



NATIONAL KIDNEY REGISTRY[®]
FACILITATING LIVING DONOR TRANSPLANTS

Quarterly Report

Q1 2022

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Message from the Founder & CEO



In early 2022, the NKR saw a significant reduction in transplants facilitated due to the COVID spike. However, the numbers recovered by March when we set a new record of 133 transplants facilitated in a single month. March exceeded our prior best month (105 in March 2021) by a wide margin. Q1 transplants facilitated were 273, which was 24% higher than the 221 transplants facilitated in Q1 of 2021.

The microsite program saw a 15% increase in patient sites in the first quarter, with the number of active patient microsites now over 1,200. A total of 97 microsite patients have received living donor transplants since the beginning of the program. We expect the microsite patient transplanted number to double in the next year as we increase the microsite coaching capabilities and expand our Champion training program, and as more centers offer the microsite program to their wait list patients.

The transition to the Family Voucher Program is in full swing, with 89% of Good Samaritan donors now opting into the Family Voucher Program. The remaining 11% of donors that do not opt into family vouchers are generally at centers that do not have strong support for family voucher education. We are also seeing 60% of paired donors now choosing to decouple and enter the Standard Voucher Program.

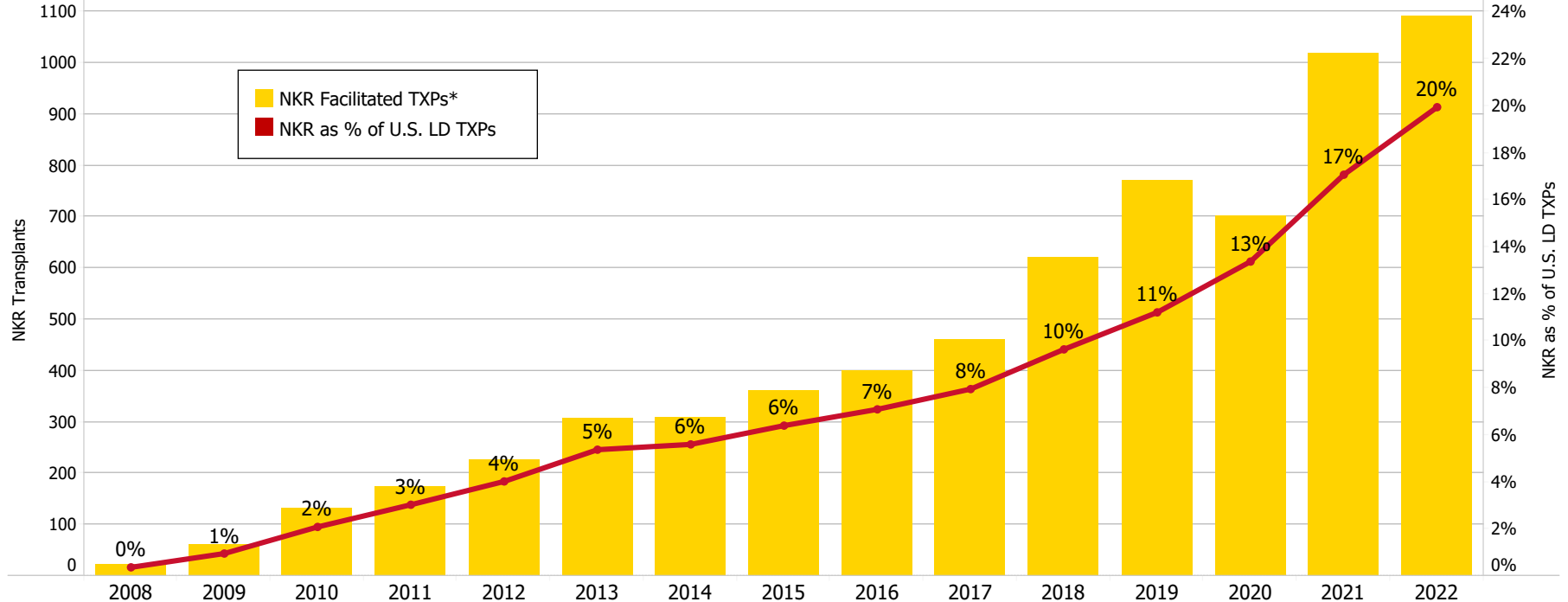
Sincerely,

A handwritten signature in blue ink, appearing to read 'G. Hil', written in a cursive style.

Garet Hil

Founder & CEO
National Kidney Registry
Living Kidney Donor

NKR Facilitated Transplant Growth



NKR TXPs*	22	61	131	175	226	308	310	360	399	462	621	770	700	1,013	1,091
U.S. LD TXPs**	5,968	6,387	6,278	5,773	5,619	5,733	5,538	5,628	5,629	5,811	6,442	6,867	5,234	5,970	5,471

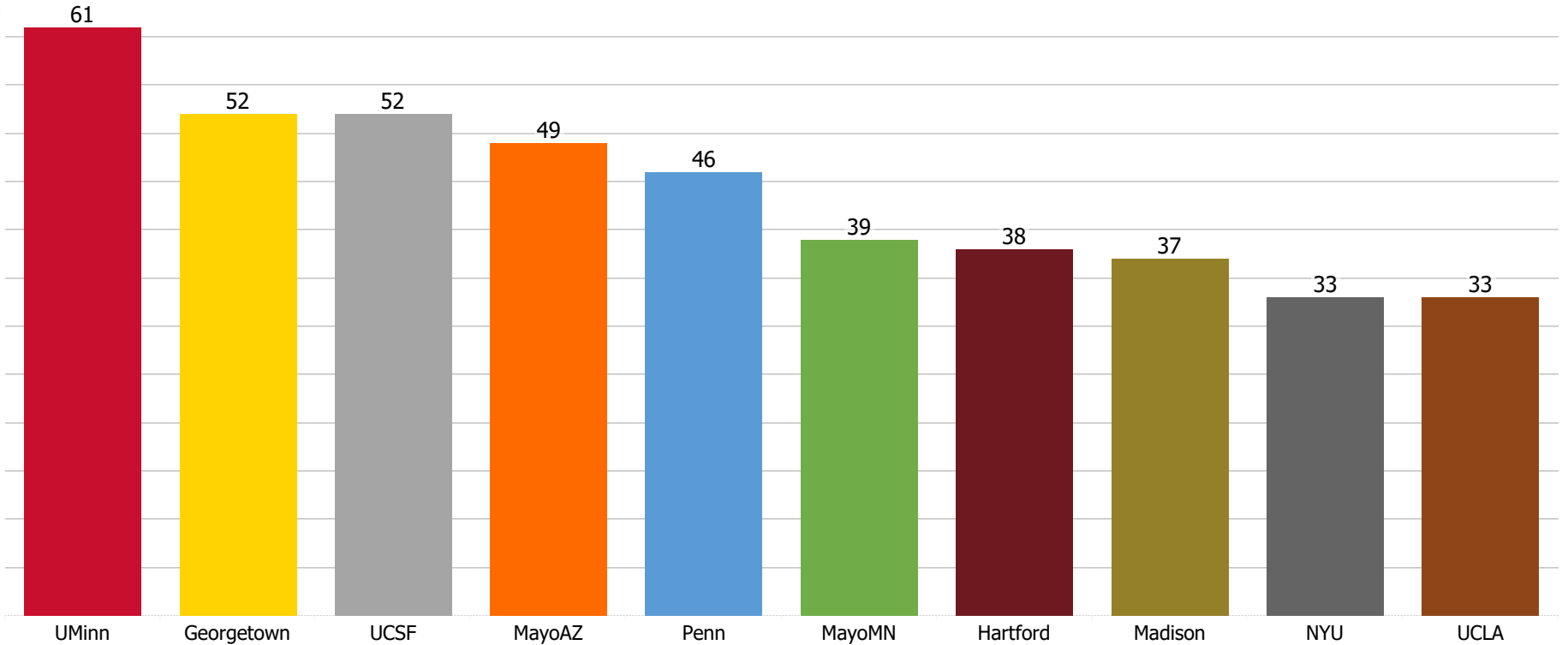
*NKR facilitated transplants (TXPs) include voucher, paired, remote directs, KFL remote directs and WLP transplants.

**<https://optn.transplant.hrsa.gov/data/> U.S. Living Donor (LD) Transplants Performed: 1/1/2008 – 3/31/2022, Based on OPTN data as of 4/10/2022; NKR Database accessed 4/8/2022

Annualized

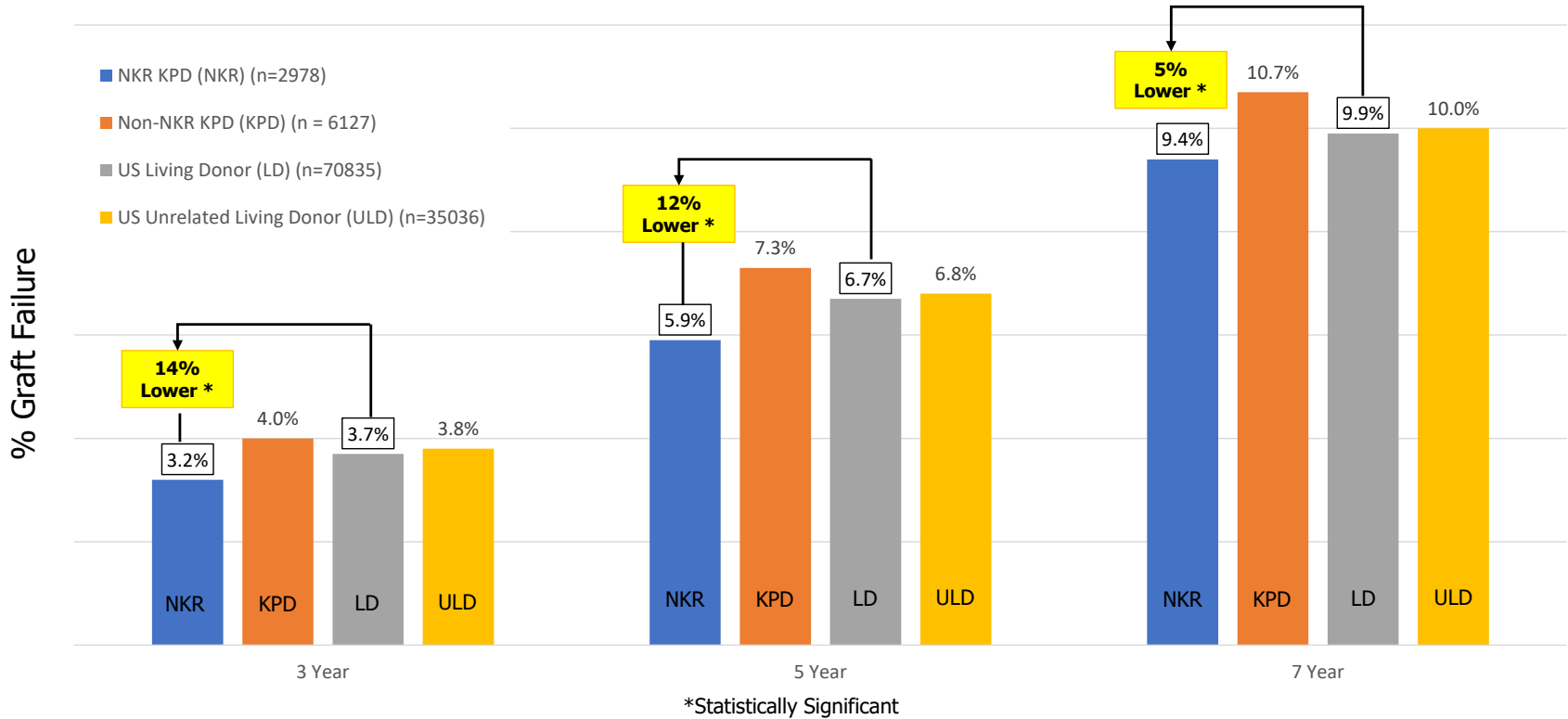
Top Centers

NKR Facilitated Transplants 4/1/2021 – 3/31/2022



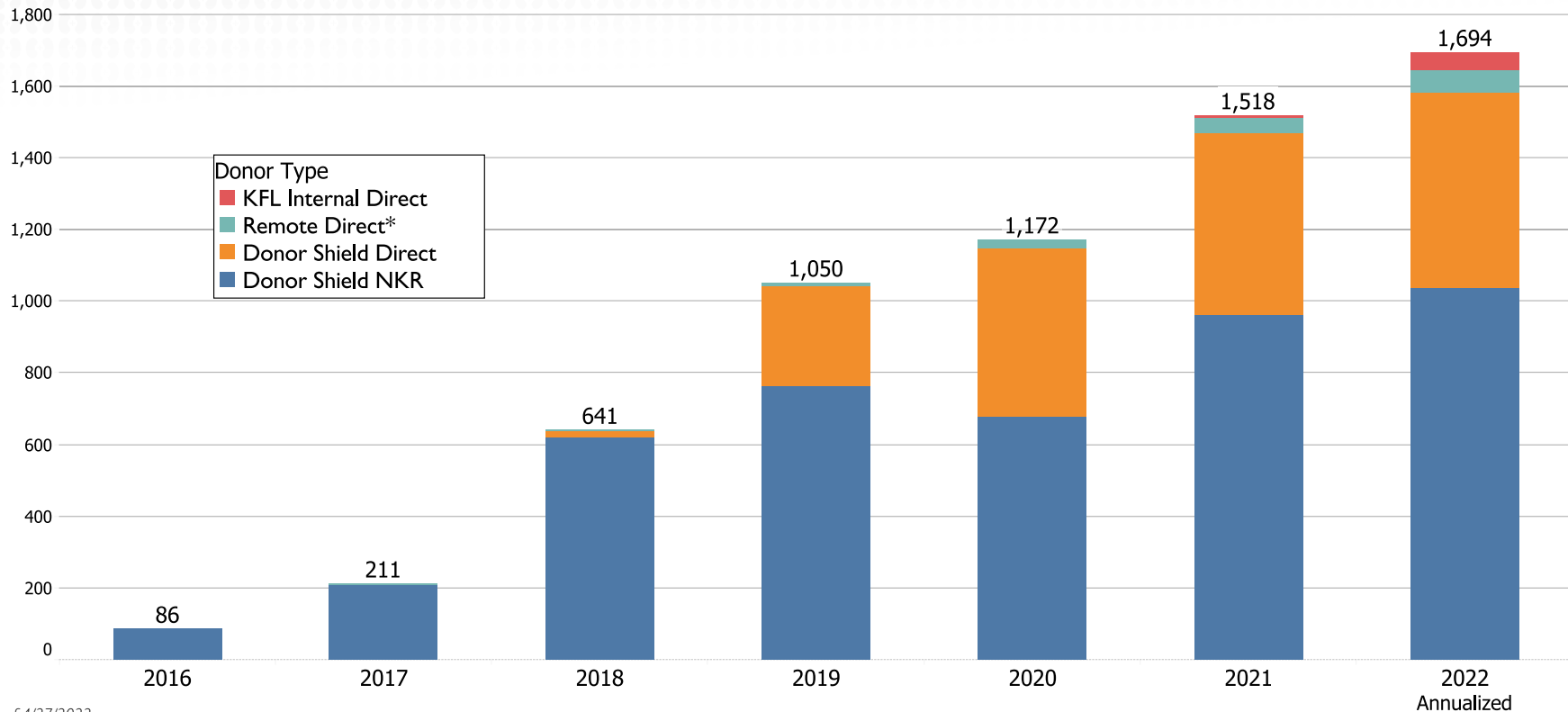
Includes voucher, paired, remote direct, KFL remote direct, and WLP transplants.

Death Censored Graft Failure Comparisons



Provided courtesy of Johns Hopkins University School of Medicine, Department of Surgery *Not including waitlist patients; Kaplan-Meier GS rates for transplants performed: 2/2008 – 12/2020 with follow-up through 3/31/2021
<https://www.srtr.org/> SRTR data as of June 2021

Living Donors Supported and Protected

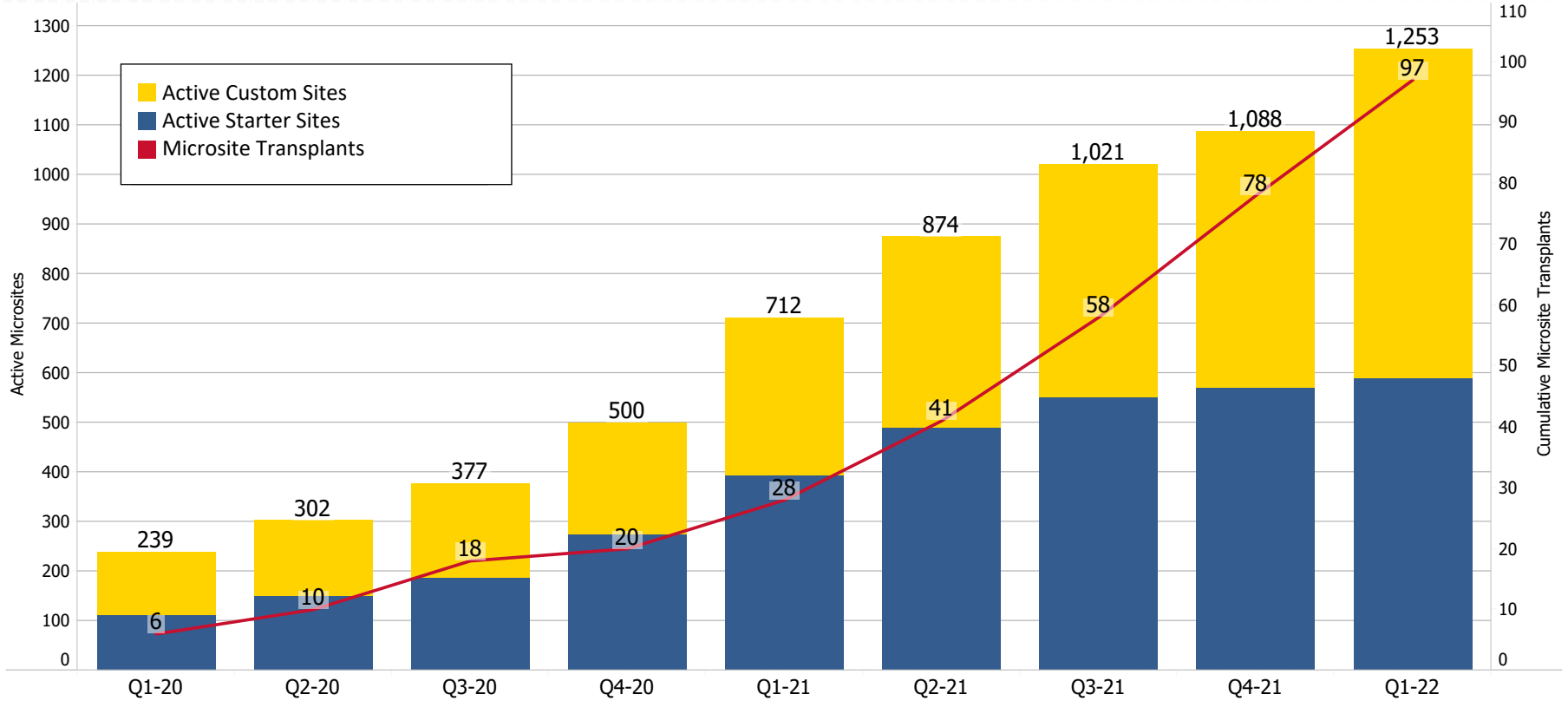


As of 4/27/2022

*Includes remote direct and KFL remote direct donations.

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

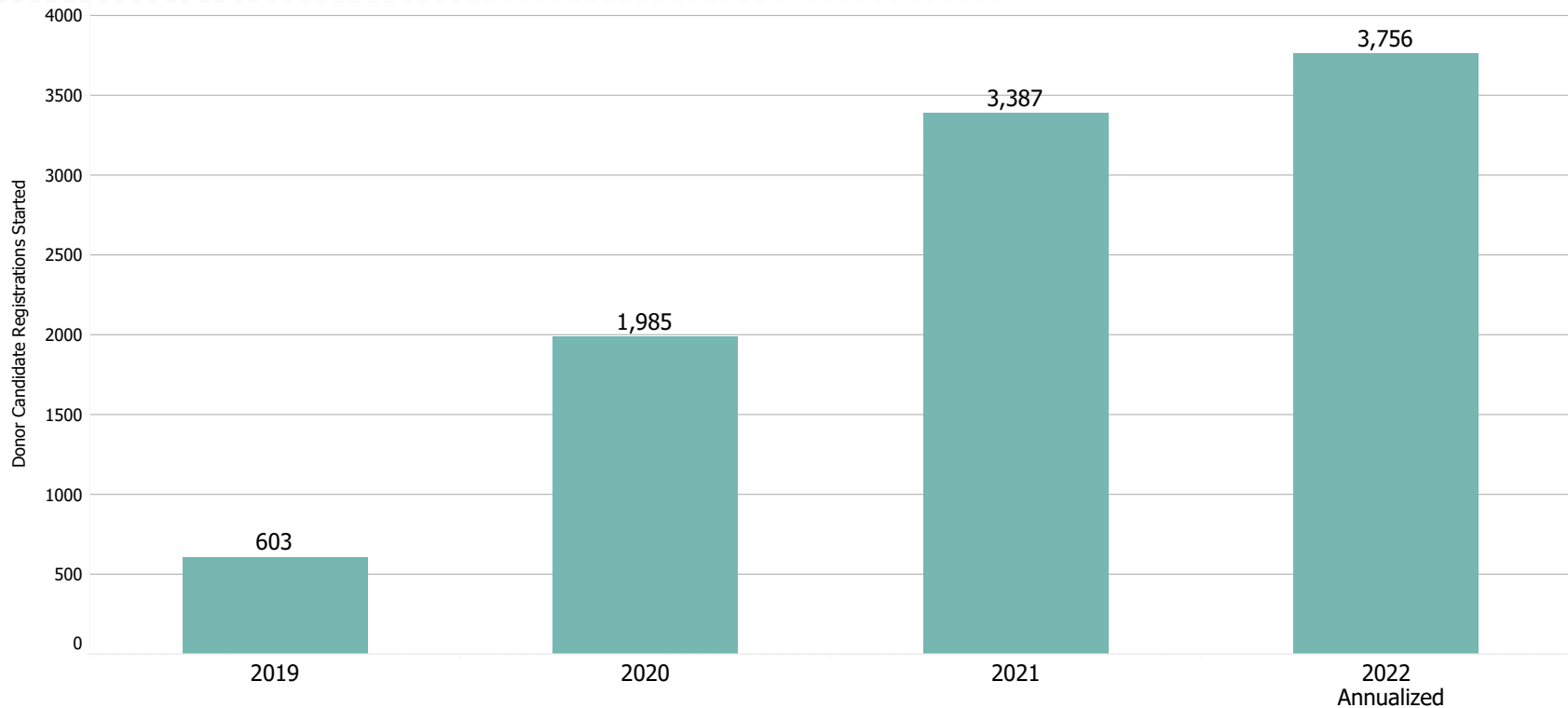
Microsite Growth



As of 4/5/2022

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

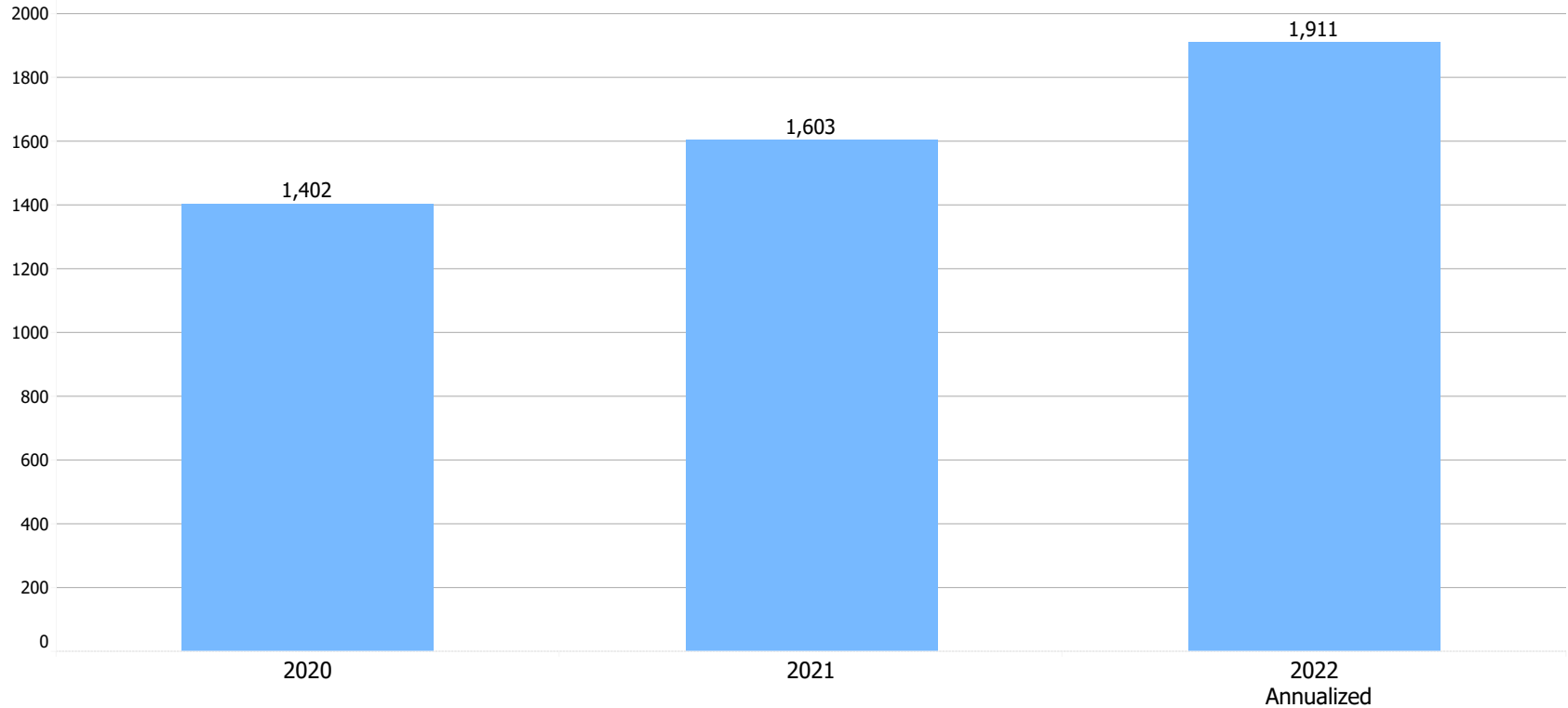
Microsite Donor Registrations



As of 4/18/2022

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

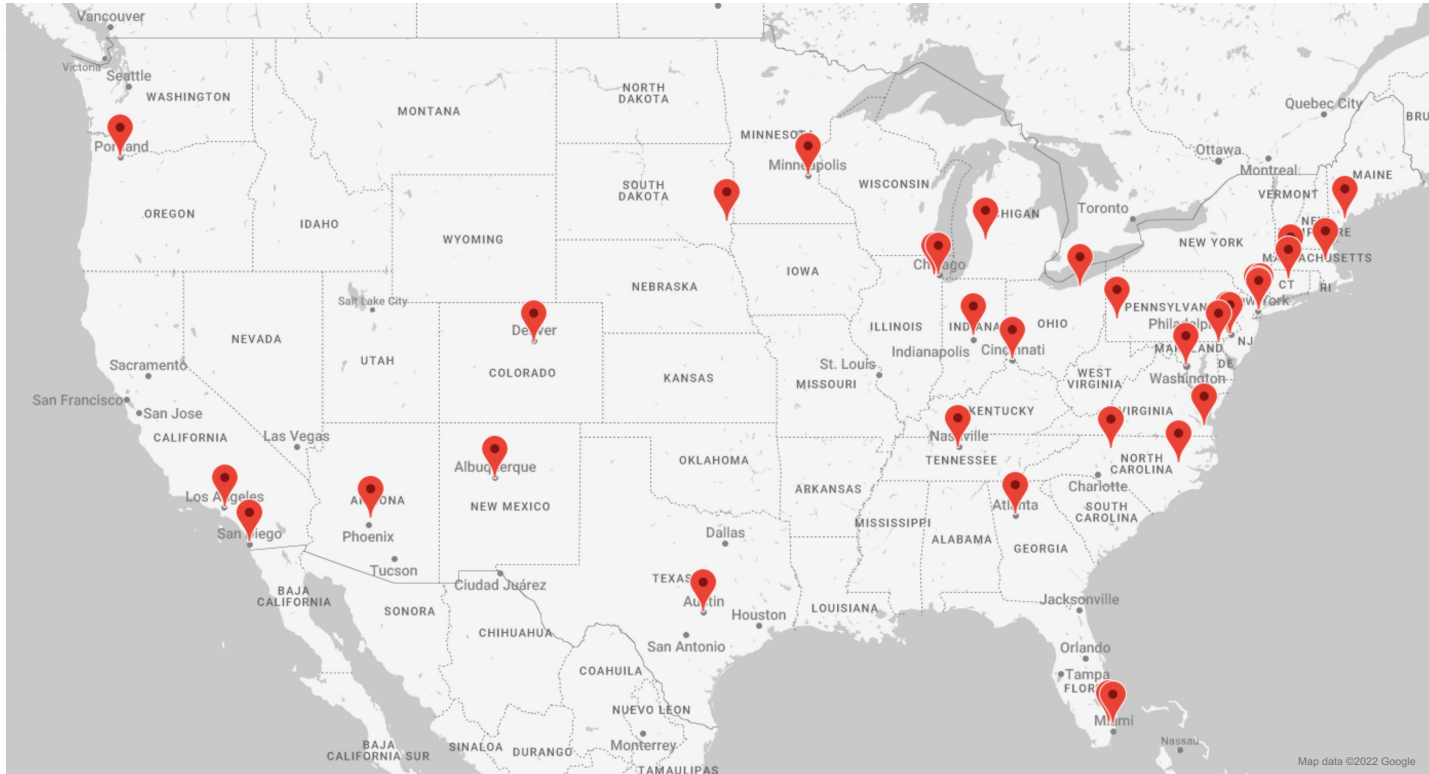
Microsite Patient Referrals



As of 4/20/2022

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

Microsite Centers

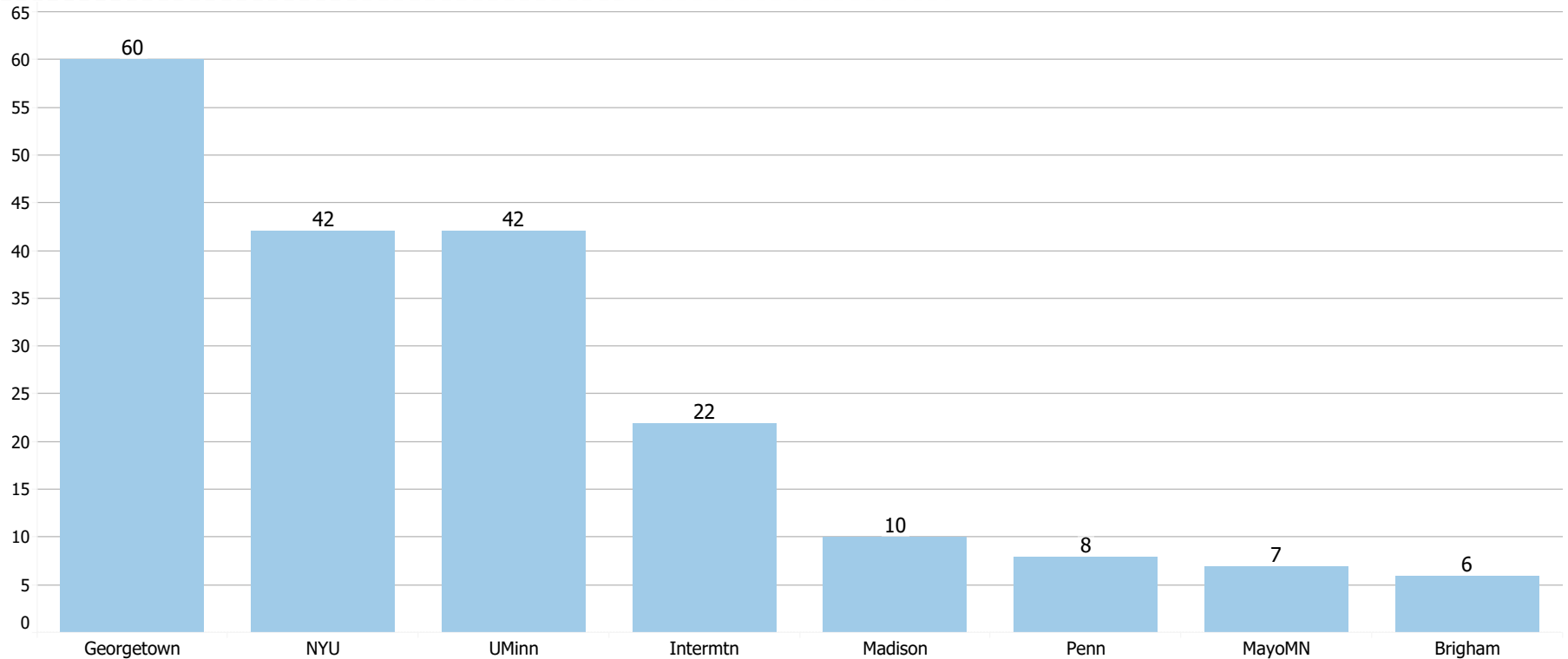


As of 4/12/2022

To see the latest Microsite participating centers [click here](#).

High Resolution Tissue Typing Completed for Patients

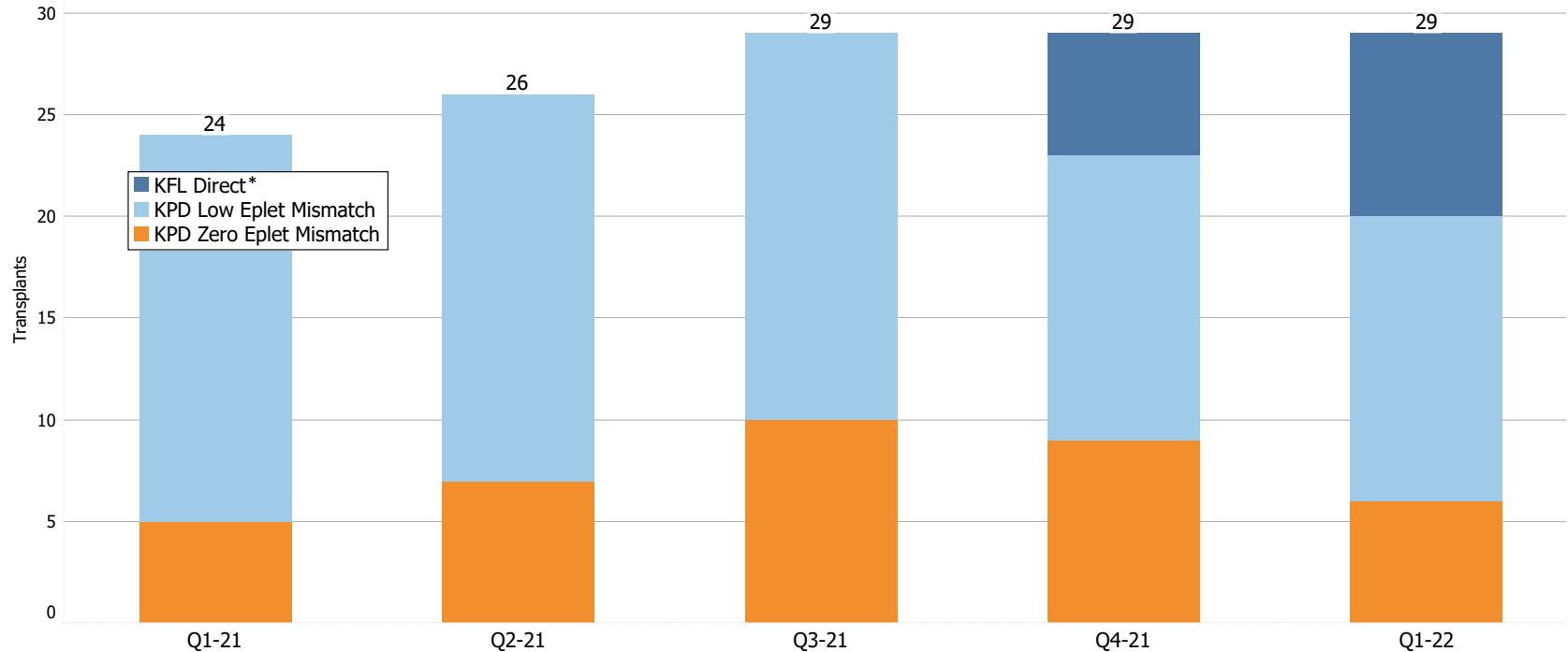
1/1/2022 – 3/31/2022



As of 4/11/2022

Kidney for Life Transplants

Compatible and Incompatible Pairs



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.

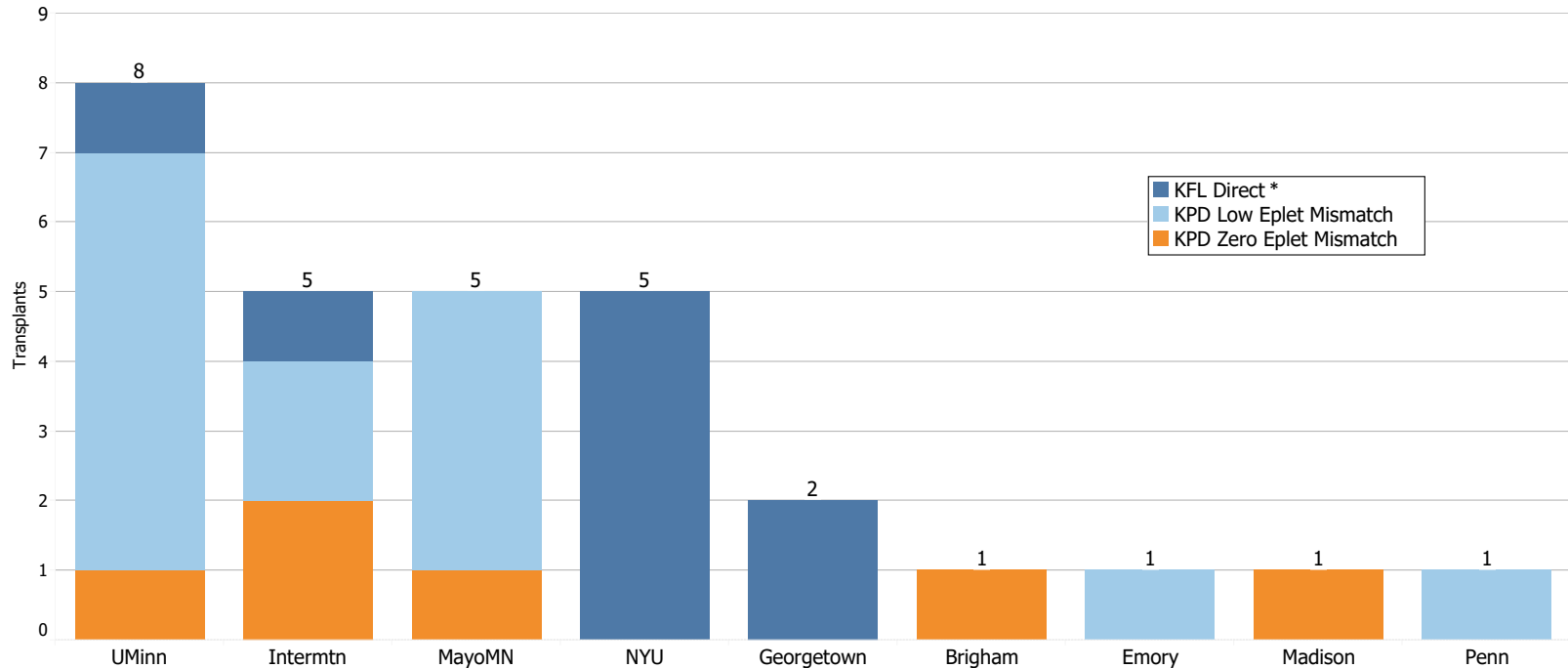
<https://doi.org/10.1111/ajt.15177>

*Includes remote direct and KFL remote direct donations.

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

Kidney for Life Transplants

Compatible and Incompatible Pairs 1/1/2022 – 3/31/2022



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

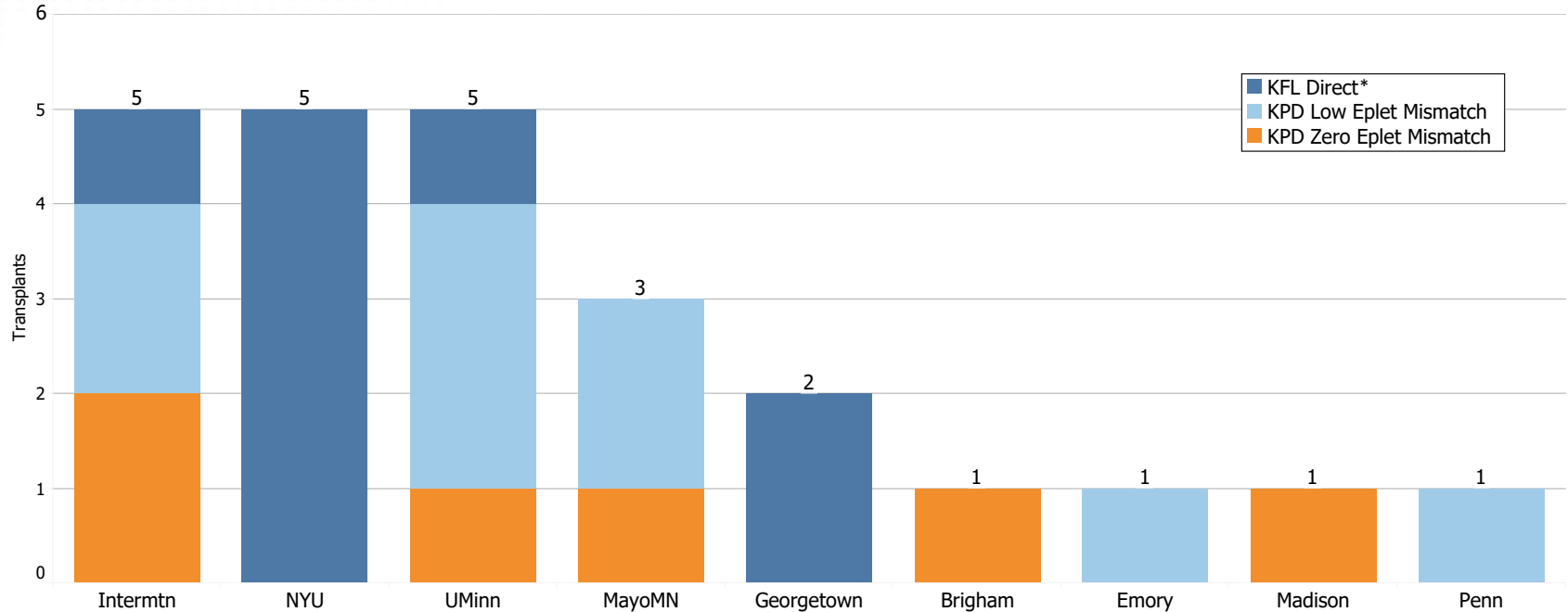
<https://doi.org/10.1111/ajt.15177>

*Includes remote direct and KFL remote direct donations.

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

Kidney for Life Transplants

Compatible Pairs 1/1/2022 – 3/31/2022



Excludes cPRA > 50%

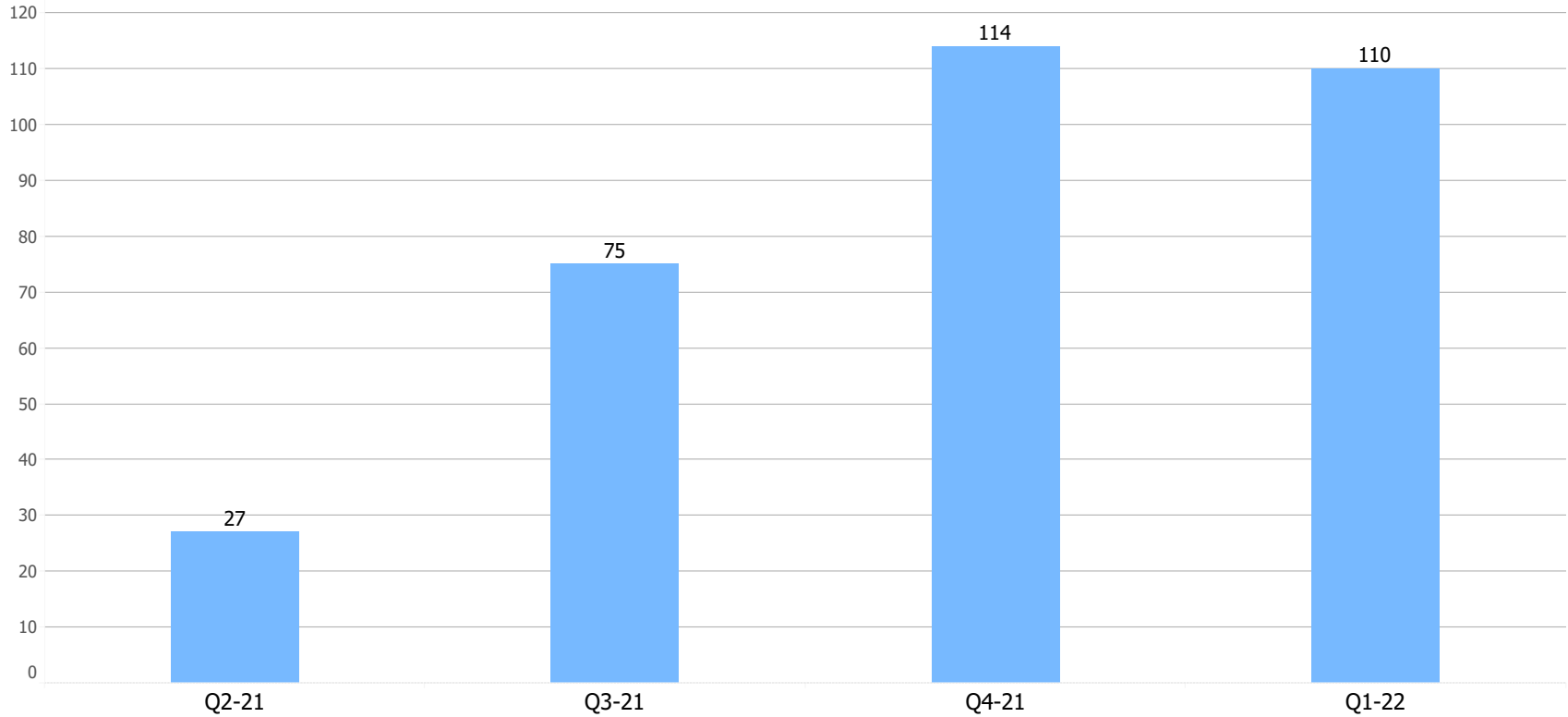
Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. *Am J Transplant.* 2019;19:1708–1719.

<https://doi.org/10.1111/ajt.15177>

*Includes remote direct and KFL remote direct donations.

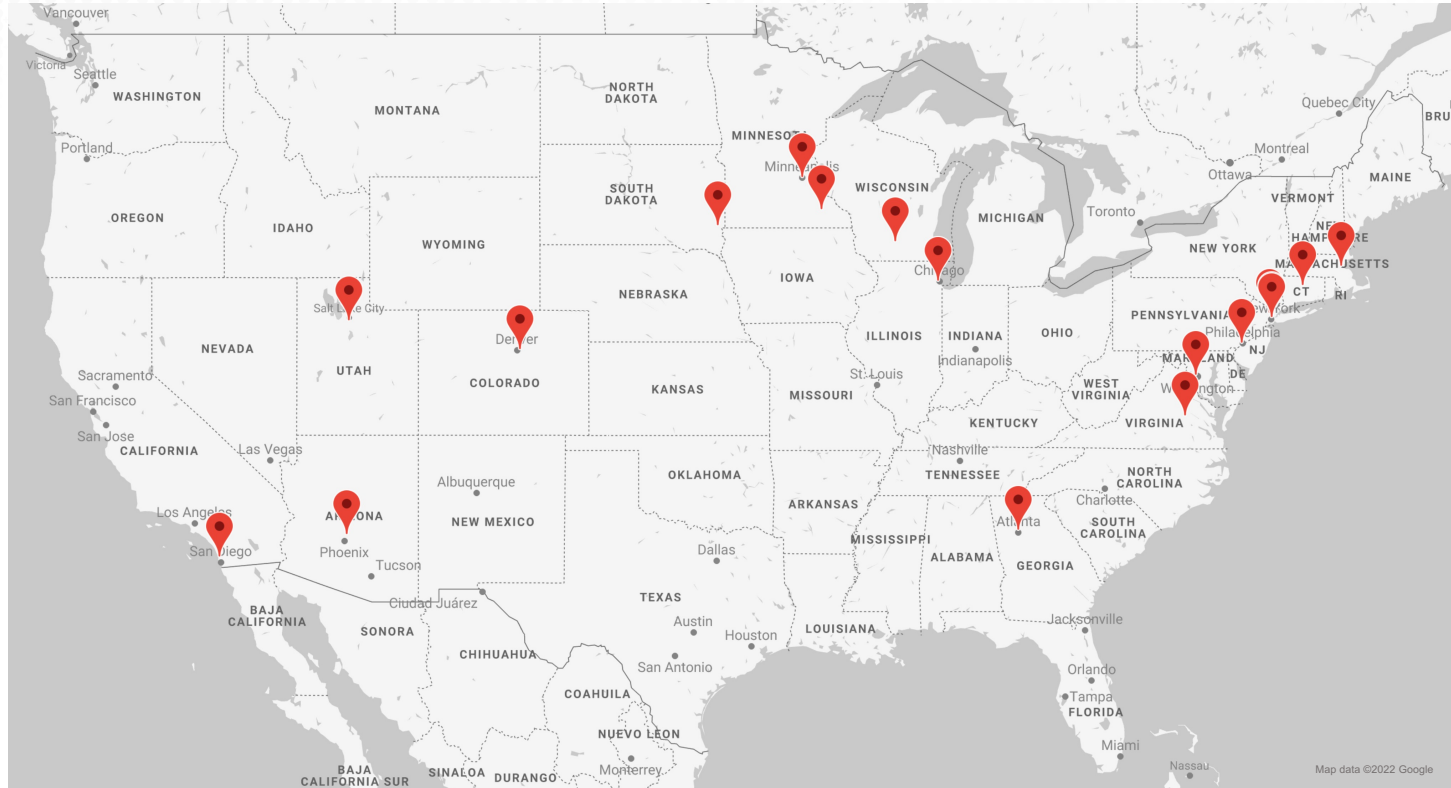
To learn more about the Kidney for Life program [click here](#).

Kidney for Life Patient Referrals



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

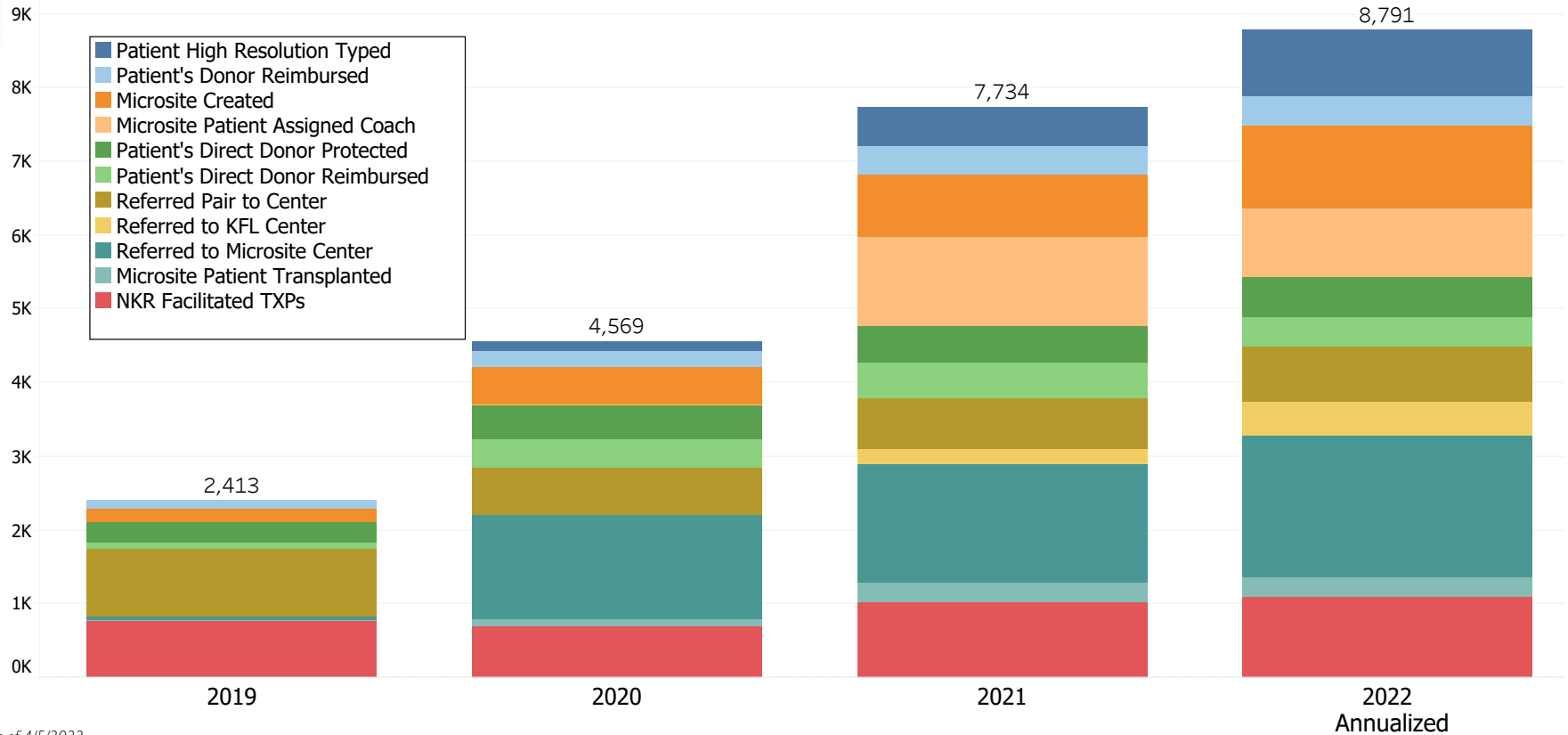
Kidney for Life Centers



As of 4/12/2022

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

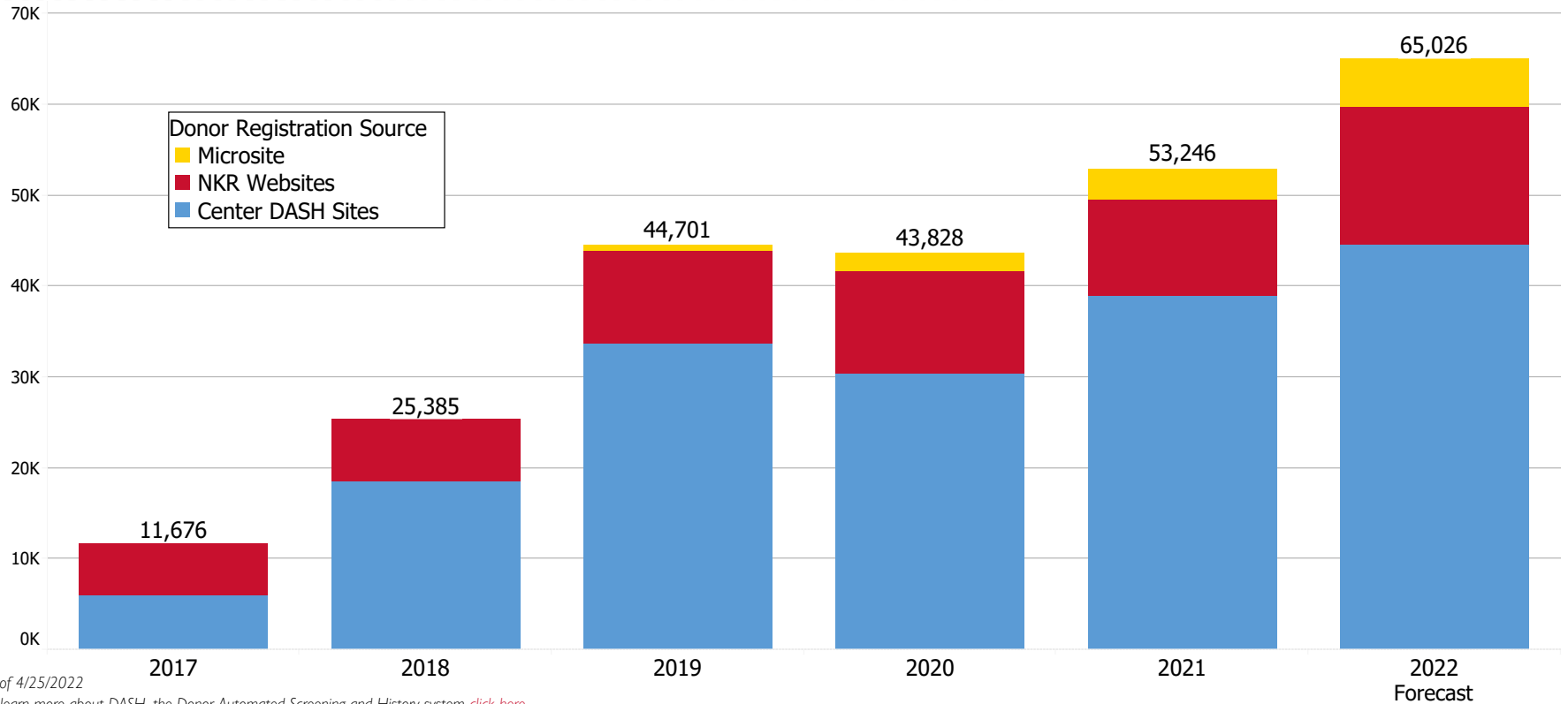
Patient Support Activities



As of 4/5/2022

Donor Candidate Registrations

Across All DASH Intake Platforms

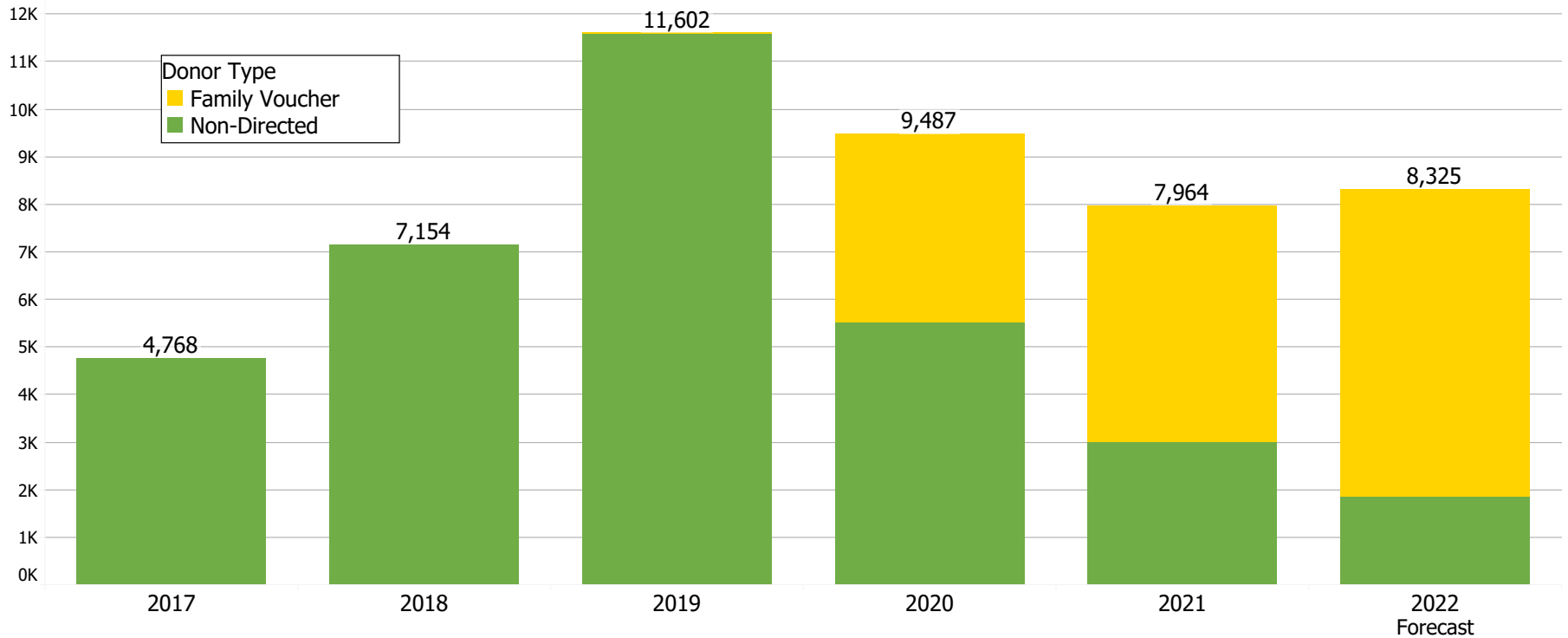


As of 4/25/2022

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

Good Samaritan Donor Candidate Registrations

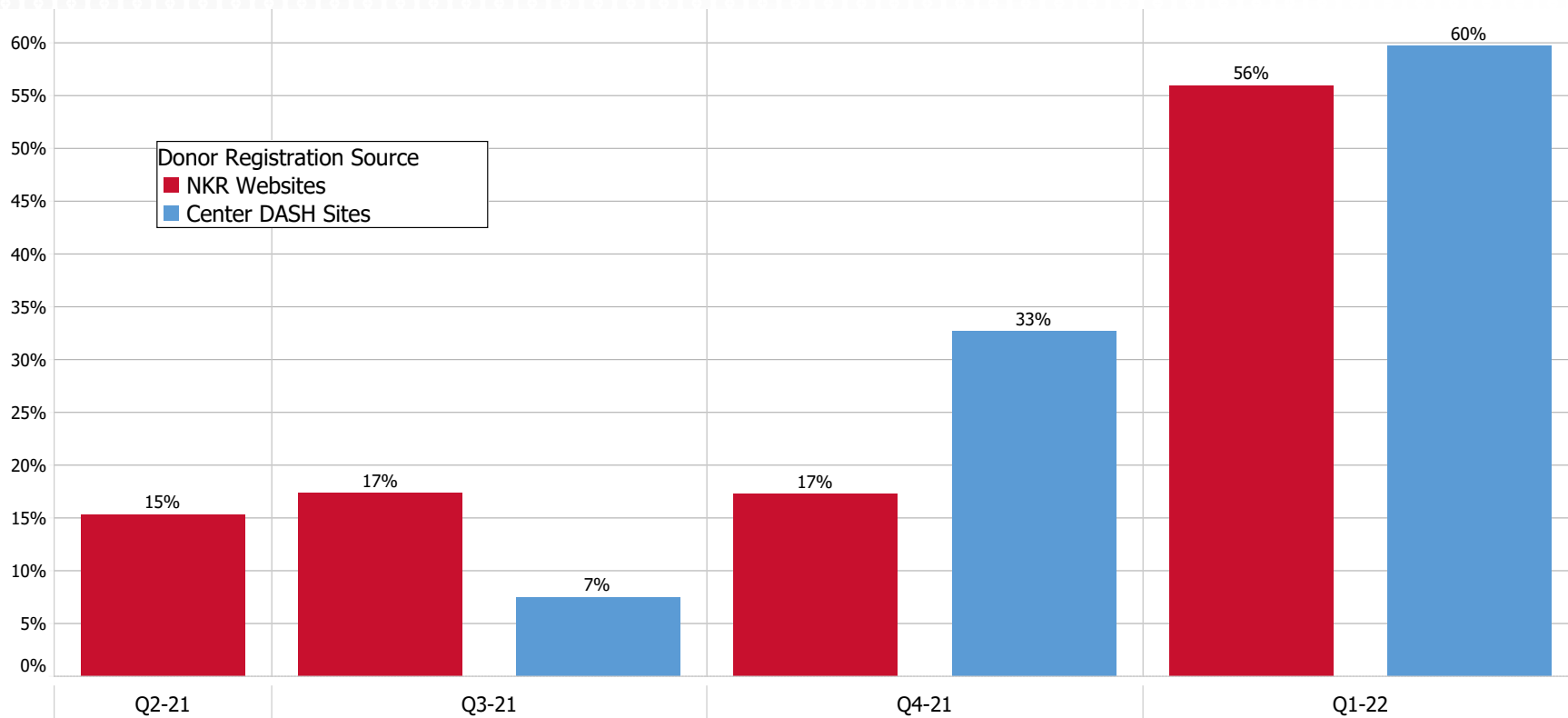
Across All DASH Intake Platforms



As of 4/25/2022

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

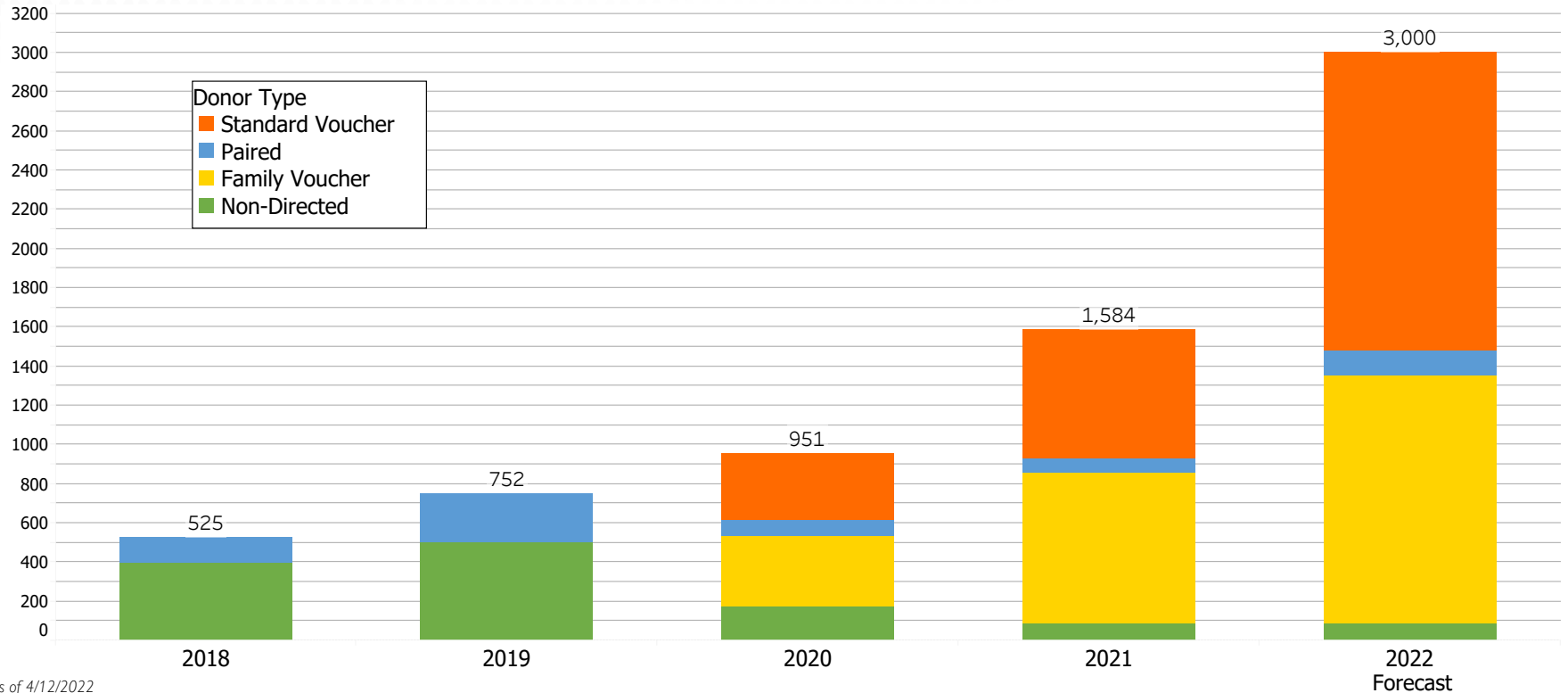
Percentage of Donor Candidates Who Connected with a Mentor



Donors who accepted to speak to a mentor / Donors offered to speak to a mentor
To learn more about the Donor Connect program [click here](#).

NKR Qualified Donor Referrals

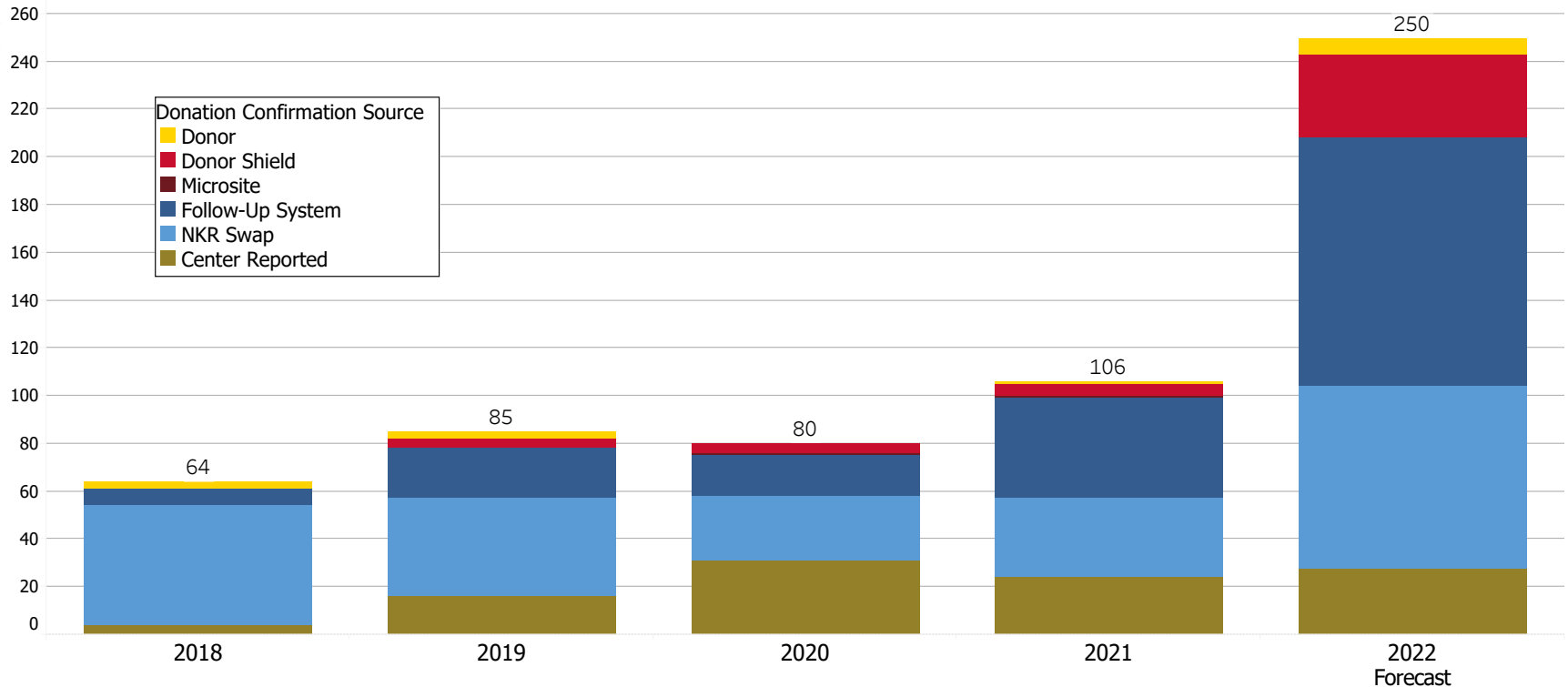
Referred to NKR Member Center



As of 4/12/2022

Includes donor registrants from all NKR websites.

Donations Resulting from NKR Donor Referrals

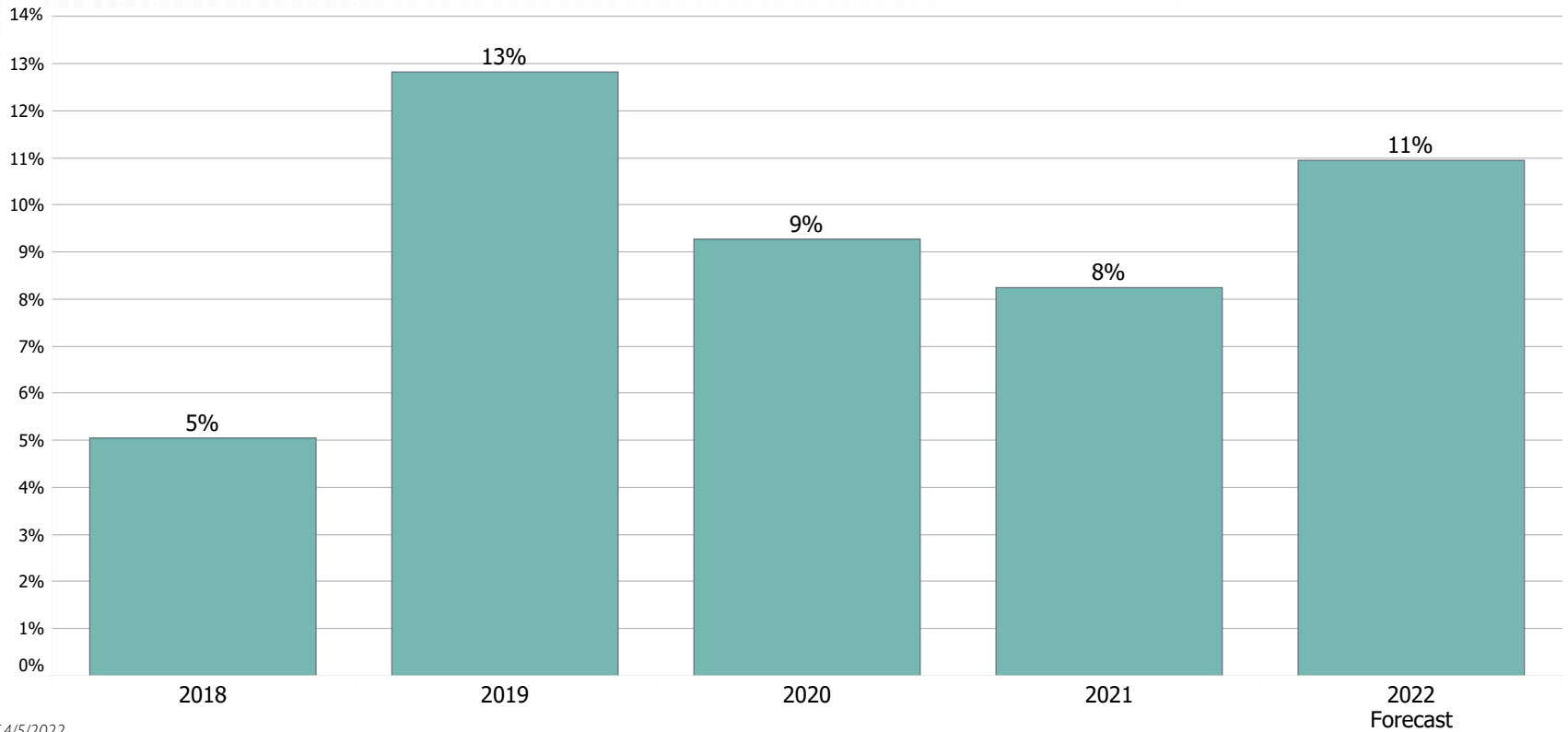


As of 4/12/2022

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 Donor Referral Conversion Rates

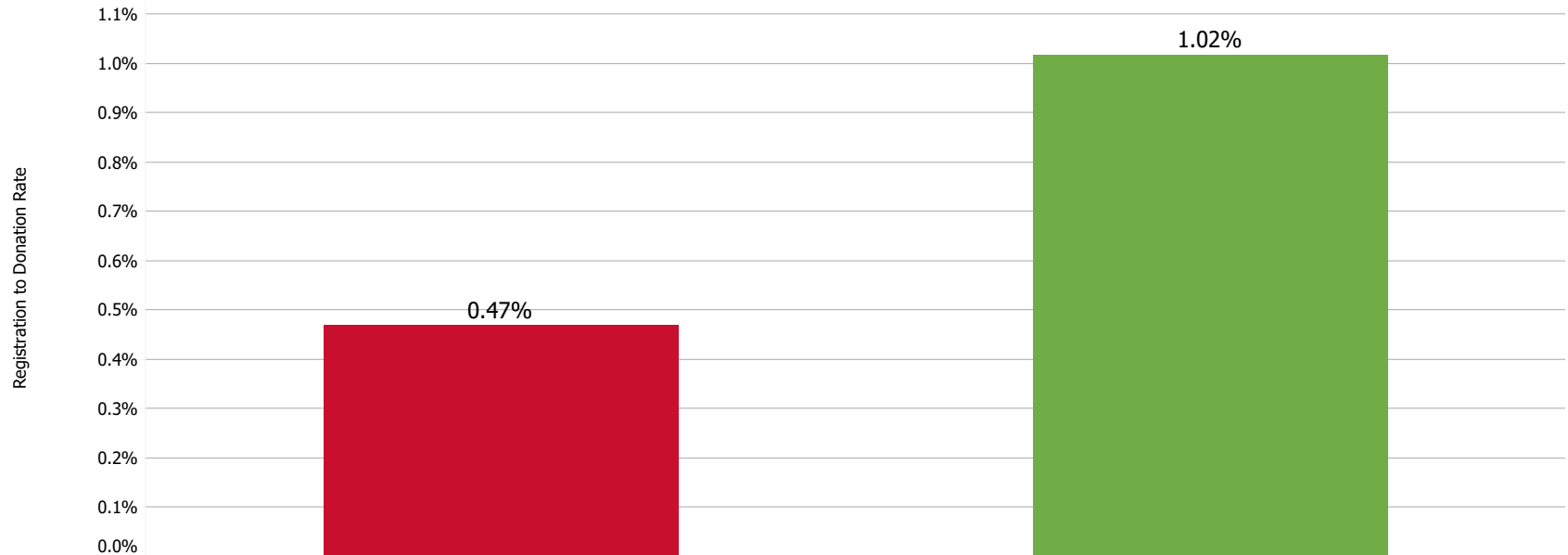


As of 4/5/2022

Formula: Donations / Avg. (Year + Prior Year Referrals)

Donor Connect Registration to Donation Rate

4/1/2021 – 3/31/2022

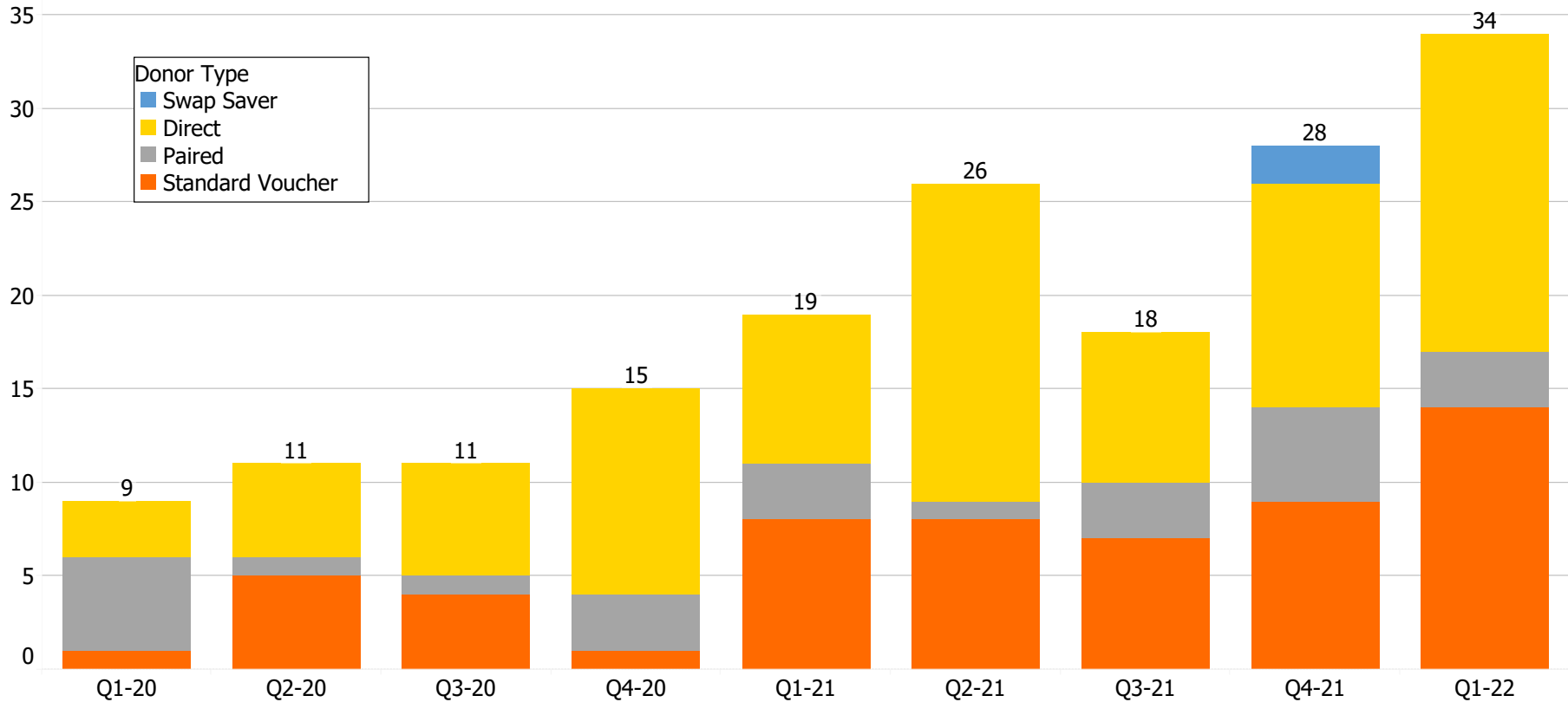


	Without Mentor	With Mentor
Donations	35	28
Registrations	7,482	2,751

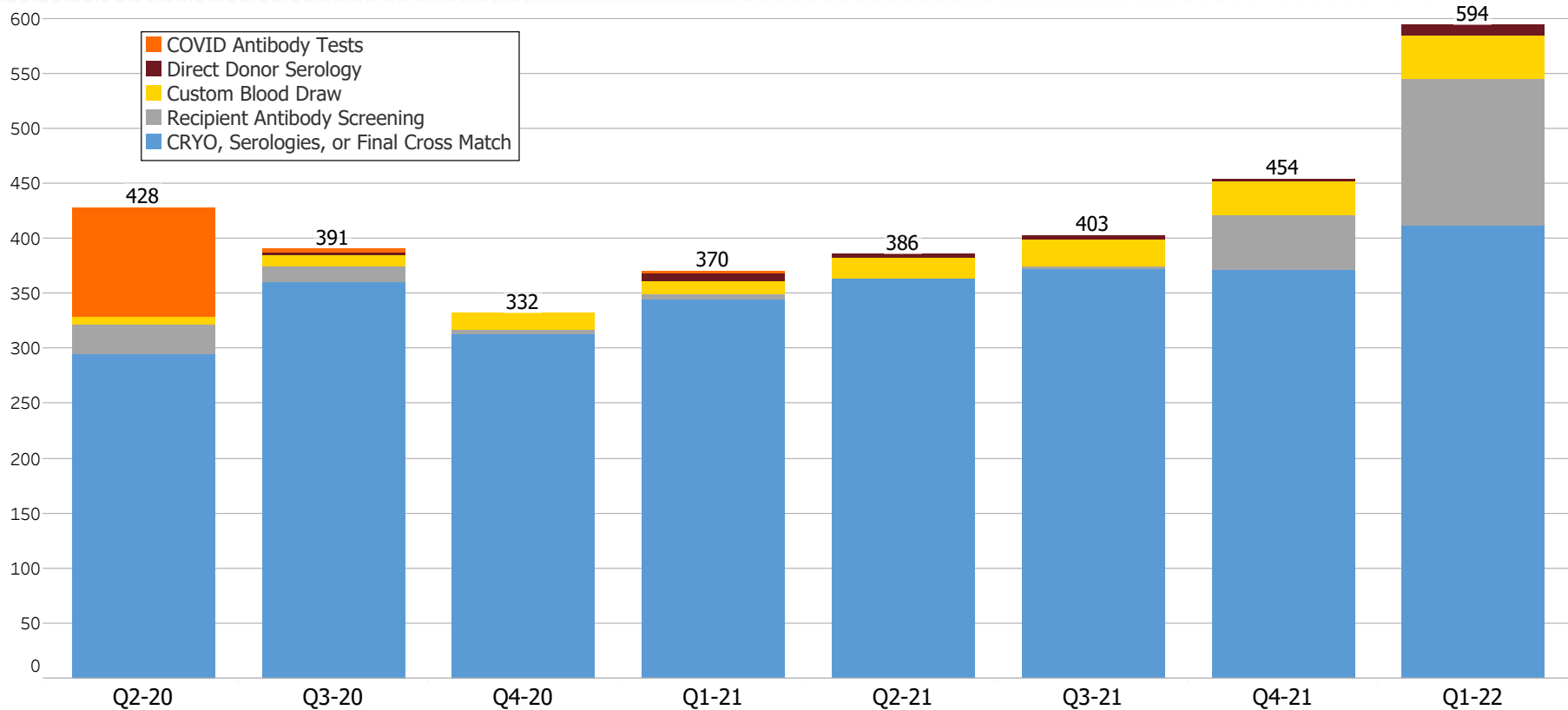
As of 4/20/2022

Includes donor registrations from all NKR websites.

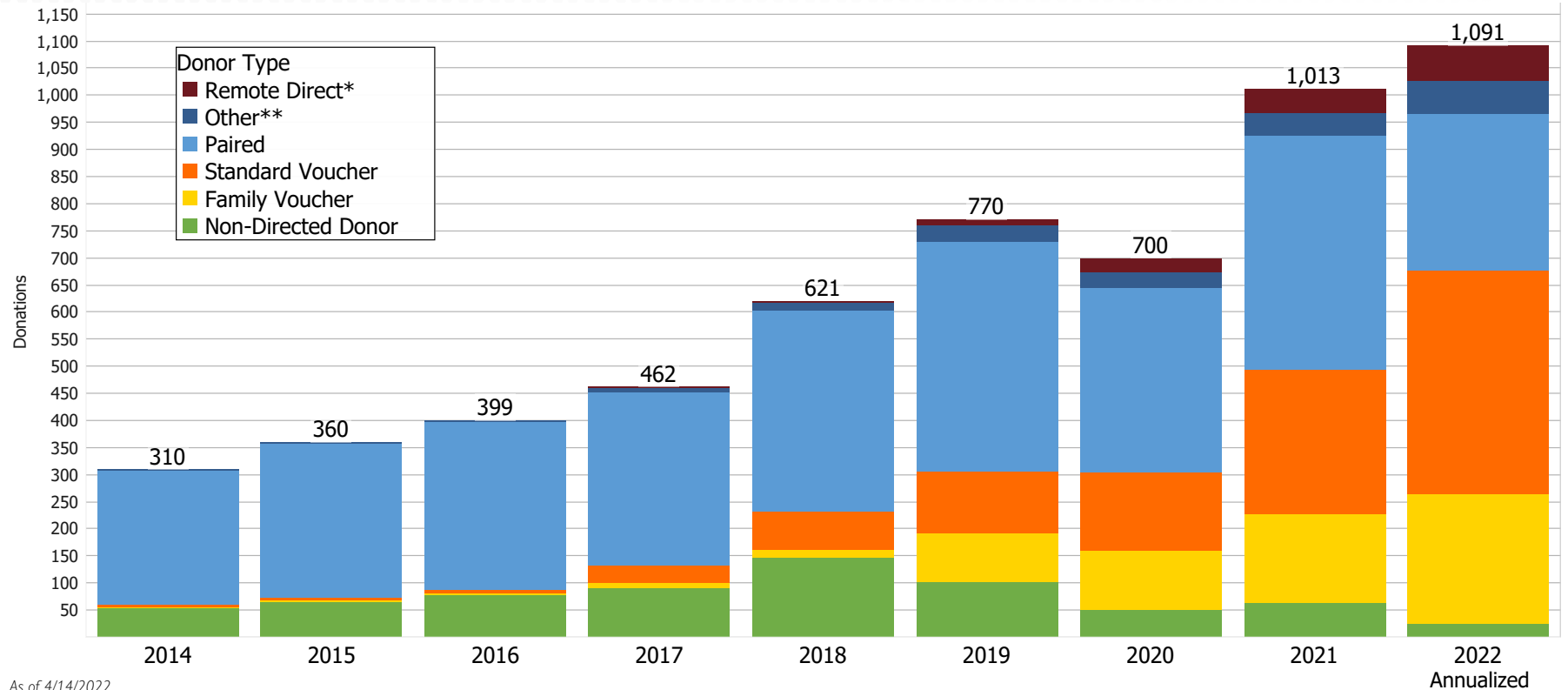
Remote Donations by Donor Type



Home Blood Draw Requests



NKR Facilitated Kidney Donations by Donor Type

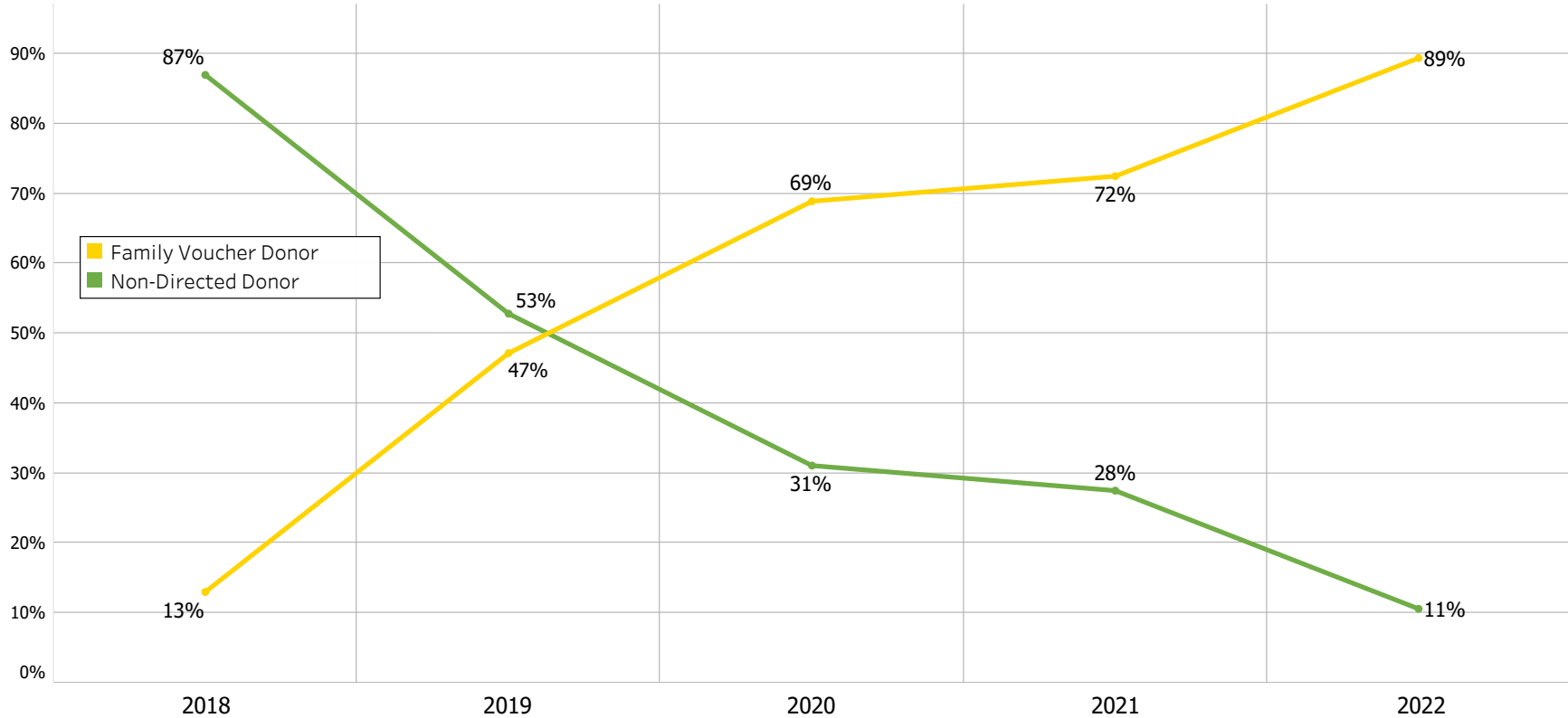


As of 4/14/2022

*Includes remote direct and KFL remote direct donations

**Includes swap saver and real time swap failure donors

Transition to Family Voucher Donation

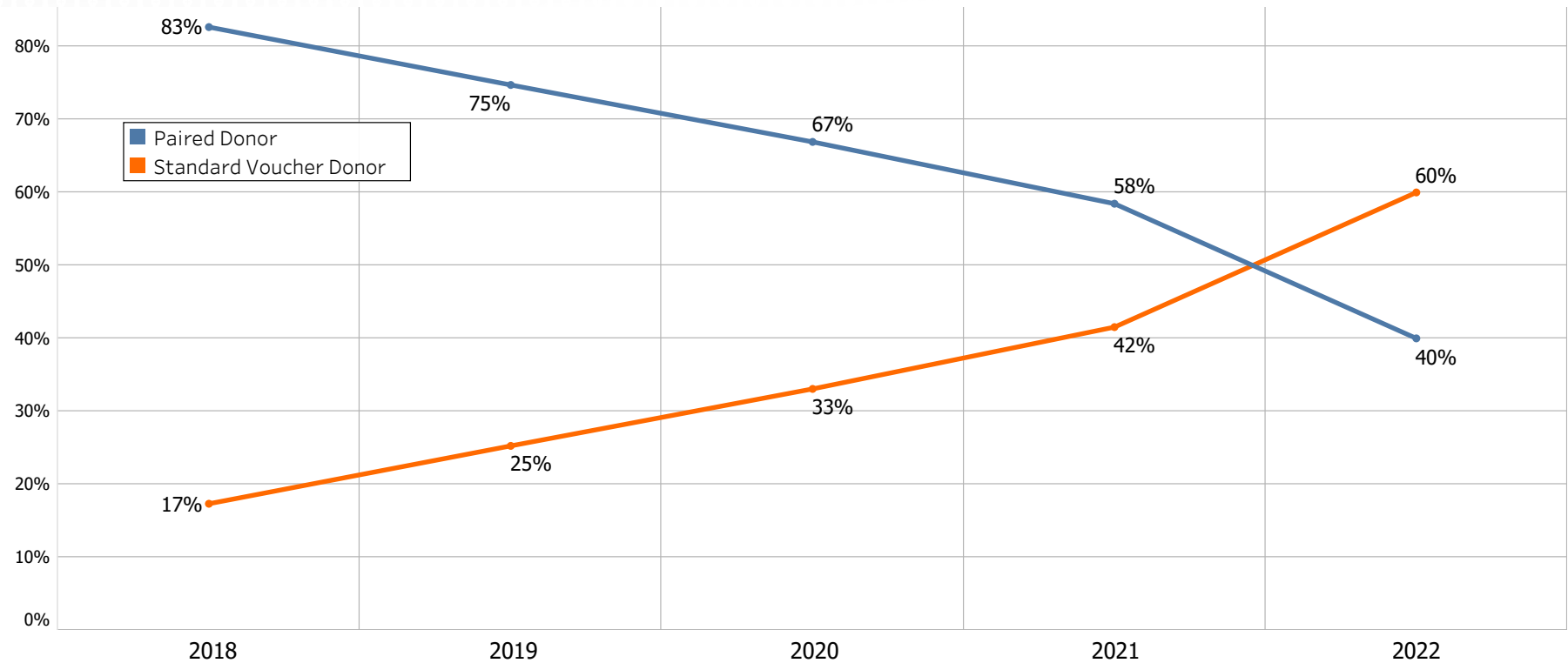


As of 4/5/2022



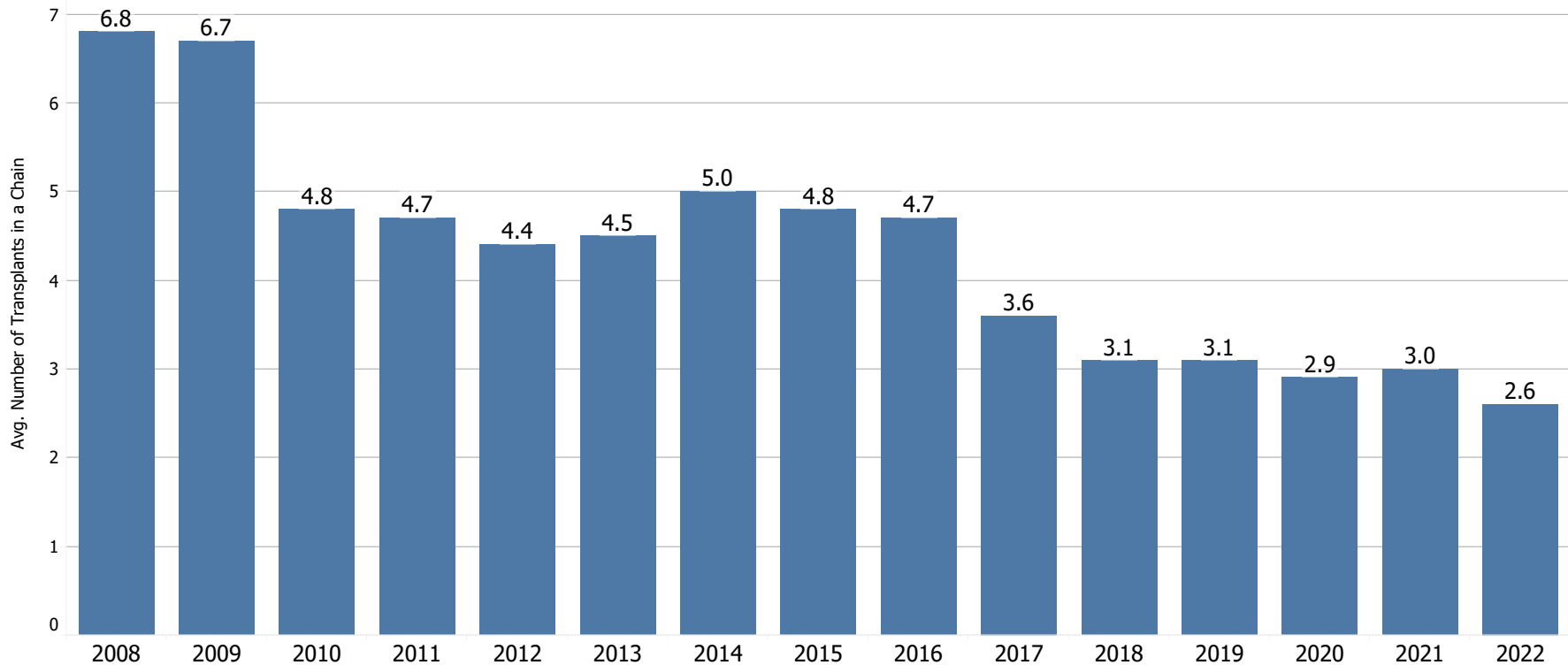
Uncoupling Trend

Transition from Paired to Standard Voucher Donation



As of 4/5/2022

Average Chain Length

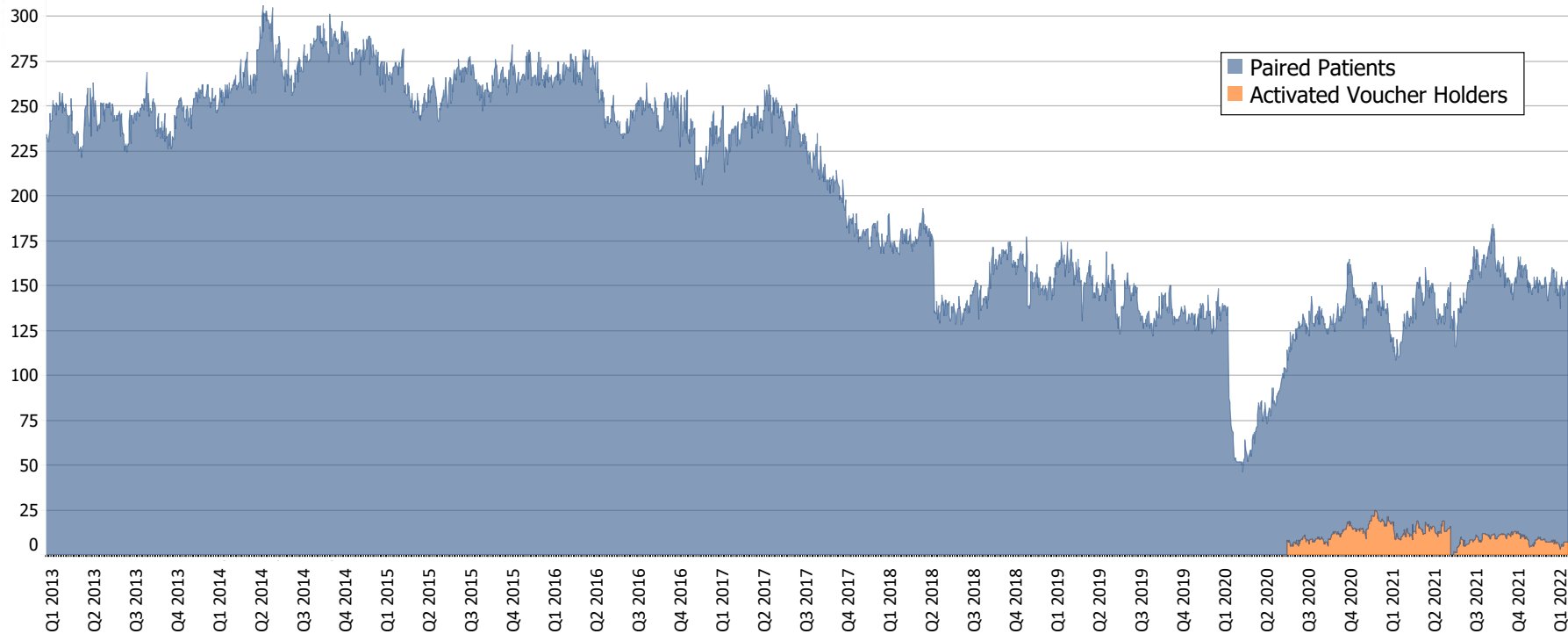


As of 4/13/2022

A chain starts with a Good Samaritan donor and ends with a waitlist patient.

Pool Size

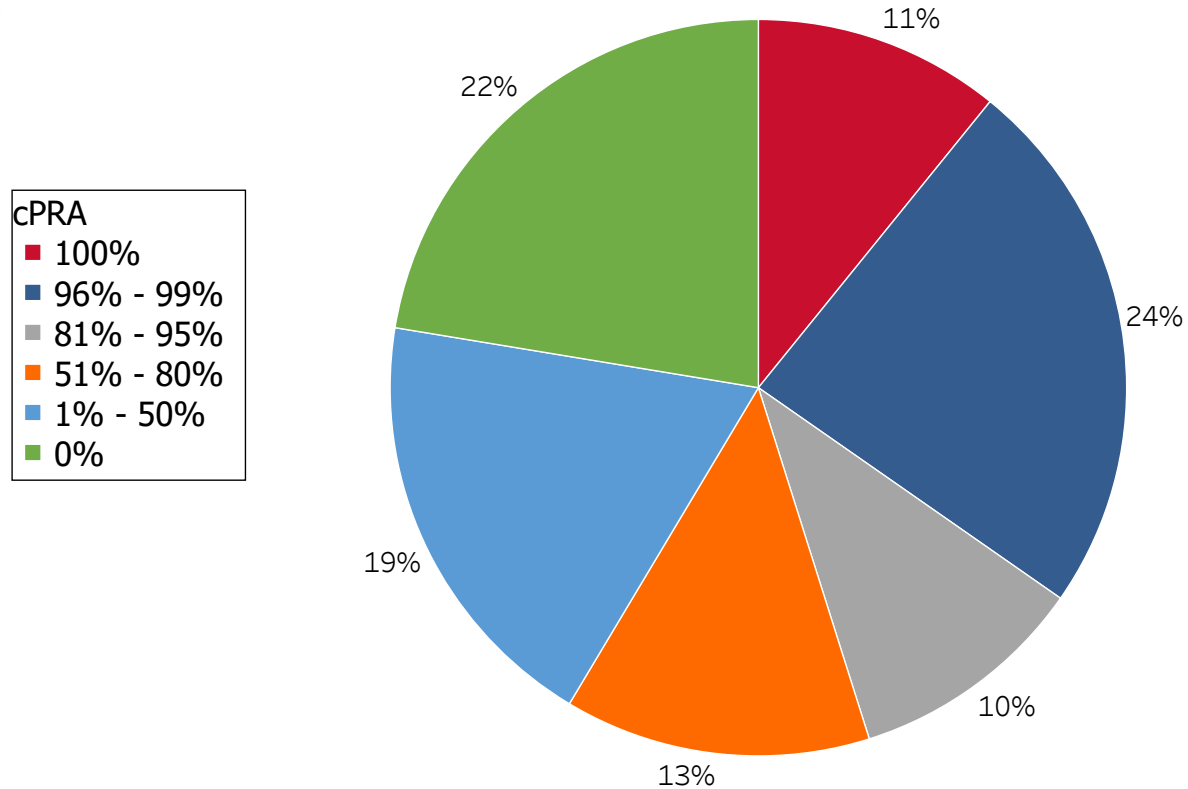
Unmatched Patients



Pool snapshot was modified in July 2020 to include activated voucher holders.
As of 4/6/2022

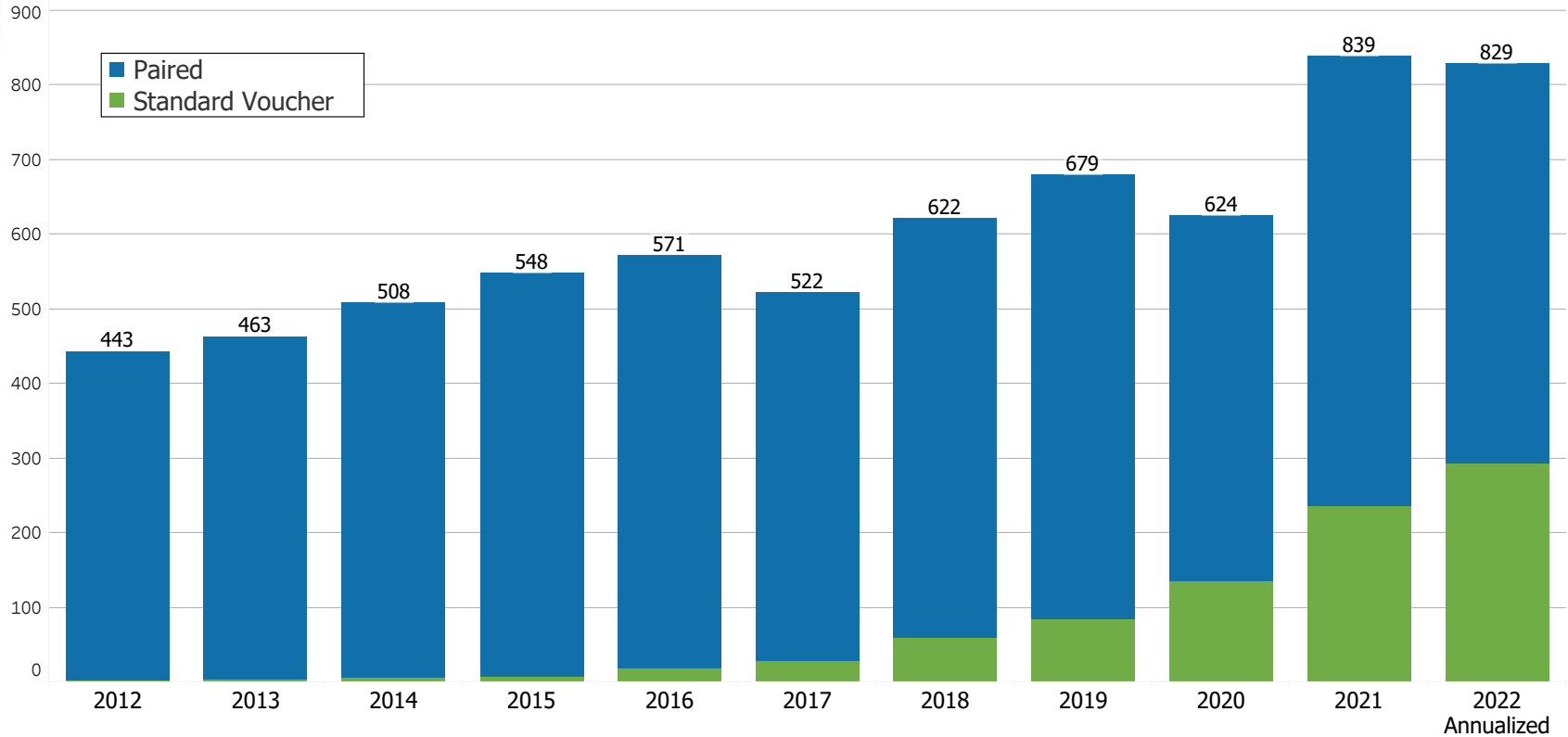
Pool Composition by cPRA

Unmatched Paired and Voucher Patients



As of 4/5/2022

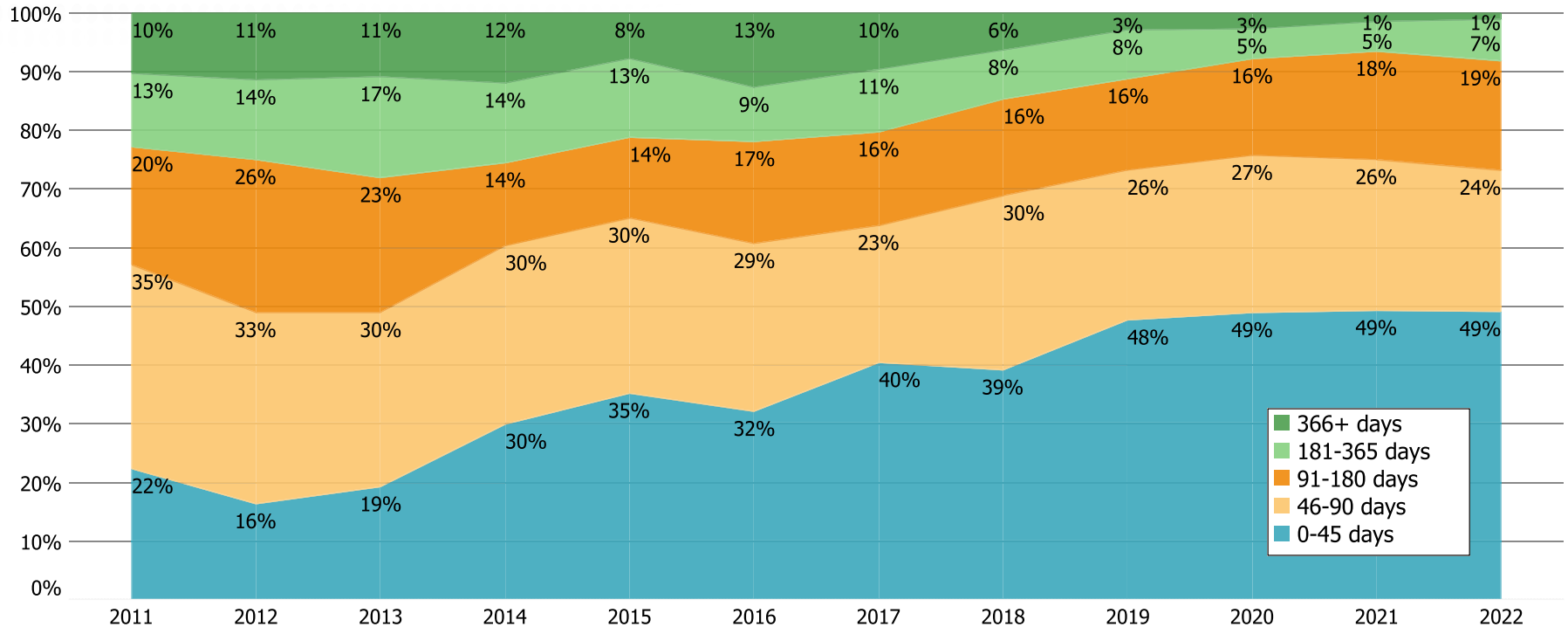
New Exportable Patients



As of 4/6/2022

Wait Time Distribution

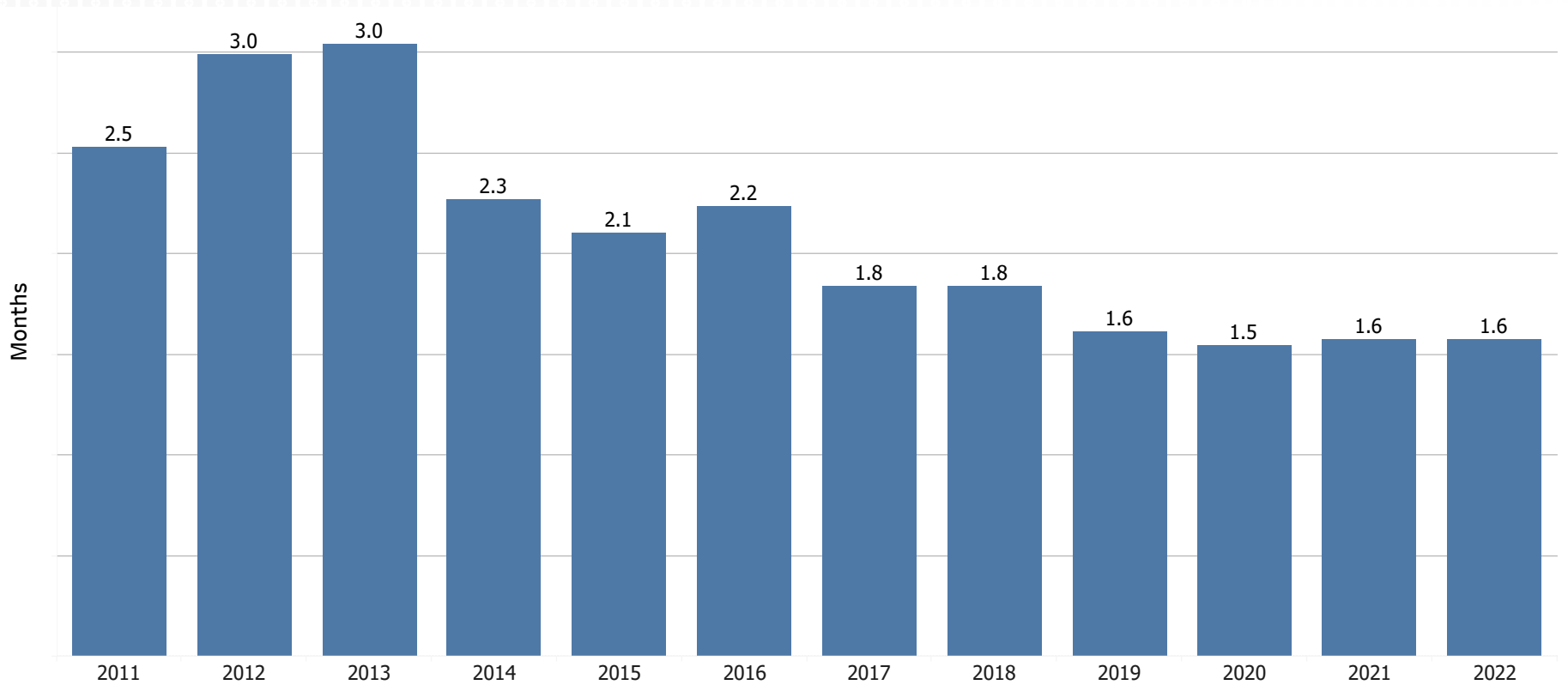
From Exportability to Transplant



As of 4/6/2022

Excludes all non-KPD and WLP transplants.

Median Wait Time to Transplant

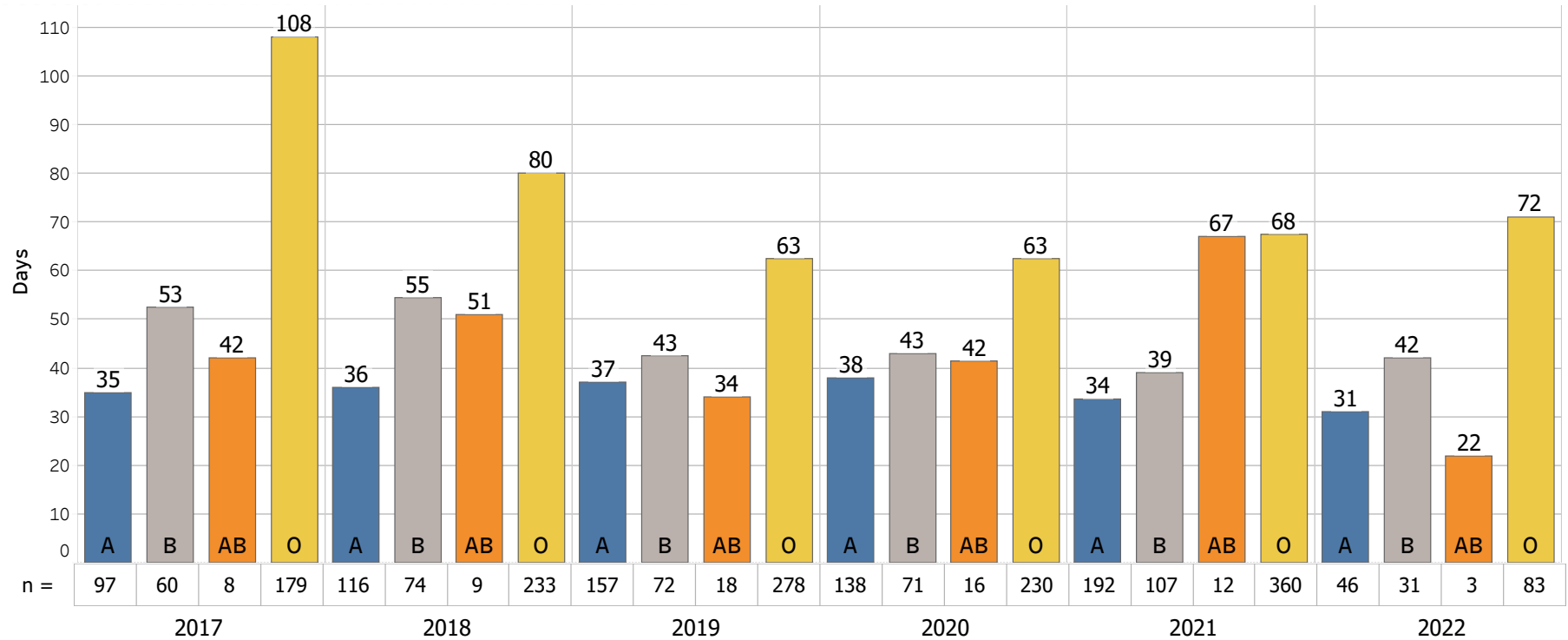


As of 4/5/2022

Excludes all non-KPD and WLP transplants.

Median Wait Time by Blood Type

From Exportability to Transplant



As of 4/8/2022

Excludes all non-KPD and WLP transplants.

Patients Waiting More Than 1 Year

Due to High cPRA

Paired Patients

#	Patient ID	Patient ABO	cPRA	Months Wait
1	5501	B	100.00	76
2	5607	O	100.00	48
3	9640	O	100.00	40
4	9374	B	100.00	35
5	10311	O	100.00	31
6	10986	O	100.00	30
7	10832	A	100.00	24
8	12565	O	100.00	18
9	12495	B	100.00	18
10	12141	A	100.00	16
11	11316	O	100.00	13
12	12531	O	100.00	12
13	8314	O	99.99	36
14	11785	A	99.99	20
15	9702	O	99.99	16
16	12411	A	99.97	19
17	6459	O	99.96	61
18	11903	O	99.95	19
19	12794	O	99.84	13

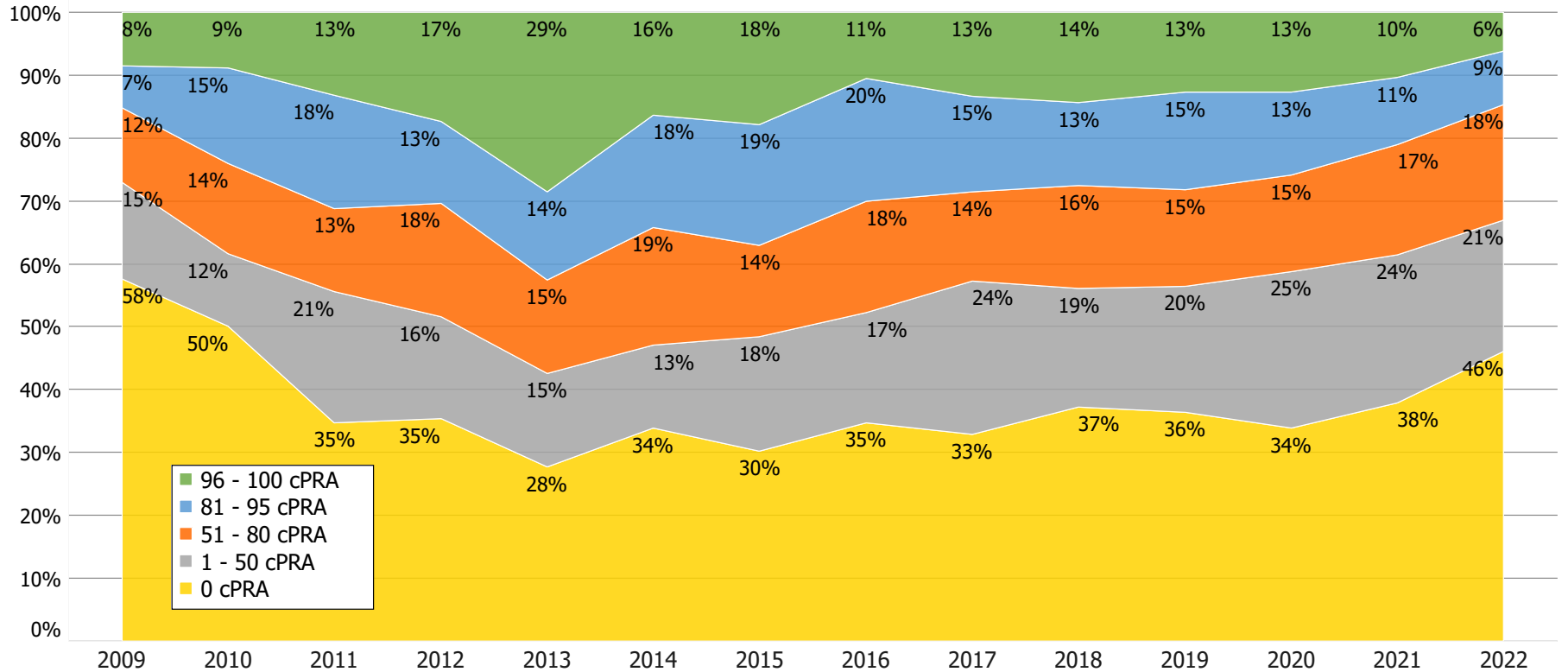
Voucher Patients

#	Patient ID	Patient ABO	cPRA	Months Wait
1	3281	AB	100.00	90
2	10448	O	100.00	31
3	13055	O	100.00	16
4	12712	B	100.00	16
5	13023	A	100.00	12
6	10069	A	99.99	31
7	11047	A	99.99	27
8	12103	A	99.99	17
9	11378	A	99.97	27
10	12432	O	99.97	17
11	10982	B	99.92	28
12	11385	B	99.64	12

As of 4/27/2022

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

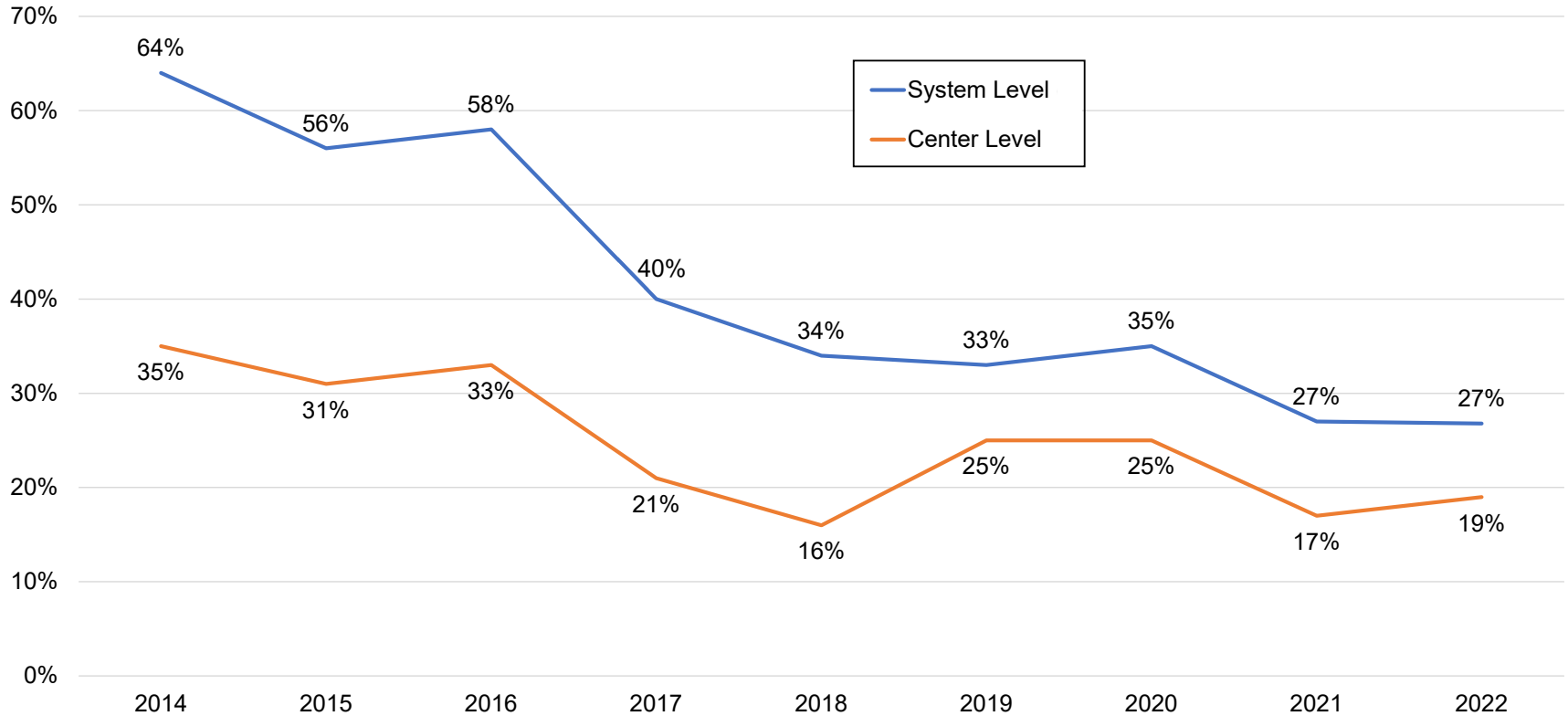
Transplanted Recipients by cPRA



As of 4/5/2022

Excludes all non-KPD and WLP transplants.

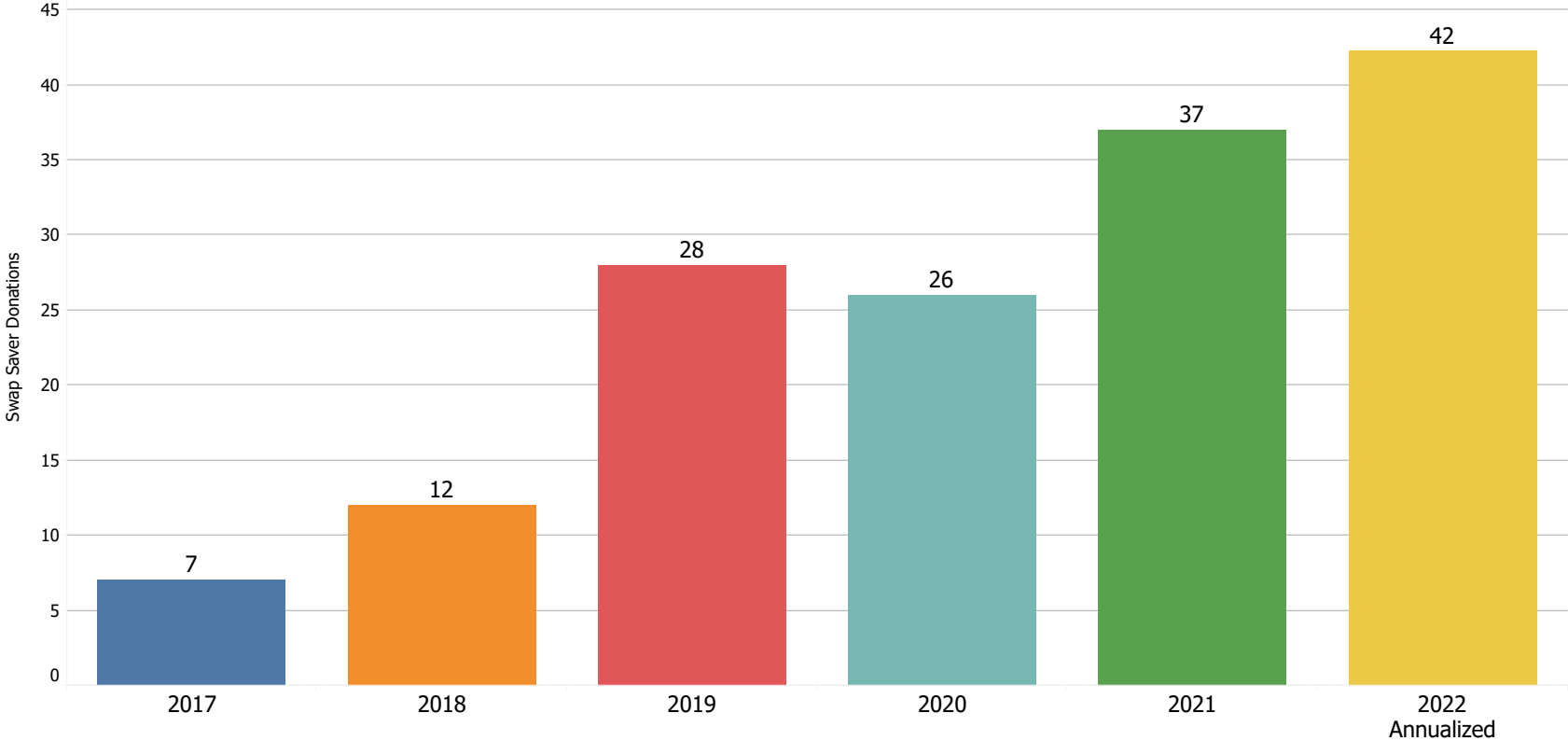
Swap Failure Rates



As of 4/7/2022

System level formula: $(1 - (\text{transplants} / \text{commenced XMs}))$ Center level formula: $(\text{swap failures} / \text{transplants})$

Swaps Saved by Swap Saver Voucher Donors



As of 4/5/2022



Resources

NATIONAL KIDNEY REGISTRY
 About For DONORS For PATIENTS For CENTERS Media Center Login

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

The National Kidney Registry is dedicated to increasing the number of kidney transplants from living donors, improving donor-recipient matches for longer-lasting transplants, and offering protection and support to living kidney donors to make the kidney donation process safer, easier and more convenient.

5,939
 NKR-Facilitated Transplants

I need a kidney transplant | I am considering donating my kidney

Better Matches, Better Outcomes, Longer-Lasting Transplants

Leading the World in Comprehensive Donor Support & Protections

Donor Support & Protections
 What is Donor Shield?

Donor Protections Find Donor Shield Video Resources FAQ Donate a Kidney

kidneyregistry.org

DONOR SHIELD
 Donor Protections Find Donor Shield Video Resources FAQ Donate a Kidney

Protecting and Supporting Living Kidney Donors

through the entire kidney donation process

Learn More

Donor Support & Protections
 What is Donor Shield?

donor-shield.org

KIDNEY TRANSPLANT CENTERS
 ALL UNITED STATES KIDNEY TRANSPLANT CENTERS RANKED

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

Donors Recipients Outcomes (Adult) Outcomes (Pediatric)

Rank Center Name State

Rank	Center Name	State	100% Donor-Recipient Match	100% Donor-Recipient Match	100% Donor-Recipient Match	100% Donor-Recipient Match	100% Donor-Recipient Match	100% Donor-Recipient Match	100% Donor-Recipient Match	100% Donor-Recipient Match
1	University of Minnesota Medical Center	MN	✓	✓	✓	✓	✓	✓	✓	✓
2	MedStar Georgetown University Hospital	DC	✓	✓	✓	✓	✓	✓	✓	✓
3	Mayo Clinic Arizona	AZ	✓	✓	✓	✓	✓	✓	✓	✓
4	UCSF Medical Center	CA	✓	✓	✓	✓	✓	✓	✓	✓
5	University of Pennsylvania Hospital	PA	✓	✓	✓	✓	✓	✓	✓	✓
6	Mayo Clinic Rochester	MN	✓	✓	✓	✓	✓	✓	✓	✓

Find a center within: 100 miles (drag left or right) ZIP:

Filters:

kidneytransplantcenters.org

DONOR CARE NETWORK
 About Support & Protections Programs Commitments Education Donate a Kidney

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.

5,259
 Donors Protected

Donor Shield: The Most Comprehensive Suite of Donor Protections

donorcarenet.org

KIDNEY FOR LIFE
 For Patients For Centers About I Need a Kidney

Kidney for Life Initiative
 Better matches, fewer graft failures, reduced immunosuppression

Why Kidney for Life?
 Better Donor-Recipient Matches.

- Reduced Risk Of De Novo Antibodies
- Lower Risk Of Rejection
- Less Risk Of Graft Failure

kidneyforlife.org

LIVING DONOR GAMES
 Competitions Athletes Workouts News Considering Kidney Donation

ARE YOU UP FOR THE CHALLENGE OF THE DONOR GAMES?

KIDNEY DONORS, TRANSPLANT RECIPIENTS AND INTERESTED ATHLETES

In a general population survey, 80% 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.

livingdonorgames.org