



NATIONAL KIDNEY REGISTRY®
FACILITATING LIVING DONOR TRANSPLANTS

Quarterly Report

Q3 2022

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Message from the Founder & CEO



The NKR is on track to facilitate 18% of all living donor kidney transplants in the United States this year. Our year-to-date volume is up 3% over last year, but we are experiencing a strong fourth quarter and should end the year up 5%–10%.

Our Kidney for Life program continues its rapid growth, with low eplet mismatch transplants nearly doubling this year. We will refer approximately 500 ESRD patients interested in the Kidney for Life program to our Members Centers this year. We expect to publish the results of our Kidney for Life prospective multicenter study in the spring of 2023.

The number of active microsites has doubled every year for the past three years. We will end the year with more than 2,000 microsites. To date, 169 microsite patients have received a living donor transplant. We are on track to register approximately 5,000 donors through our microsite platform this year. We expect these rapidly growing donor registrations to increase NKR's highly qualified donor referrals (labs completed) to our Member Centers by approximately 1,000 next year.

In this quarterly report, we have included a new chart that shows the top centers as measured by NKR donor referral conversion rates. Donations resulting from NKR donor referrals have nearly doubled this year (from 109 to 190). We expect this number to continue to increase as we optimize our referral process by improving donor service and reducing the number of centers included in our referral network.

Sincerely,

A handwritten signature in blue ink, appearing to read 'G. Hil', with a stylized flourish at the end.

Garet Hil

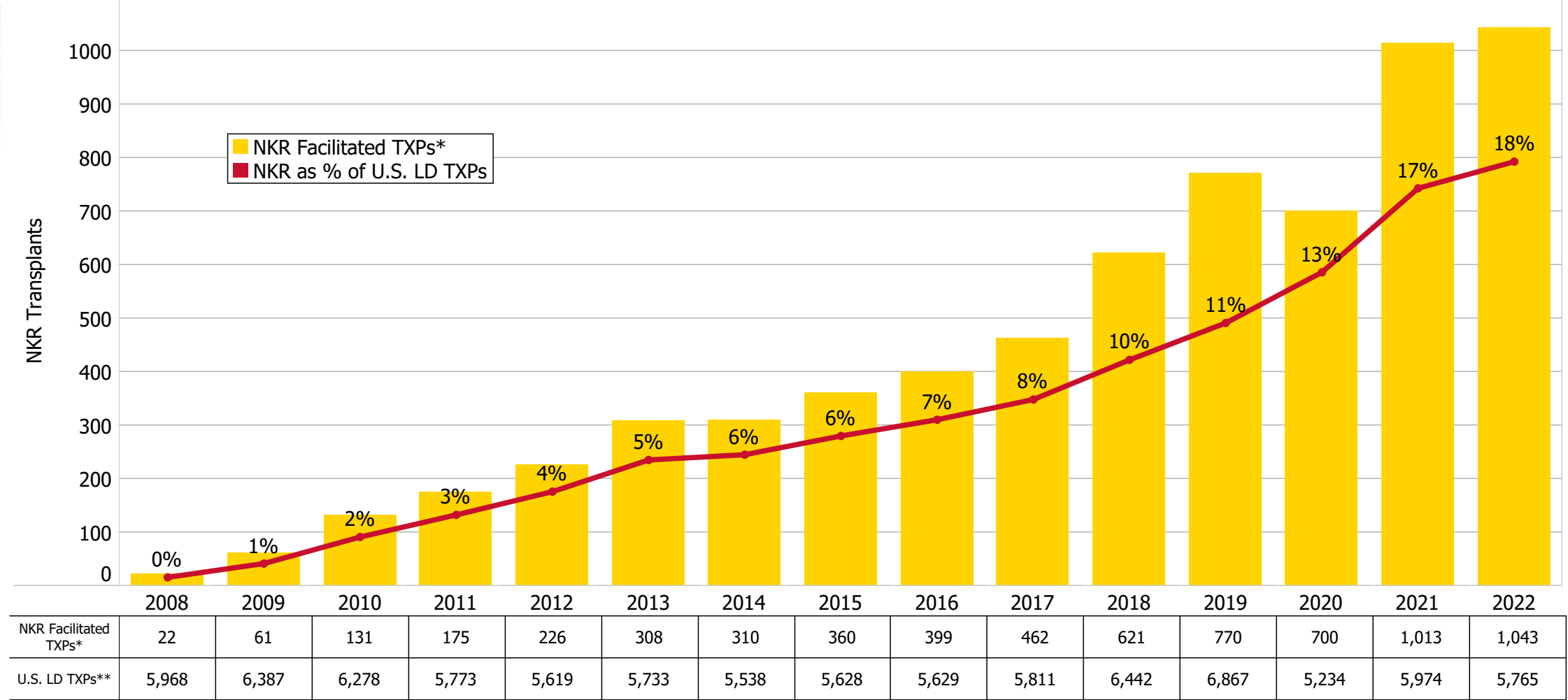
Founder & CEO

National Kidney Registry

Living Kidney Donor



NKR Facilitated Transplant Growth



Annualized

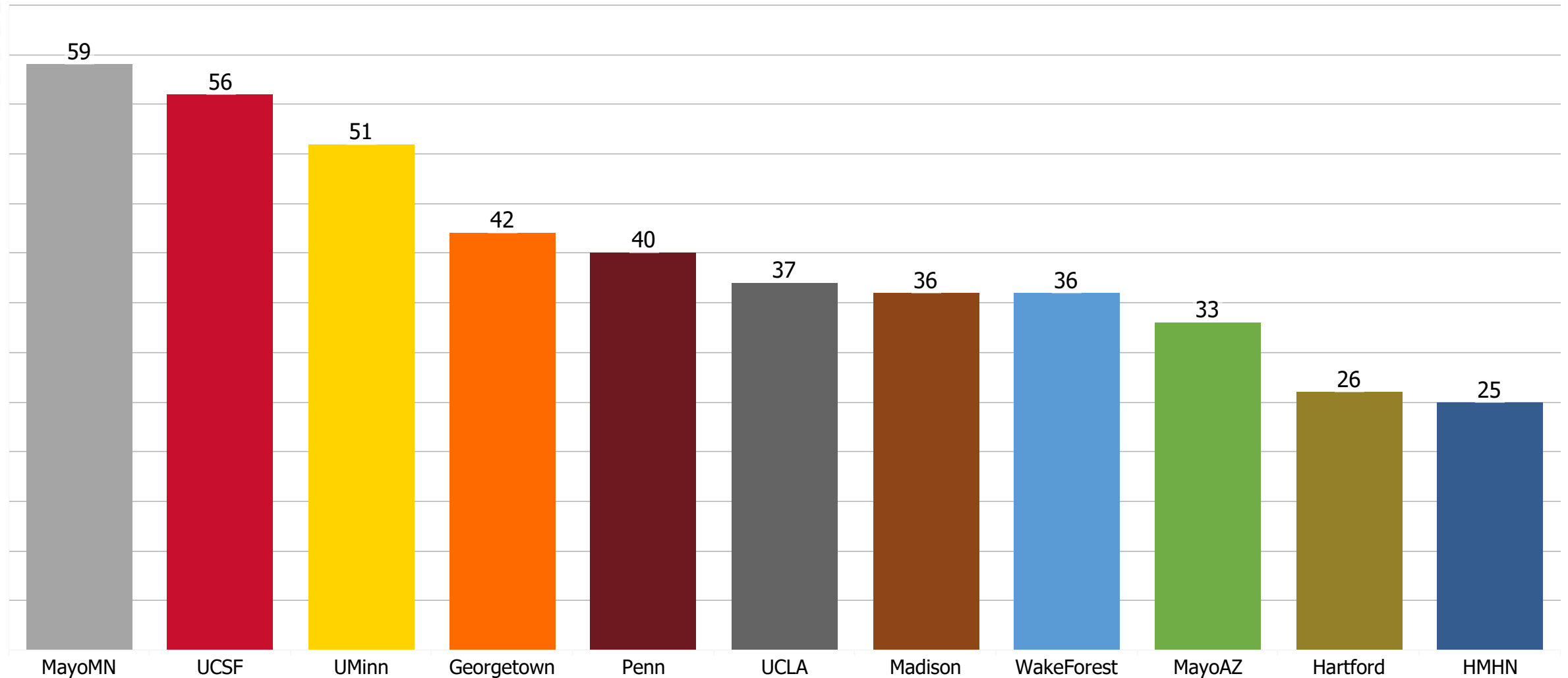
*NKR facilitated transplants (TXPs) include voucher, paired, remote directs, Kidney for Life remote directs, microsite internal direct, and waitlist patient transplants.

**<https://optn.transplant.hrsa.gov/data/> U.S. Living Donor (LD) Transplants Performed: 1/1/2008 - 9/30/2022, Based on OPTN data as of 10/6/2022; NKR Database accessed 10/6/2022



Top Centers

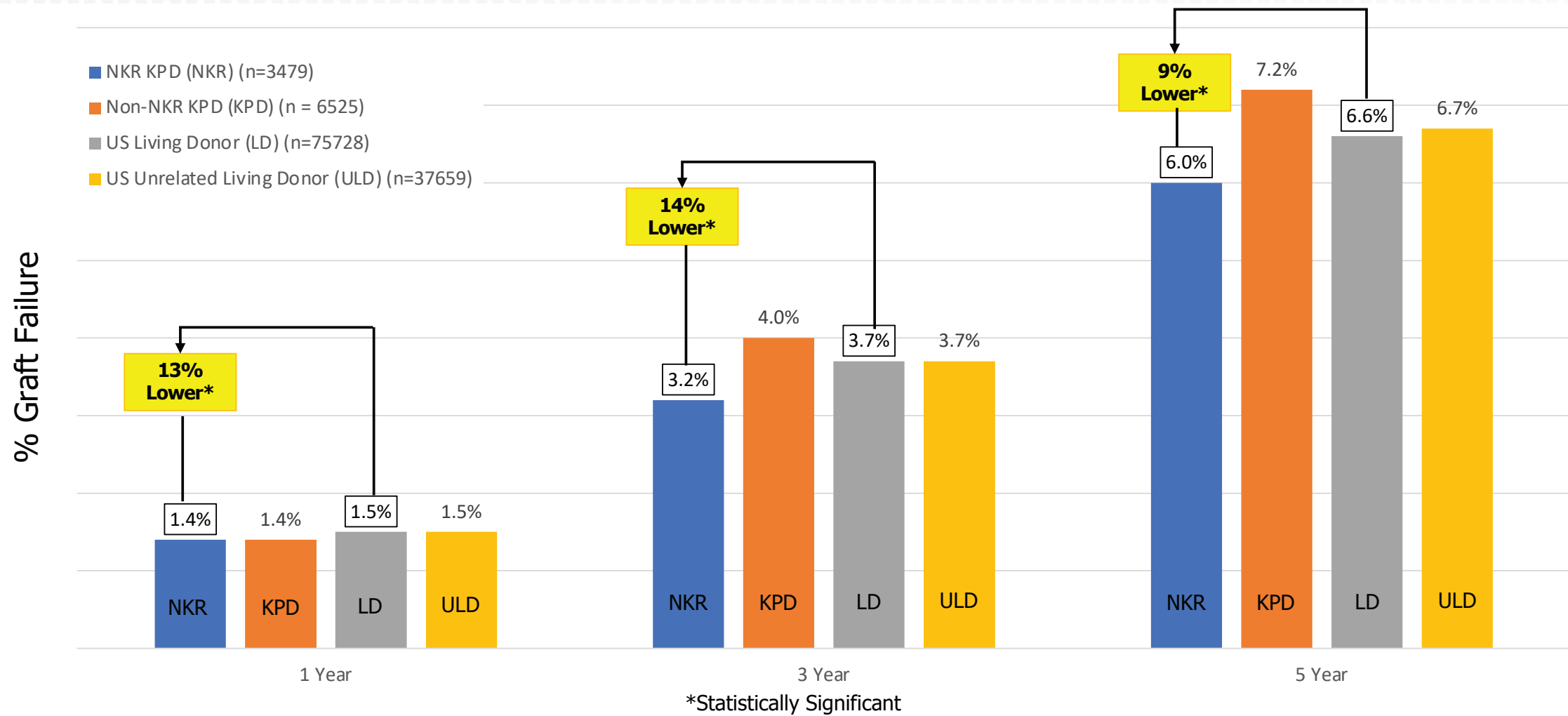
NKR Facilitated Transplants 10/1/2021 – 9/30/2022



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



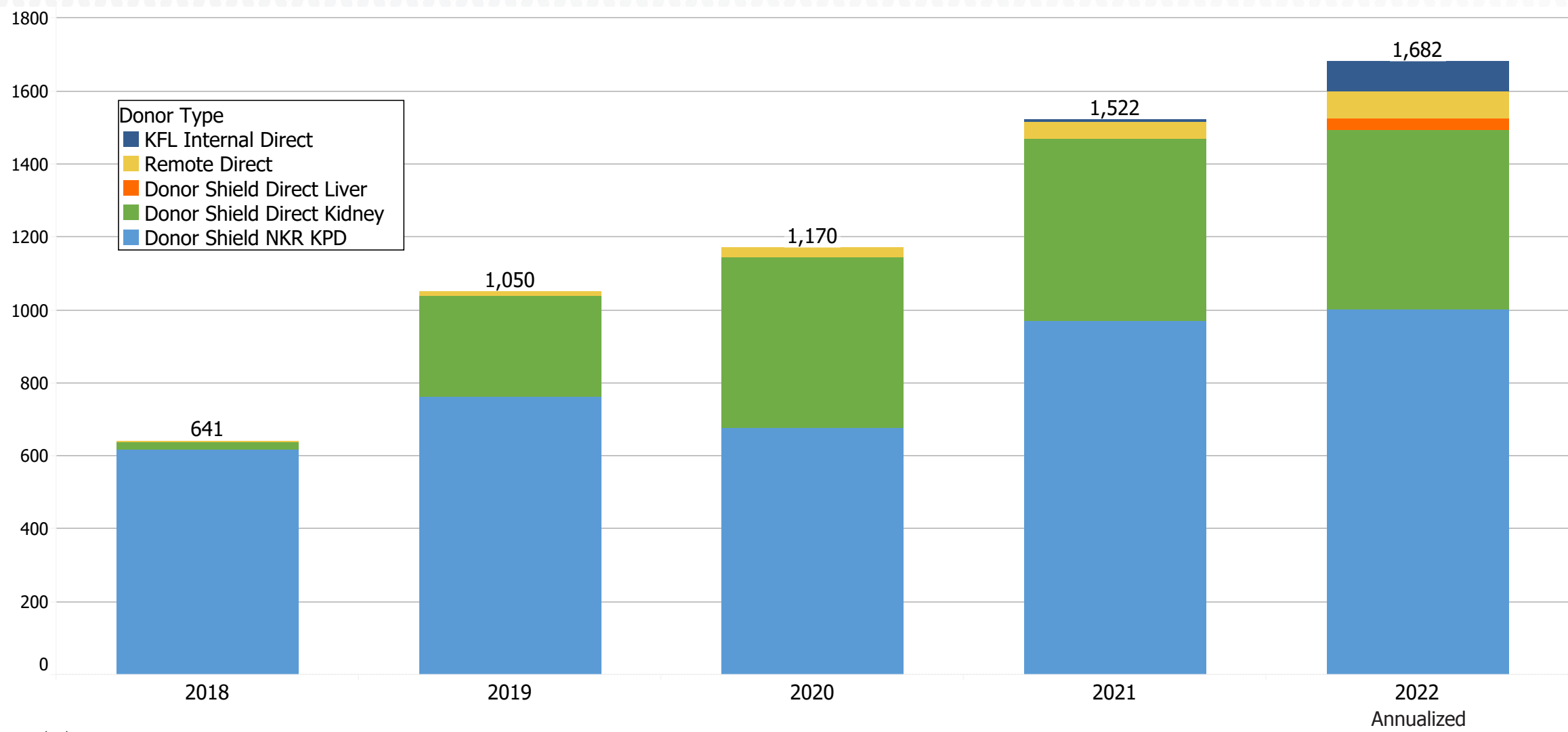
Death Censored Graft Failure Comparisons



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



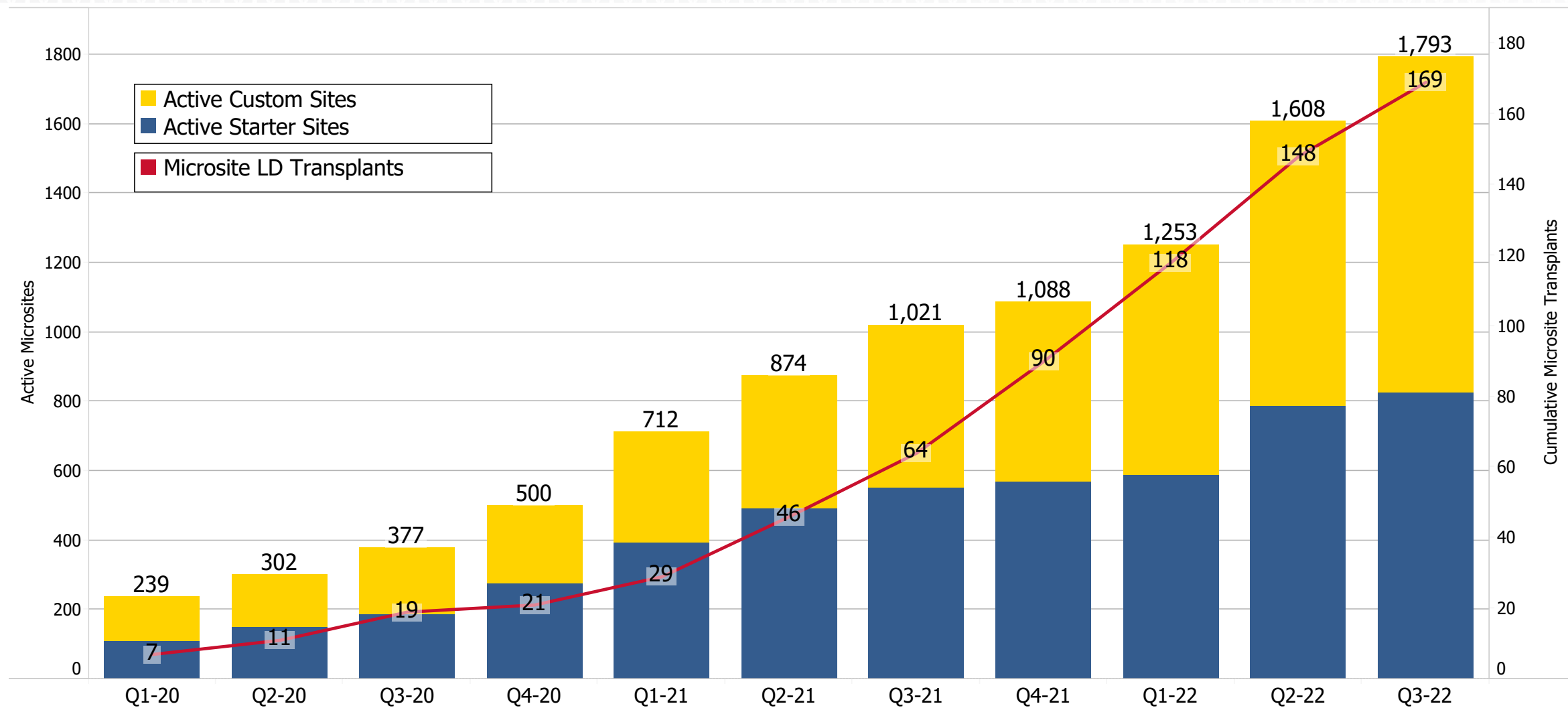
Living Donors Supported and Protected



As of 10/17/2022
To learn more about the Donor Shield protections [click here](#).



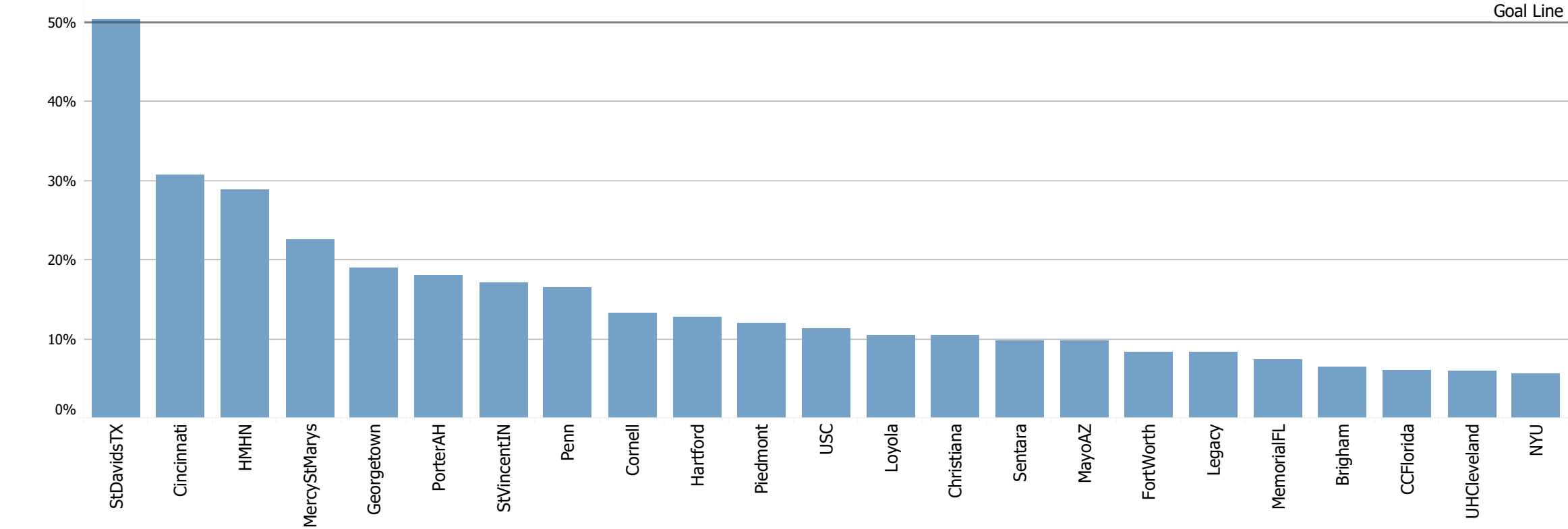
Microsite Growth



As of 10/6/2022
To learn more about the microsite program [click here](#).



Microsite Enrollment Success

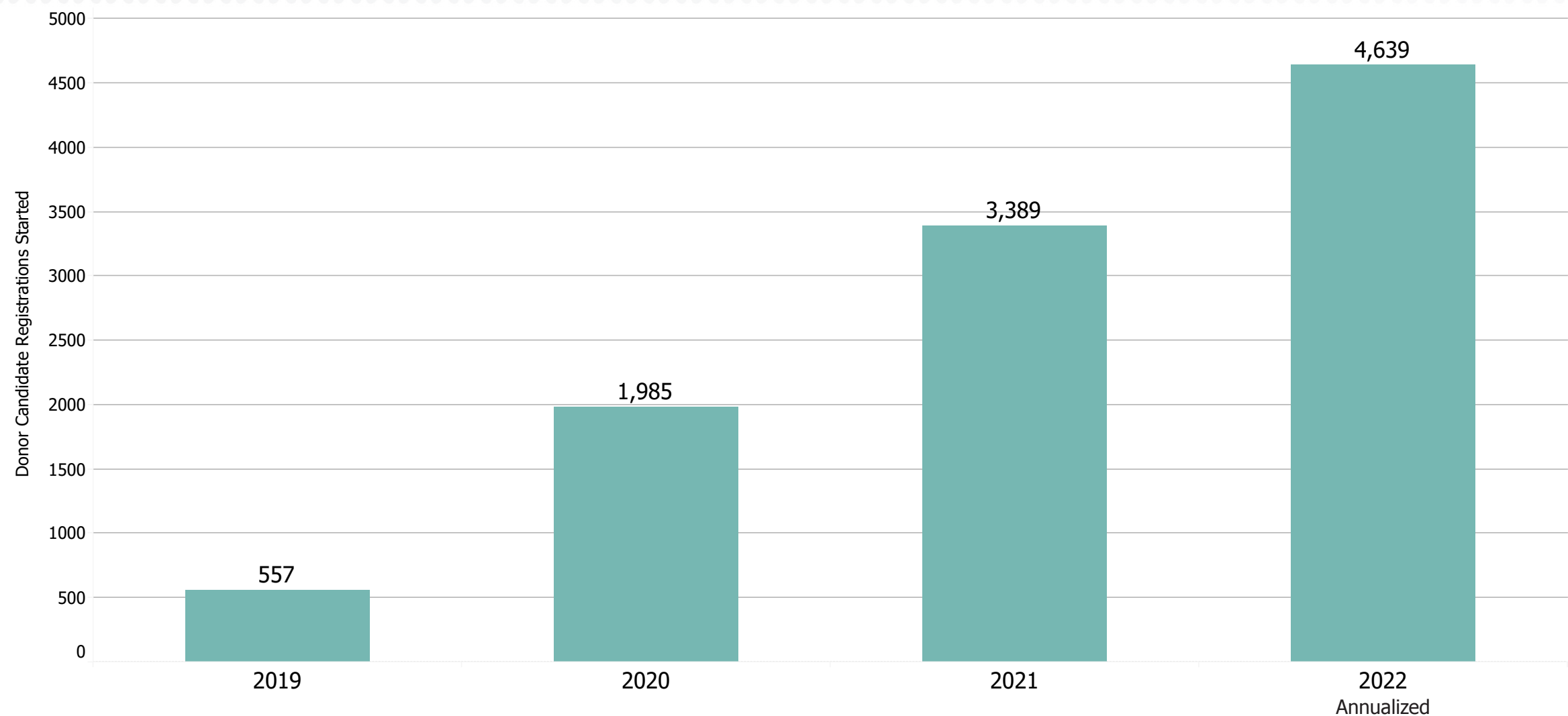


Active Microsites	68	86	102	65	140	39	44	246	122	49	108	159	36	15	47	66	10	20	9	29	53	25	30
Total Waitlist	135	280	353	289	741	217	259	1,489	921	383	908	1,405	342	144	477	674	120	240	122	451	874	425	532

As of 10/17/2022
Total waitlist from 2021
Formula: Active microsites / Waitlist count



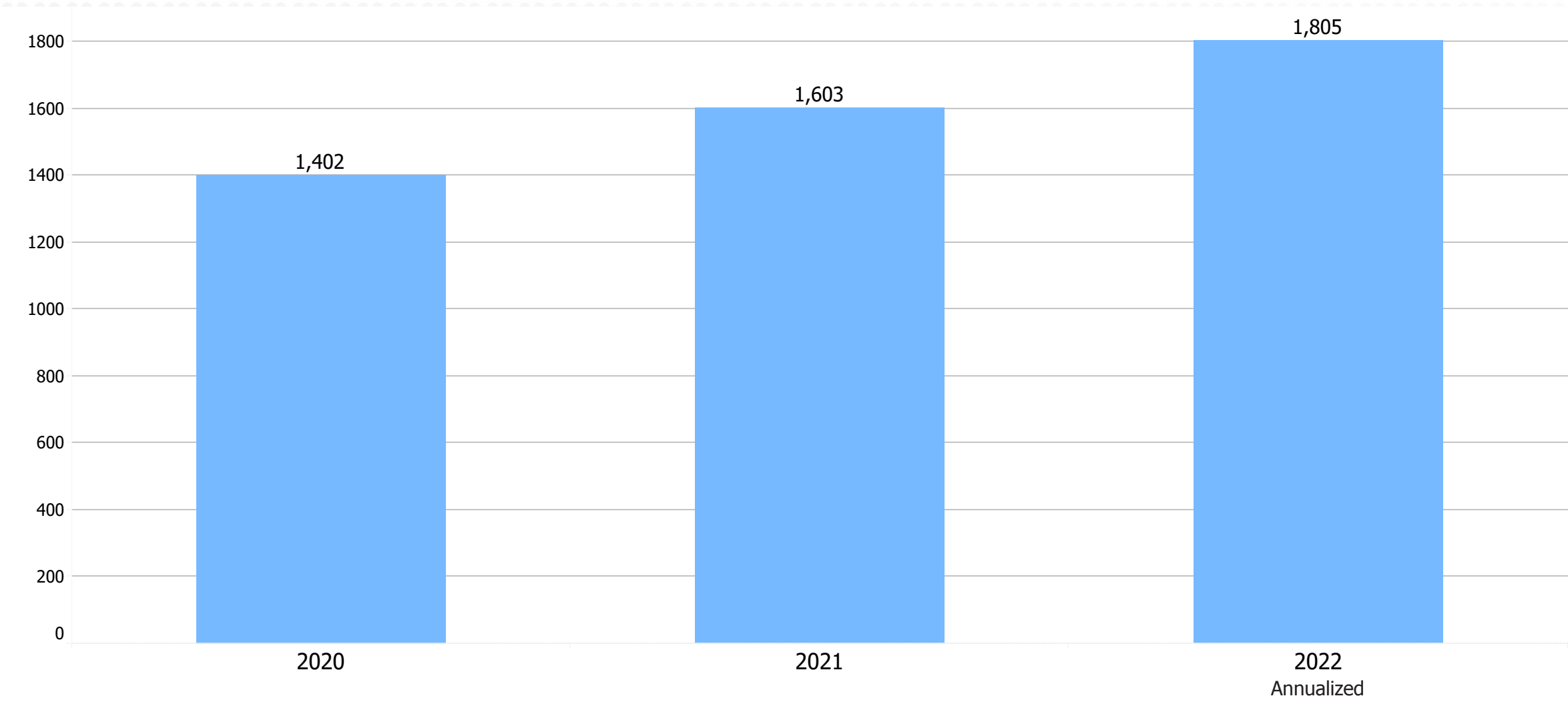
Microsite Donor Registrations



As of 10/17/2022
To learn more about the microsite program [click here](#).



Microsite Patient Referrals



As of 10/6/2022
To learn more about the microsite program [click here](#).



Microsite Centers

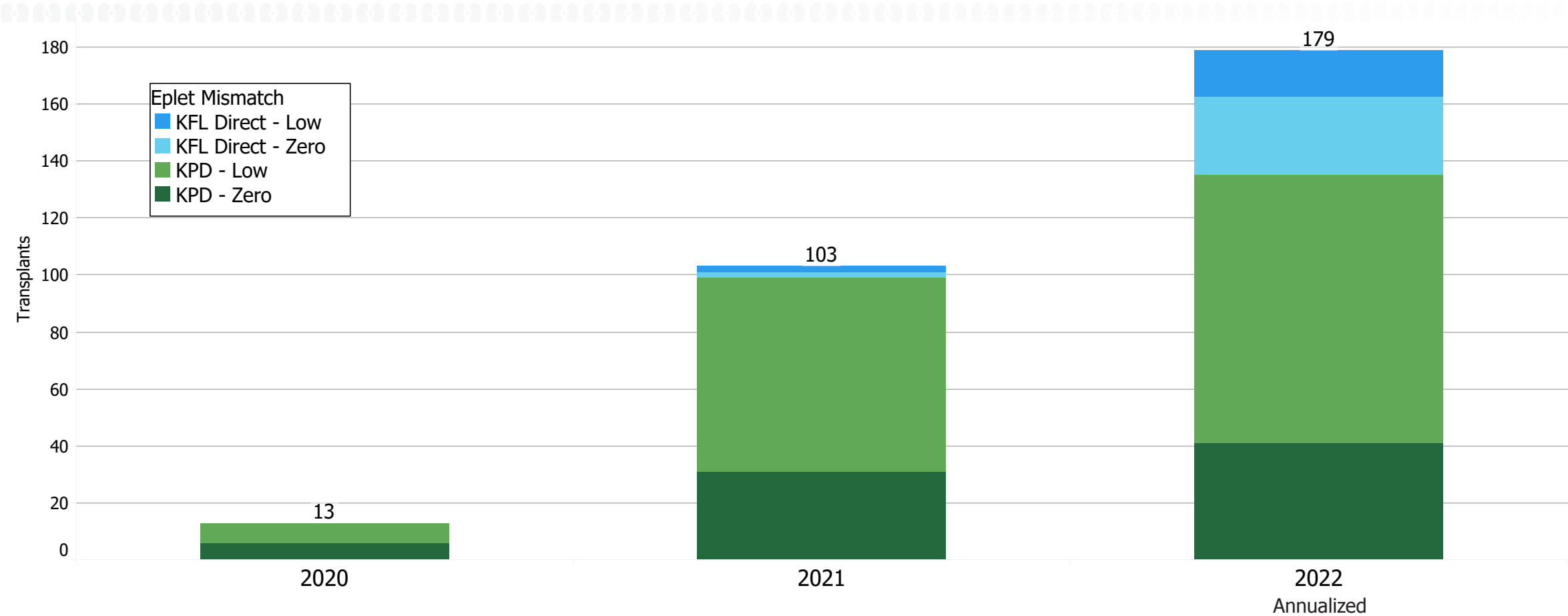


As of 10/4/2022
To see the latest microsite participating centers [click here](#).



Kidney for Life Transplants

Compatible and Incompatible Pairs

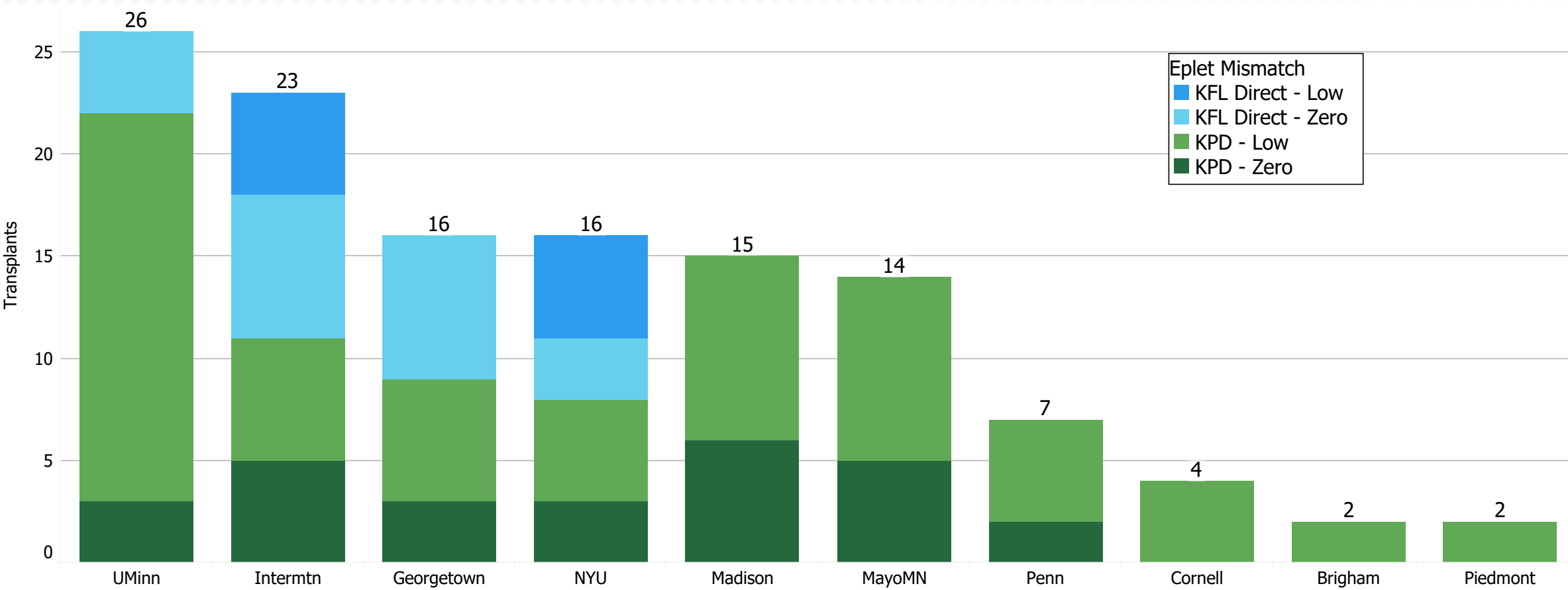


As of 10/21/2022
Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. <https://doi.org/10.1111/ajt.15177>
To learn more about the Kidney for Life program [click here](#).



Kidney for Life Low Eplet Mismatch Transplants

Compatible and Incompatible Pairs 10/1/2021 – 9/30/2022

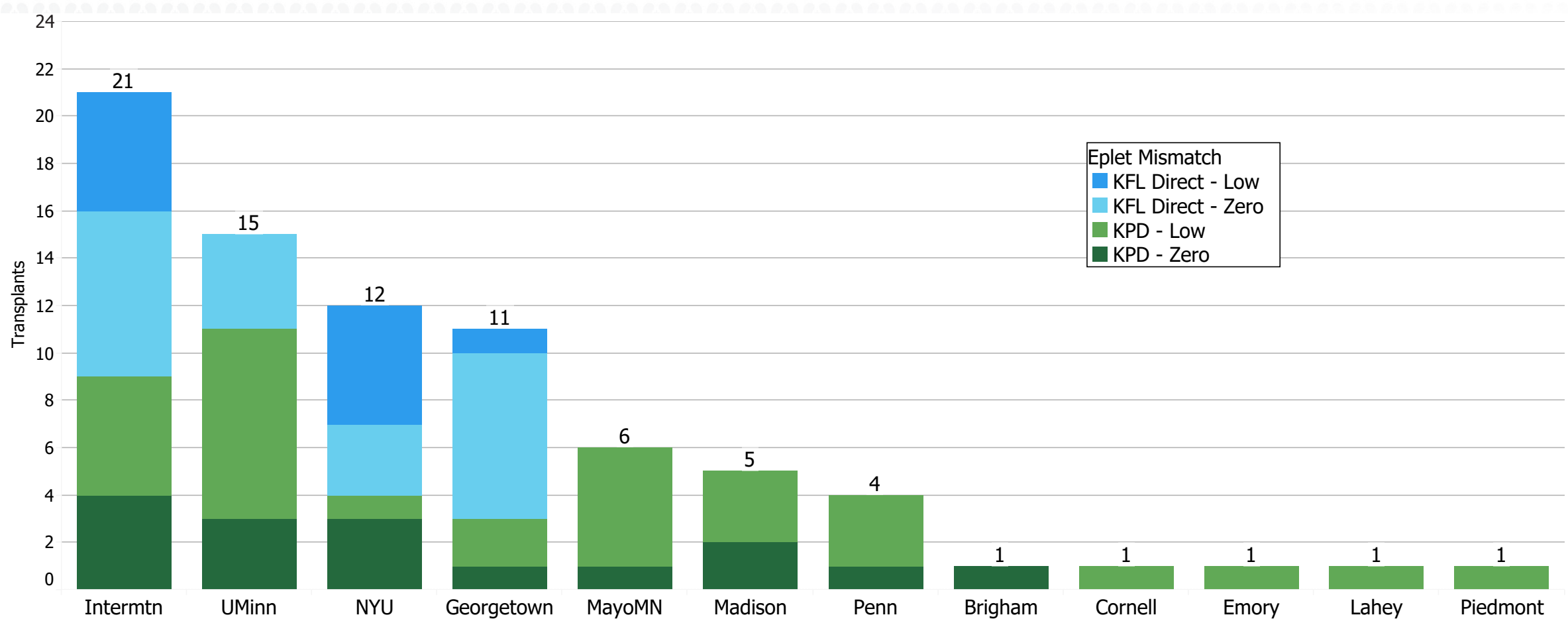


As of 10/21/2022
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To learn more about the Kidney for Life program [click here](#).



Kidney for Life Low Eplet Mismatch Transplants

Compatible Pairs 10/1/2021 – 9/30/2022

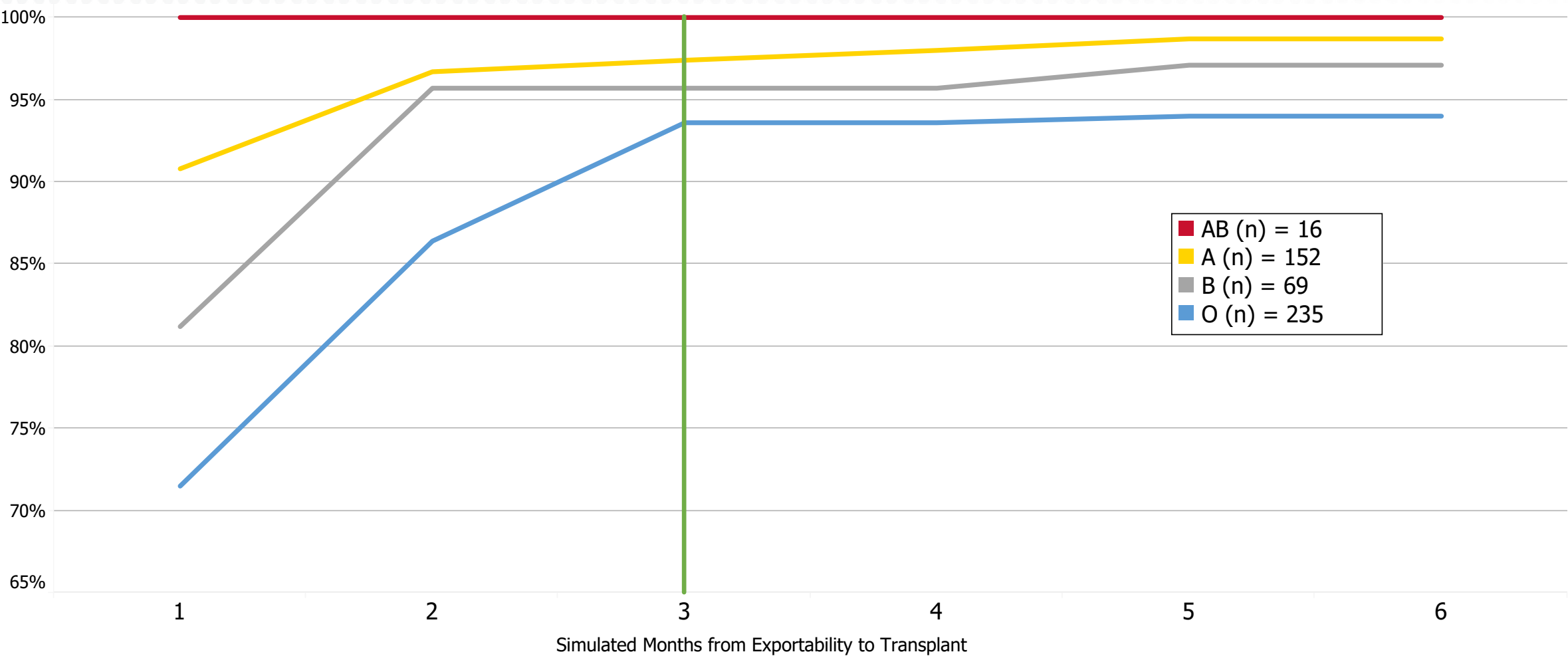


As of 10/21/2022
Eplet mismatch categories are based on the definition provided by Wiebe C, Kosmoliaptsis V, Pochinco D, et al. HLA-DR/DQ molecular mismatch: a prognostic biomarker for primary alloimmunity. Am J Transplant. 2019;19:1708–1719. <https://doi.org/10.1111/ajt.15177>
To learn more about the Kidney for Life program [click here](#).



Kidney for Life Simulated Wait Times to Transplant

Probability Patients Encounter a Low Eplet Mismatch Donor

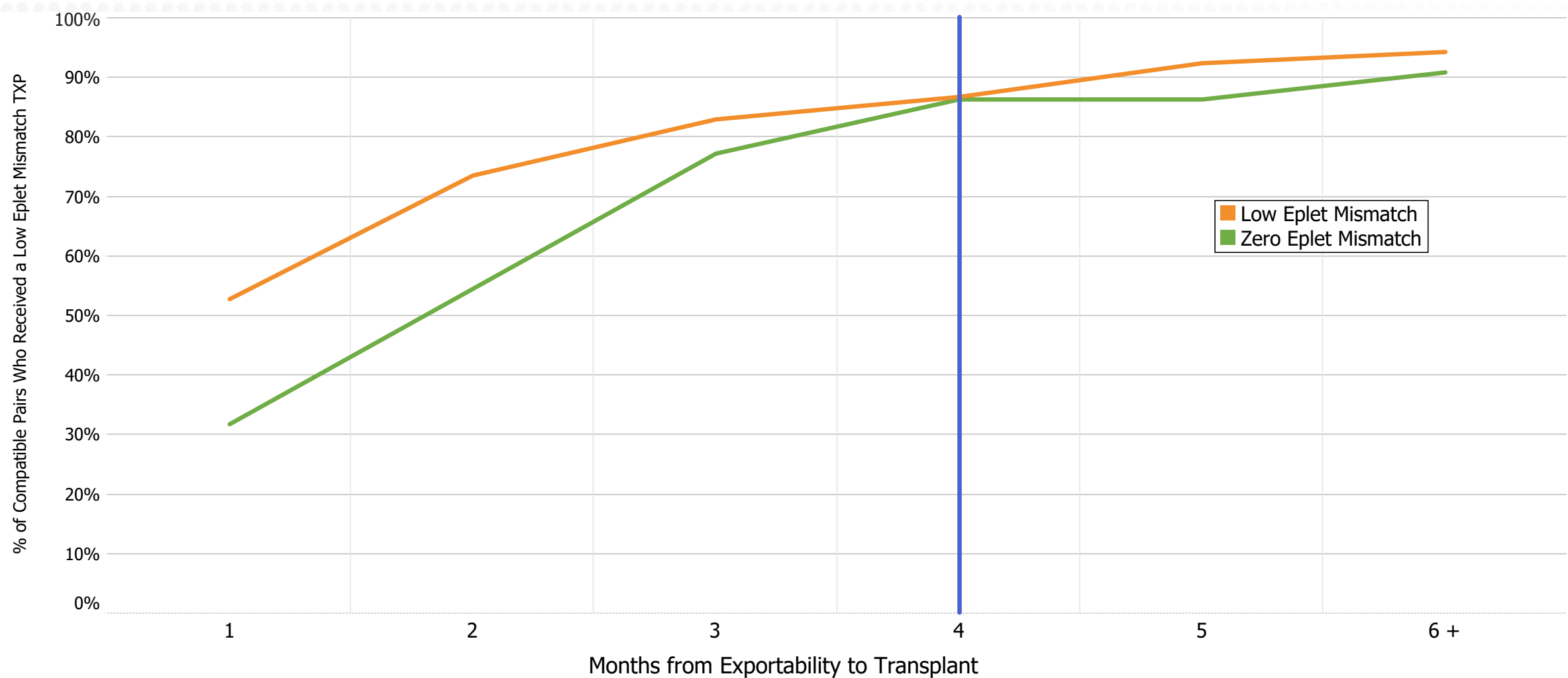


As of 10/11/2022
*Calculated using NKR calculated eplet mismatch information from 472 patients and 2,026 NKR donors.



Kidney for Life Actual Wait Times to Transplant

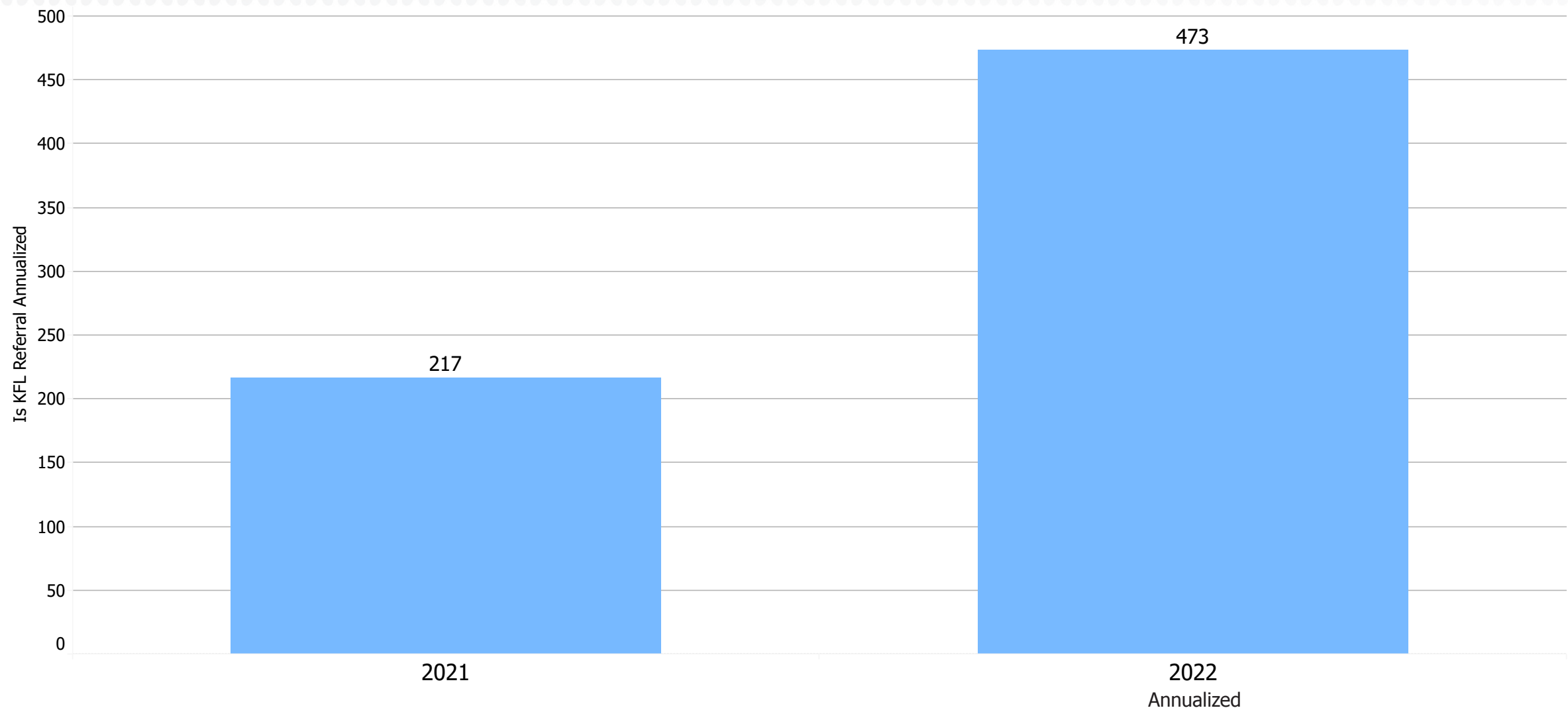
Compatible Pairs Who Received a Low Eplet Mismatch Transplant (n=75)



As of 10/3/2022
Excludes patients with a cPRA >90.00%



Kidney for Life Patient Referrals



As of 10/11/2022
To learn more about the Kidney for Life program [click here](#).



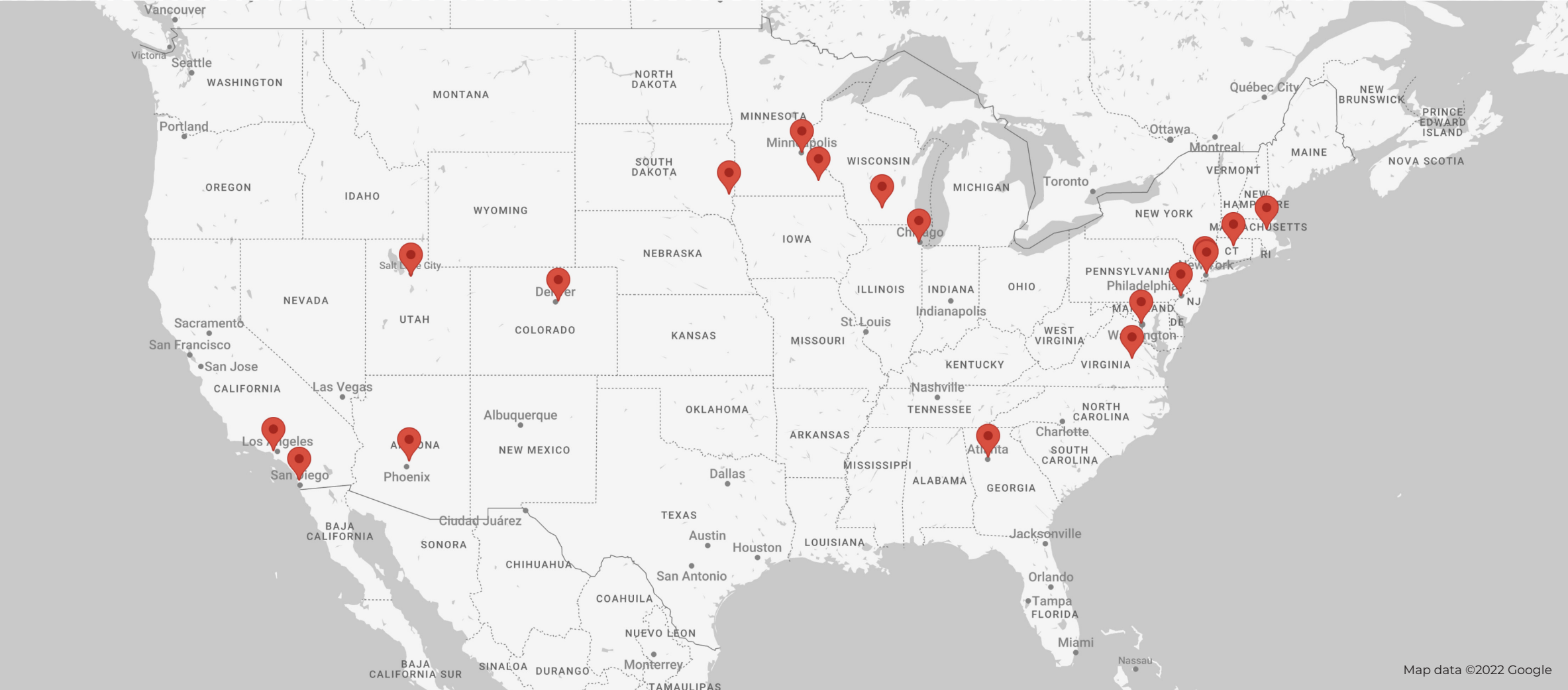
Kidney for Life Antibody Screening Results

	0 EMM + Low EMM	Med EMM + High EMM	Total
1 Year Kits Mailed	88	86	174
1 Year Kits Outstanding	40	44	84
1 Year Screening Completed	48	42	90
1 Year De Novo DSA	0	10	10
% 1 Year De Novo DSA	0%	24%	

As of 10/28/2022



Kidney for Life Centers

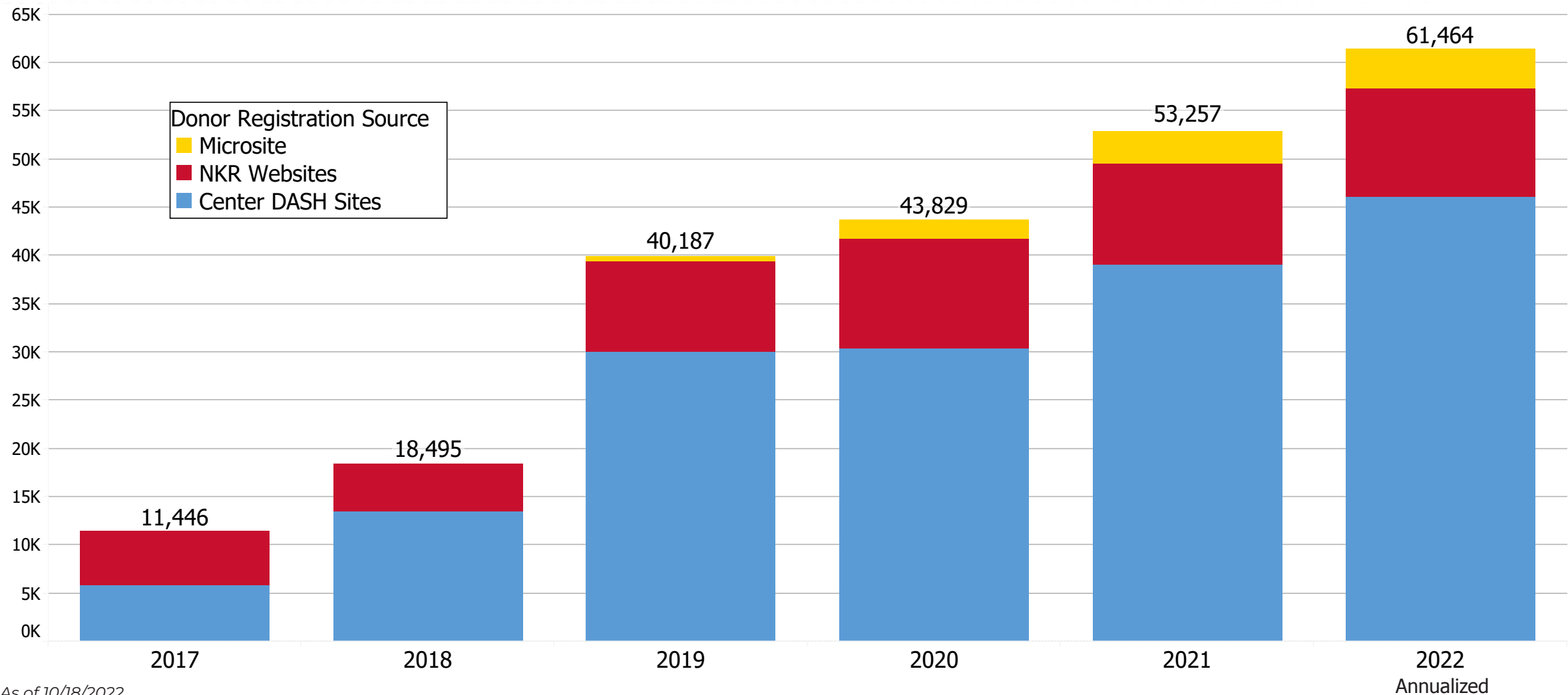


As of 7/7/2022
To see the latest Kidney for Life participating centers [click here](#).



Donor Candidate Registrations

Across All DASH Intake Platforms

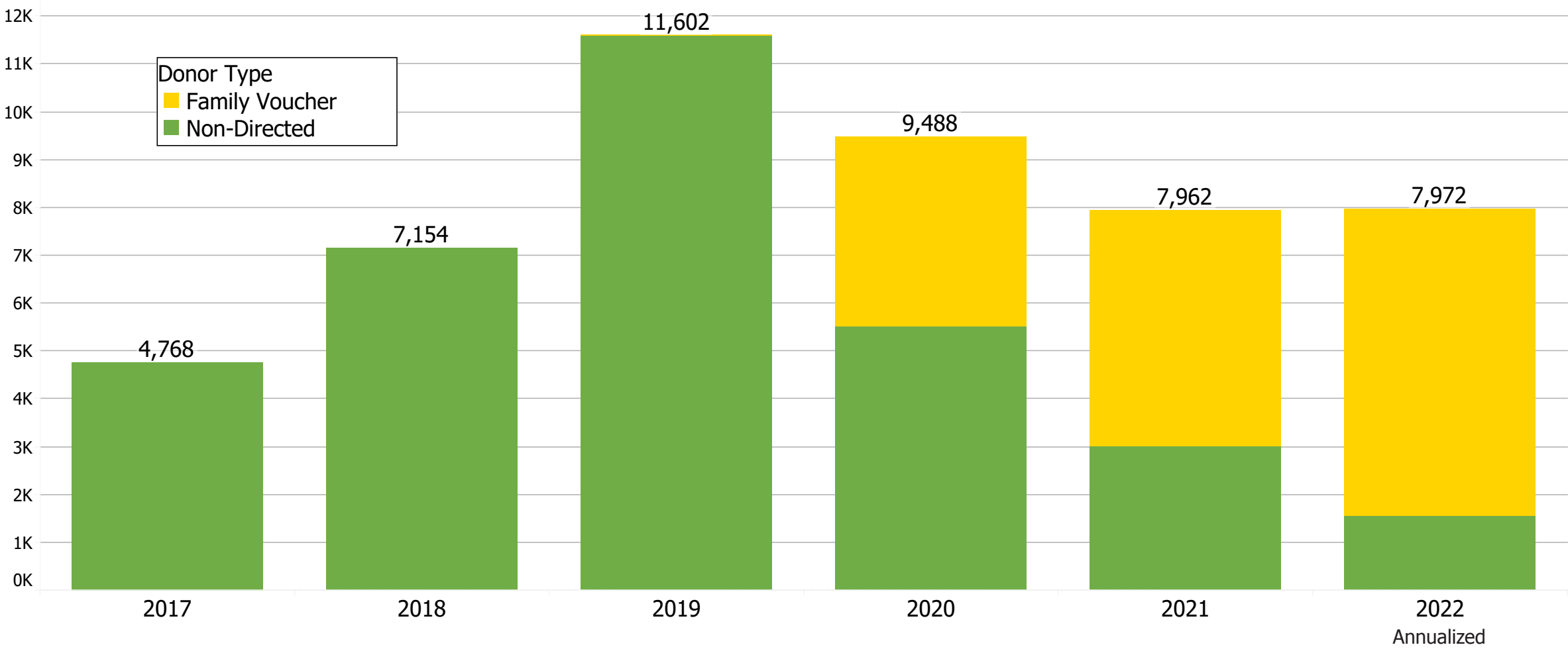


As of 10/18/2022
To learn more about DASH, the Donor Automated Screening and History system [click here](#).



Good Samaritan Donor Candidate Registrations

Across All DASH Intake Platforms



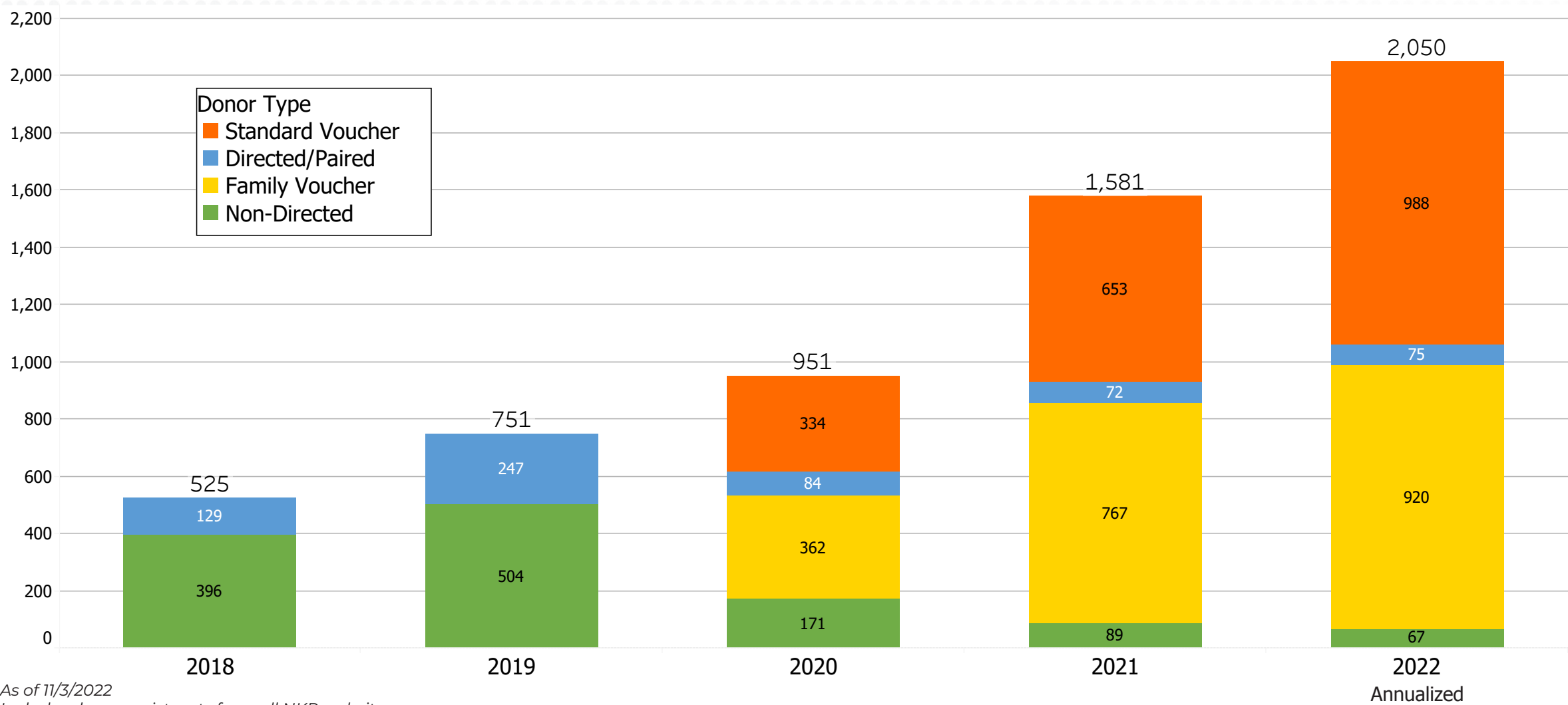
As of 10/13/2022

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

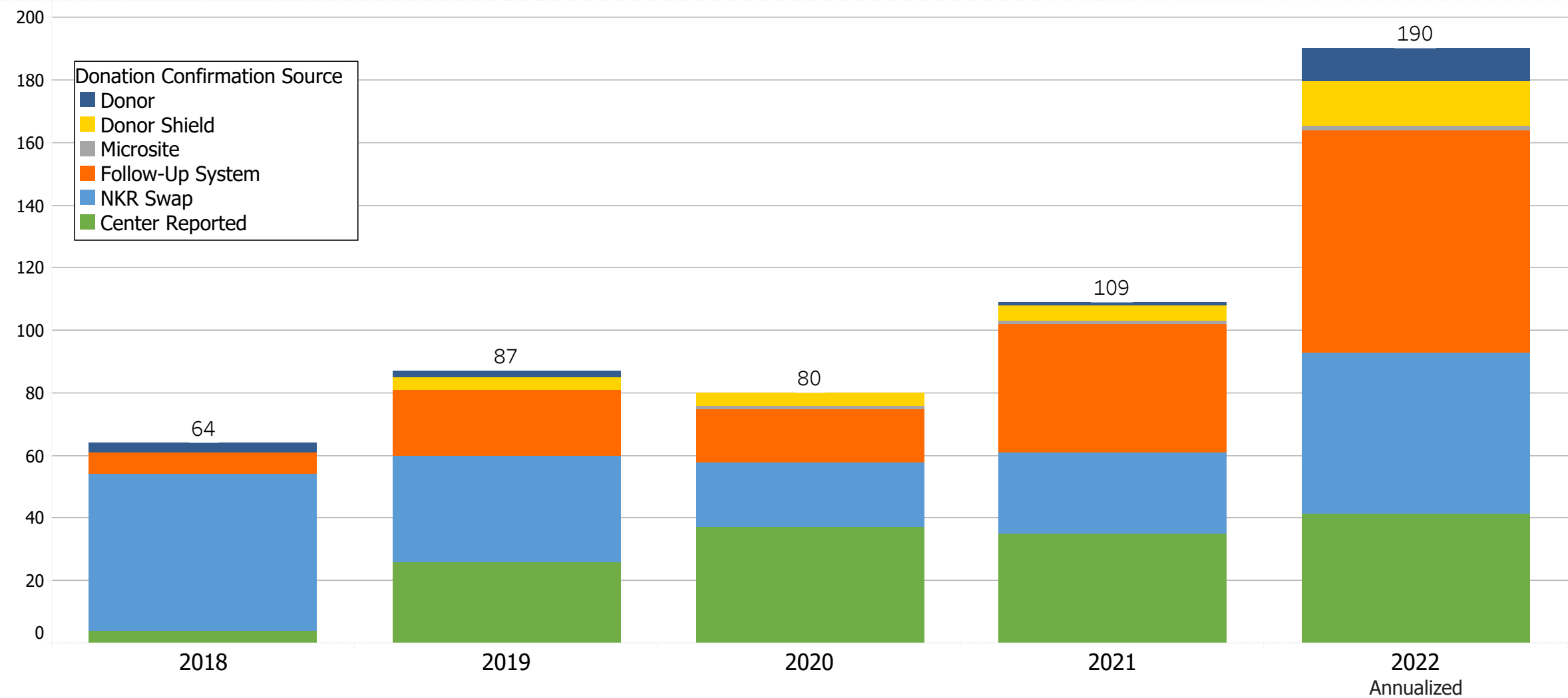


NKR Qualified Donor Referrals

Referred to NKR Member Centers



Donations Resulting from NKR Donor Referrals

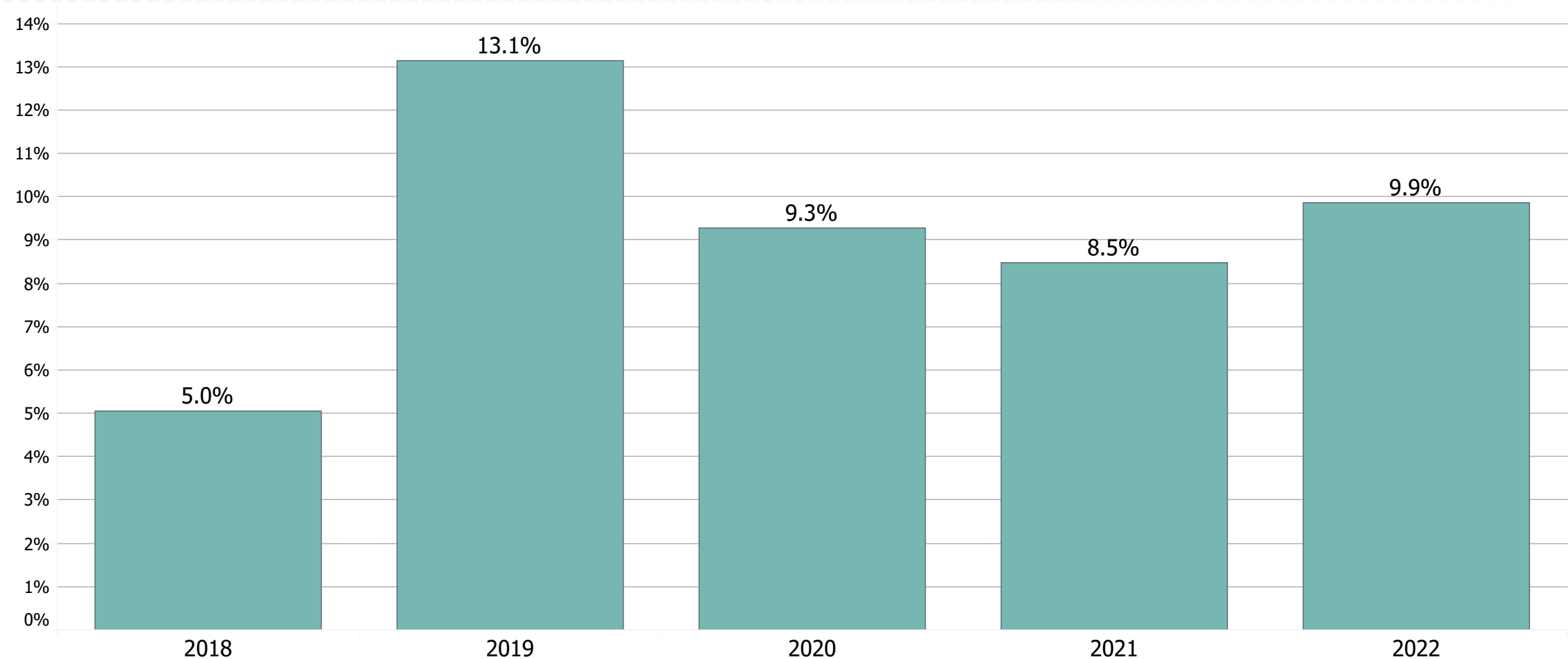


As of 11/3/2022
Includes donor registrants from all NKR Websites.
To avoid lag-effect, the chart counts donation date which does not reflect the date the donor registered.



Center Conversion Rates on NKR Donor Candidate Referrals

NKR Donor Candidates Referred vs Donations

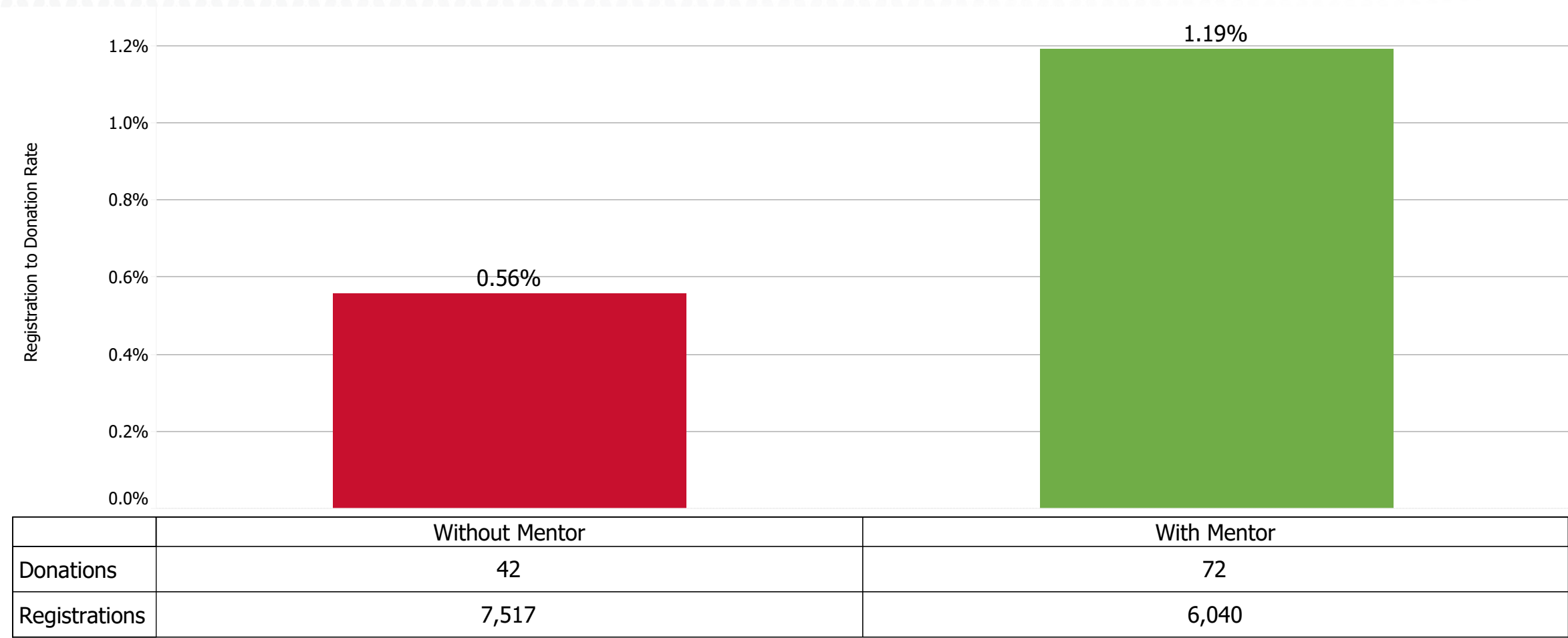


As of 11/3/2022
Formula: Donations / Avg. (Year + Prior Year Referrals)



Donor Connect Registration to Donation Rate

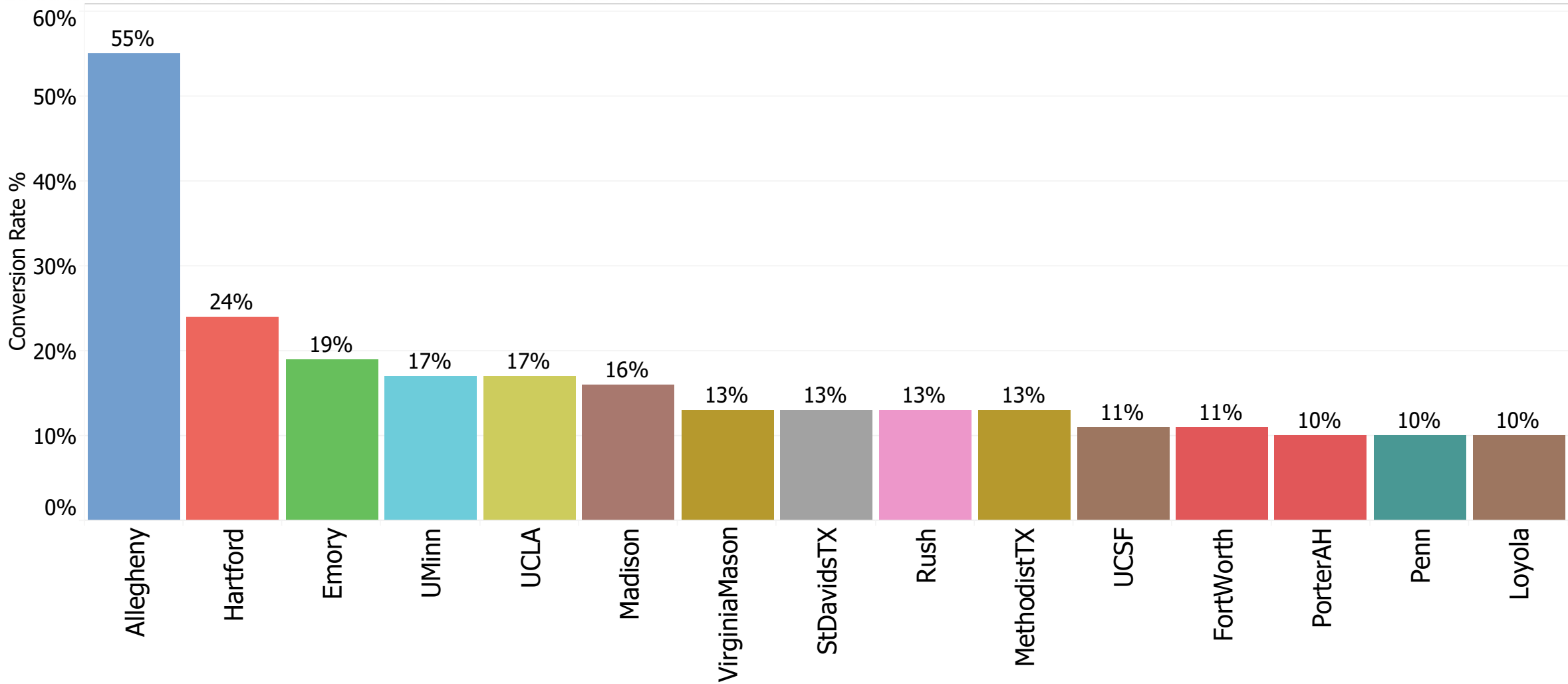
From All NKR Websites 10/1/2021 – 9/30/2022



As of 11/3/2022



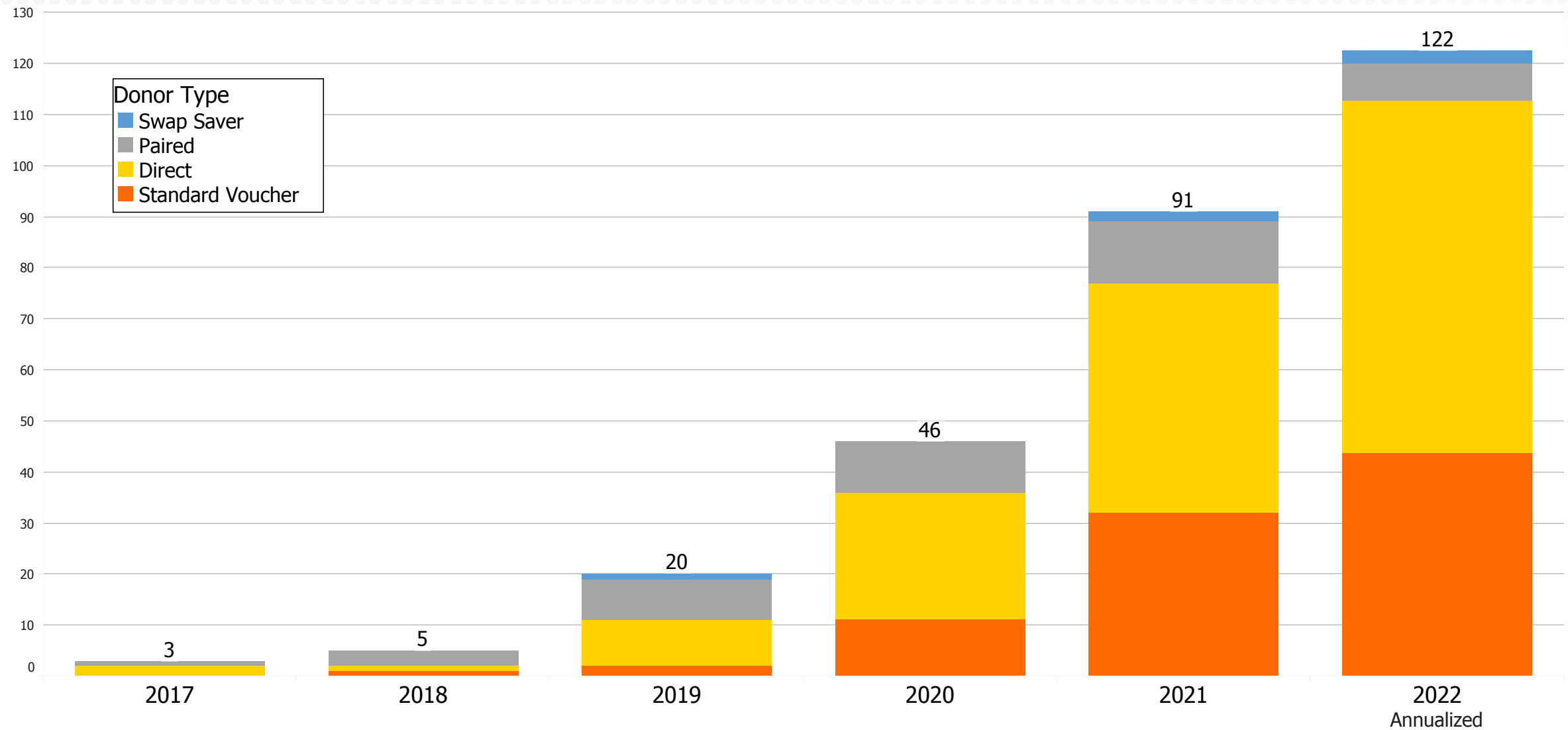
Top Centers: NKR Donor Referral Conversion Rates



Includes all centers with at least 10% conversion rate and 20+ Referrals.
As of 11/4/2022



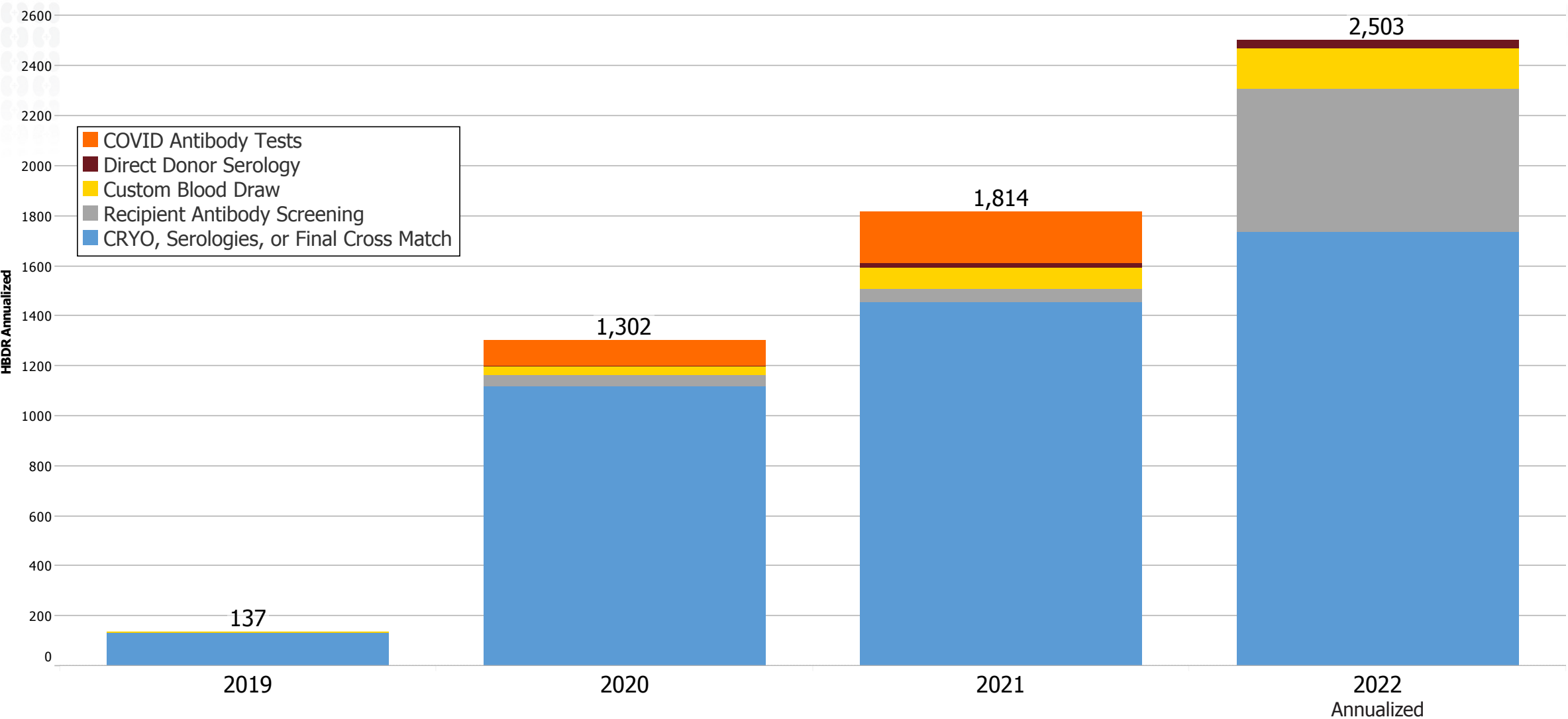
Remote Donations by Donor Type



As of 10/28/2022



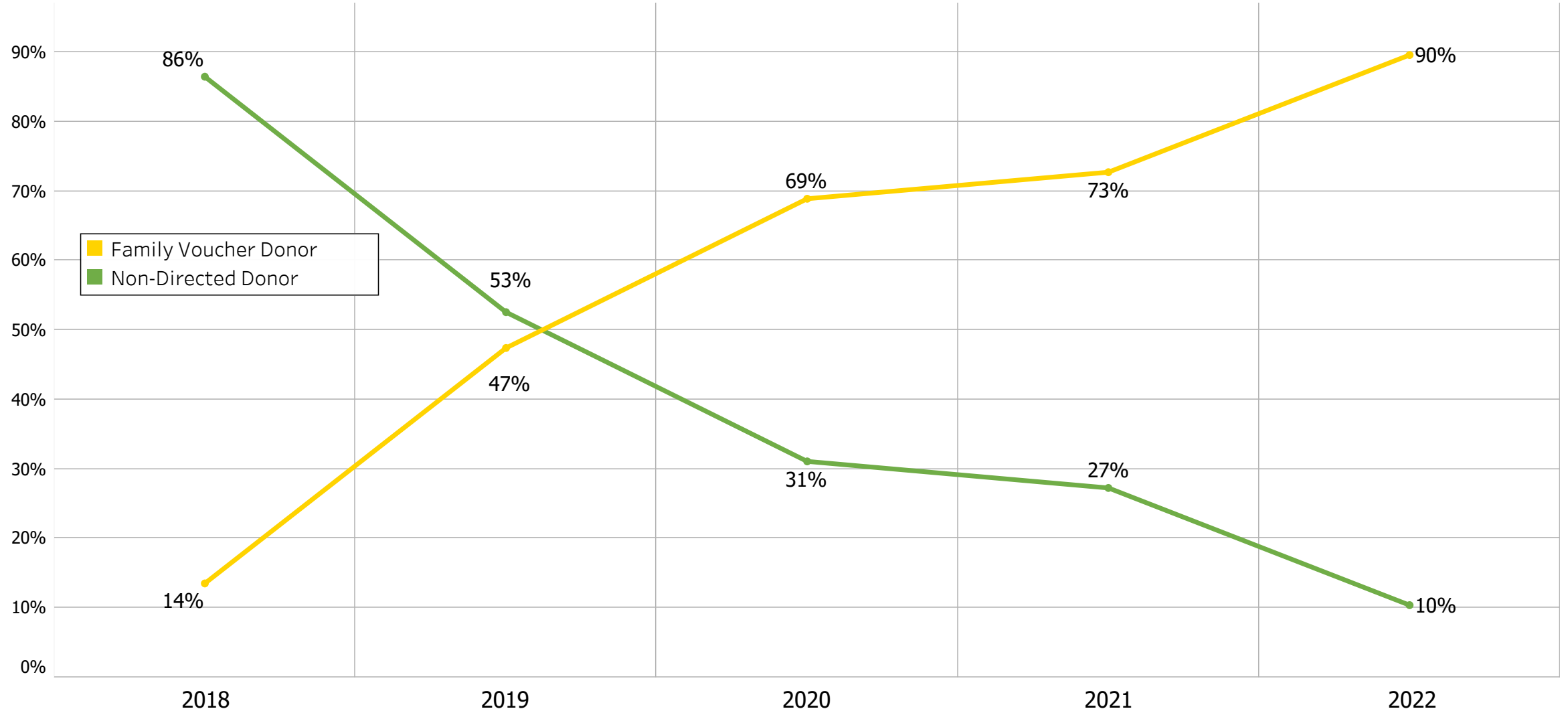
Home Blood Draw Requests



As of 11/2/2022



Transition to Family Voucher Donation

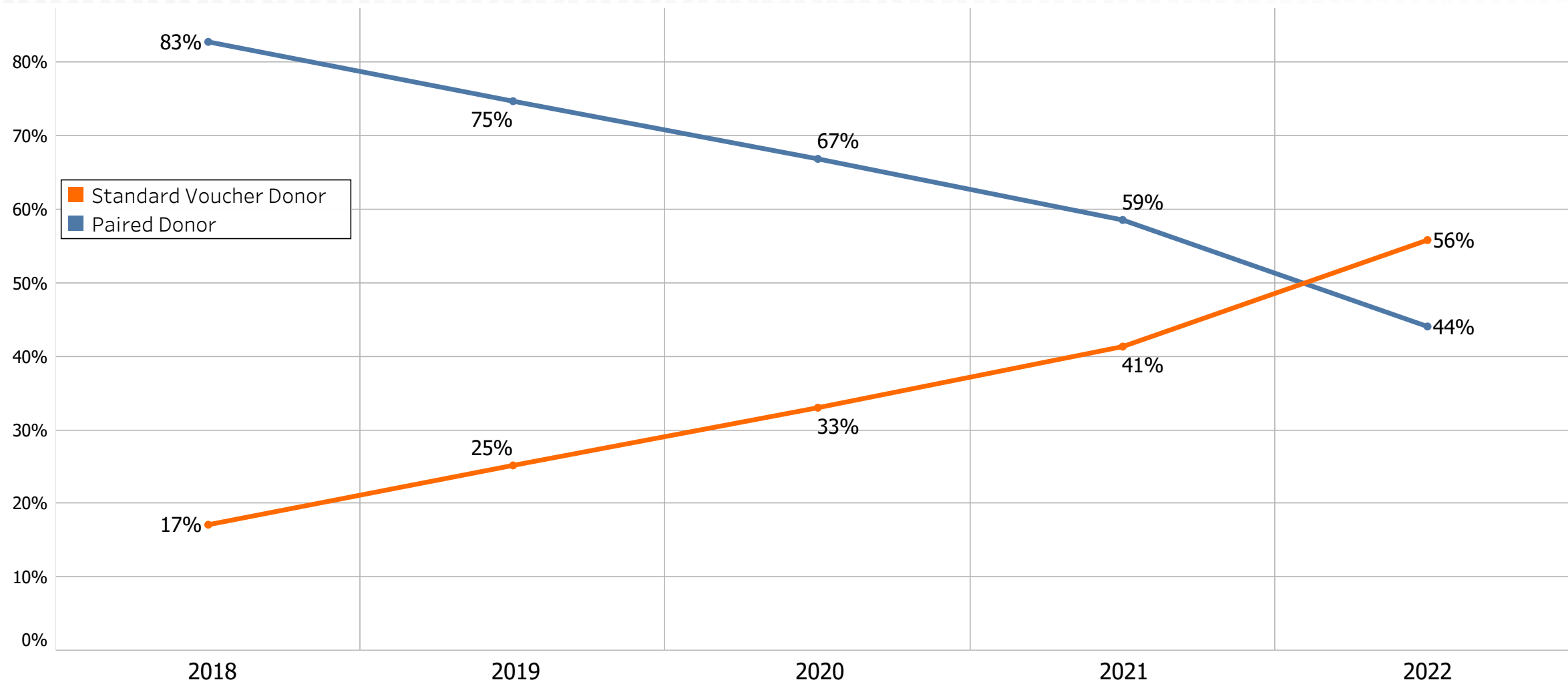


As of 10/7/2022



Uncoupling Trend

Transition from Paired to Standard Voucher Donation

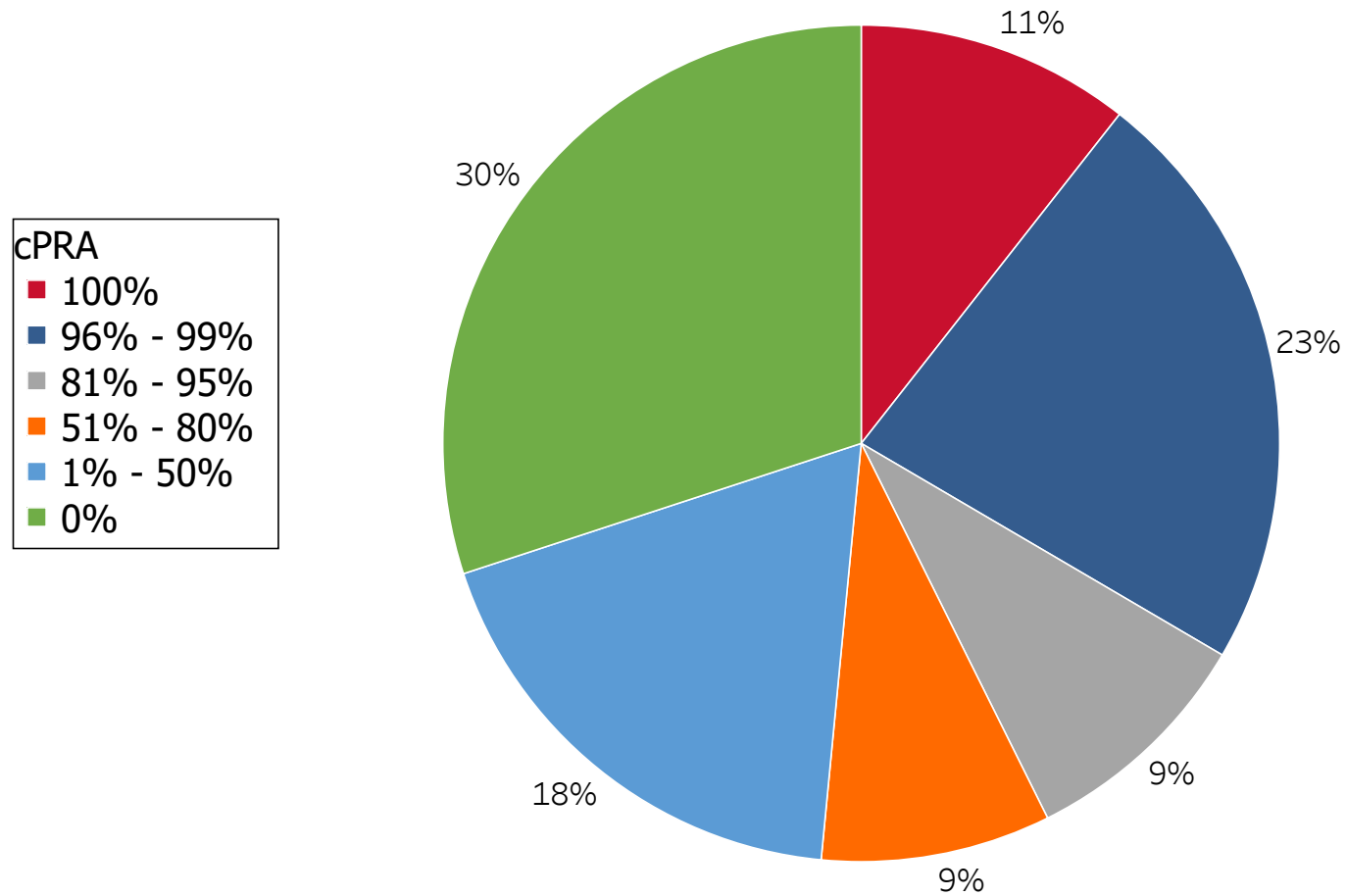


As of 10/7/2022



Pool Composition by cPRA

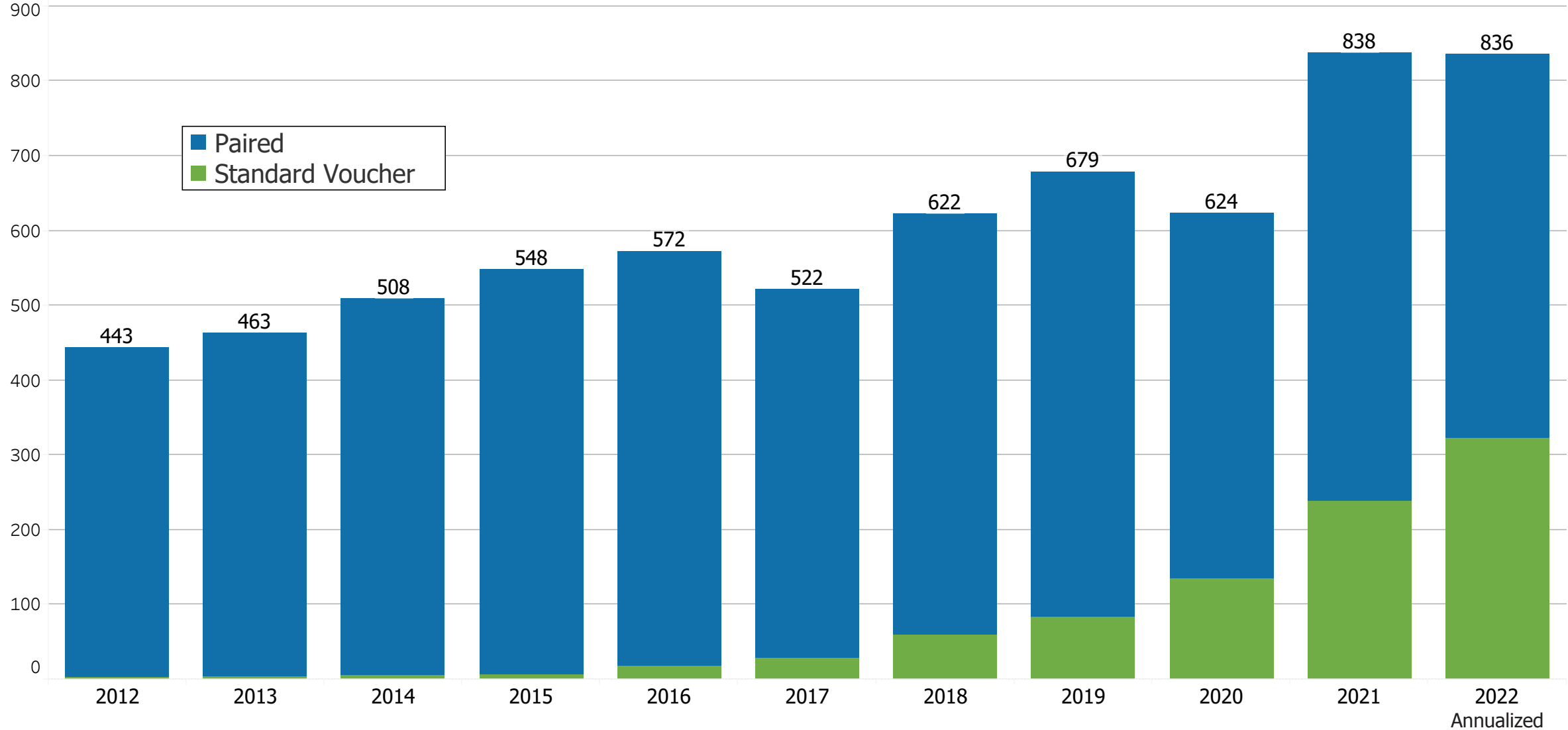
Unmatched Paired and Voucher Patients



As of 10/10/2022



New Exportable Patients

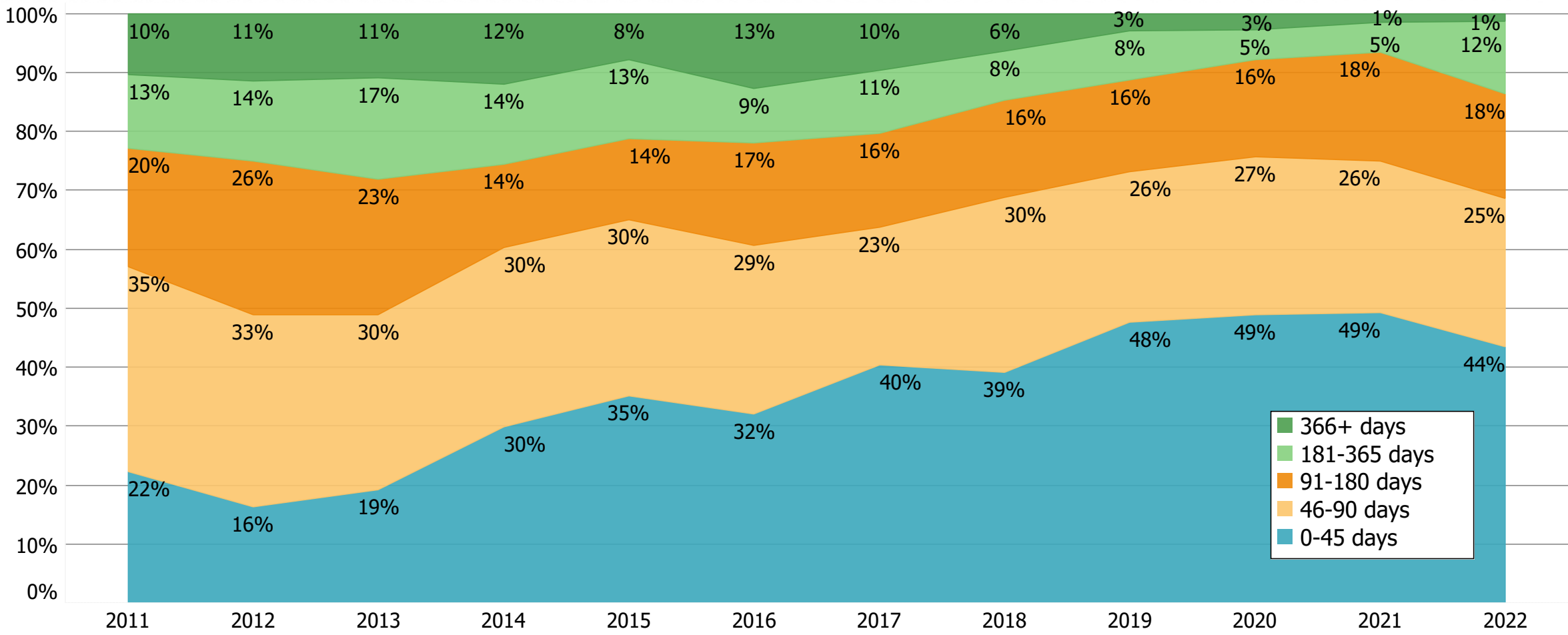


As of 10/7/2022



Wait Time Distribution

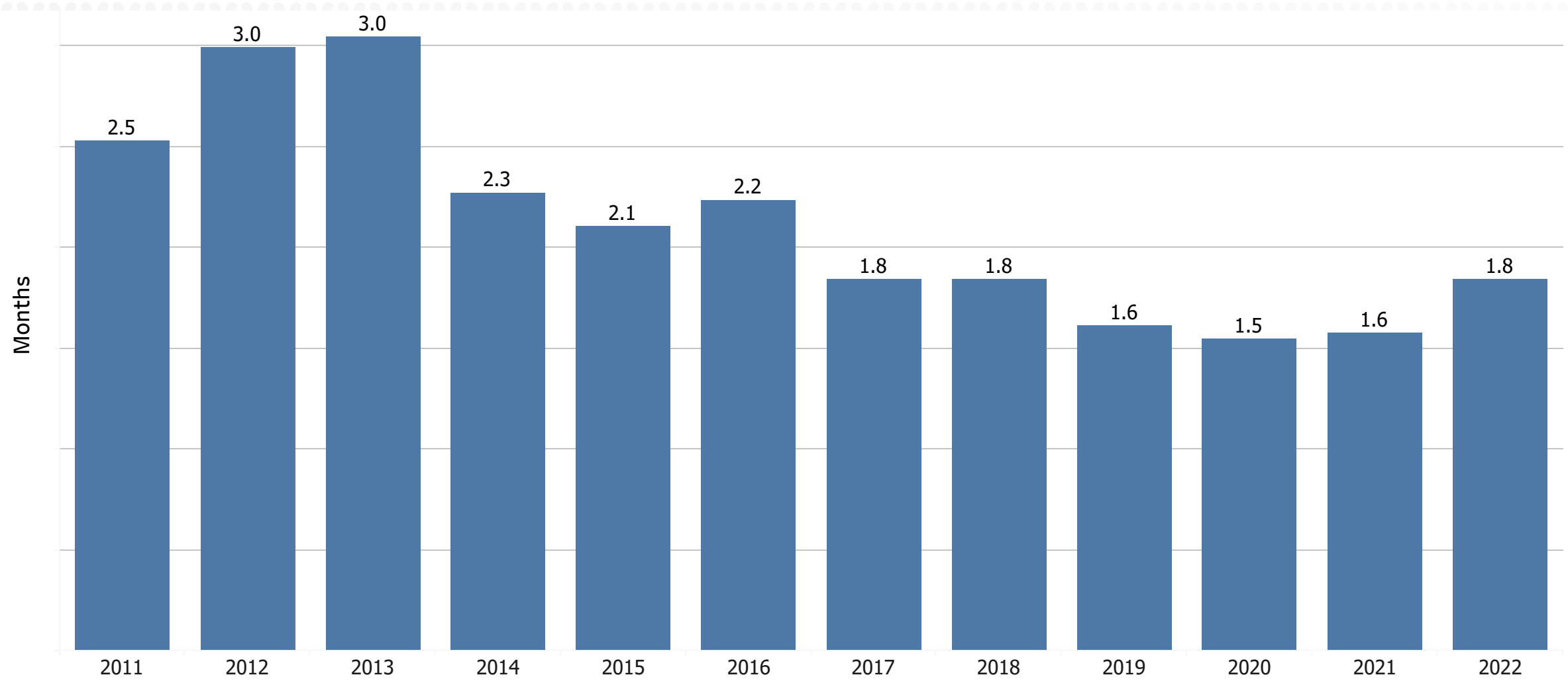
From Exportability to Transplant



As of 10/27/2022
Excludes all non-KPD and waitlist patient transplants.



Median Wait Time to Transplant

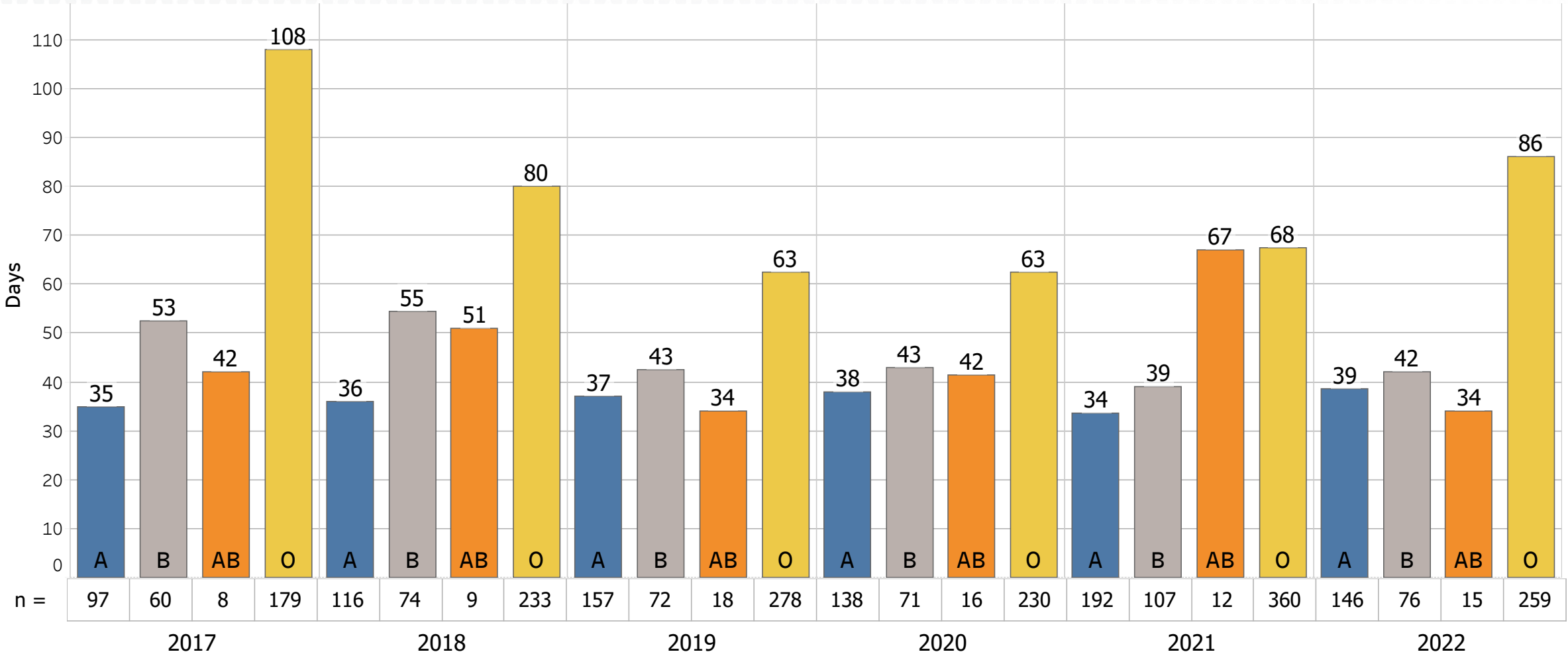


As of 10/7/2022
Excludes remote directs, KFL directs, and chain end offers to waitlist patients.



Median Wait Time by Blood Type

From Exportability to Transplant



As of 10/7/2022
Excludes all non-KPD and waitlist patients 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	82
2	9640	O	100.00	45
3	9374	B	100.00	40
4	10986	O	100.00	36
5	11785	A	100.00	25
6	12411	A	100.00	24
7	12531	O	100.00	17
8	11316	O	100.00	16
9	10569	A	100.00	15
10	14460	O	100.00	12
11	10275	B	100.00	12
12	10311	O	99.99	36
13	9245	O	99.99	23
14	9702	O	99.99	22
15	13867	O	99.98	15
16	14402	A	99.92	13
17	14198	O	99.89	13
18	14256	O	99.89	12
19	13846	A	99.89	12
20	14345	B	99.84	12
21	12794	O	99.81	18
22	14330	O	99.50	14
23	14093	O	99.25	13

Voucher Patients

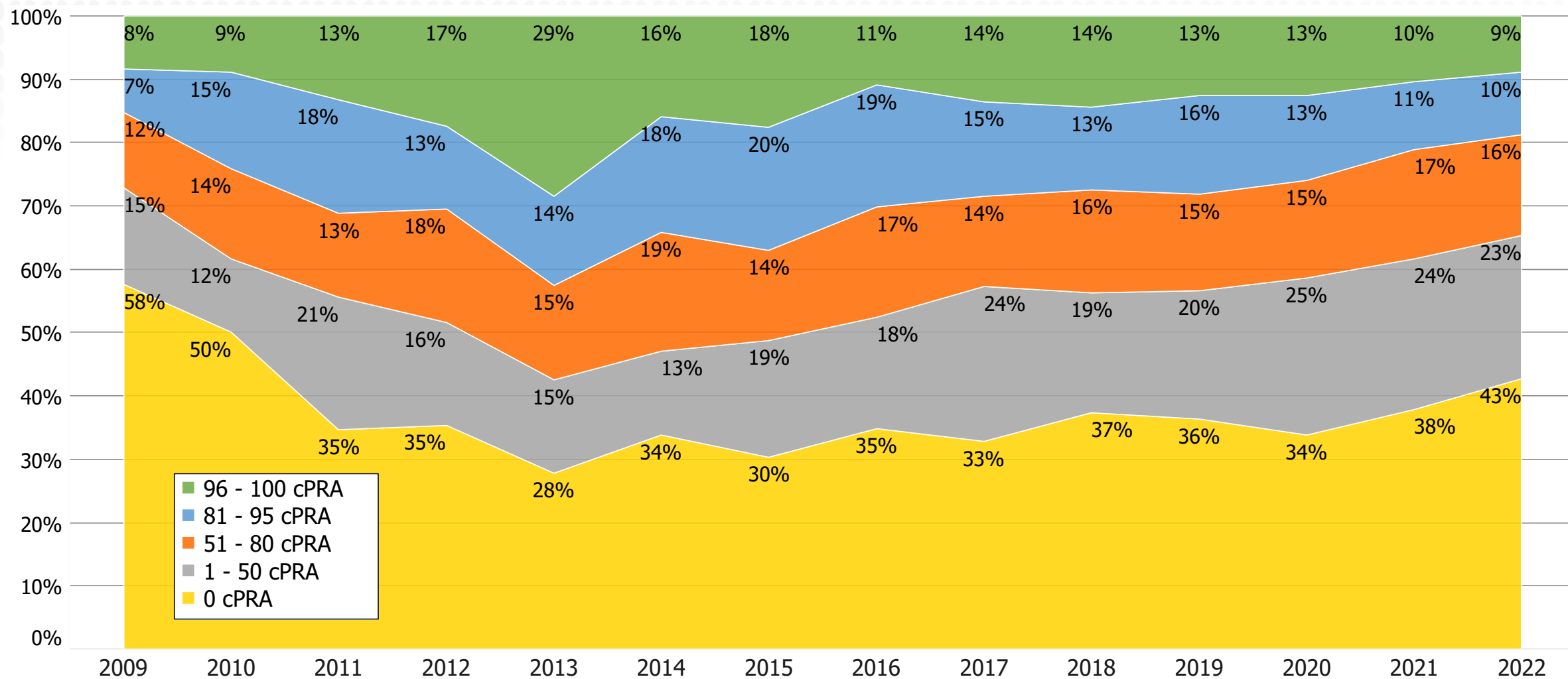
#	Patient ID	Patient ABO	cPRA	Months Wait
1	3281	AB	100.00	95
2	10448	O	100.00	37
3	11378	A	100.00	32
4	13055	O	100.00	21
5	12712	B	100.00	21
6	13023	A	100.00	17
7	10069	A	99.99	37
8	11047	A	99.99	32
9	12103	A	99.99	22
10	14403	O	99.99	12
11	10982	B	99.89	33

As of 10/7/2022

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



Transplanted Recipients by cPRA

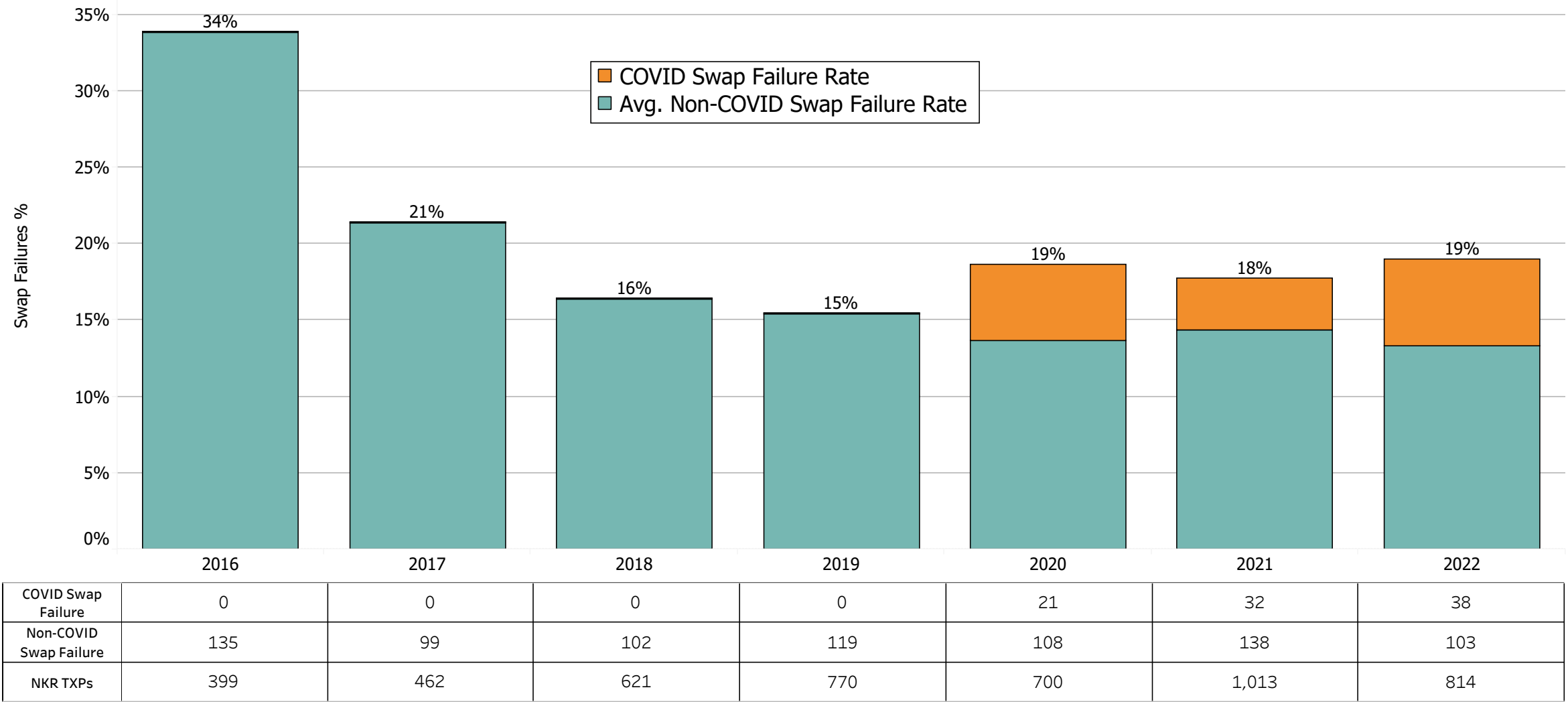


As of 10/10/2022

Excludes all non-KPD and waitlist patients transplants.



Swap Failure Rates

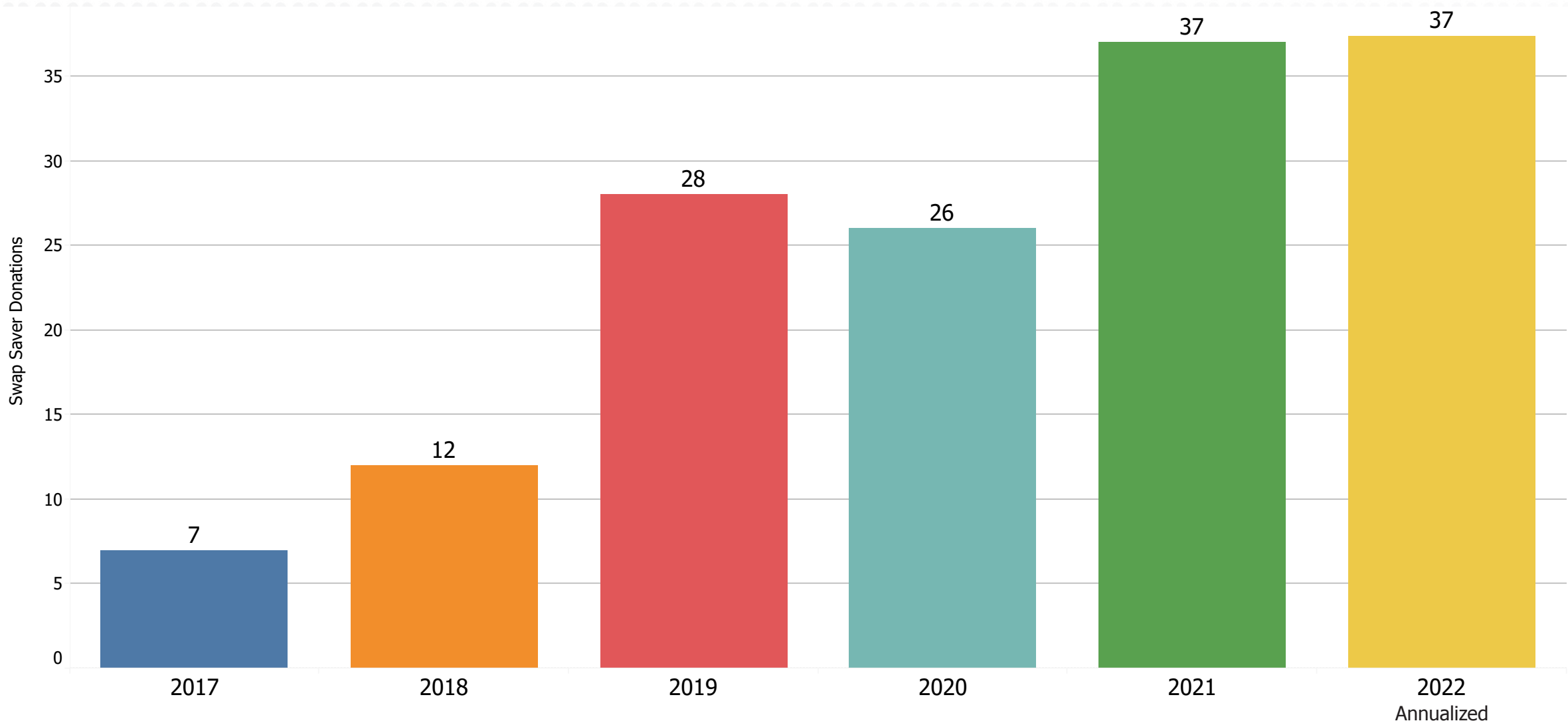


YTD

As of 10/10/2022



Swaps Saved by Swap Saver Voucher Donors



As of 10/7/2022



Resources

kidneyregistry.org

donor-shield.org

kidneytransplantcenters.org

donorcarenetwork.org

kidneyforlife.org

findakidney.org

livingdonorgames.org

