



NATIONAL KIDNEY REGISTRY®
FACILITATING LIVING DONOR TRANSPLANTS

Quarterly Report

Q4 2022

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Message from the Founder & CEO



The NKR achieved a significant milestone in 2022, facilitating one out of every five living donor kidney transplants in the United States. While living donor kidney transplants in the U.S. dropped by 2%, NKR-facilitated transplants increased by 10%, to 1,164.

The NKR supported and protected approximately 1,700 living kidney donors in 2022 through our Donor Shield product, which equates to 29% of all living kidney donors in the United States. We will not be satisfied until 100% of living donors in the United States are provided with comprehensive support and protections.

In 2022 we saw 127 Microsite patients receive a living donor transplant. The Microsite program, which matches waitlist patients with experienced donor search coaches and helps them set up a website, has achieved a 20% success rate. This remarkable success rate is primarily driven by our four full-time professional donor search coaches and ongoing Microsite software enhancements.

We continue to optimize our donor referral system, which resulted in a 35% increase in highly qualified donor referrals in 2022. Donations from NKR referrals nearly doubled, driven by increasing referral volume and higher conversion rates. NKR donor referral conversion rates increased from 8.8% in 2021 to 11.4% in 2022, driven primarily by the full-year effects of Donor Connect (which provides living donor mentors to donor candidates) as well as the development and adoption of donor intake best practices by many of our Member Centers.

Sincerely,

A handwritten signature in blue ink, appearing to read 'G. Hil'.

Gareth Hil

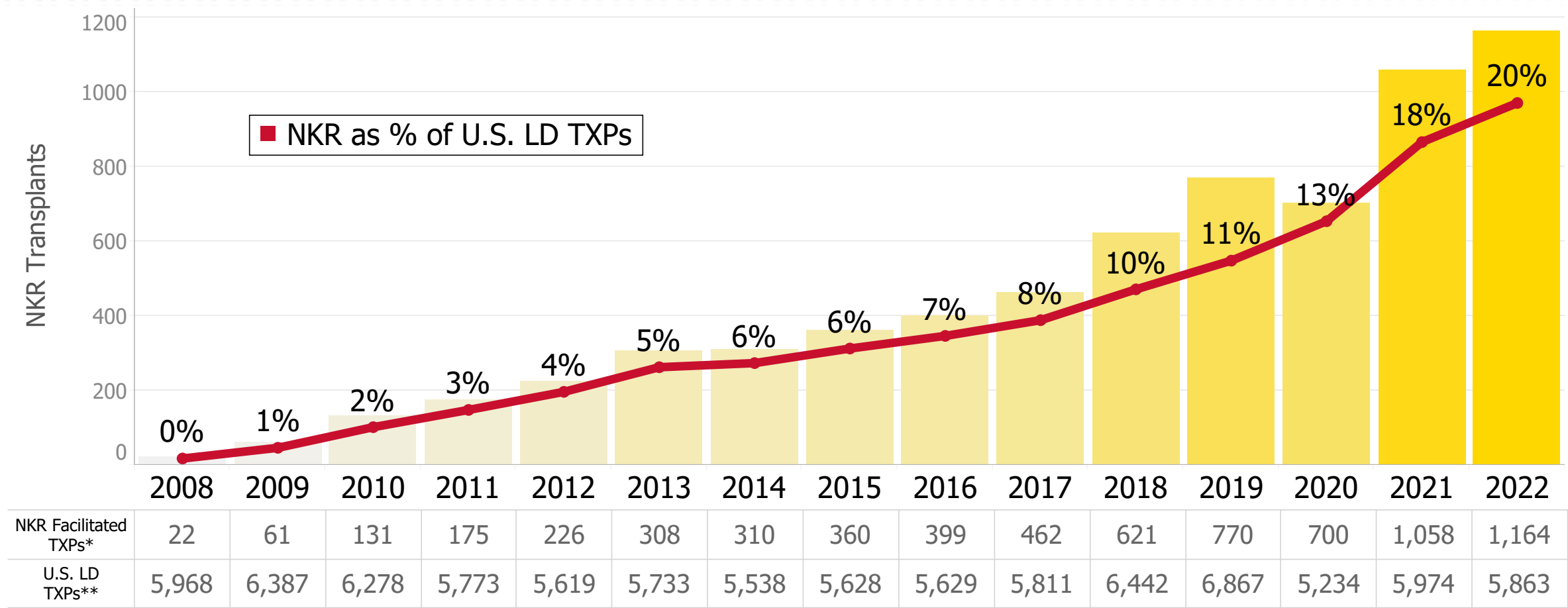
Founder & CEO

National Kidney Registry

Living Kidney Donor



NKR Facilitated Transplant Growth



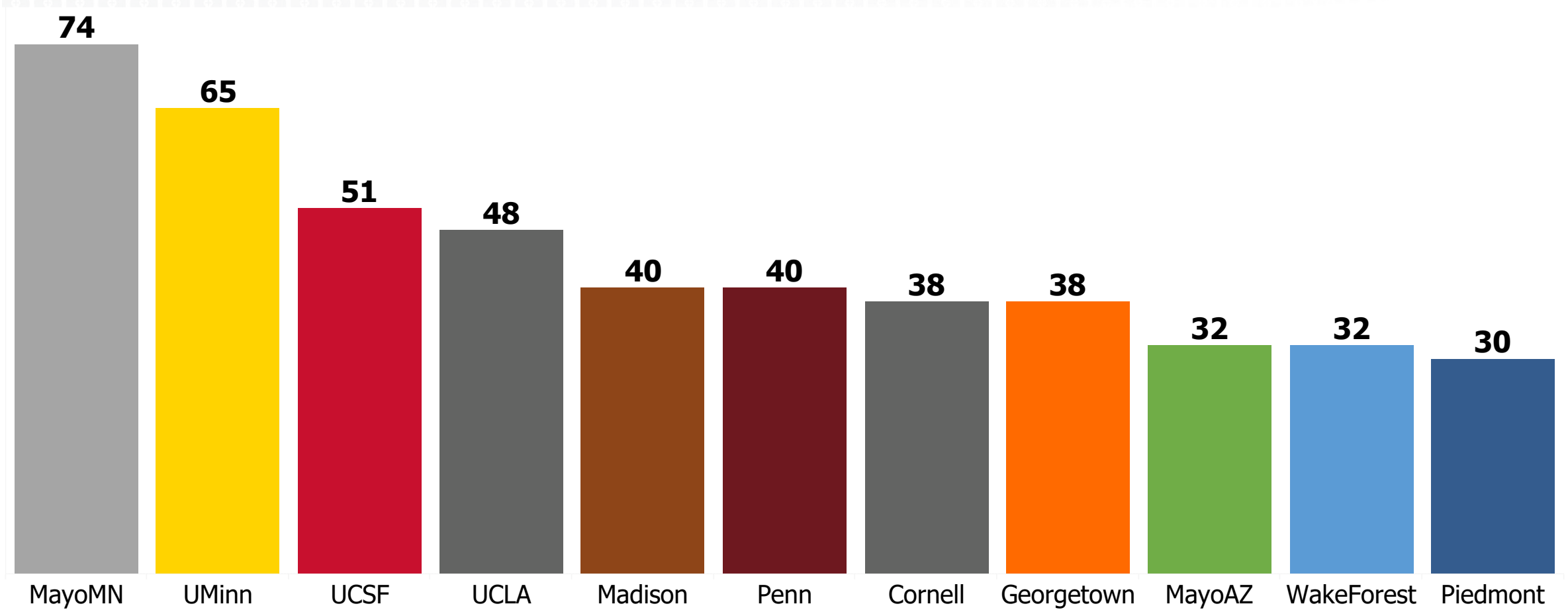
*NKR facilitated transplants (TXPs) include voucher, paired, remote directs, Kidney for Life remote directs, microsite internal direct, and waitlist patient transplants. Total transplants subject to change due to delayed reporting of microsite transplants.

**<https://optn.transplant.hrsa.gov/data/> U.S. Living Donor (LD) Transplants Performed: 1/1/2008–12/31/2022, Based on OPTN data as of 1/19/2023; NKR Database accessed 1/19/2023.



Top Centers

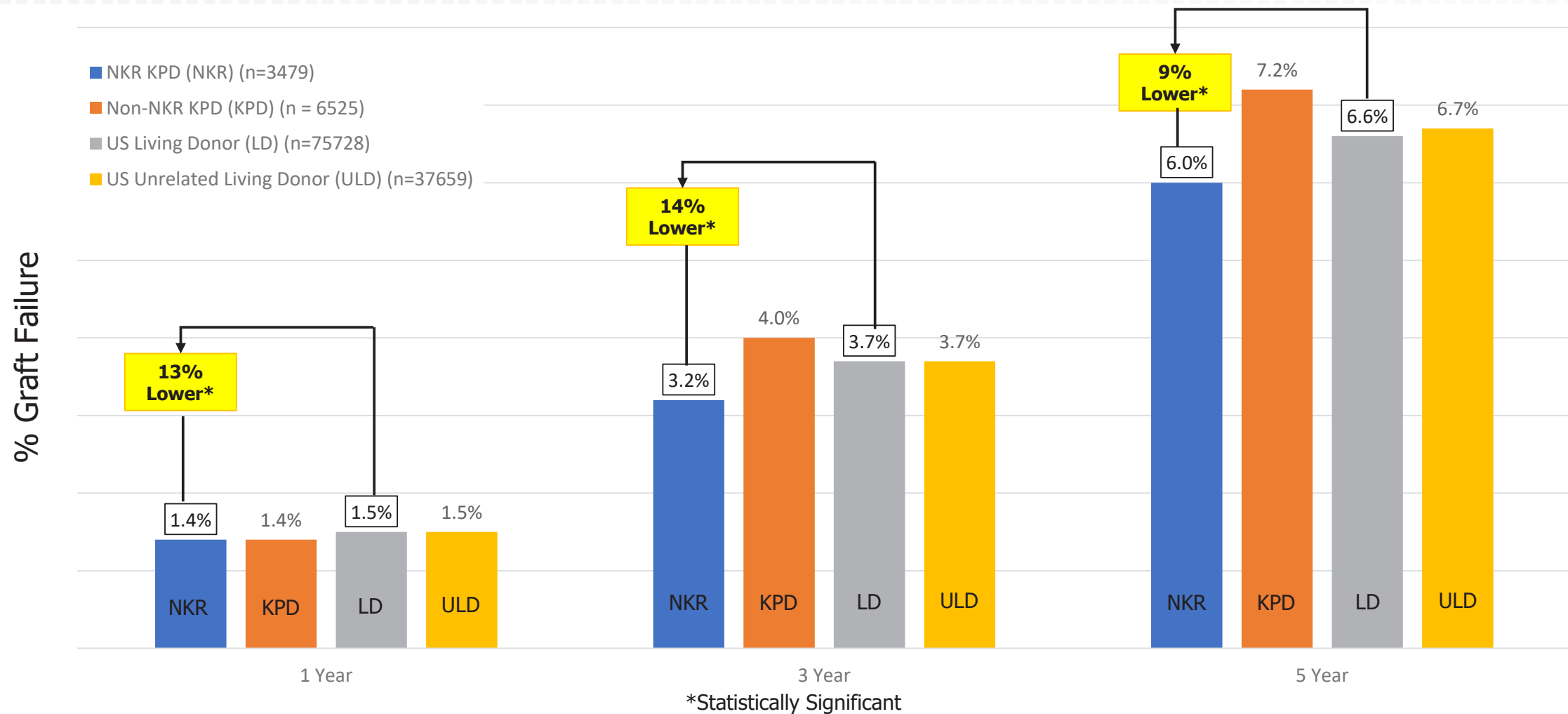
NKR Facilitated Transplants 1/1/2022 – 12/31/2022



NKR facilitated transplants include voucher, paired, remote directs, Kidney for Life remote directs, microsite direct transplants, and waitlist patient transplants.



Death Censored Graft Failure Comparisons

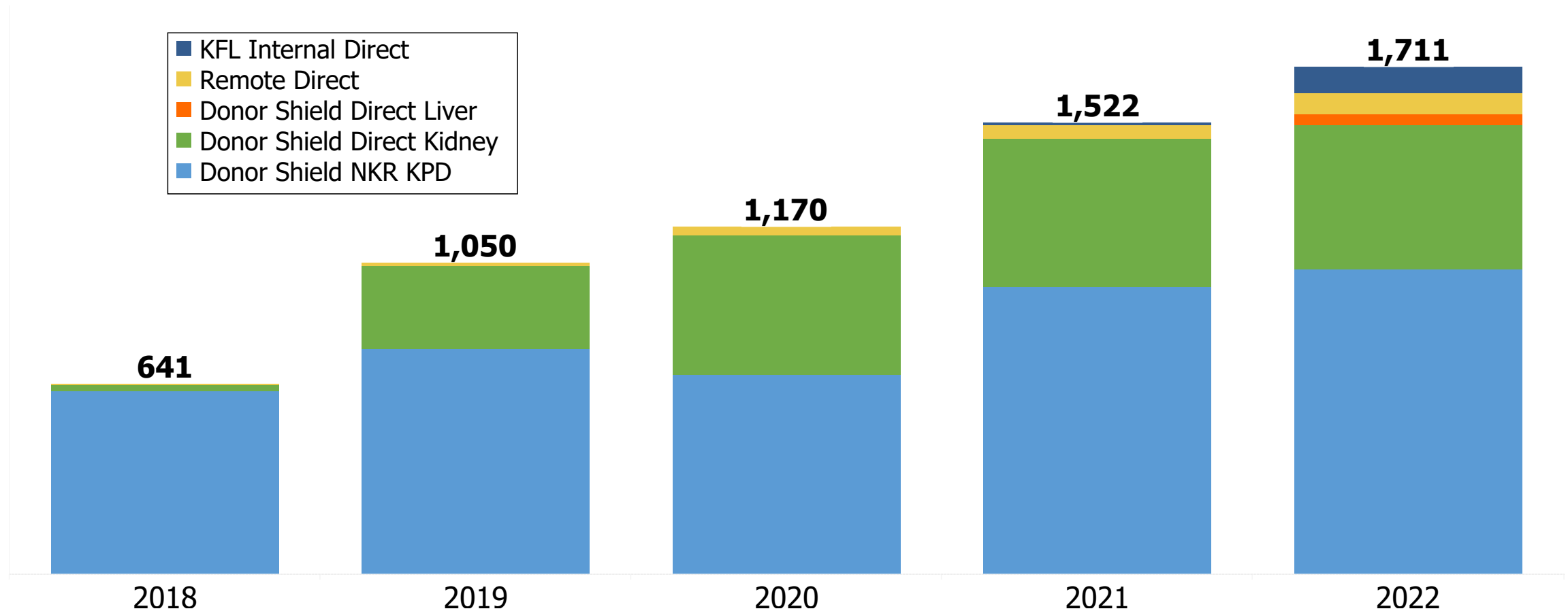


Provided courtesy of NYU Grossman School of Medicine, Department of Surgery *Not including waitlist patients;
Kaplan-Meier GS Rates for Transplants Performed: 02/2008-12/2021 with follow-up through 3/31/2022
<https://www.srtr.org/> SRTR data as of June 2022.



Living Donors Supported and Protected

By Donor Type

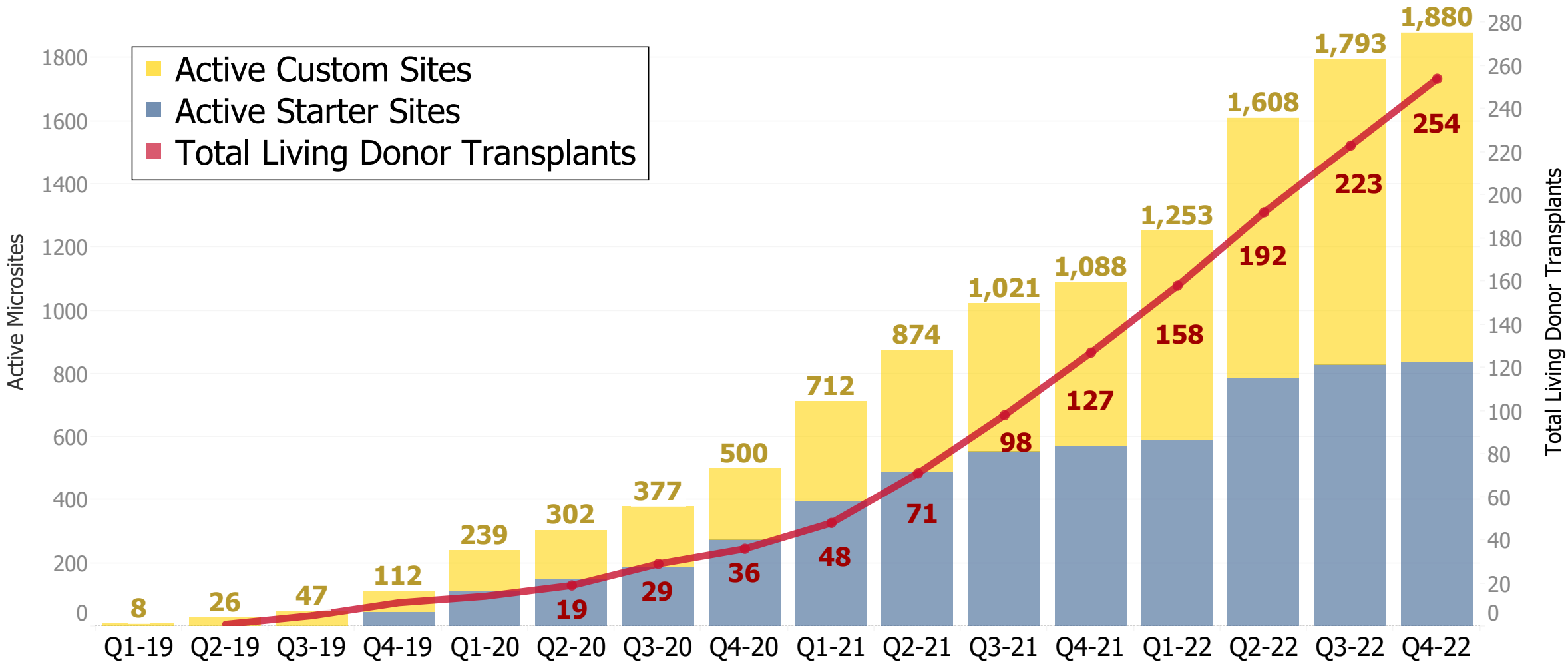


As of 1/1/2023

To learn more about the Donor Shield protections [click here](#).



Microsite Growth

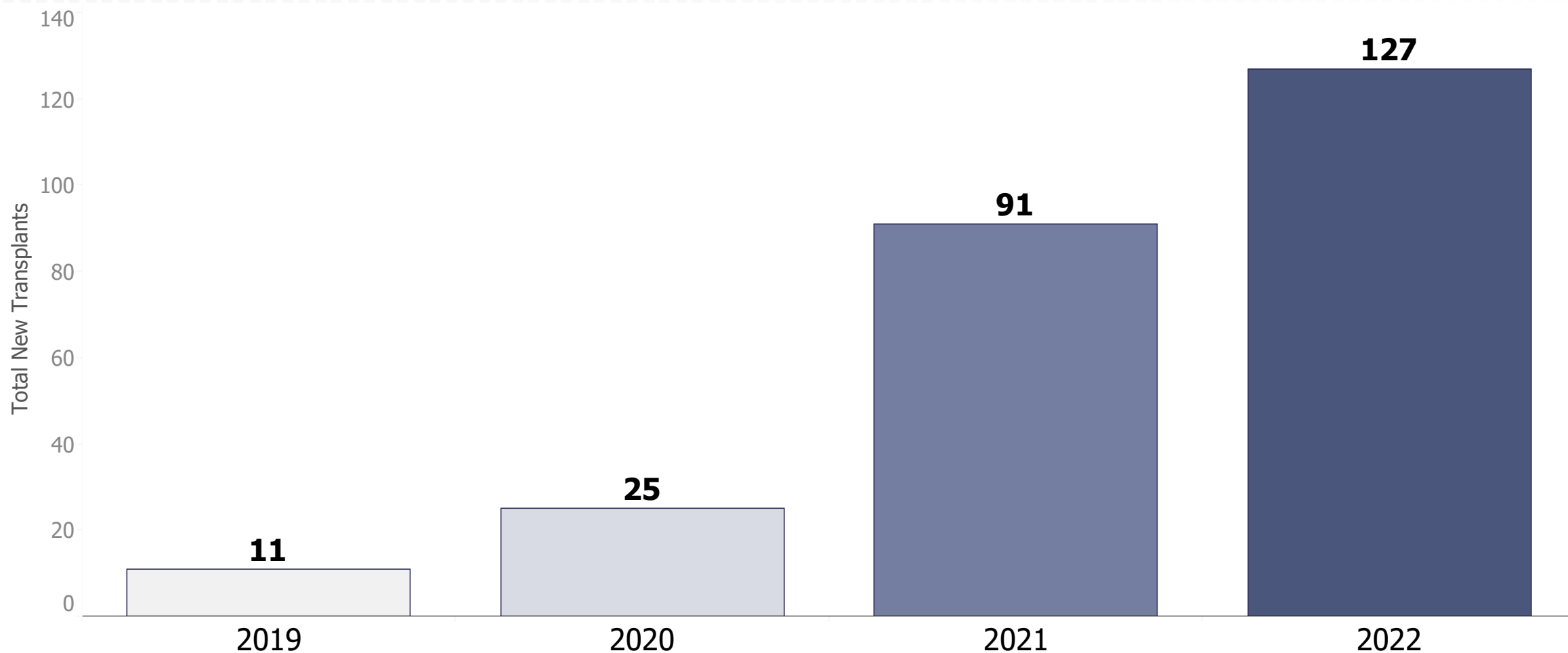


As of 1/19/2023
To learn more about the microsite program [click here](#).



Microsite Patients Receiving Living Donor Transplants

Total New Transplants for Microsite Patients is Increasing Every Year

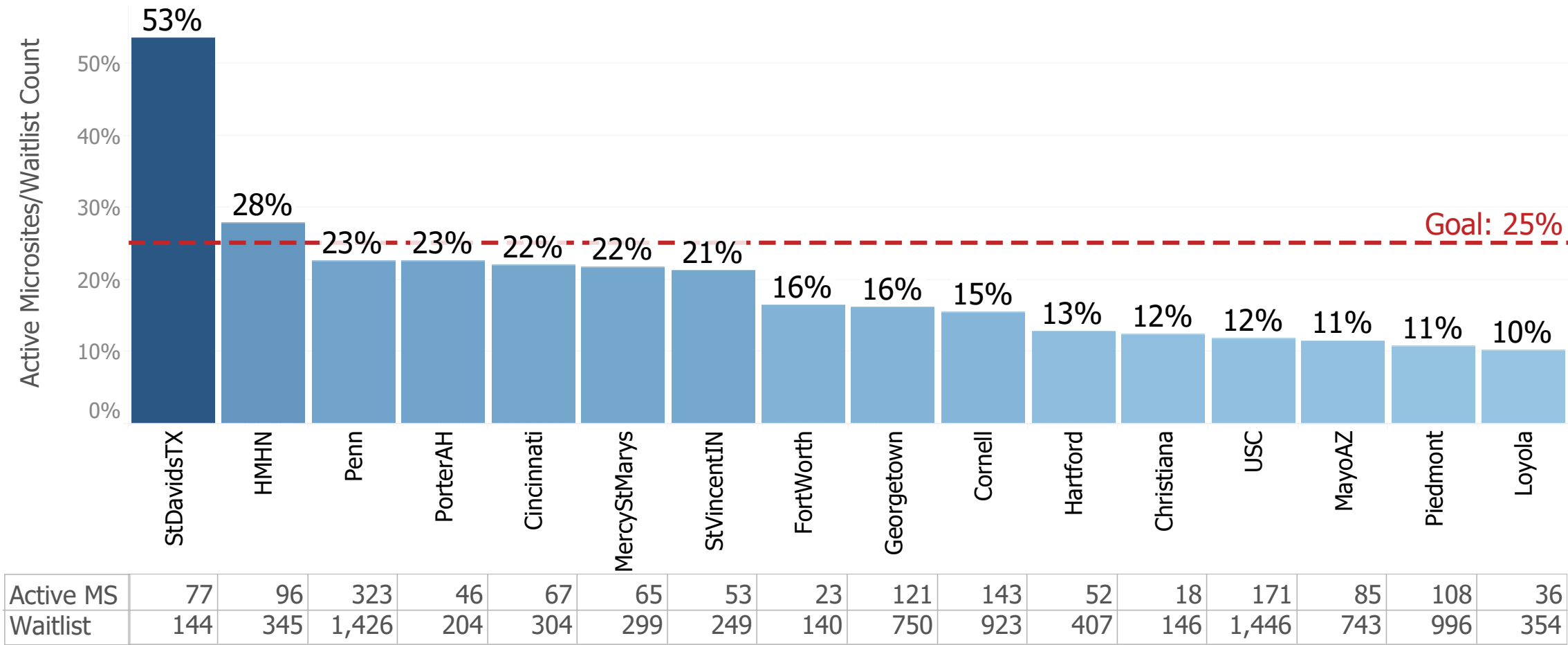


As of 1/11/2023
2022 under-reported due to delay in centers reporting.



Microsite Enrollment Success

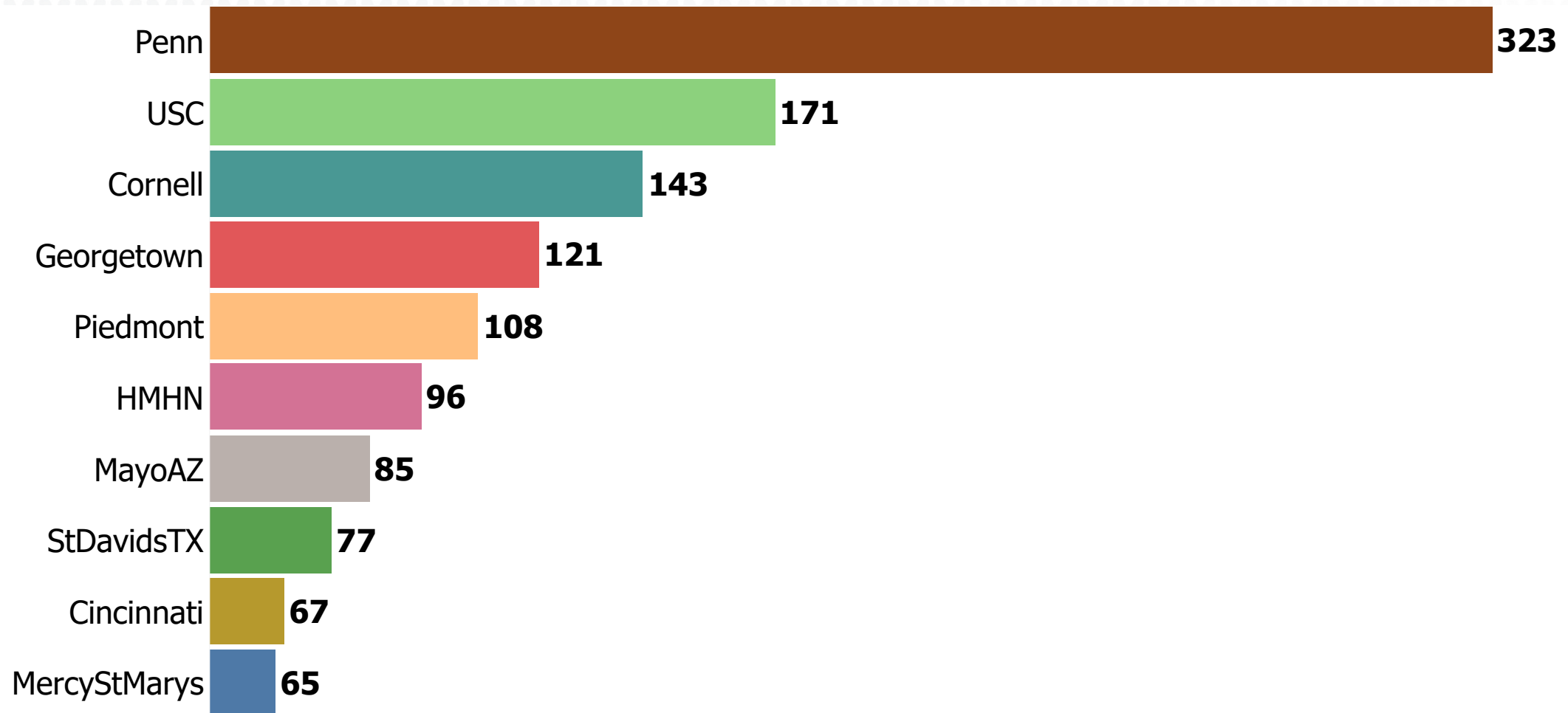
Percentage of Waitlist Patients with Microsites



As of 1/23/2023
Formula: Active Microsites / Total Waitlist. Minimum 10%



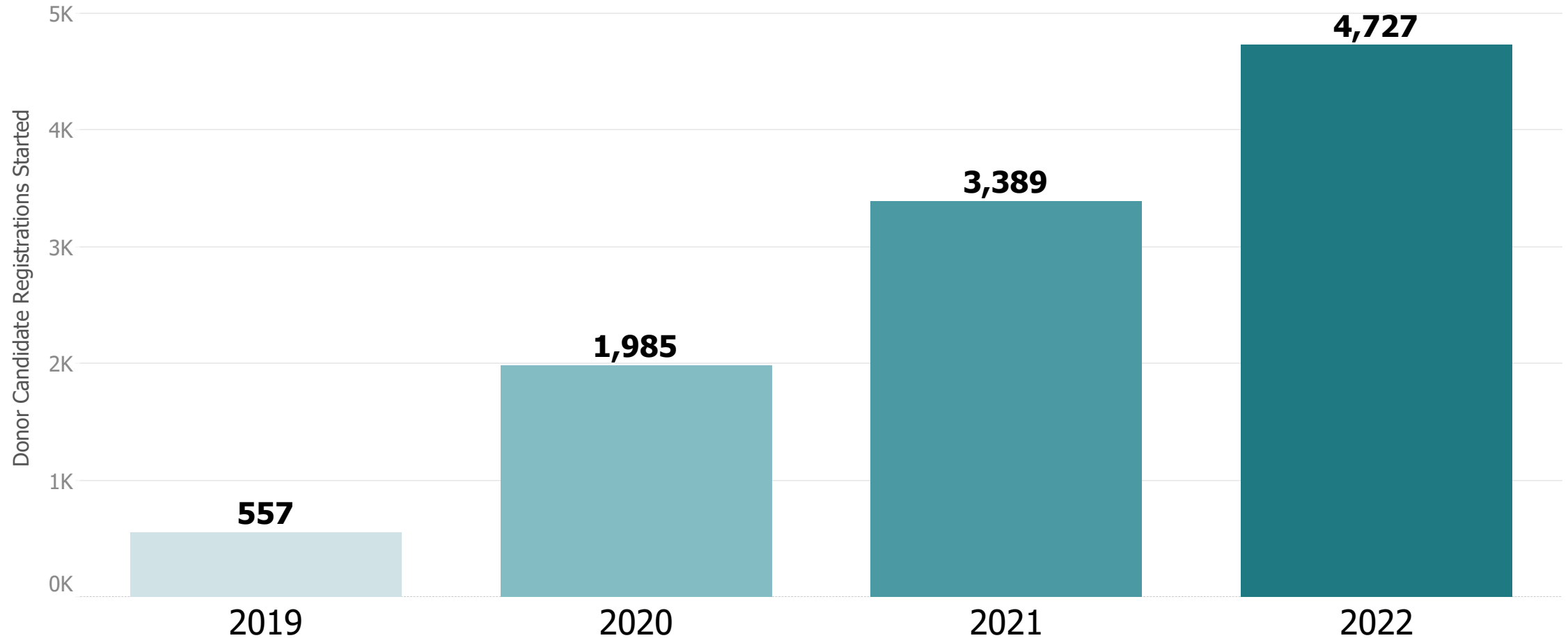
Top Centers: Most Active Microsites



As of 12/31/2022



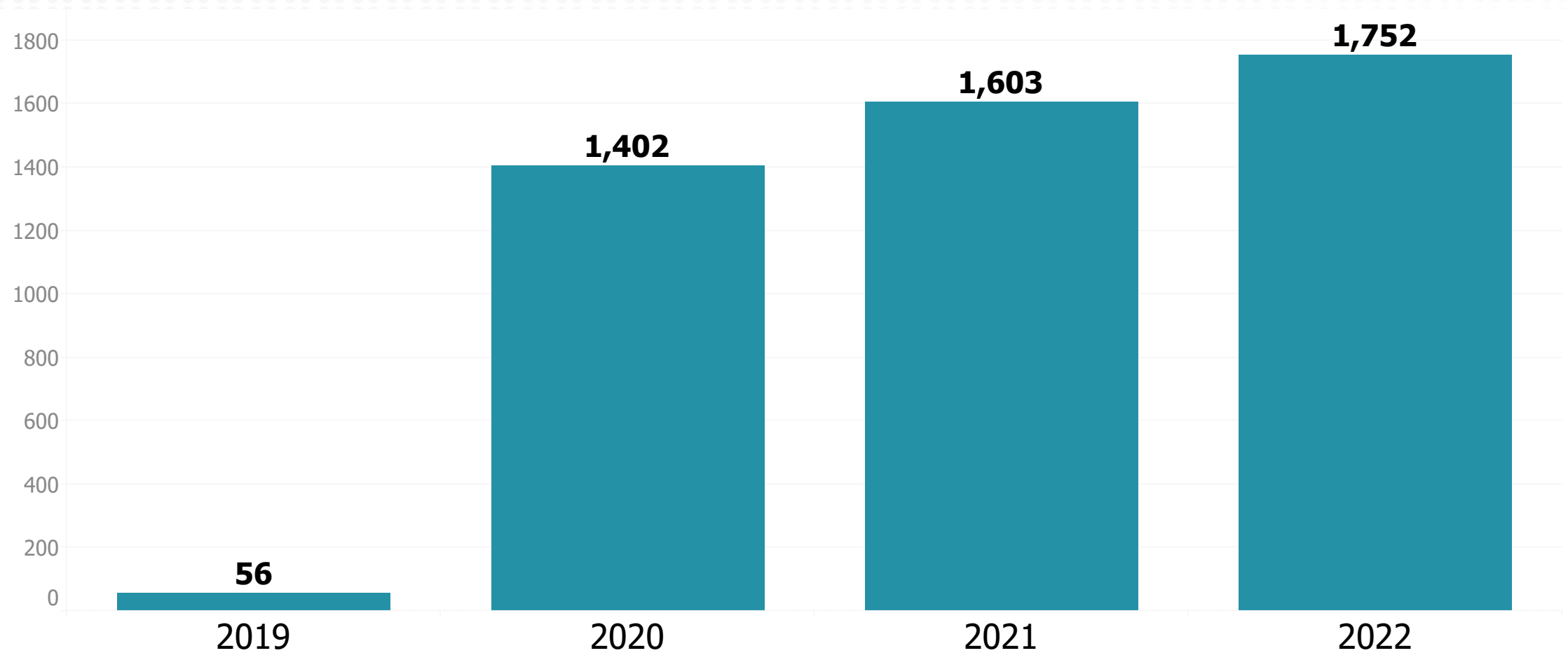
Microsite Donor Registrations



As of 1/1/2023
To learn more about the microsite program [click here](#).



Microsite Patient Referrals



As of 1/19/2023

To learn more about the microsite program [click here](#).



Microsite Centers

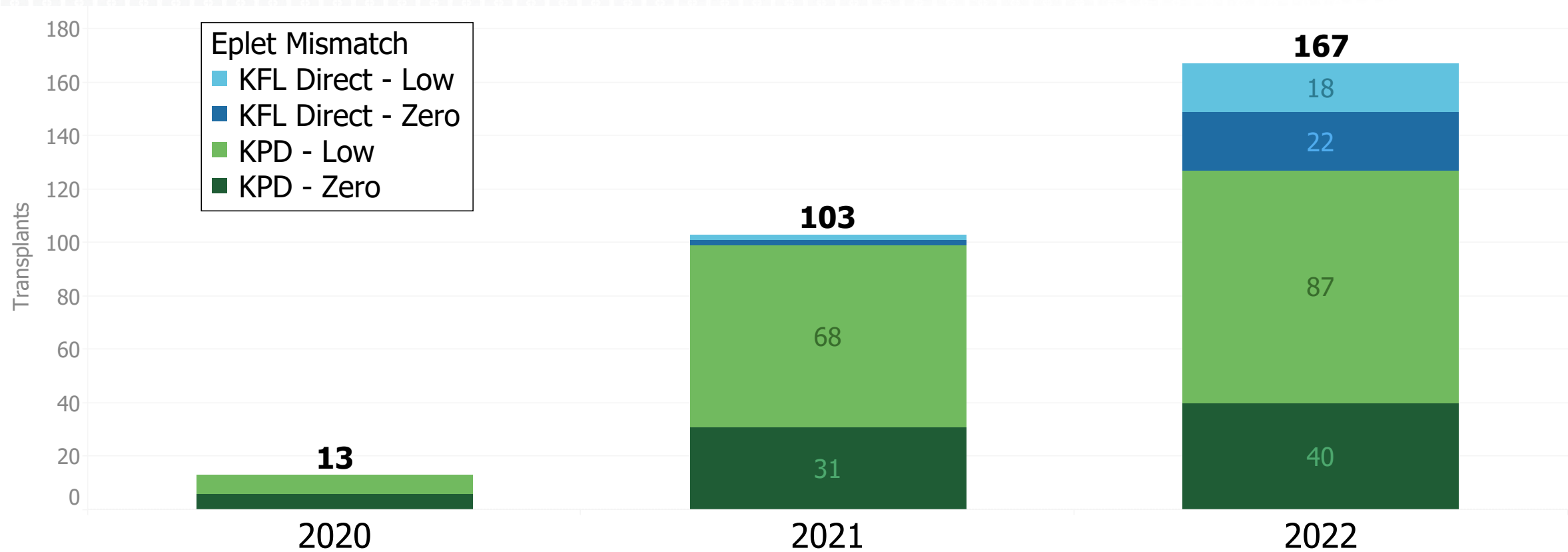


As of 1/27/2023
To see the latest microsite participating centers [click here](#).



Kidney for Life Low Eplet Mismatch Transplants

Compatible and Incompatible Pairs

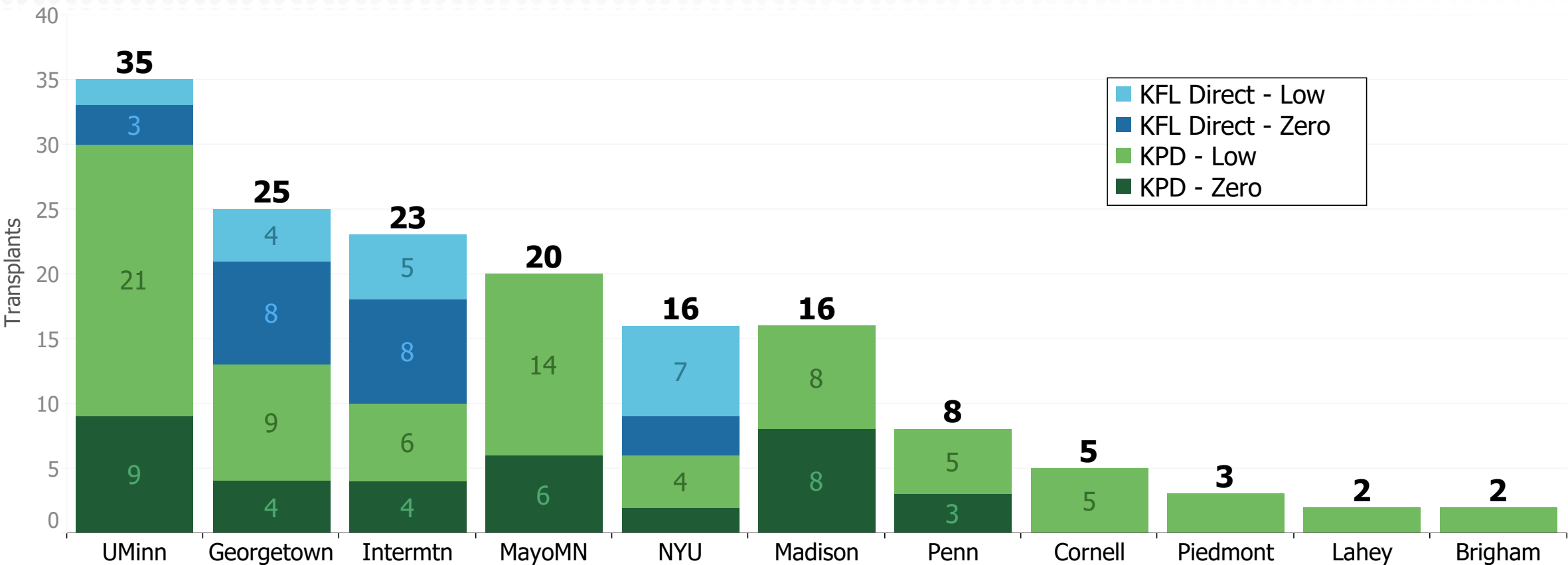


As of 1/1/2023
Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. <https://doi.org/10.1111/ajt.15177>
To learn more about the Kidney for Life program [click here](#).



Kidney for Life Low Eplet Mismatch Transplants

Compatible and Incompatible Pairs by Center 1/1/2022 – 12/31/2022

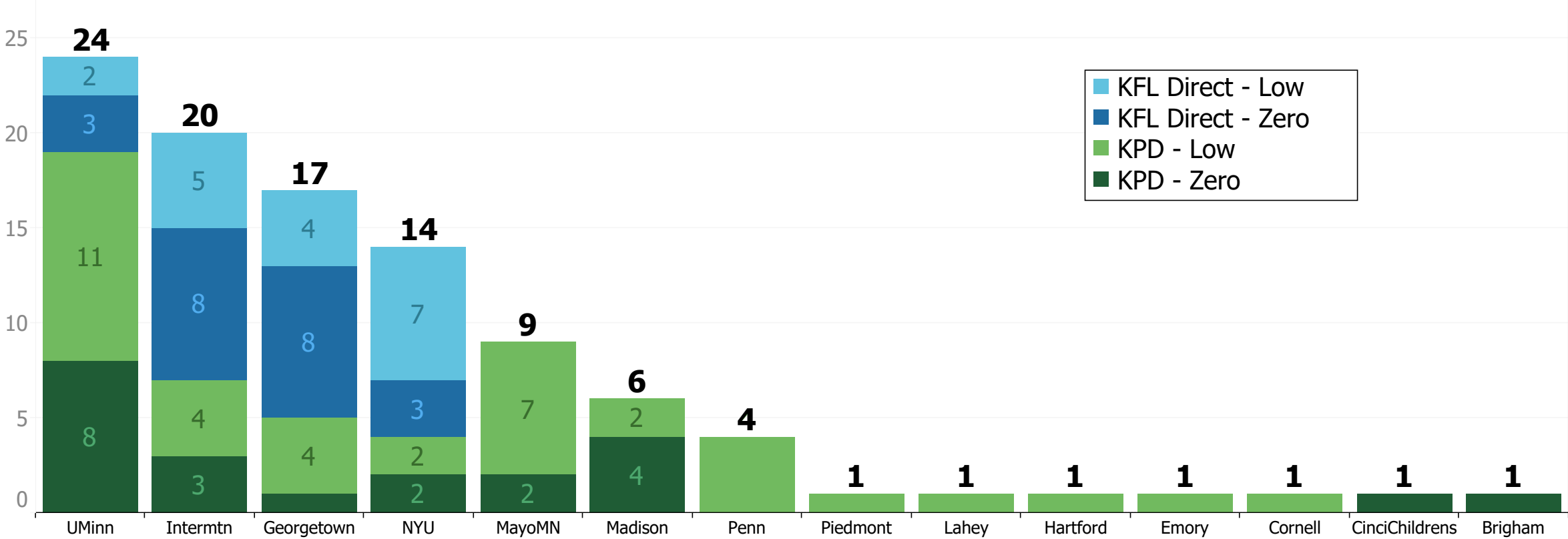


As of 1/1/2023
Minimum 2 Transplants.
Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. <https://doi.org/10.1111/ajt.15177>
To learn more about the Kidney for Life program [click here](#).



Kidney for Life Low Eplet Mismatch Transplants

Compatible Pairs 1/1/2022 – 12/31/2022

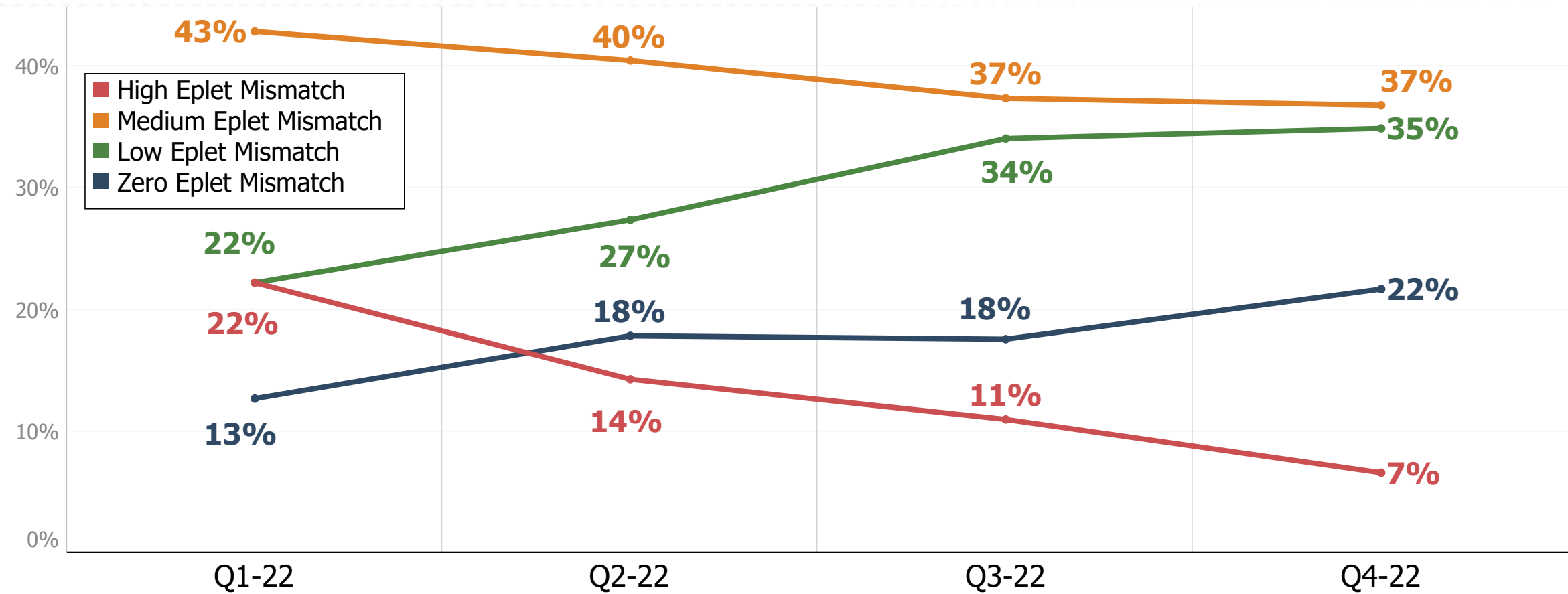


As of 1/1/2023
Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. <https://doi.org/10.1111/ajt.15177>
To learn more about the Kidney for Life program [click here](#).



Percentage of Transplants with Eplet Mismatch Data

Continually Improving Low & Zero Eplet Mismatch Percentage

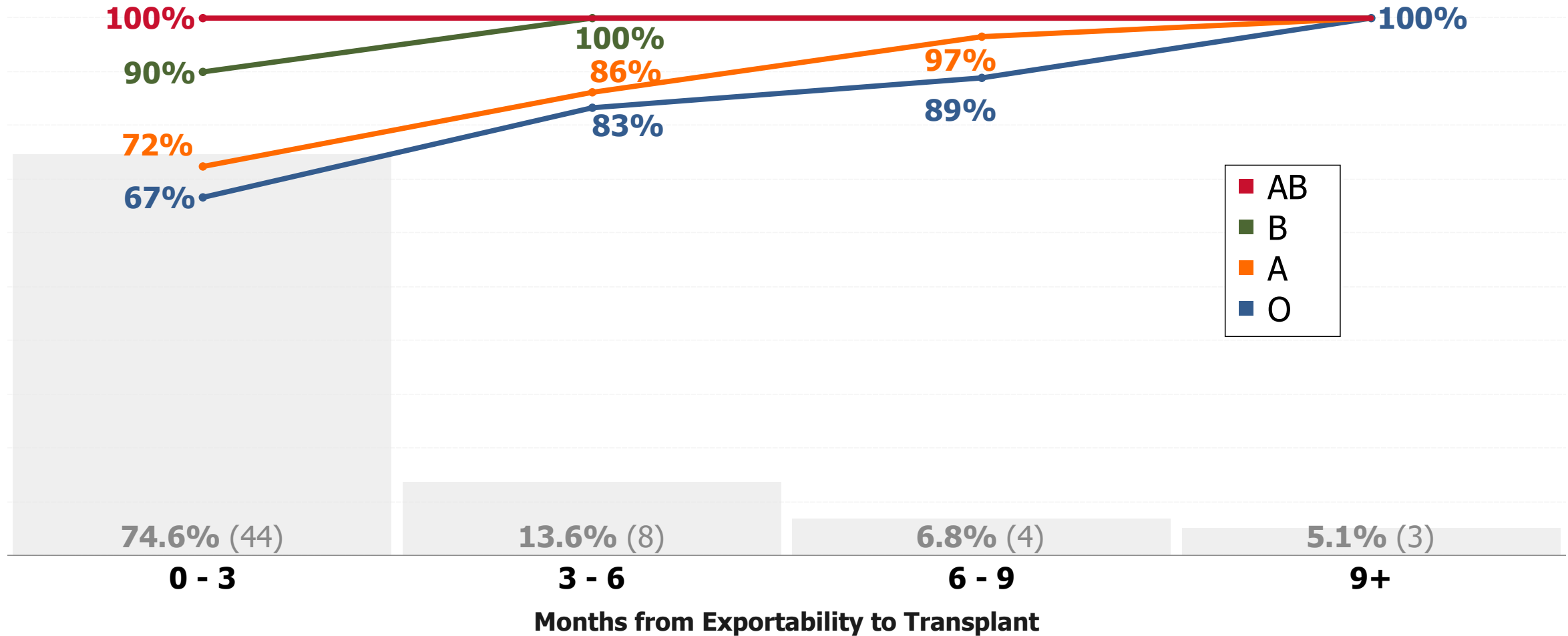


As of 1/4/2023
Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. <https://doi.org/10.1111/ajt.15177>
To learn more about the Kidney for Life program [click here](#).



Actual Wait Times to Transplant

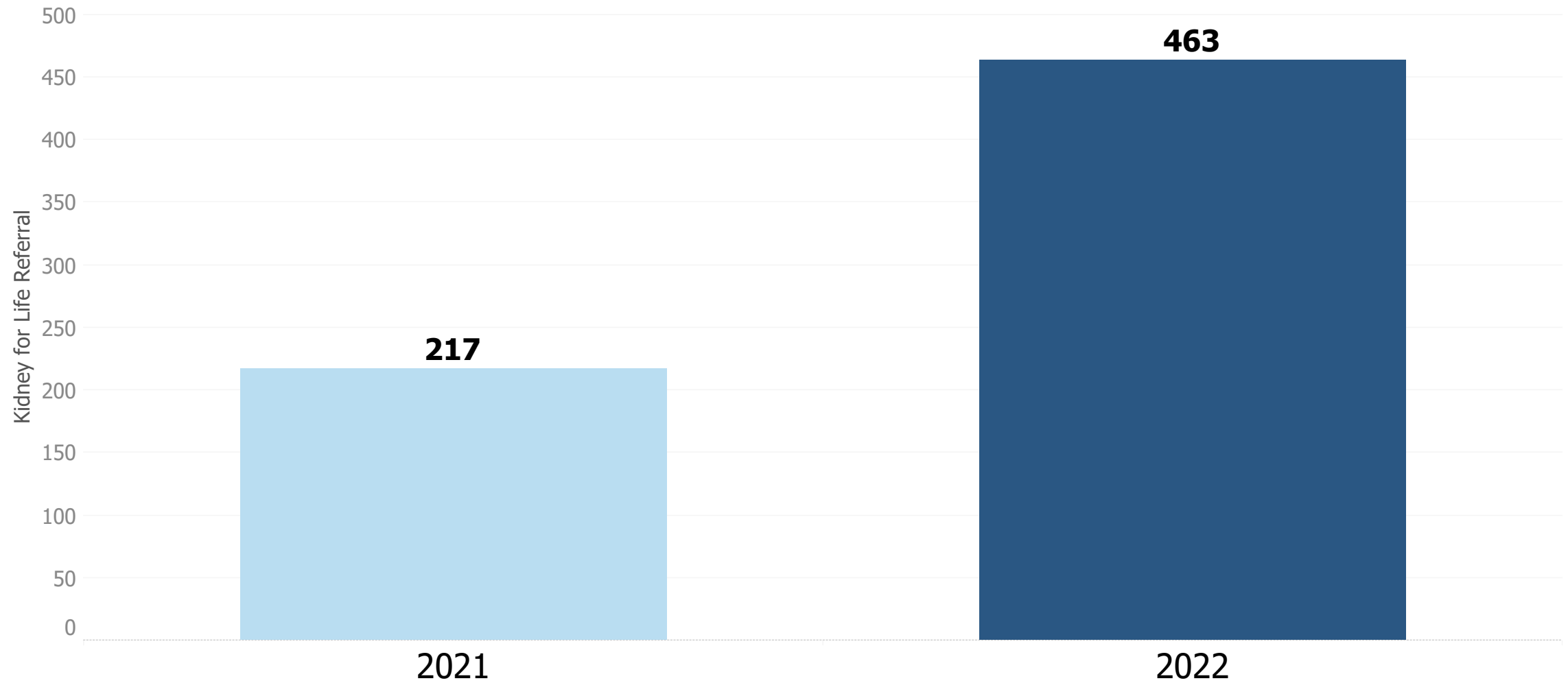
Compatible Pairs who Received a Low Eplet Mismatch Transplant



As of 1/1/2023
Data for all of 2022.
cPRA ≤ 99



Kidney for Life Patient Referrals



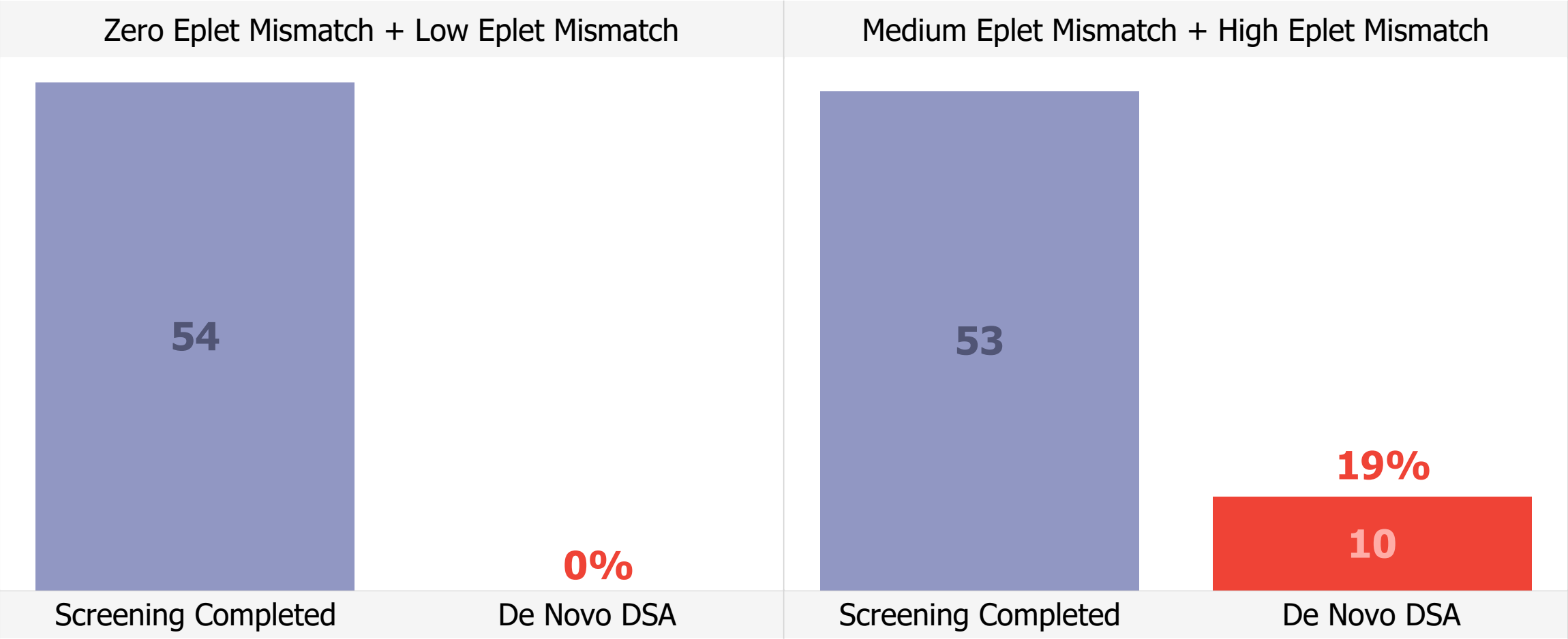
As of 1/19/2023

To learn more about the Kidney for Life program [click here](#).



Kidney for Life Results

One Year Antibody Screening



As of 1/16/2023



Kidney for Life Centers



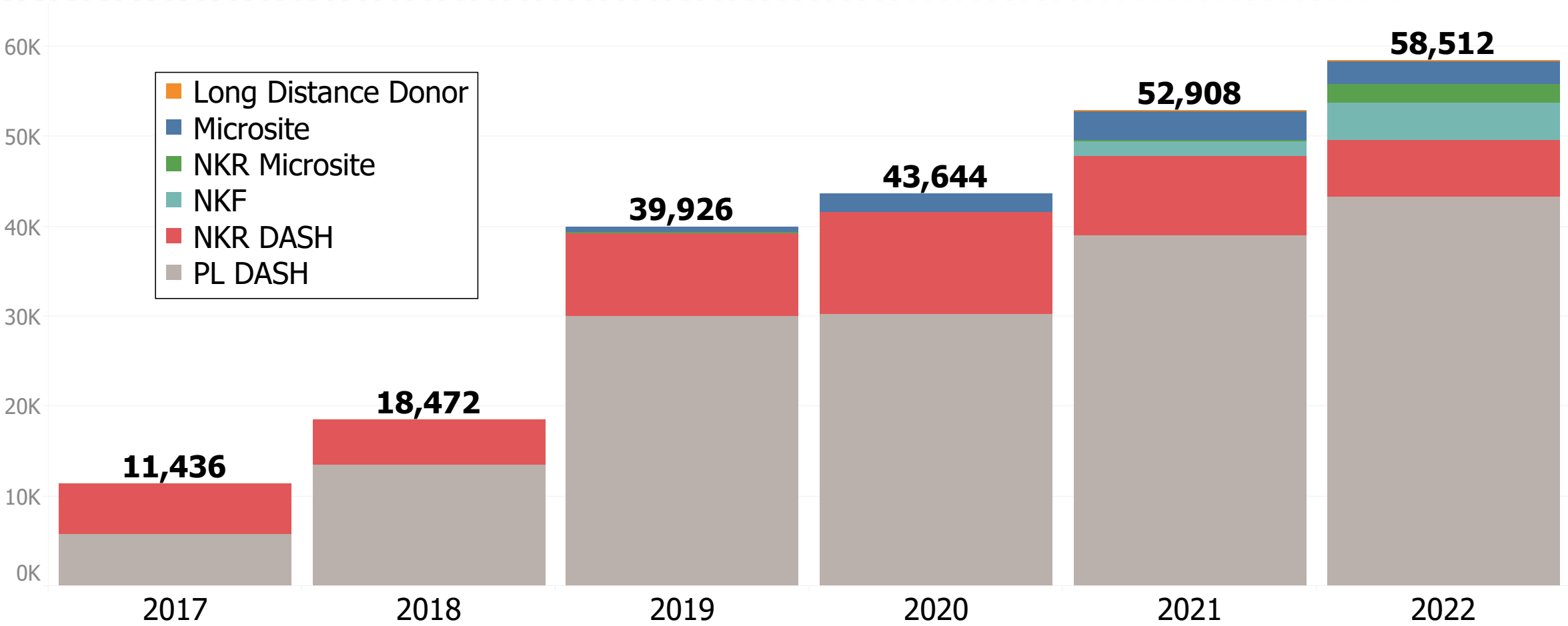
As of 1/27/2023

To see the latest Kidney for Life participating centers [click here](#).



Donor Registration Type

Across All DASH Intake Platforms

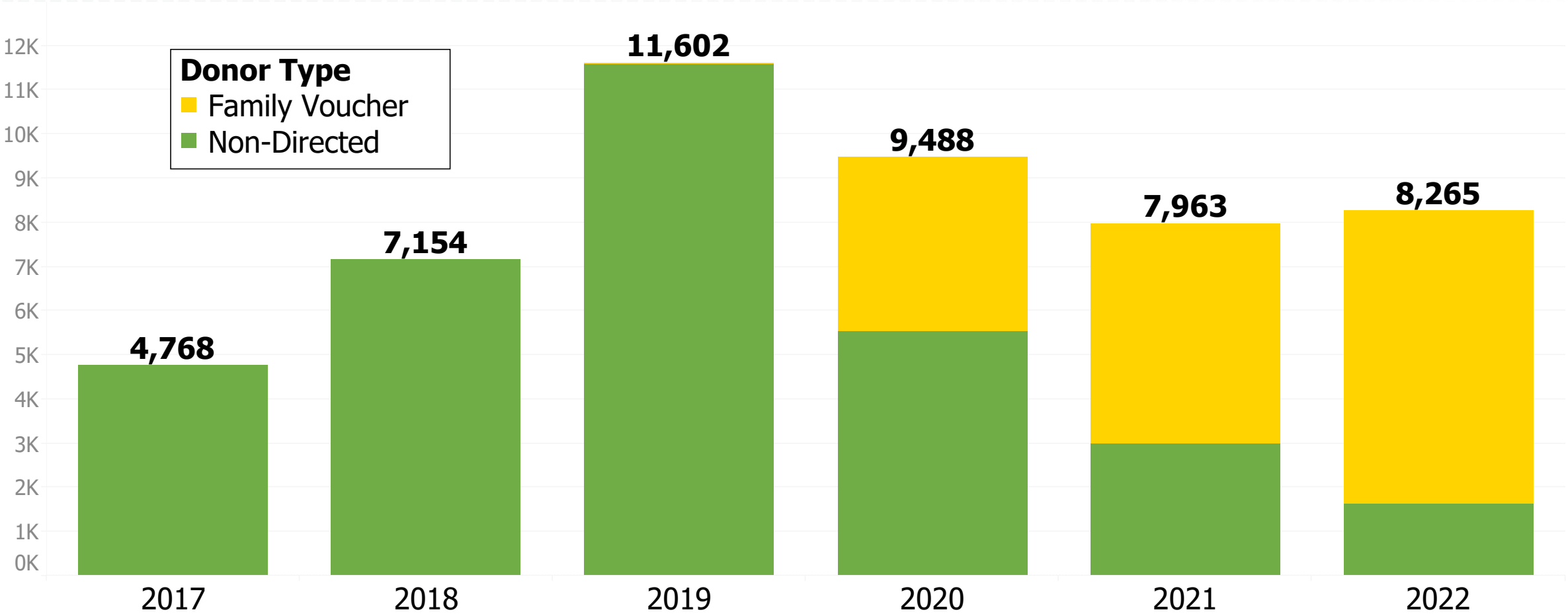


As of 1/19/2023
To learn more about DASH, the Donor Automated Screening and History system [click here](#).



Good Samaritan Donor Candidate Registrations

Across All DASH Intake Platforms



As of 1/19/2023

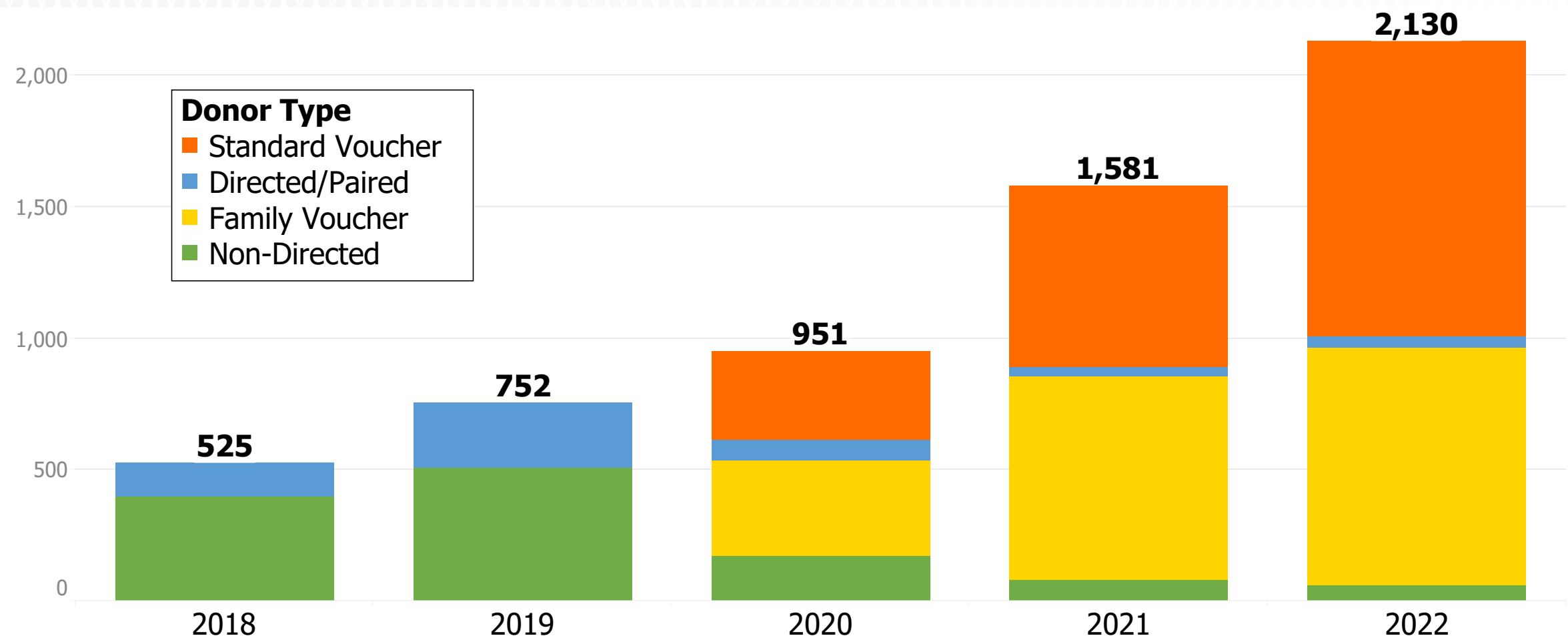
Includes Liver & Kidney.

To learn more about DASH, the Donor Automated Screening and History system [click here](#).



NKR Qualified Donor Referrals

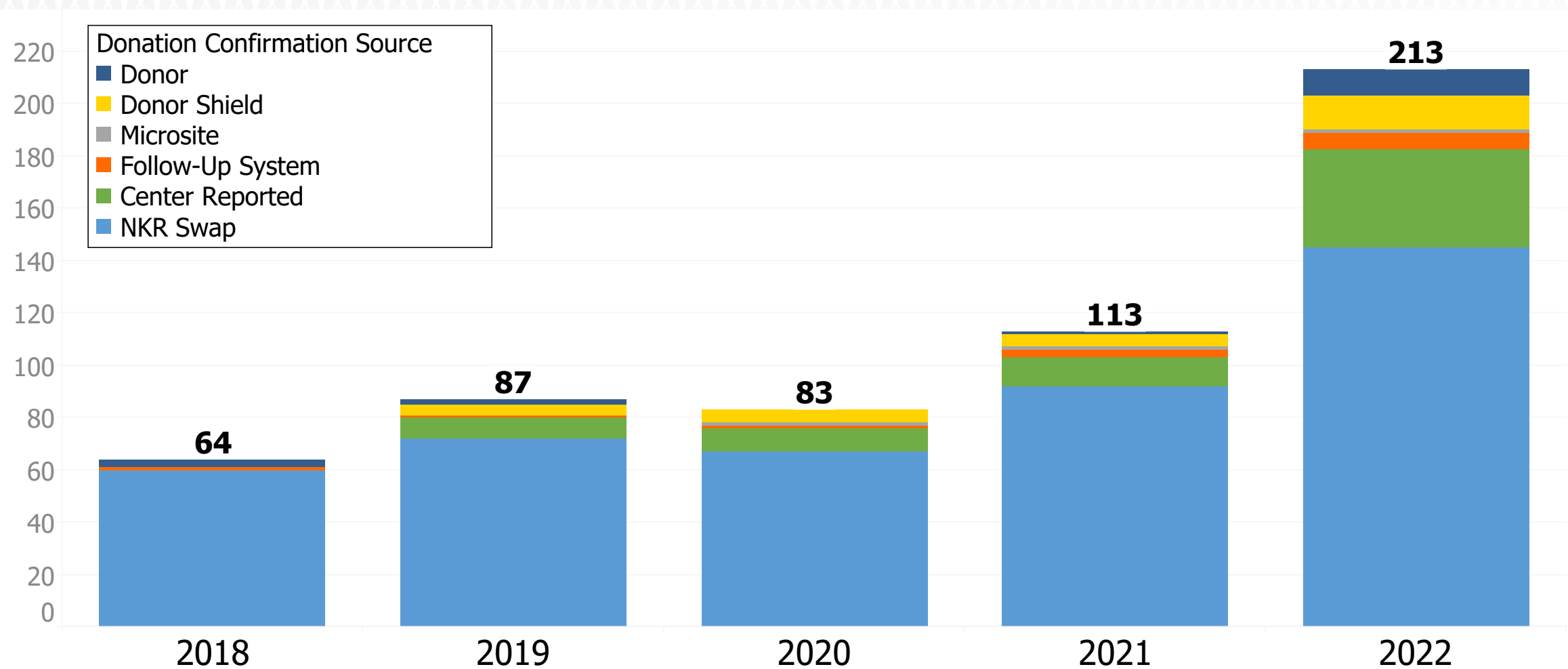
Referred to NKR Member Centers



As of 1/19/2023
Includes donor registrants from all NK R websites.



Donations Resulting from NKR Donor Referrals

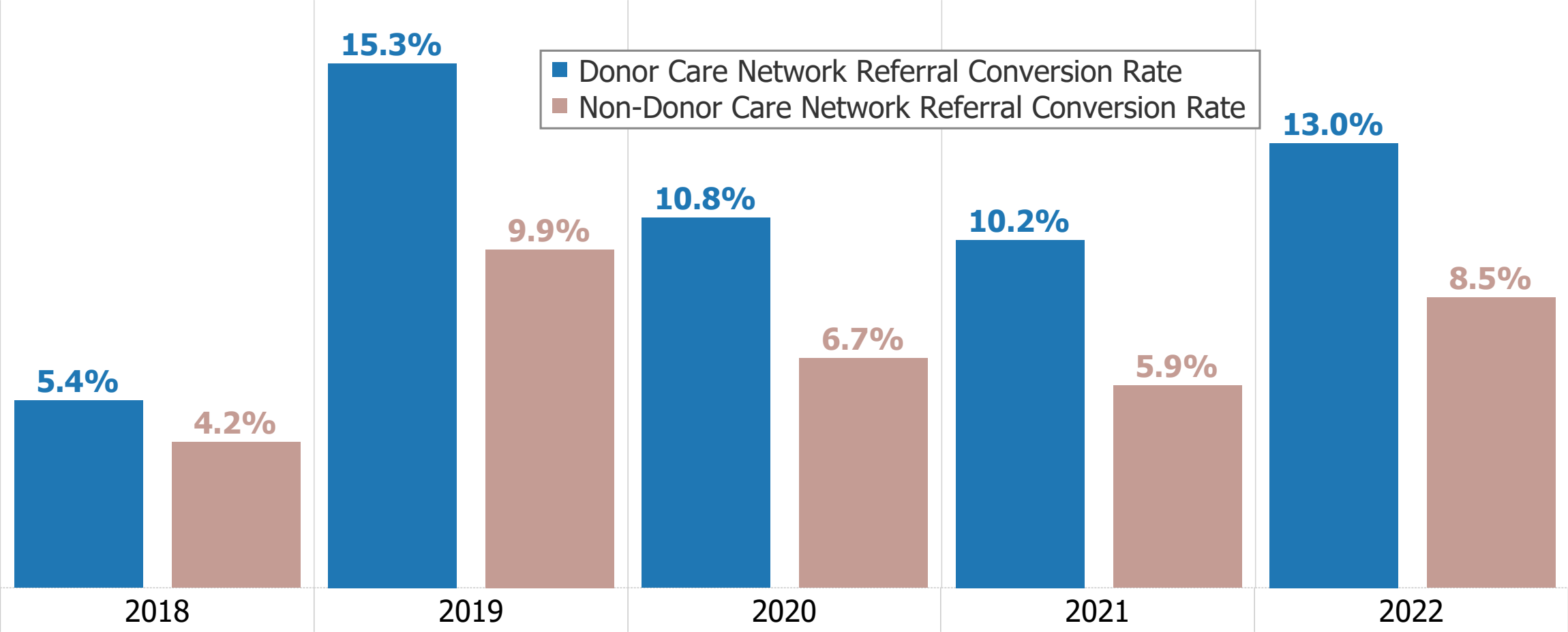


As of 1/19/2023
Includes donor registrants from all NKR websites.
To avoid lag-effect, the chart counts donation date which does not reflect the date the donor registered.



NKR Qualified Donor Referrals

Donations Divided by Average Referrals

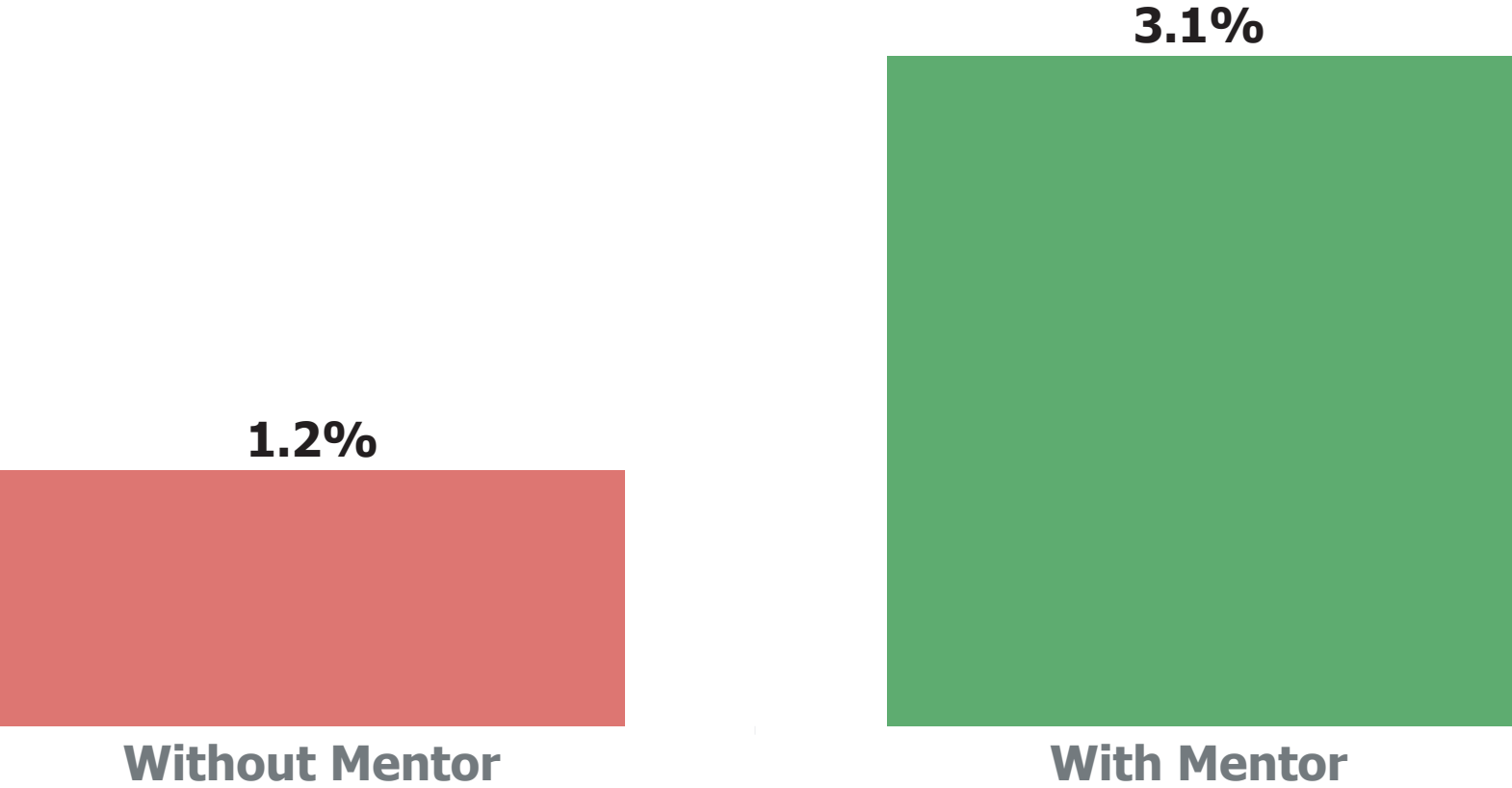


As of 1/15/2023

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



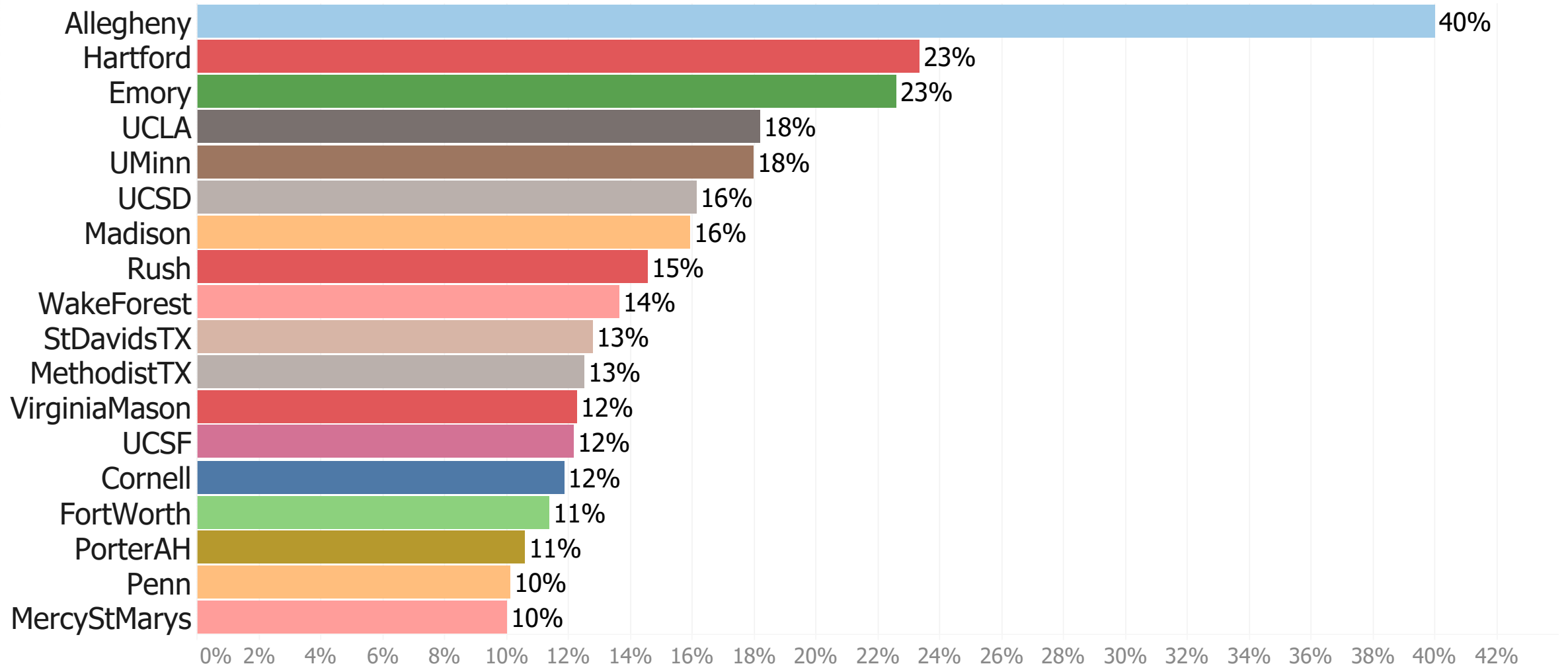
Higher Conversion Rates with Donor Connect



As of 1/16/2023
Donor Registration Conversion Rate = Donations / Average Registrations (2022 Registrations + 2021 Registrations / 2)
PL DASH Donation data for all centers in 2022 (1/1/2022 - 12/31/2022).



Top Centers: NKR Donor Referral Conversion Rates

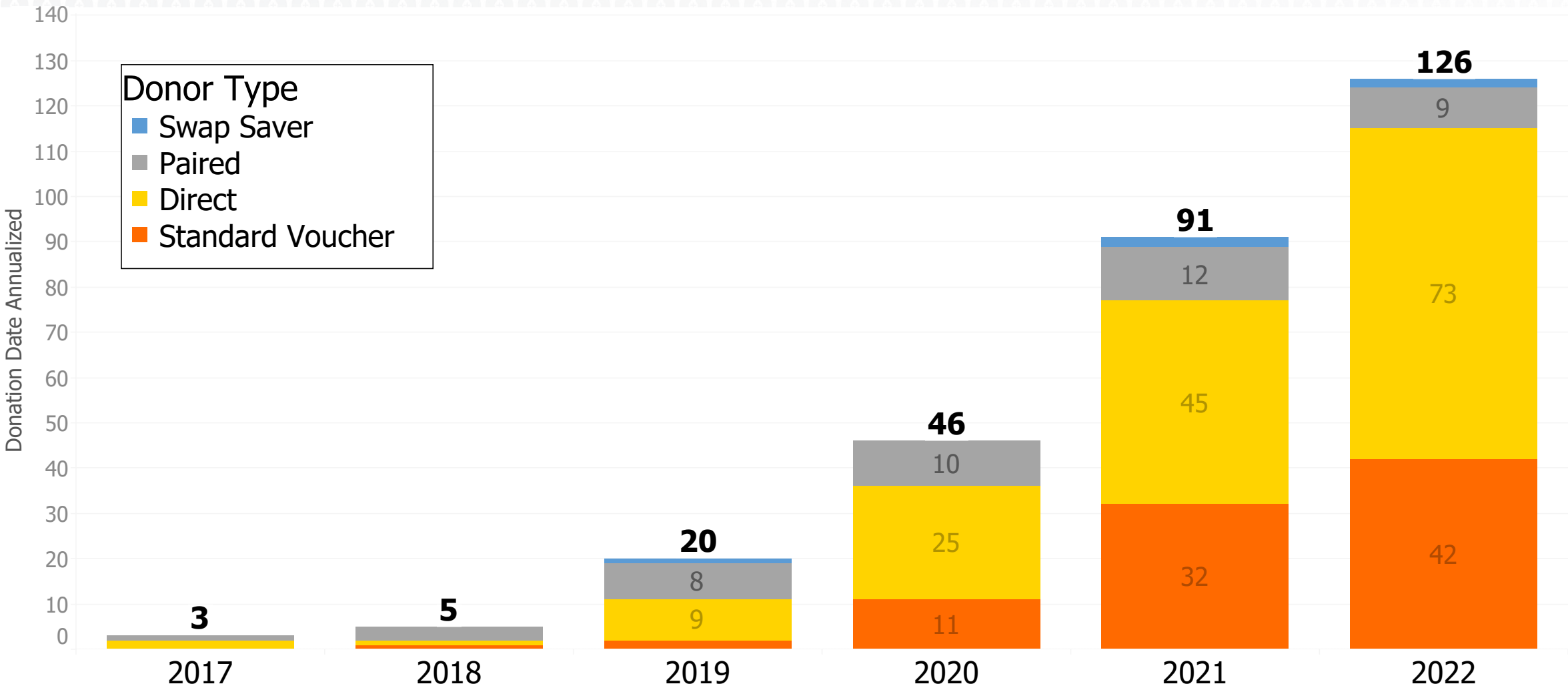


As of 1/15/2023

Includes all centers with at least 20+ Referrals and 10% Conversion Rate.



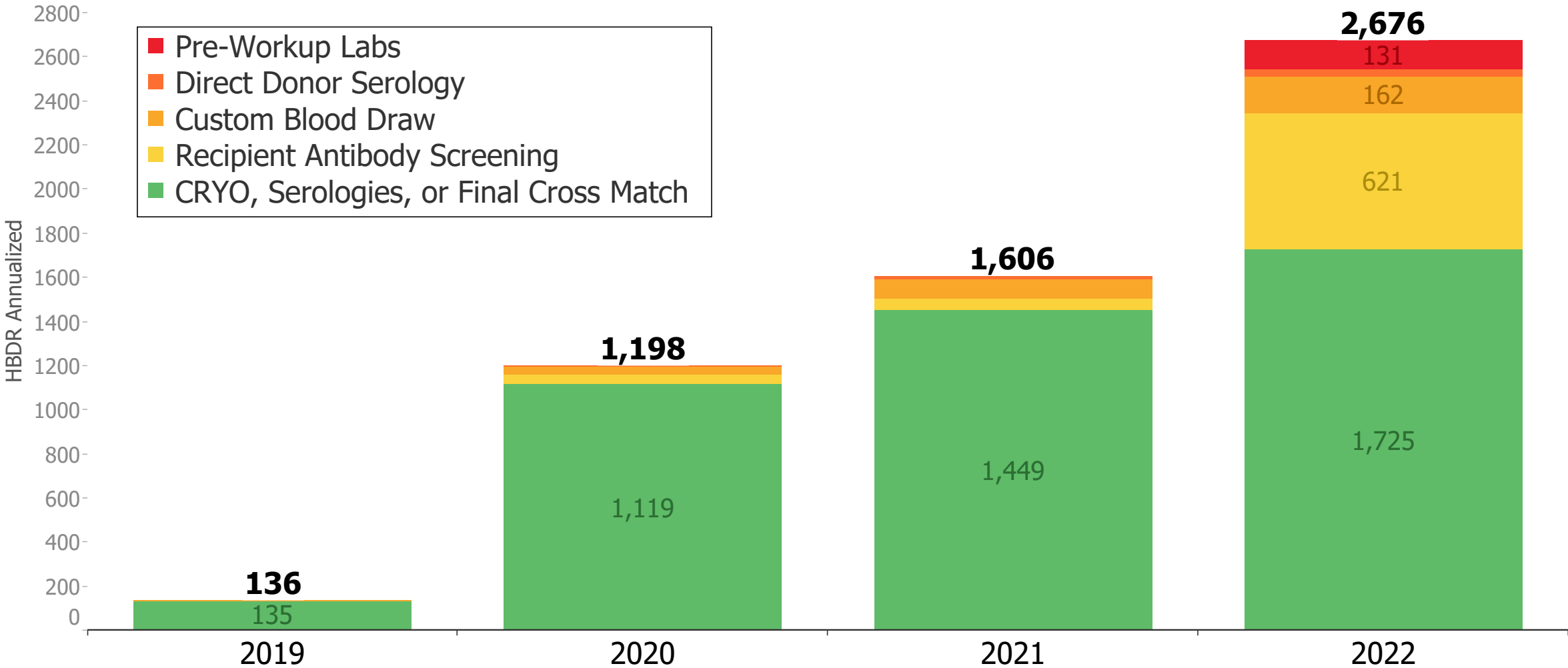
Remote Donations by Donor Type



As of 1/19/2023



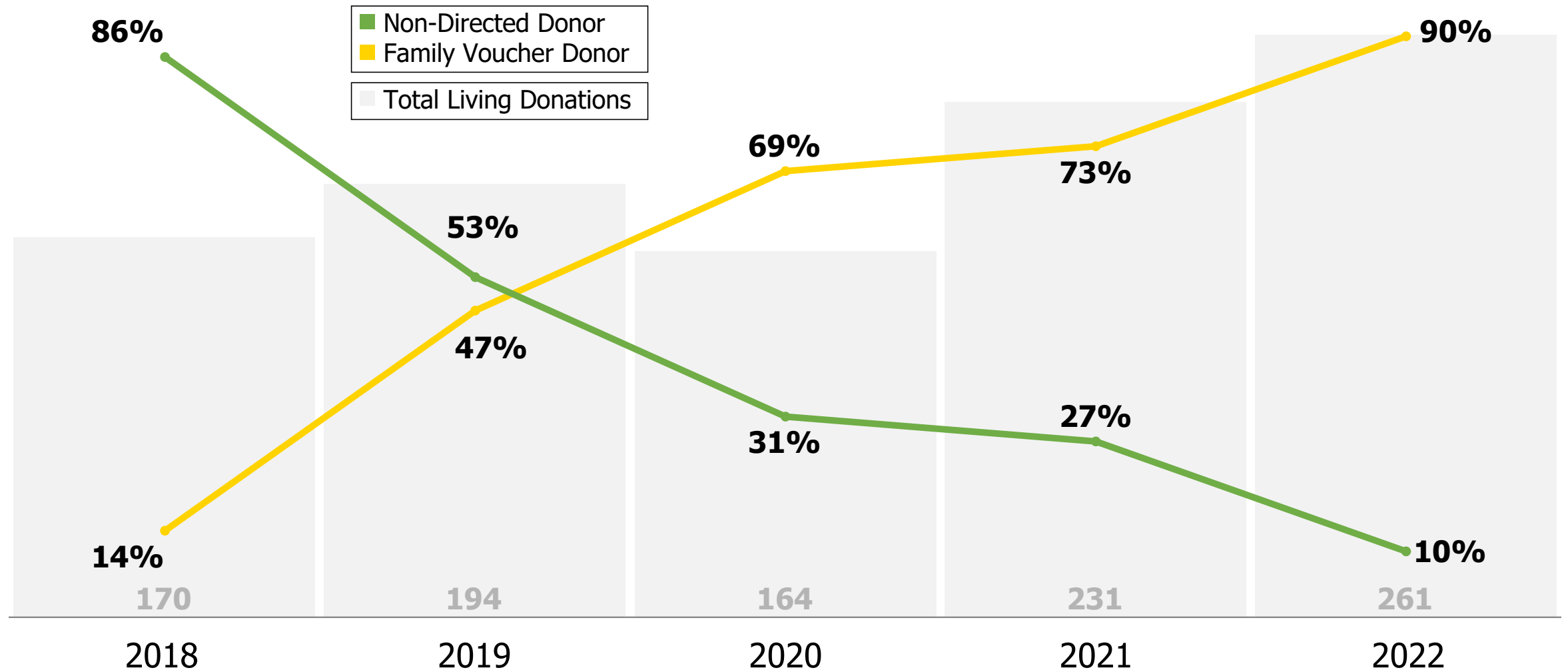
Home Blood Draw Requests



As of 1/16/2023



Transition to Family Voucher Donation

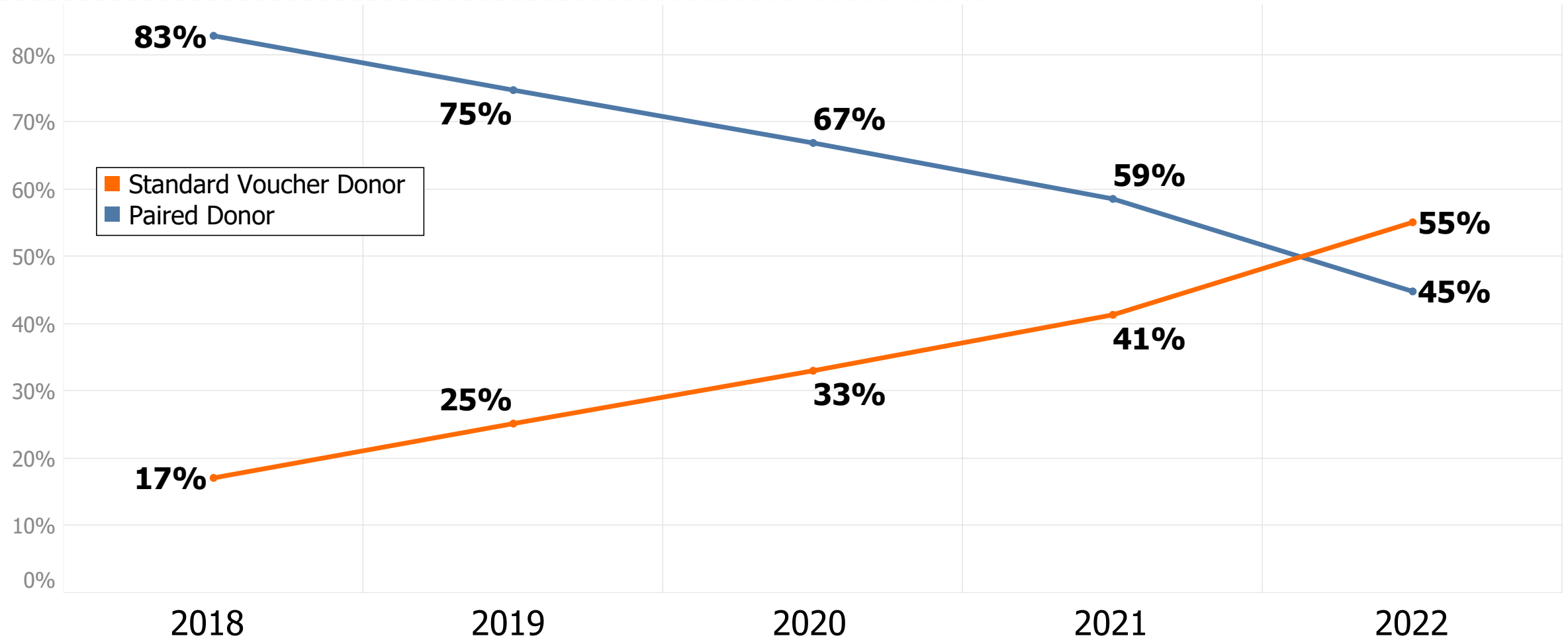


As of 1/1/2023



Decoupling Trend

Transition from Paired to Standard Voucher Donation

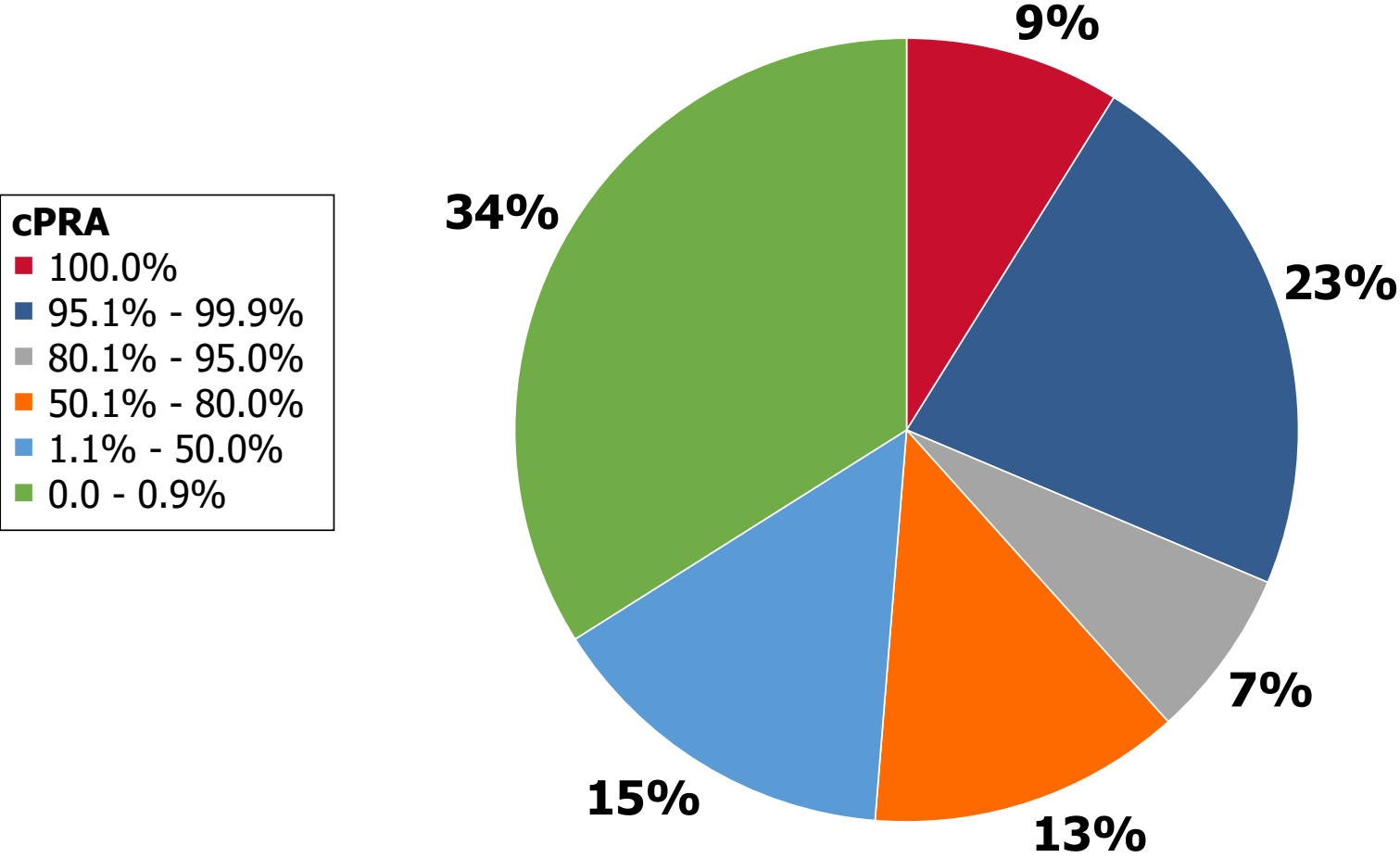


As of 1/1/2023



Pool Composition by cPRA

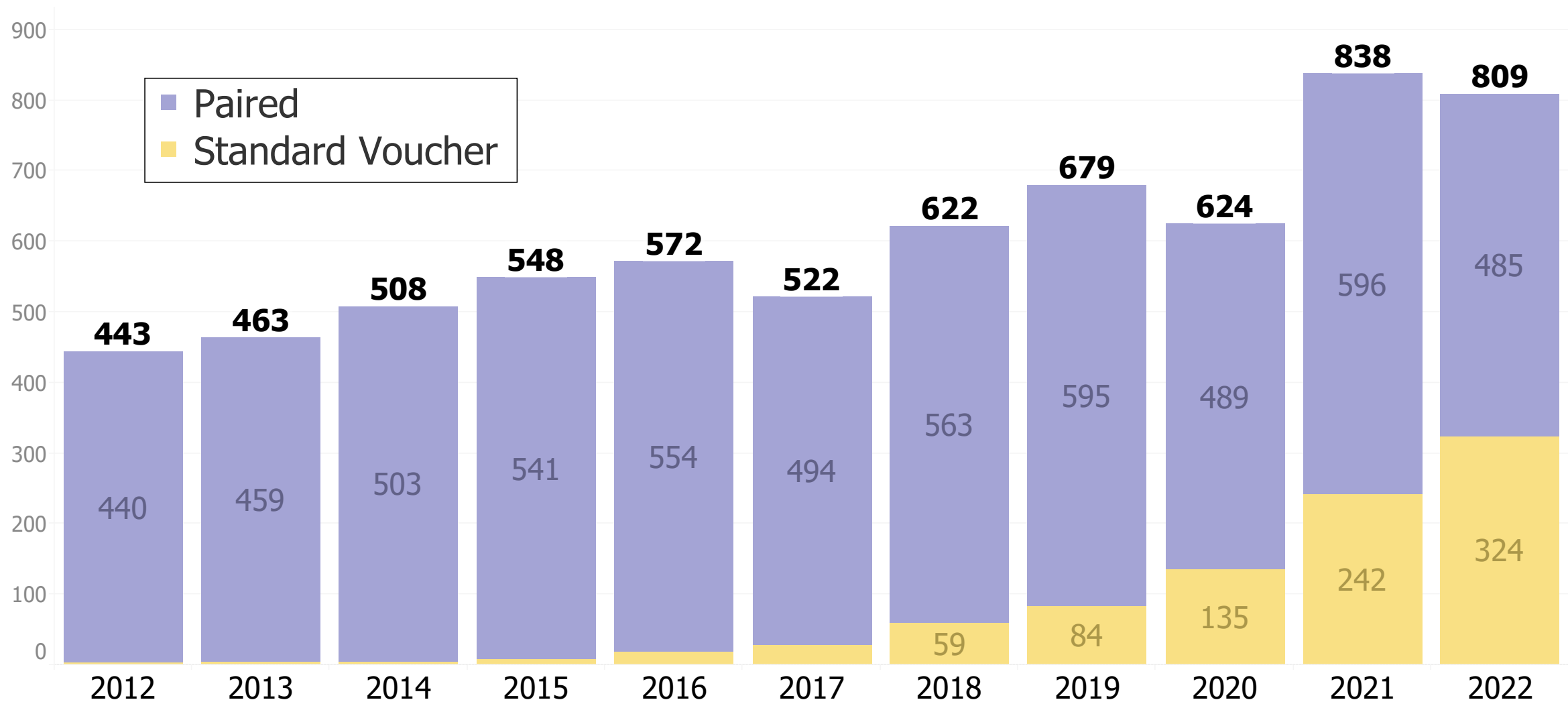
Unmatched Paired and Voucher Patients



As of 1/19/2023



New Exportable Patients

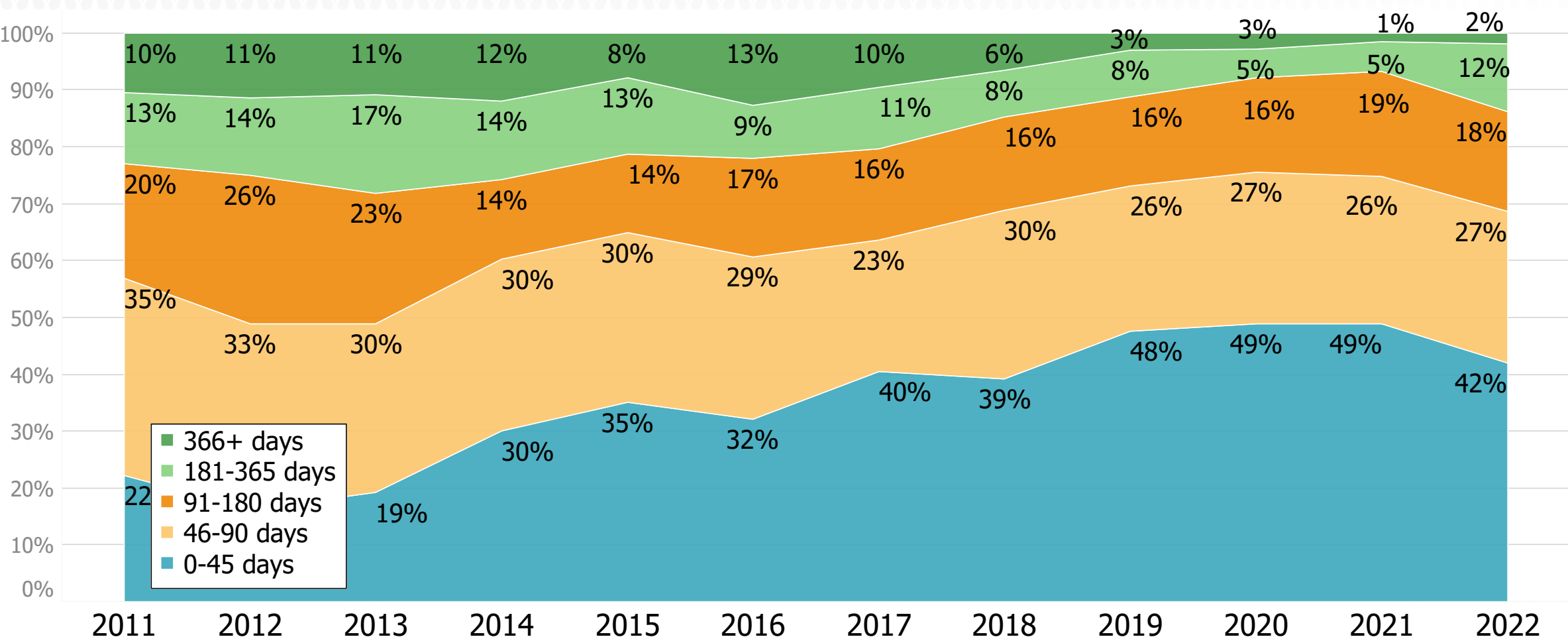


As of 1/19/2023



Wait Time Distribution

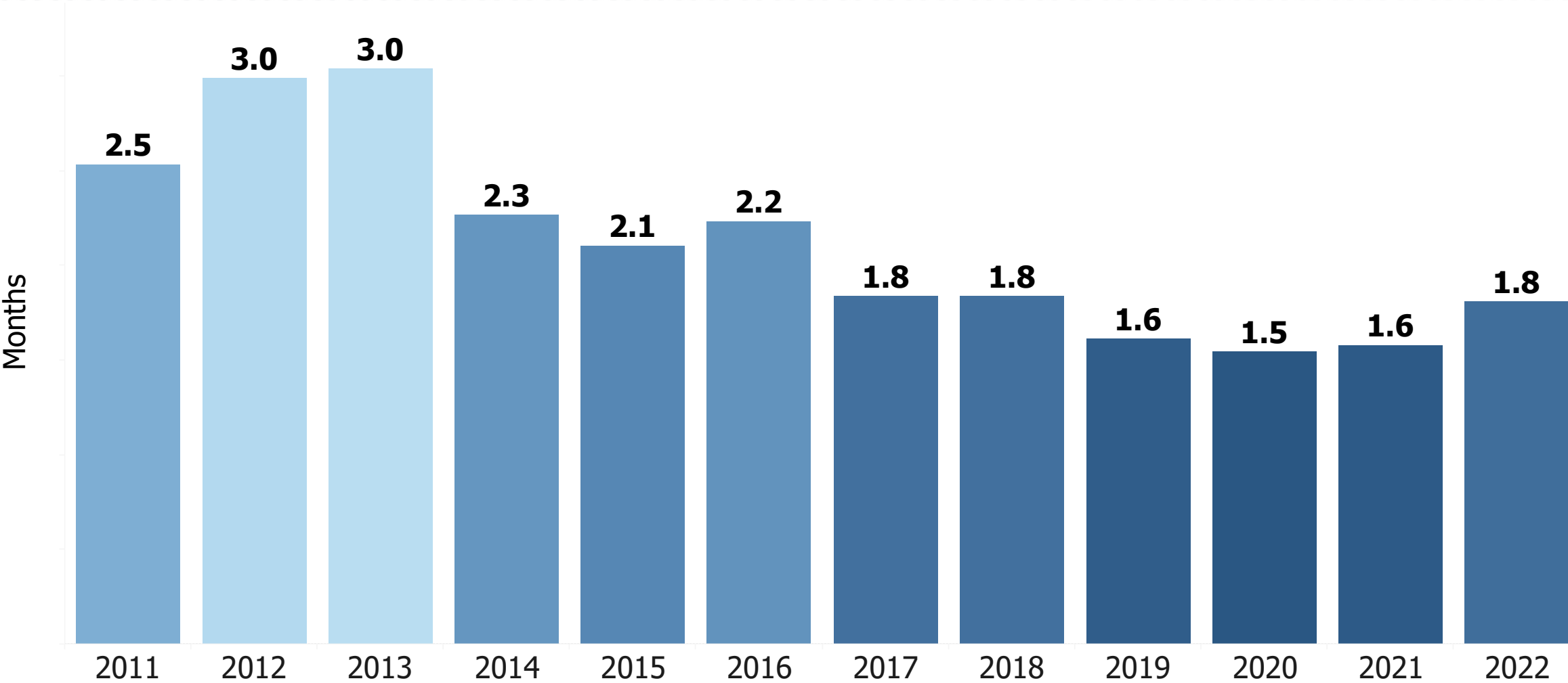
From Exportability to Transplant



As of 1/19/2023
Excludes all non-KPD and waitlist patient transplants.



Median Wait Time to Transplant

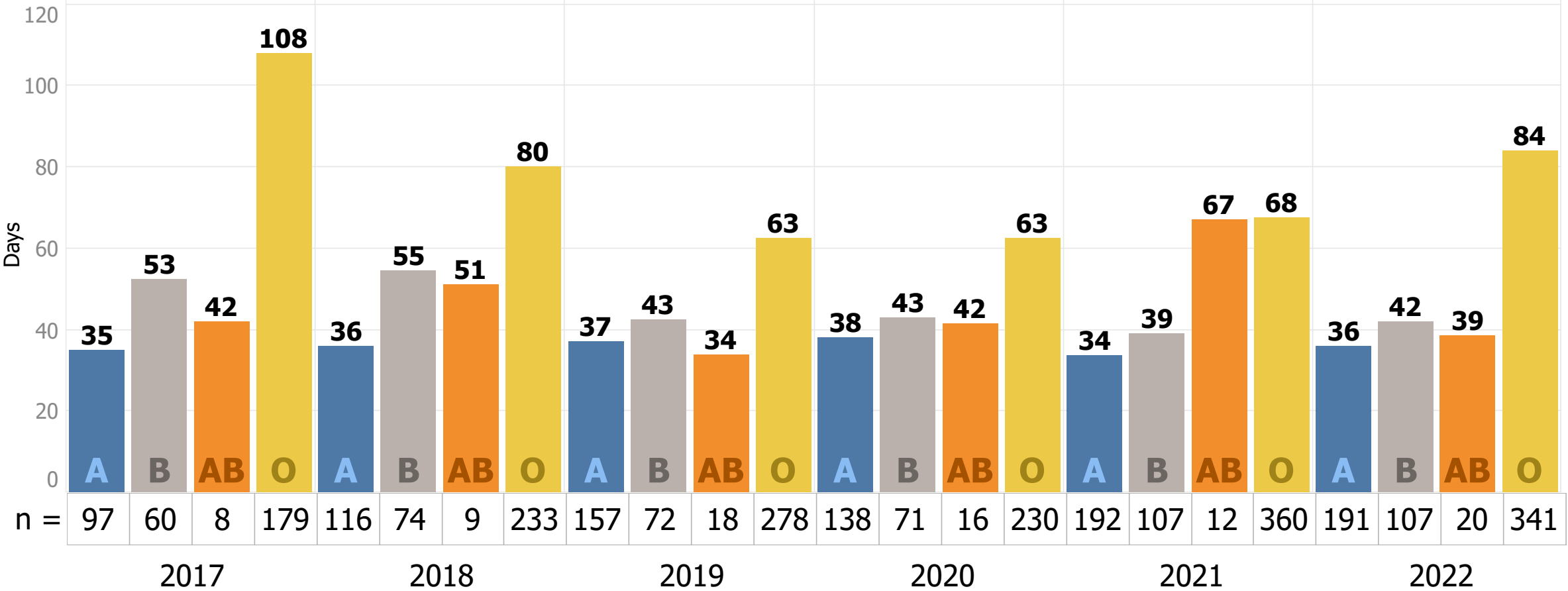


As of 1/1/2023
Excludes remote directs, KFL directs, and chain end offers to waitlist patients.



Median Wait Time by Blood Type

From Exportability to Transplant



As of 1/1/2023
Excludes all non-KPD and waitlist patient transplants.



Patients Waiting More Than One Year

Due to High cPRA

Paired Patients

#	Patient ID	Patient ABO	cPRA	Months Wait
1	5501	B	100.00	85
2	10986	O	100.00	39
3	12411	A	100.00	28
4	10569	A	100.00	19
5	10275	B	100.00	15
6	14941	O	100.00	14
7	15347	A	100.00	12
8	15219	B	100.00	12
9	14642	A	100.00	12
10	9702	O	99.99	25
11	14460	O	99.97	16
12	15282	O	99.97	12
13	12531	O	99.92	20
14	14402	A	99.92	16
15	10311	O	99.91	40
16	13846	A	99.90	15
17	6999	O	99.69	20
18	12794	O	99.63	21
19	10632	O	99.51	12
20	14093	O	99.27	16
21	15082	O	99.13	12

Voucher Patients

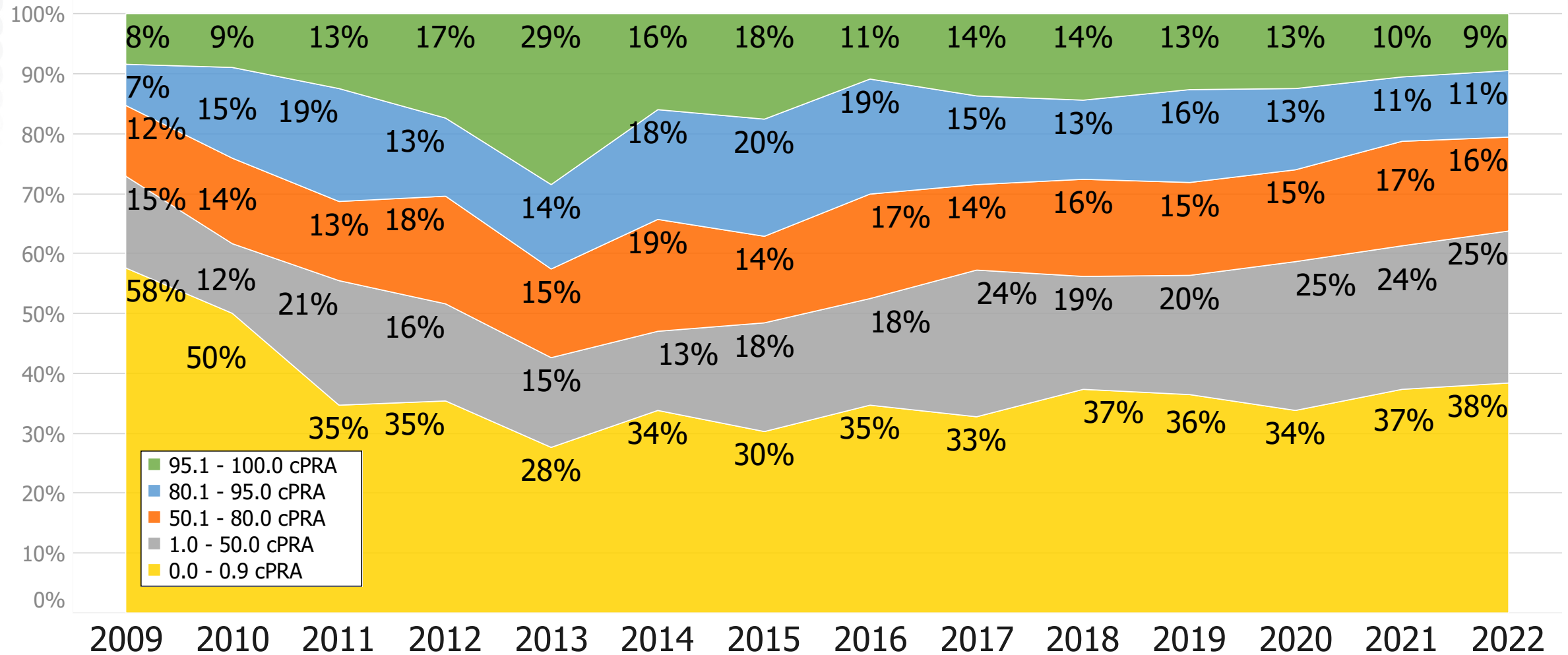
#	Patient ID	Patient ABO	cPRA	Months Wait
1	10448	O	100.00	40
2	10069	A	100.00	40
3	11378	A	100.00	35
4	13055	O	100.00	24
5	11047	A	99.99	36
6	14403	O	99.99	15

As of 1/19/2023

Includes all patients exportable in the NKR pool with a cPRA >99.00.



Transplanted Recipients by cPRA

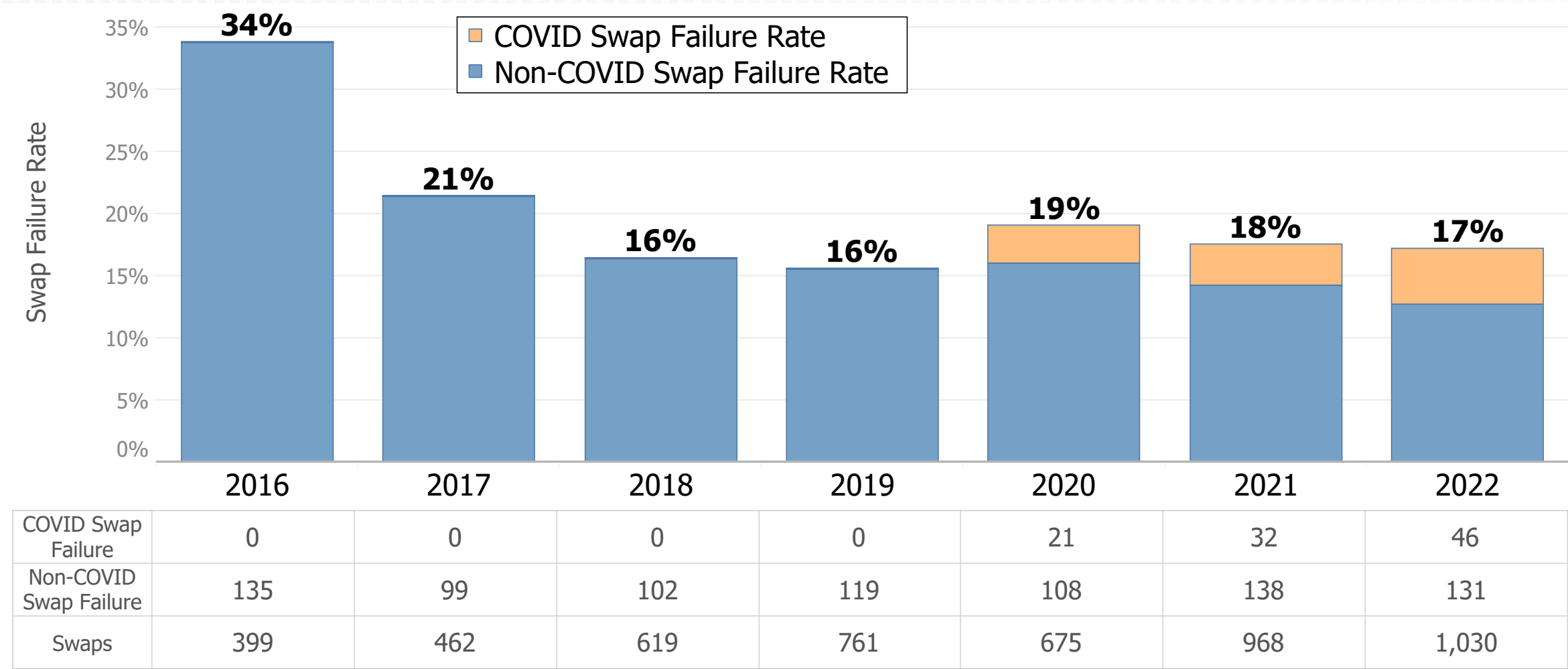


As of 1/19/2023

Excludes all non-KPD and waitlist patient transplants.



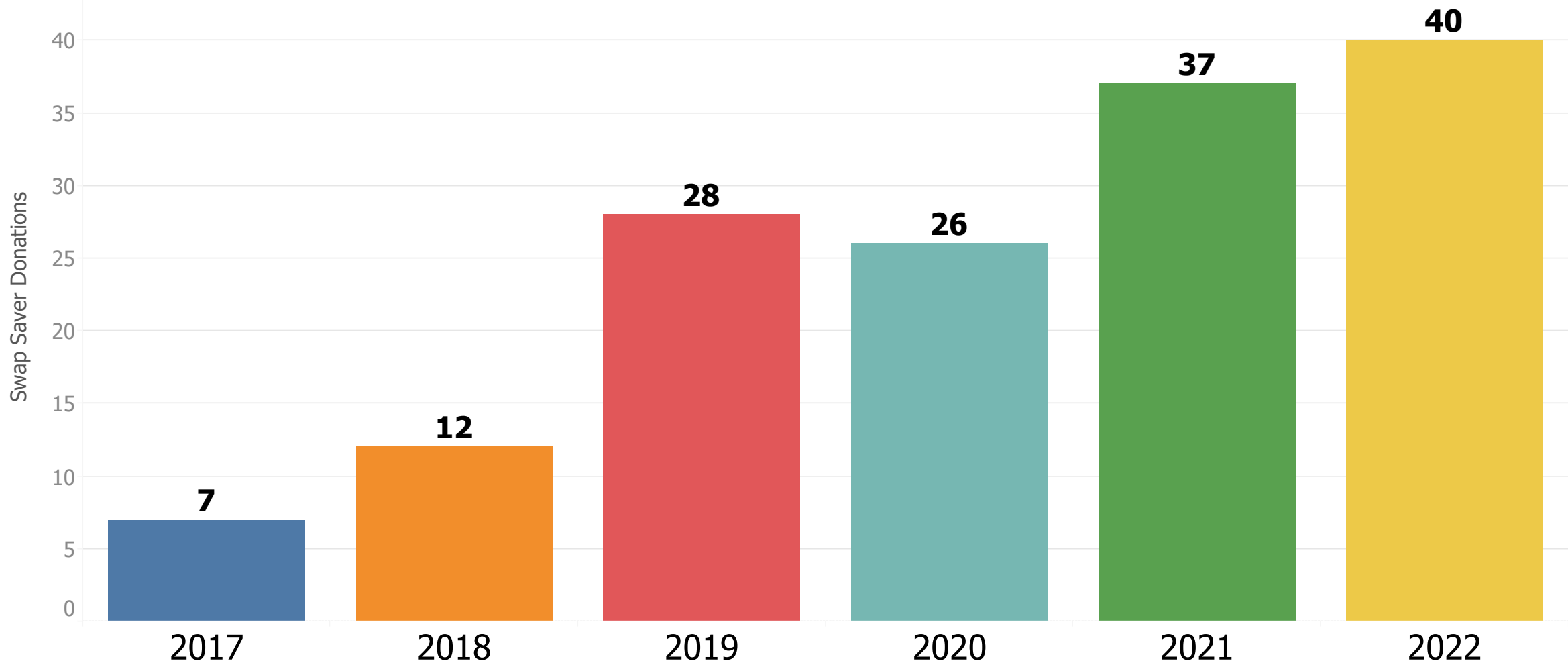
Swap Failure Rates



As of 1/11/2023



Swaps Saved by Swap Saver Voucher Donors



As of 1/1/2023



Resources

NATIONAL KIDNEY REGISTRY
Facilitating Well-Matched Living Kidney Donor Transplants, Protecting and Supporting Living Donors.

6,846 NKR-Facilitated Transplants

Better Matches, Better Outcomes, Longer-Lasting Transplants

Leading the World in Comprehensive Donor Support & Protections

kidneyregistry.org

DONOR SHIELD
Protecting & Supporting Living Kidney and Liver Donors

Thank you for considering becoming a living donor! Donor Shield protections are available to qualifying living kidney donors and living liver donors to make the donation process easier and more convenient.

To learn more about donor support and protections, find participating transplant centers and find out if you qualify, click the corresponding donor type below.

Donor Shield for Kidney Donors
Donor Shield for Liver Donors

donor-shield.org

KIDNEY TRANSPLANT CENTERS
Compare the performance and services of all kidney transplant centers in the U.S.

Rank	Center Name	State
1	MedStar Georgetown University Hospital	DC
2	UCSF Medical Center	CA
3	University of Minnesota Medical Center	MN
4	Mayo Clinic Rochester	MN
5	NYU Langone Health	NY
6	Wake Forest Baptist Medical Center	NC
7	Mayo Clinic Arizona	AZ
8	University of Pennsylvania Hospital	PA
9	UCLA Medical Center	CA
10	Harvard Medical Transplant Center	MA
11	UW Health Transplant Program	WI
12	Intermountain Medical Center	UT
13	Piedmont Hospital	GA
14	Emory Transplant Center	GA

kidneytransplantcenters.org

DONOR CARE NETWORK
Making kidney donation safer, easier and more convenient.

I am Considering Donating My Kidney

How We Support & Protect Donors

Leaders of the Donor Care Network are living kidney donors. We have personally gone through the process of living donation and are therefore committed to ensuring convenient and safe donation experiences for all living kidney donors.

Donors Supported and Protected

641 1,081 1,373 1,530 1,647

donorcarenet.org

KIDNEY FOR LIFE
Kidney for Life Initiative

Better matches, fewer graft failures, opportunity for reduced immunosuppressive medications

Why Kidney for Life?
Better Donor-Recipient Matches

Reduced Risk Of De Novo Antibodies
Lower Risk Of Rejection
Less Risk Of Graft Failure
Opportunity For Safely Reducing Immunosuppression
Fewer Side Effects From Immunosuppressive Medication

kidneyforlife.org

FIND A KIDNEY
Helping Patients Learn How to Find a Living Kidney Donor

If you are in need of a kidney transplant, the free, personalized microsites offered by the National Kidney Registry can help you find a living donor.

20% of patients with a microsite achieve a living donor transplant within 12 months

268 Microsite Patients Transplanted

Get Help Finding a Living Kidney Donor

Living kidney donor transplants last longer than deceased donor transplants, yet of the 18,000 annual kidney transplants, only 6,000 are from living donors. Meanwhile, 100,000 people wait on the deceased donor waitlist every year. Findakidney.org aims to end that imbalance by giving kidney patients the tools and information they need to find a living donor, from instructions and advice on how to search for a donor to personalized donor search websites.

findakidney.org

LIVING DONOR GAMES
ARE YOU UP FOR THE CHALLENGE OF THE DONOR GAMES?

In a general population survey, 75% of respondents felt that donating a kidney would negatively affect their health. The Donor Games refutes this widely held misconception by showcasing the impressive health and fitness of donors from around the country.

There are four different ways to compete. Click the images below for details on each event.

THE OPEN THE CHAMPIONSHIP THE REGIONALS SPONSORED EVENTS

livingdonorgames.org

