100.00	17
6	17677	В	100.00	14
7	10069	А	99.99	53
8	17499	0	99.97	13
9	14955	В	99.88	18

Includes all patients on dialysis & exportable in the NKR pool with a cPRA >99.00 As of 3/31/2024



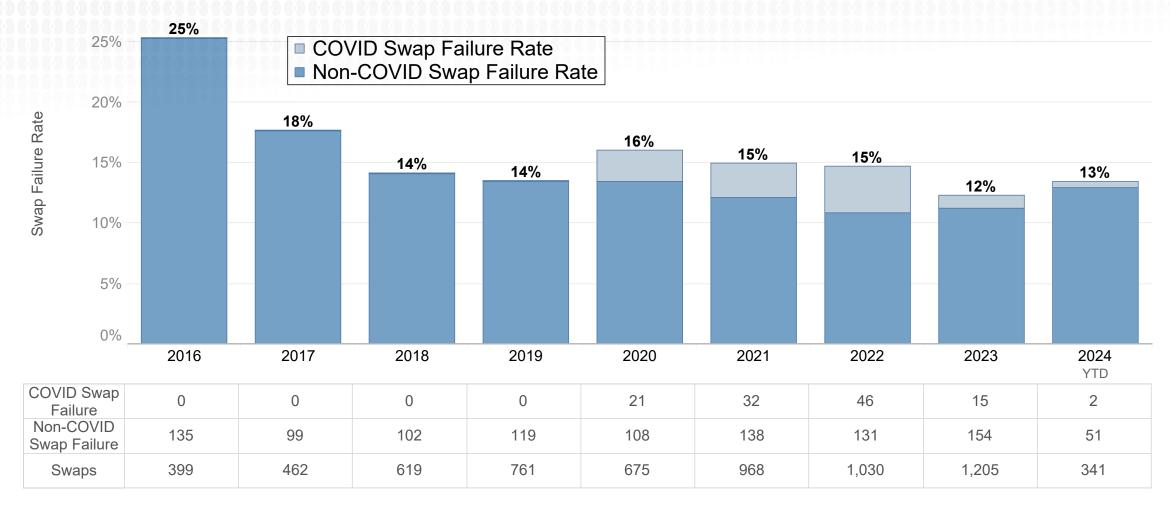
Transplanted Recipients by cPRA



Excludes all non-KPD and waitlist patient transplants. As of 3/31/2024



Swap Failure Rates

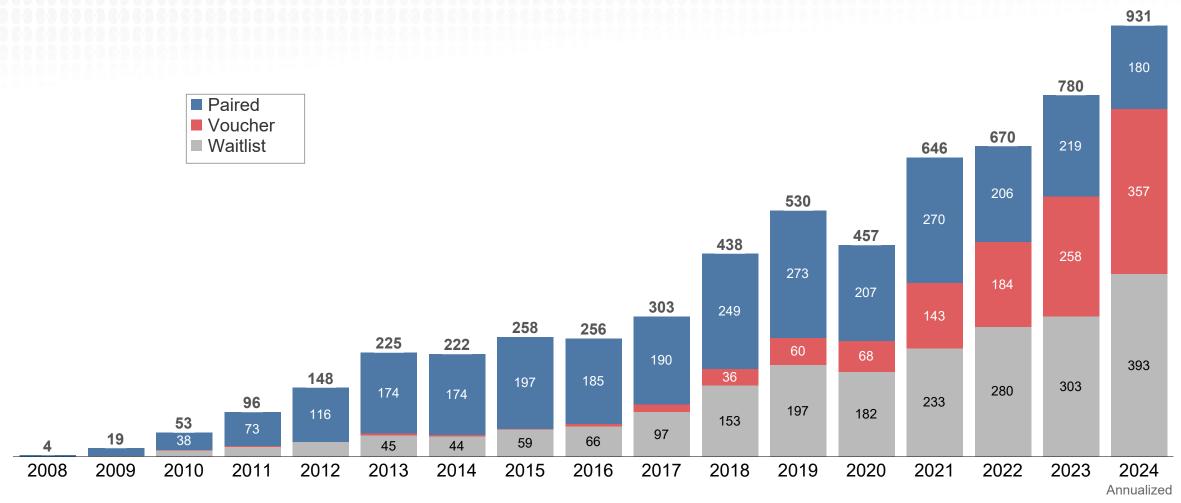


Formula: Swap Failures / Total Swaps (Successful Swaps + Failed Swaps)
Swaps exclude NKR internal direct, Kidney for Life internal direct, Kidney for Life remote direct, microsite internal direct and remote direct transplant.
As of 3/31/2024



Medicare Cost Analysis: Dialysis Patients Transplanted

The National Kidney Registry is on track to save Medicare nearly \$150 million in dialysis costs in 2024



Paired, voucher, and waitlist recipients on dialysis. As of 3/31/2024



Medicare Cost Analysis: Single-Year Dialysis Savings

The National Kidney Registry is on track to save Medicare nearly \$150 million in dialysis costs in 2024

RESULTS In 1335 hospital-years from 2012 through 2017, Medicare's share of OACC costs increased from \$0.95 billion in 2012 to \$1.32 billion in 2017 (3.7% of total Medicare End-Stage Renal Disease program expenditure). Median (IQR) OACC costs per transplantation increased from \$81 000 (\$66 000 to \$103 000) in 2012 to \$100 000 (\$82 000 to \$125 000) in 2017.

\$159,738

Inflation-Adjusted Median (IQR) OACC Costs*

X

931

\$149M

2024 NKR LD Transplants for Patients on Dialysis (Annualized) One Year Medicare Dialysis Savings

Paired, voucher, and waitlist recipients on dialysis.
*Inflation calculated from U.S. Consumer Price Index (CPI) Jan 2017–Feb 2024
As of 3/31/2024

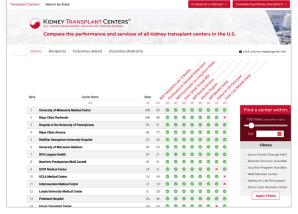
Trends in Cost Attributable to Kidney Transplantation Evaluation and Waiting List Management in the United States, 2012-2017. Xingxing S. Cheng, MD, MS; Avi Dor, PhD Et al. JAMA NetworkOpen. 2022;5(3):e221847.doi:10.1001/jamanetworkopen.2022.1847 March10, 2022



Resources









kidneyregistry.org

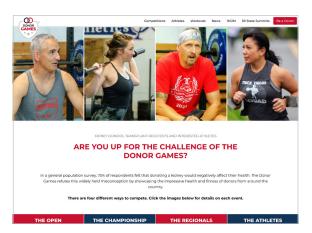
donor-shield.org

kidneytransplantcenters.org

donorcarenet.org







kidneyforlife.org

findakidney.org

livingdonorgames.org

