



**NATIONAL KIDNEY REGISTRY<sup>®</sup>**

FACILITATING LIVING DONOR TRANSPLANTS

# Quarterly Report

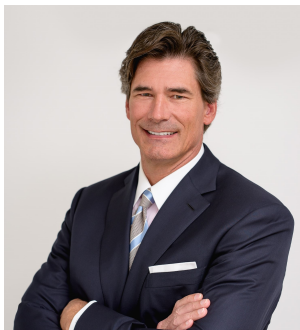
Q2 Results 2021

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# Message from the Founder & CEO



The second quarter of 2021 was the NKR's largest to date, with a total of 286 transplants facilitated, approximately 10% of which (26 transplants) were low eplet mismatches. The NKR has experienced record volumes beginning in March of this year. Data from the first half of the year indicates that NKR-facilitated transplants now account for 17% of all living donor kidney transplants in the United States, up from 11% in 2019.

The [DASH](#) platform has been expanded to include an expert system that helps collect DNA for compatible pairs very early in the donor evaluation process. Based on the donor and patient DNA, the Kidney for Life expert system streamlines the decision-making process, giving compatible pairs visibility to their eplet mismatch information and quantifying the opportunities to upgrade their match through paired exchange.

[Donor Shield](#) provided support and protections for approximately 25% of all U.S. living kidney donors in Q2 (414 donors protected). During this quarter, Donor Shield was significantly enhanced and now includes Donor Connect, which gives donor candidates the option to speak with a living kidney donor. We also expanded the maximum lost wage reimbursement from four weeks to six weeks to ensure donors with longer recovery periods are fully supported. Additionally, the maximum travel and lodging reimbursement amount has been increased \$1,000—from \$2,000 to \$3,000.

Qualified donors referred from the [NKR](#) to Member Centers increased by 40% over last year and 80% over 2019. This massive growth in donor referrals is a result of the recent improvements to our [Center Listing Service website](#), the partnership with National Kidney Donor Organization (NKDO) to create the Donor Connect program and the replacement of the 24-urine collection requirement with the cystatin-C test, which is a more convenient process for donor candidates.

Sincerely,

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

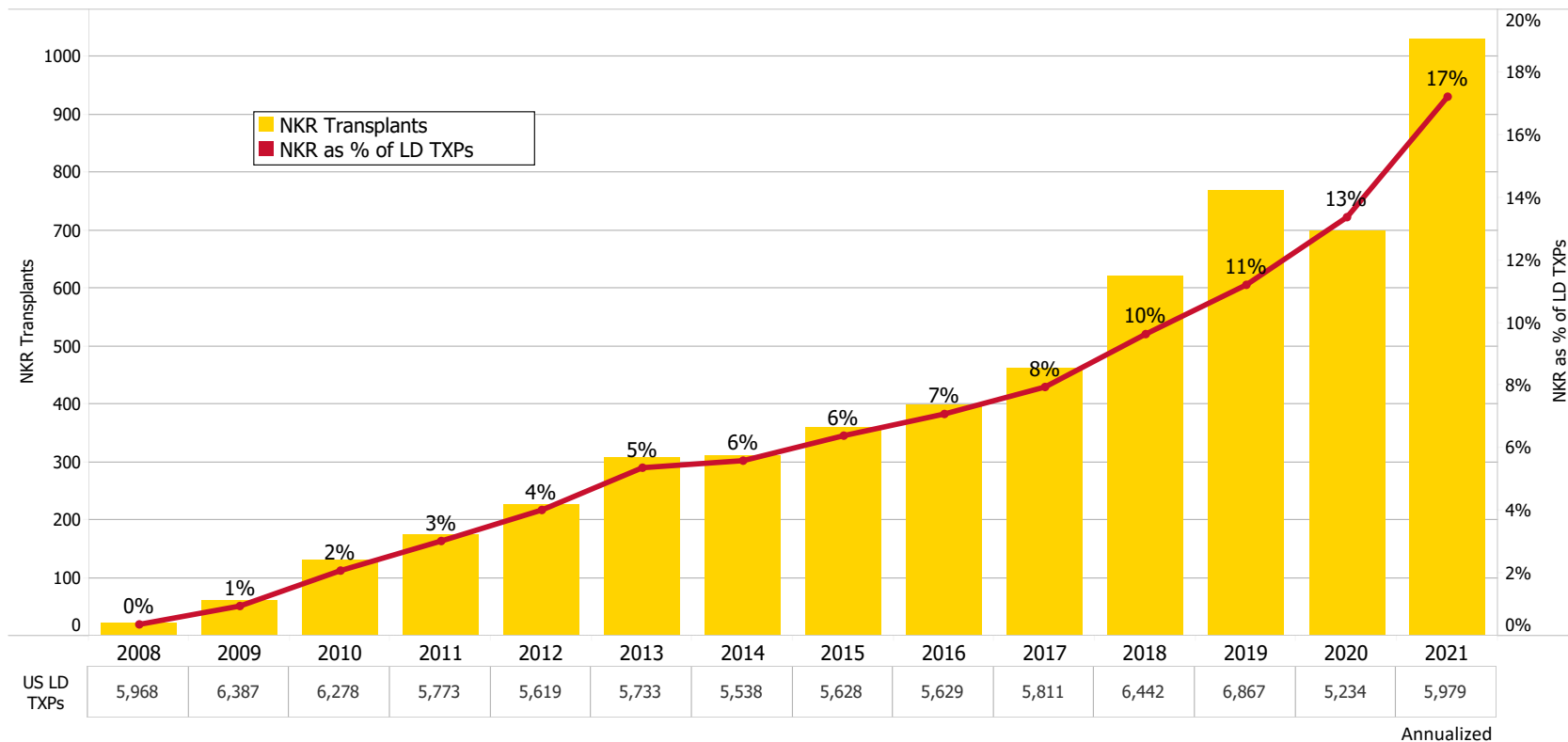
**Garet Hil**

Founder & CEO

National Kidney Registry



# NKR Transplant Growth



<https://optn.transplant.hrsa.gov/data>; data through 06/30/21; based on OPTN data as of 7/12/21 – NKR Admin Database accessed 7/13/21

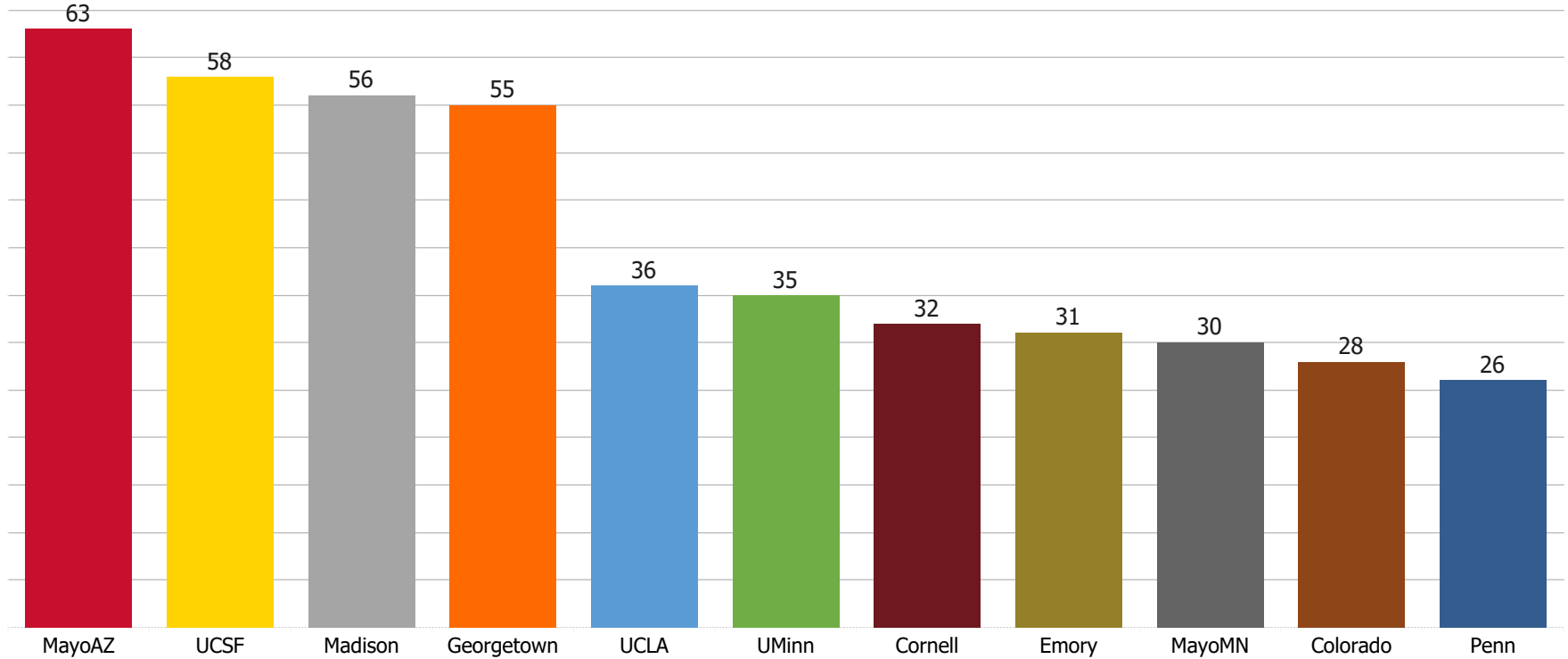
NKR Transplants includes Kidney Paired Donations, Remote Direct Donation, and Kidney For Life Internal Direct Donations





# Top Centers

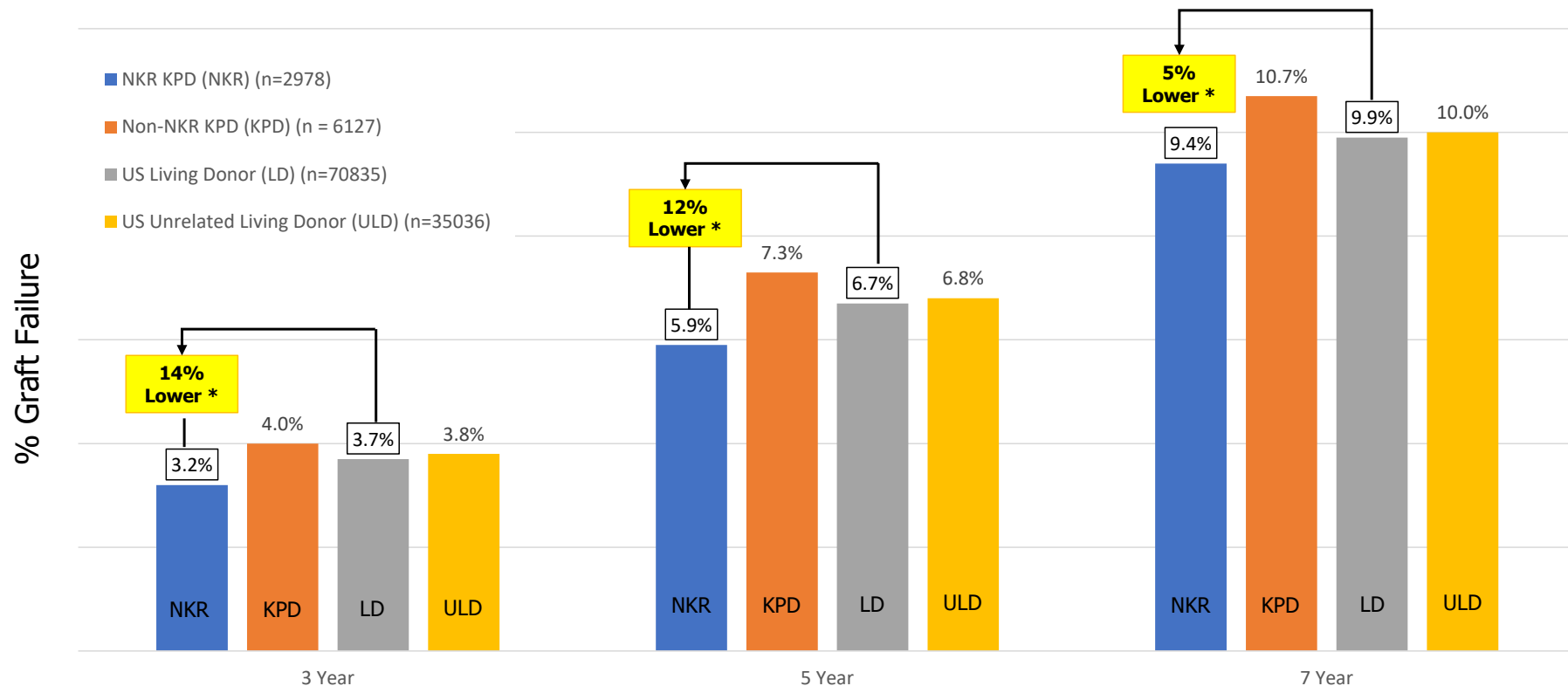
NKR KPD Transplants 7/1/2020 – 6/30/2021



As of 7/3/2021 09:16:32



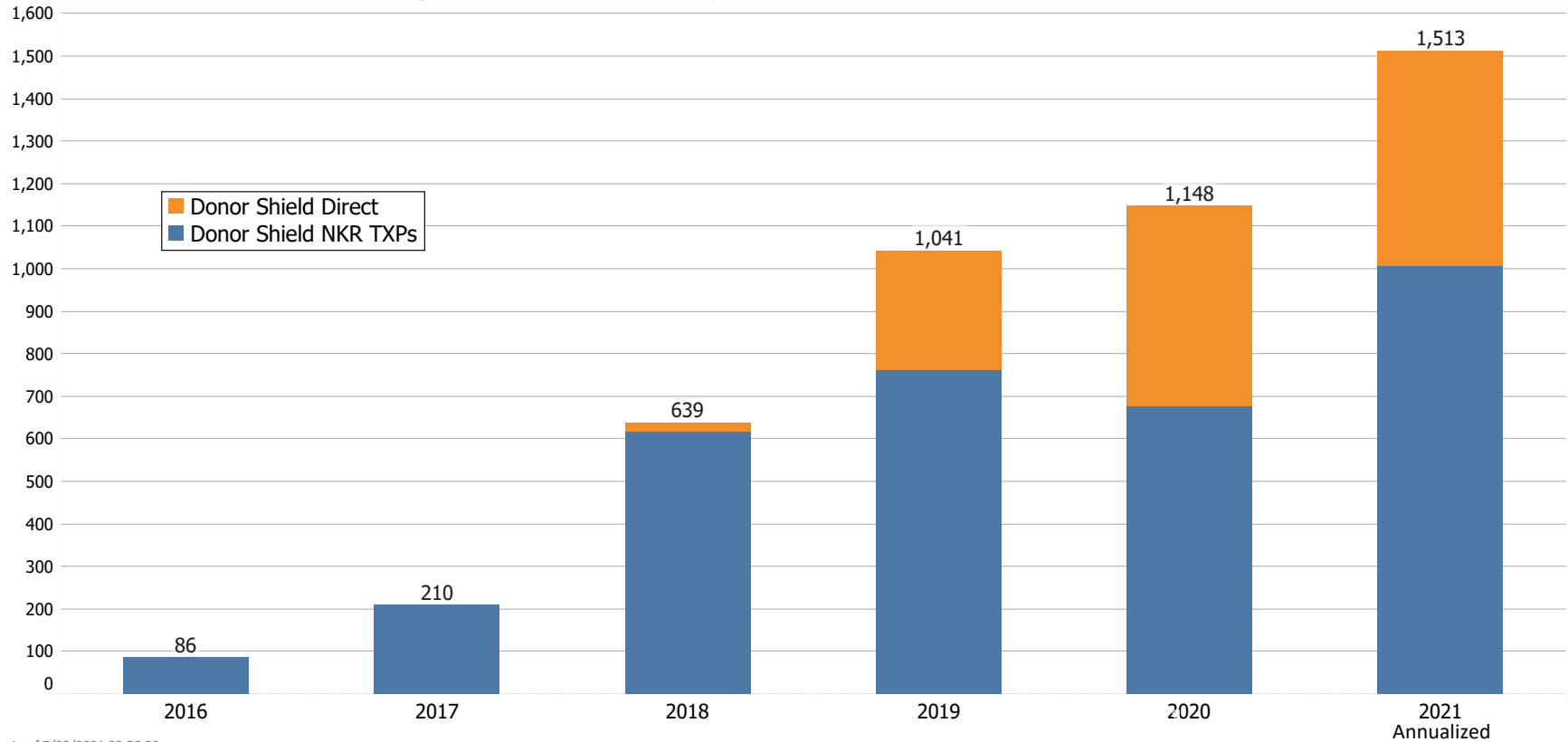
# Death Censored Graft Failure Comparisons



\*Statistically Significant



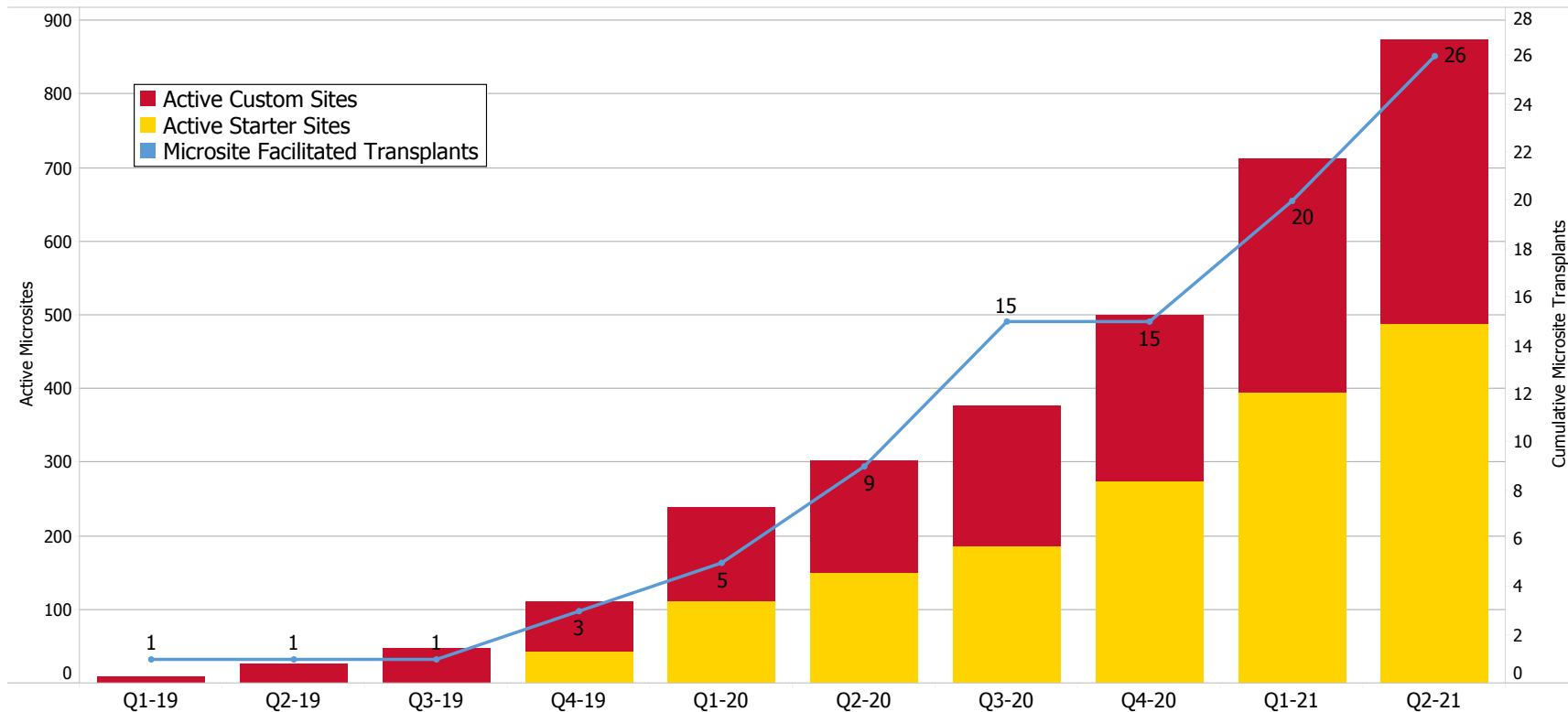
# Living Donors Supported and Protected



As of 7/22/2021 08:56:20  
<http://www.donor-shield.org/>



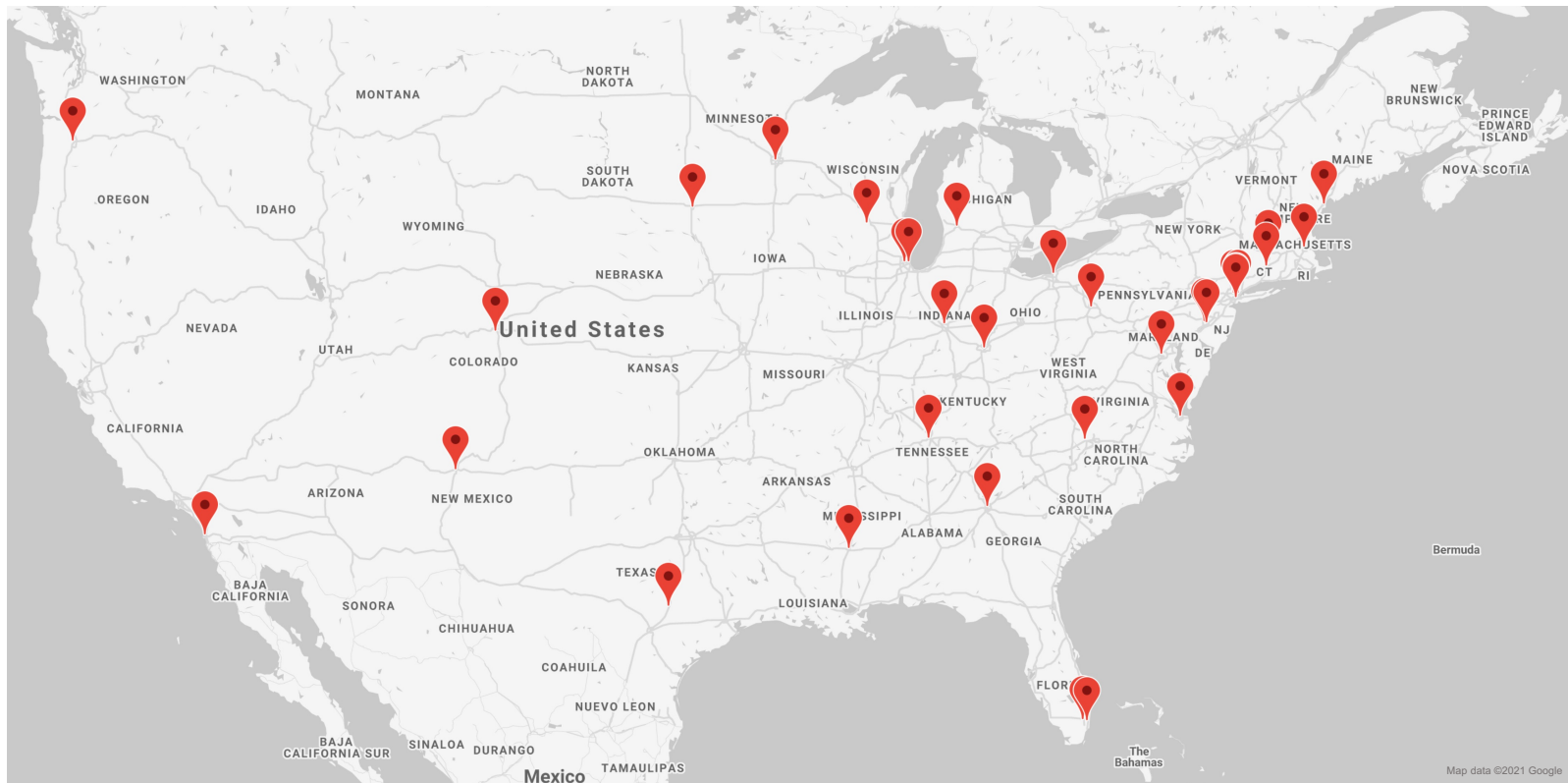
# Microsite Growth



As of 7/3/2021 12:42:26



# Microsite Centers



As of 7/12/2021



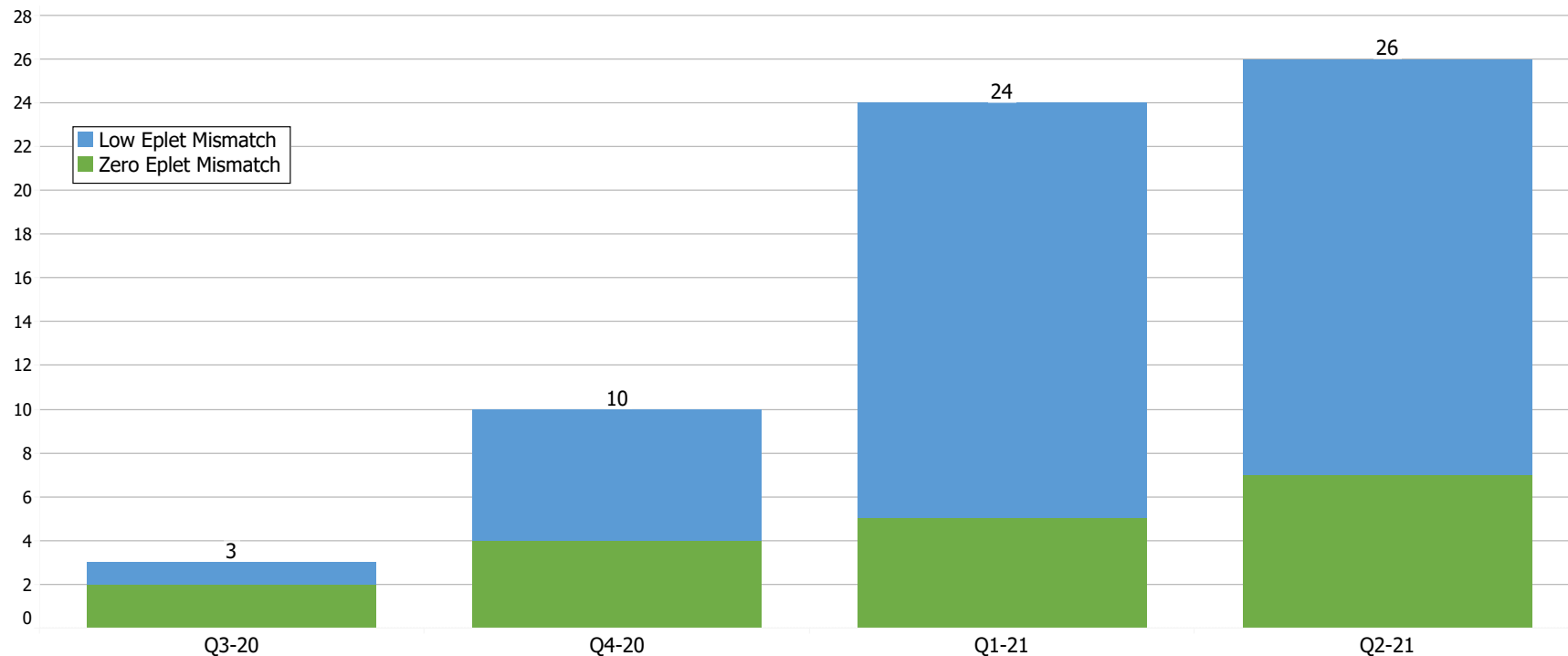
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[Microsite Brochure](#)

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# Successful Kidney for Life Transplants

## Zero and Low Eplet Mismatches



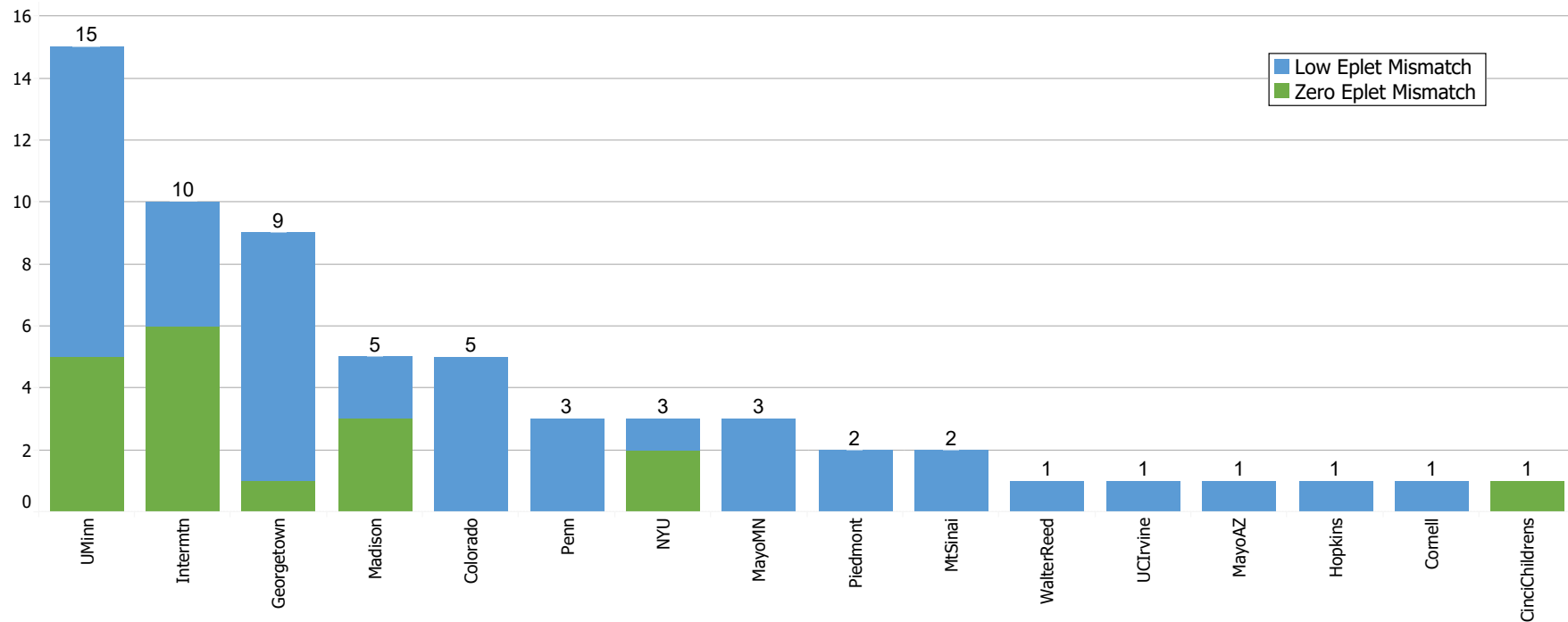
As of 7/16/2021 13:04:10



# Successful Kidney for Life Transplants

Zero and Low Eplet Mismatches

7/1/2020 – 6/30/2021



As of 7/16/2021 13:04:10



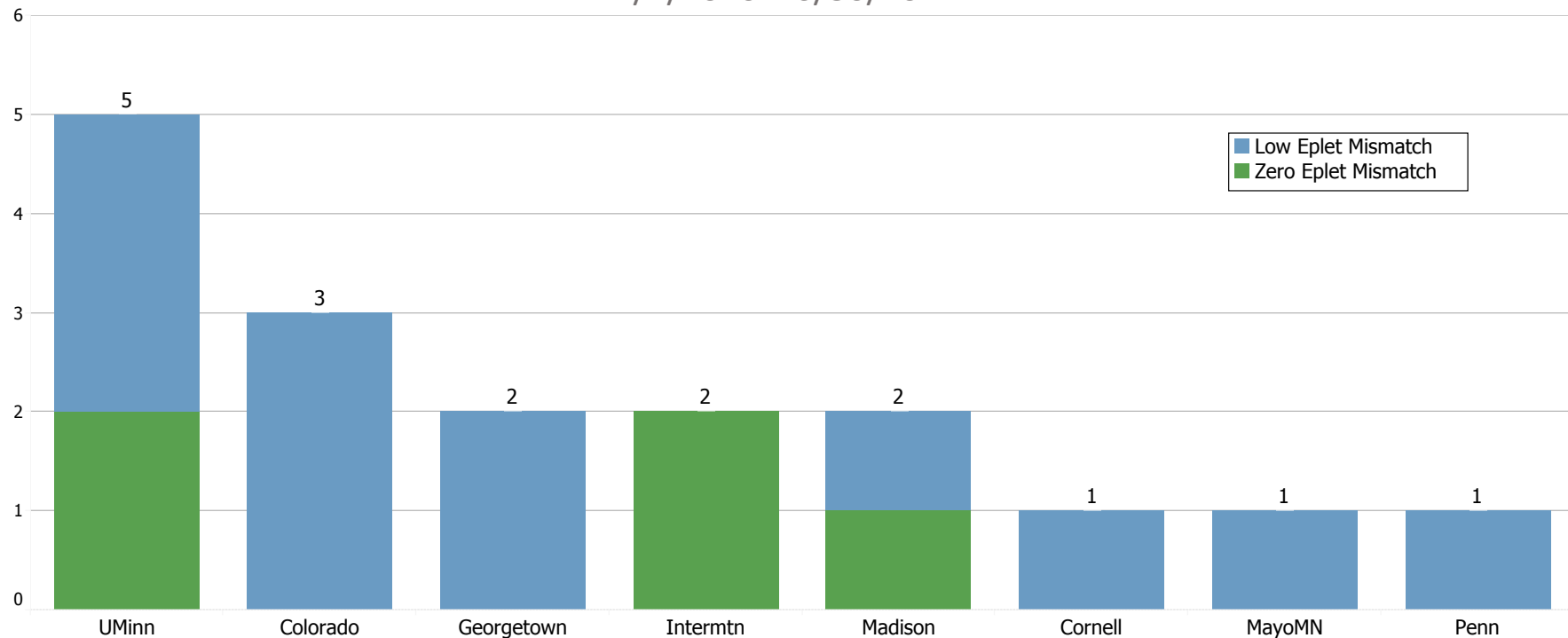
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To learn more about the Kidney for Life program [click here](#).

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# Successful Kidney for Life Compatible Pair Transplants

Zero and Low Eplet Mismatches  
7/1/2020 – 6/30/2021



As of 7/16/2021 13:47:35



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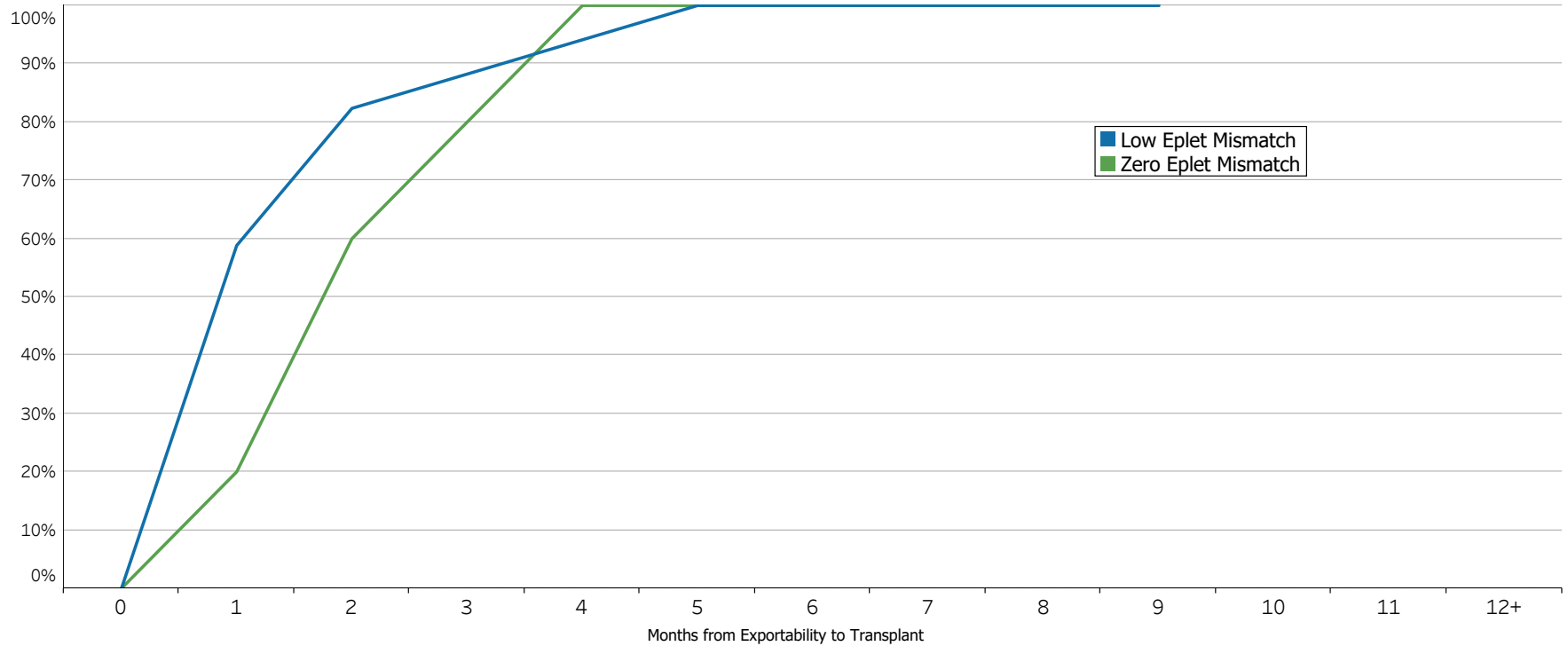
To learn more about the Kidney for Life program [click here](#).

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# Kidney for Life Recipient Wait Times

Compatible Pairs (n=17)



As of 7/16/2021 13:47:35



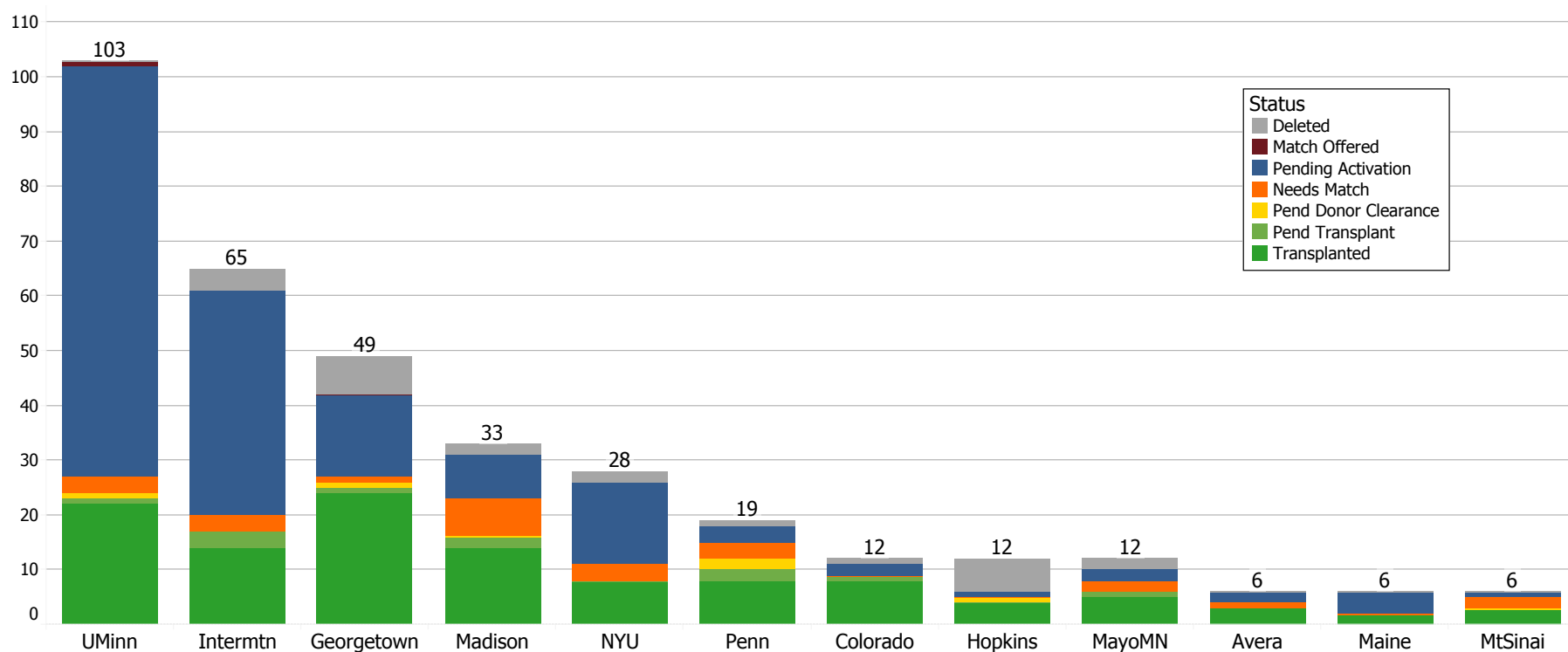
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To learn more about the Kidney for Life program [click here](#).

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# Patients with 3G Typing

7/14/2020 – 7/13/2021



As of 7/13/2021 11:32:20

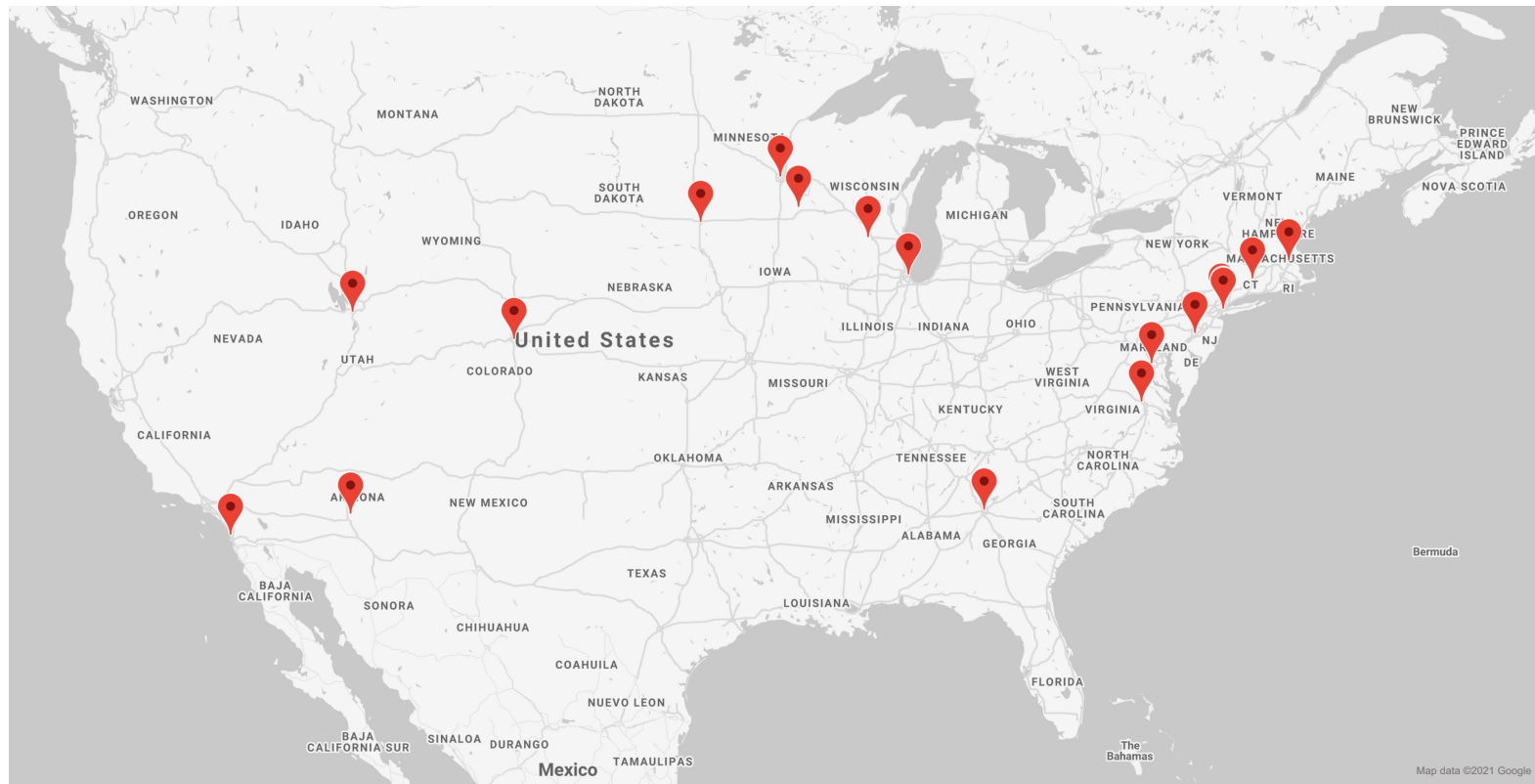


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To learn more about the Kidney for Life program [click here](#).

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# Kidney for Life Centers



As of 7/12/2021



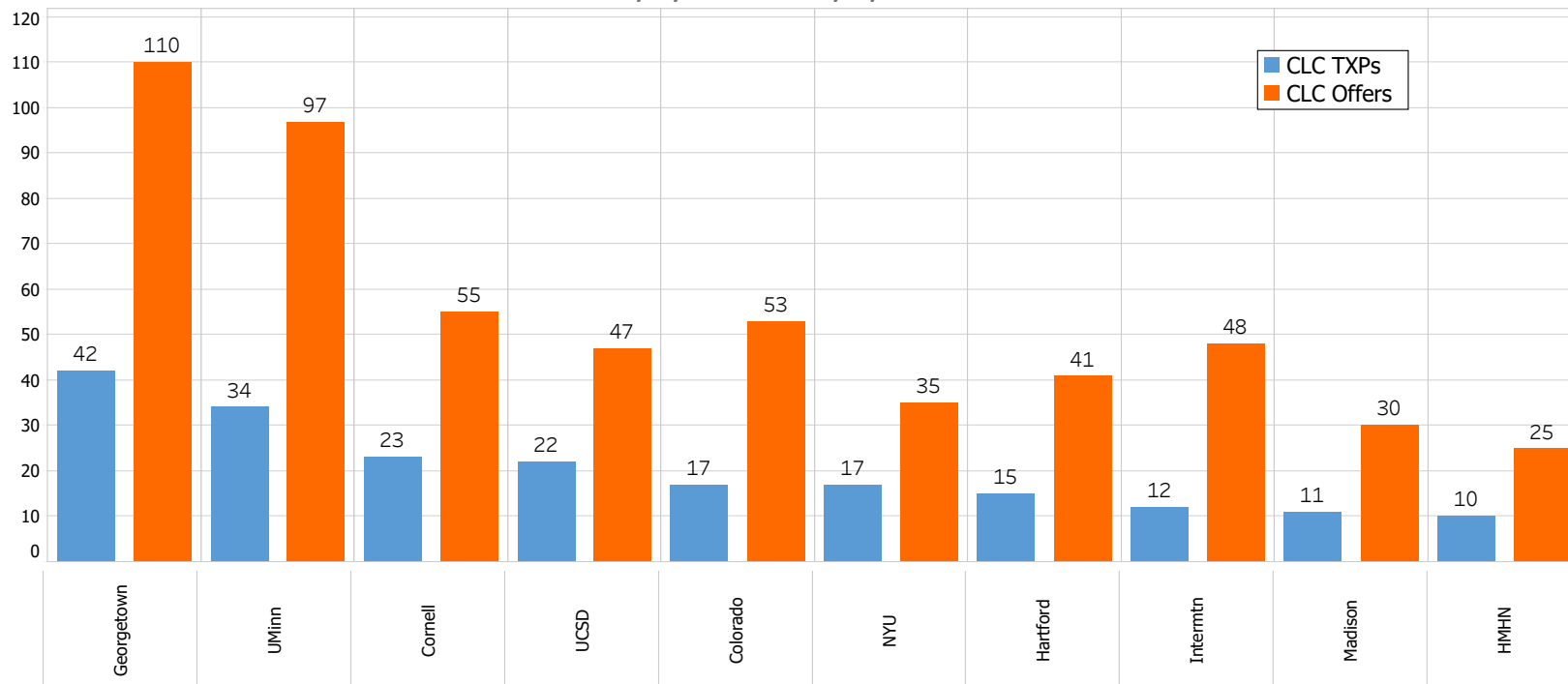
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To see the latest Kidney for Life participating centers [click here](#).

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# Top Center Liquidity Contributors (CLC)

CLC Driven Match Offers  
7/6/2020 – 7/5/2021



As of 7/5/2021 14:18:54


The Center Liquidity Contribution ("CLC") program scores Member Centers based on their contribution to the pool liquidity. Centers with positive CLC scores are given matching priority.



# Partner Center Chain End Targets

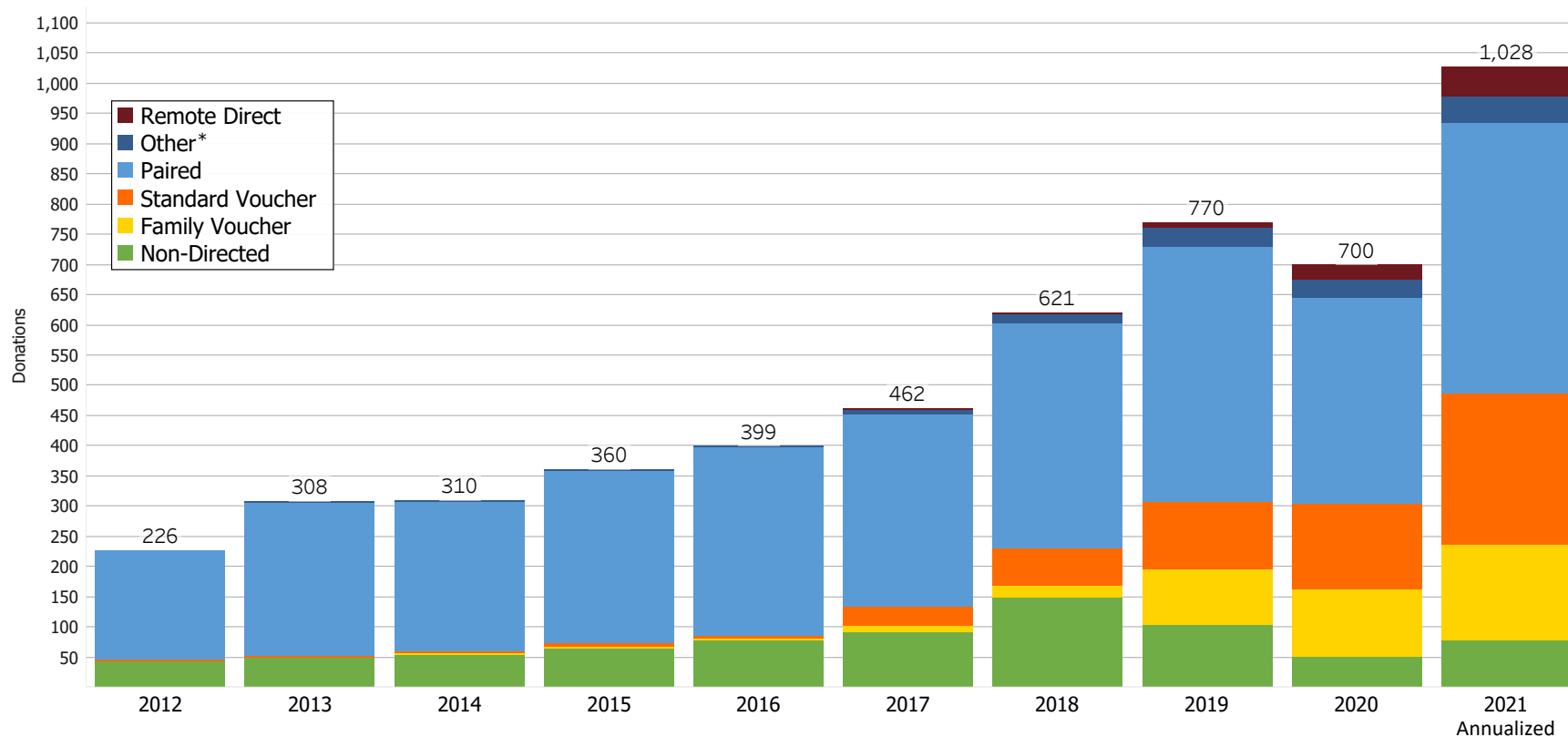
Center	Chain End Target	Family Voucher O Chains Last 24 Months	Family Voucher Non-O Chains Last 24 Months	Net Chains Starts	Match Offer Declines Last 12 Months	Match Offer Decline Ratio	Center Liquidity Contribution
UCSD	7	4	8	-24	1	14	18840
Maine	6	2	4	-10	5	71	1560
Brigham	5	3	6	-17	0	0	5600
CCFlorida	5	2	1	-5	3	75	-4040
Rush	5	1	5	-8	4	50	-1880
StDavidsTX	5	1	1	-1	1	17	5200
Hartford	4	3	4	-14	6	43	7940
HMHN	4	2	0	-4	0	0	1000
Legacy	4	2	1	-5	12	92	-2980
NYU	4	3	4	-14	6	38	2800
Avera	3	2	2	-8	3	38	1800
ChristHosp	3	1	1	-3	0	0	4820
Cincinnati	3	1	0	0	0	0	-800
MayoAZ	3	7	4	-32	2	15	-3500
Georgetown	2	10	9	-53	5	19	17910
MtSinai	2	1	1	-4	2	40	-13630
UCSF	2	7	6	-36	4	19	-17300
VAHD	2	1	2	-5	0	0	3560
Penn	1	2	3	-12	8	42	-2270
UHCleveland	1	0	1	-1	0	0	2400
Allegheny	0	1	1	-6	0	0	-3040
Piedmont	0	0	1	-2	2	40	-7000
PorterAH	0	0	0	0	1	100	2460
Sharp	-1	0	1	-3	0	0	-2390
Vidant	-1	0	0	-1	0	0	4000
Emory	-2	2	2	-14	0	0	560
UMinn	-2	8	4	-39	6	23	21280
VirginiaMason	-4	0	0	-4	2	29	7000
Cornell	-6	7	6	-46	10	42	1300
UCLA	-9	3	5	-31	2	14	1800
Madison	-16	8	18	-84	12	52	150

As of 7/12/2021

 Decline ratio > 100



# Kidney Donations by Donor Type

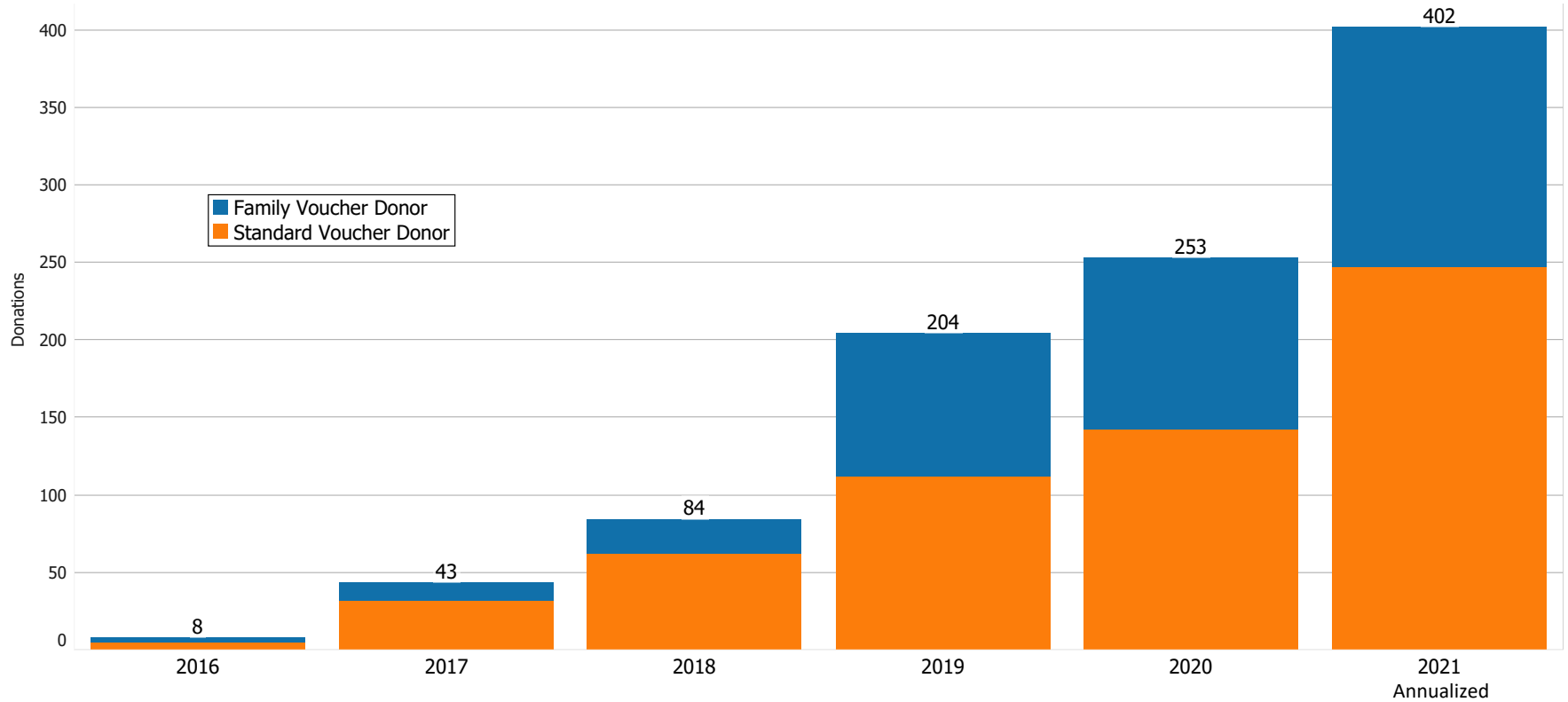


As of 7/3/2021 09:16:32

\*Other = Swap Saver and Real Time Swap Failure donors



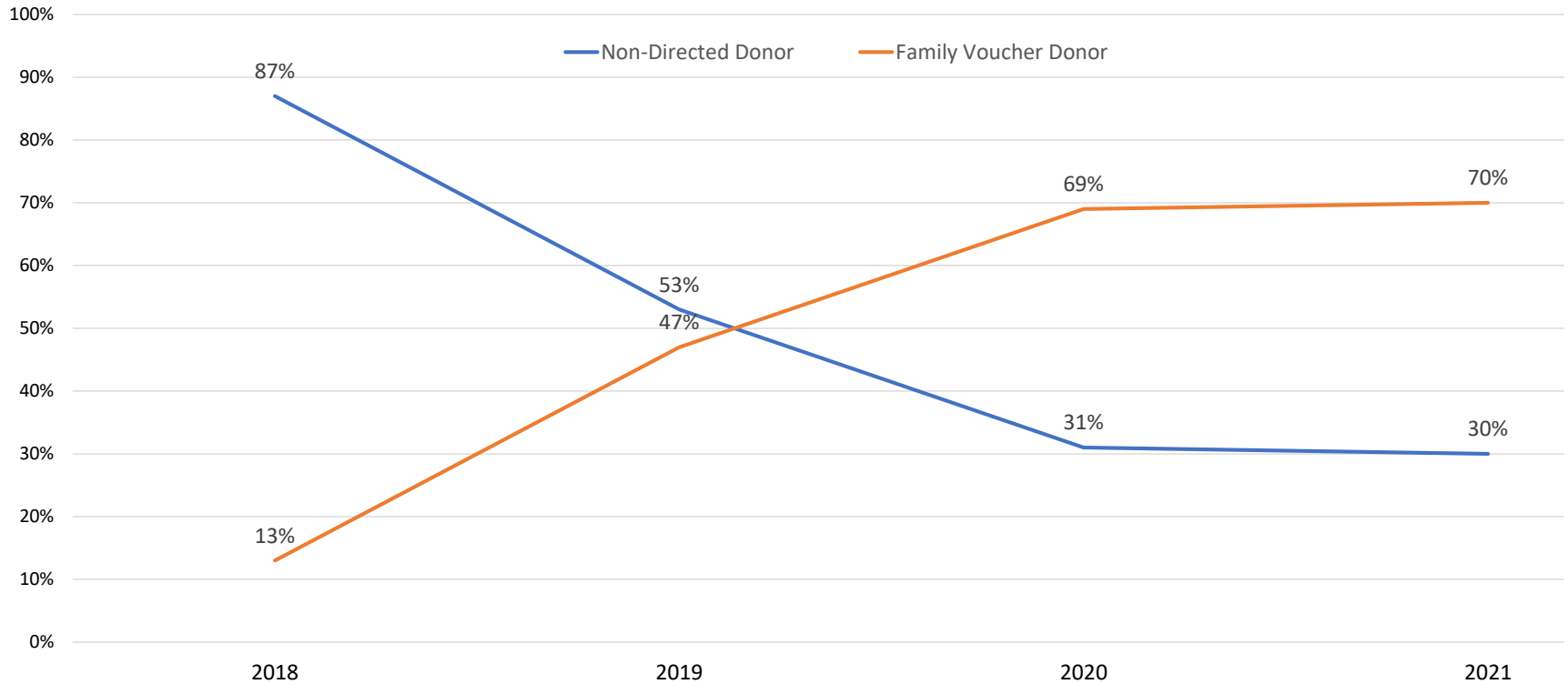
# Growing Popularity of Voucher Donation



As of 7/7/2021 09:20:15



# Transition to Family Voucher Donation



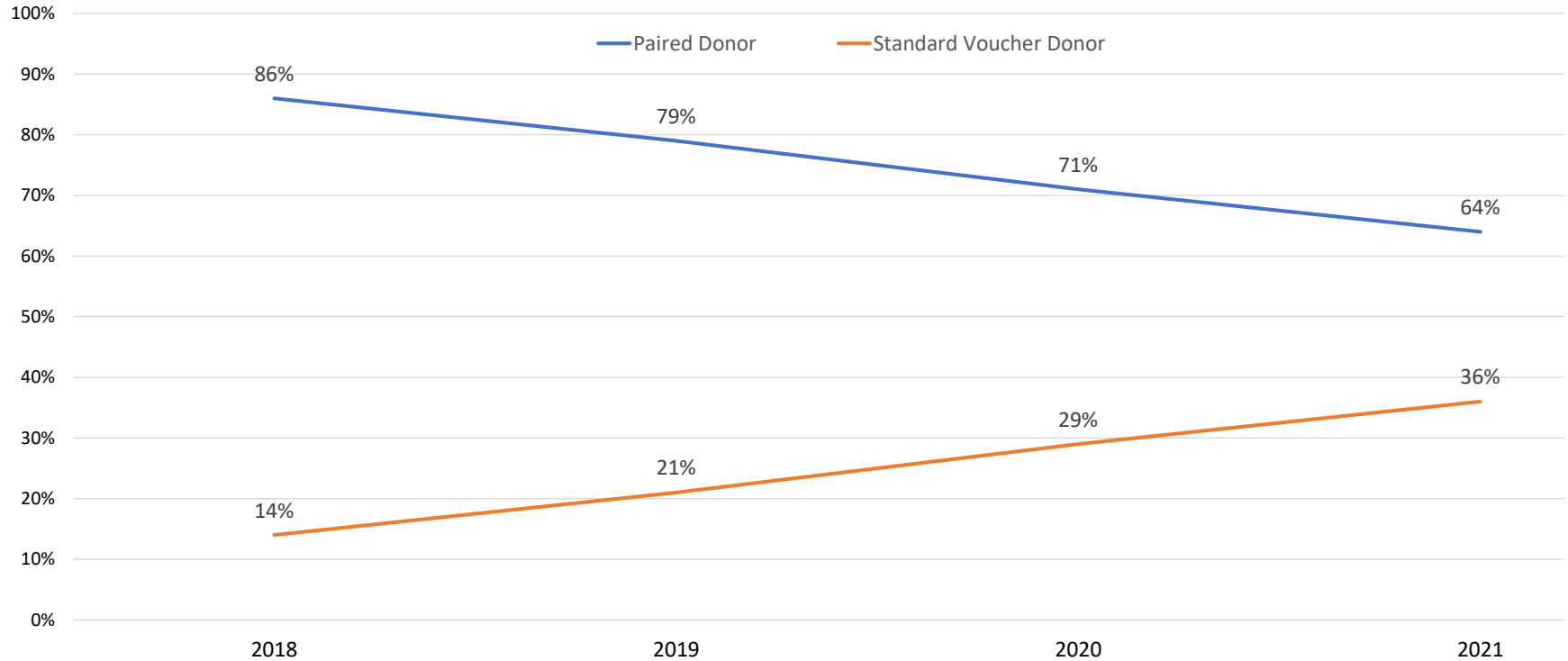
As of 7/7/2021 14:30:54





# Uncoupling Trend

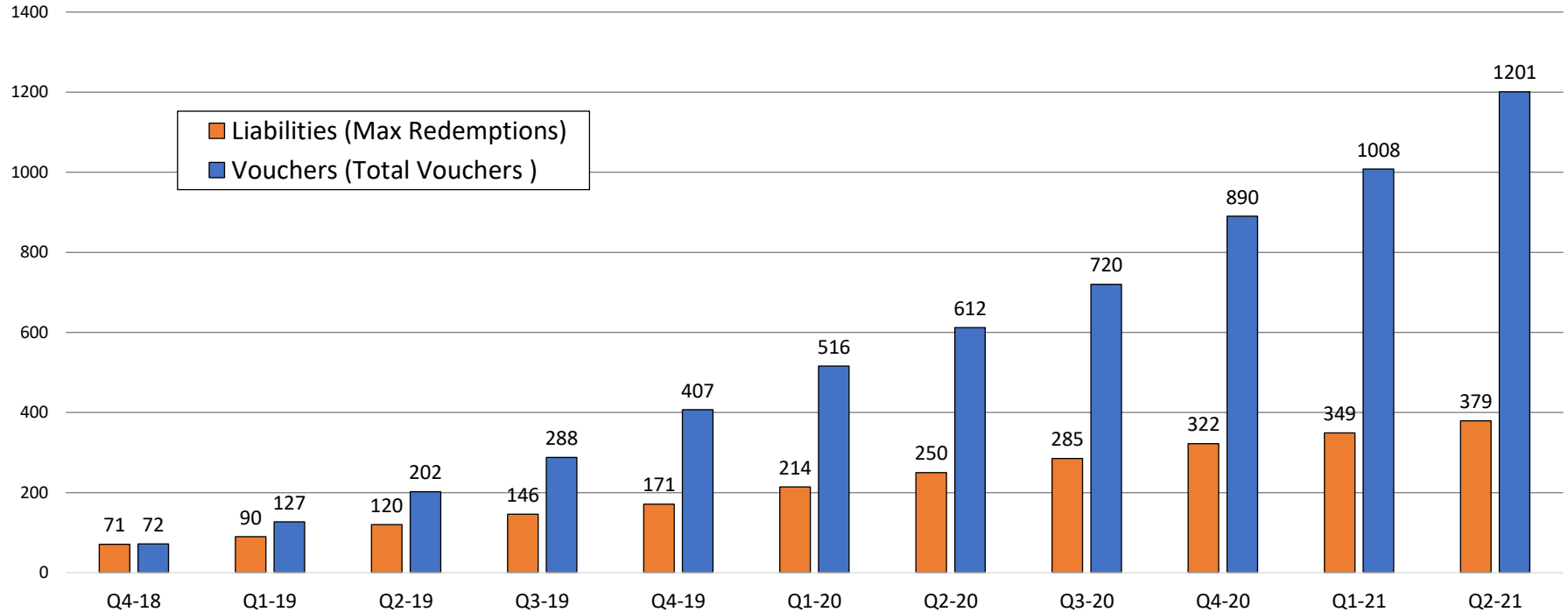
## Transition from Paired to Standard Voucher Donation



As of 7/7/2021 14:30:54



# Vouchers Outstanding

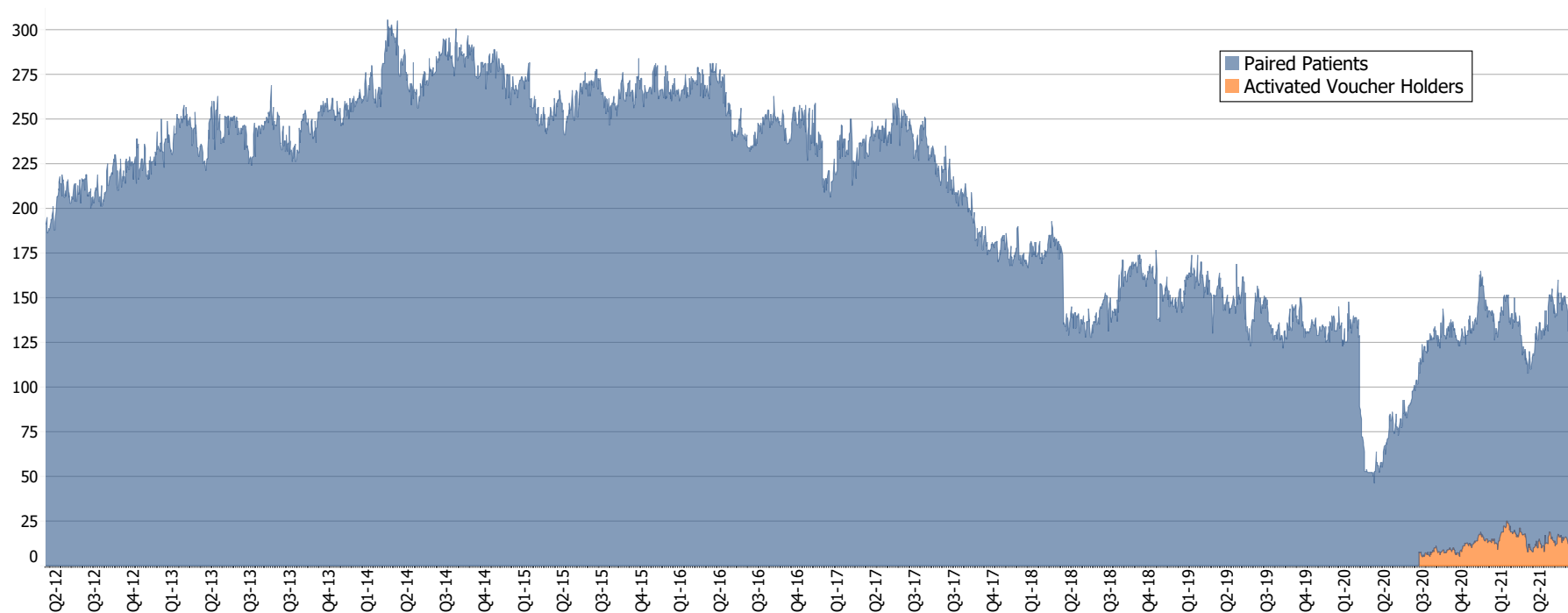


As of 7/14/2021



# Pool Size

## Unmatched Patients



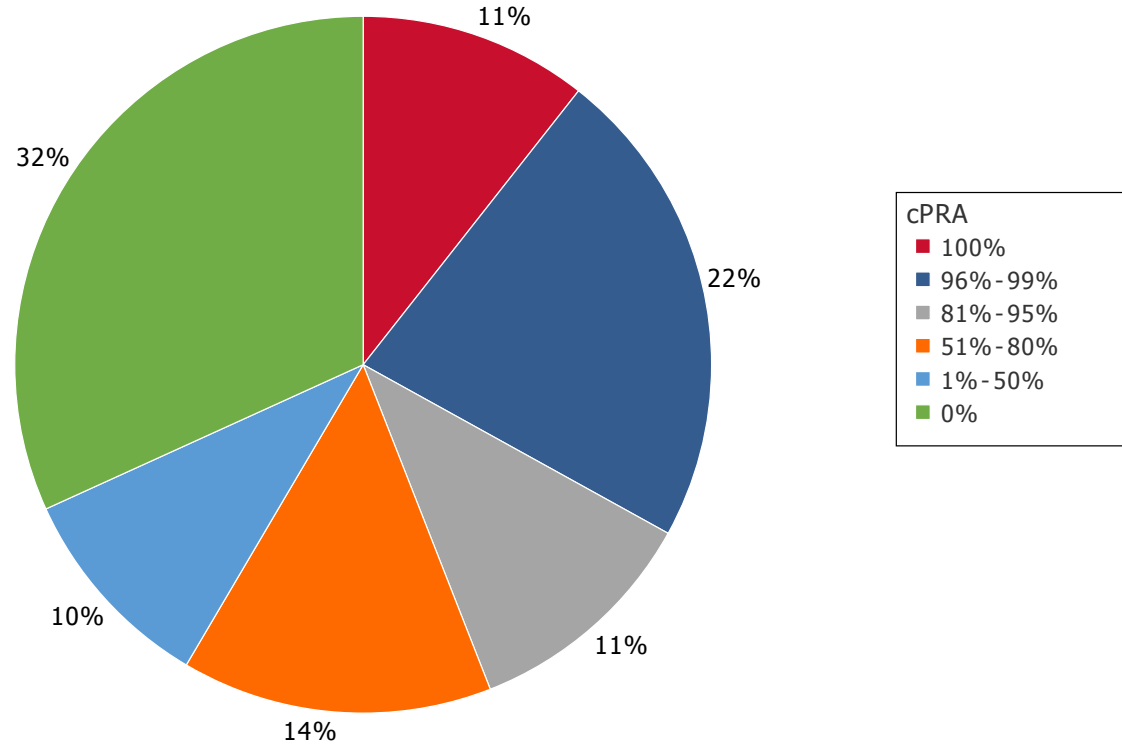
As of 7/5/2021 09:31:28

Pool snapshot was modified in July 2020 to include Activated Voucher Holders.



# Pool Composition by cPRA

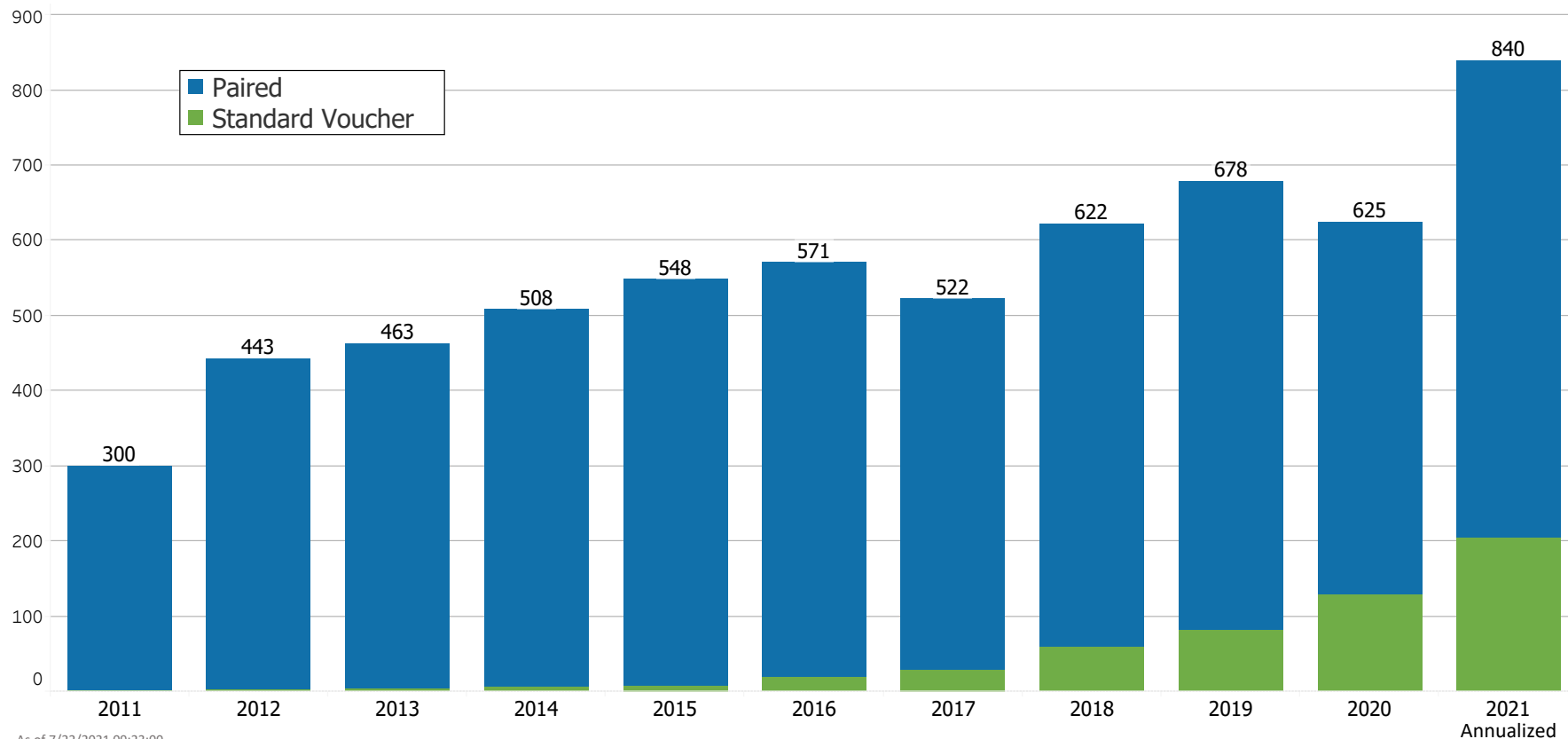
Unmatched Paired and Voucher Patients



As of 7/3/2021 09:16:32

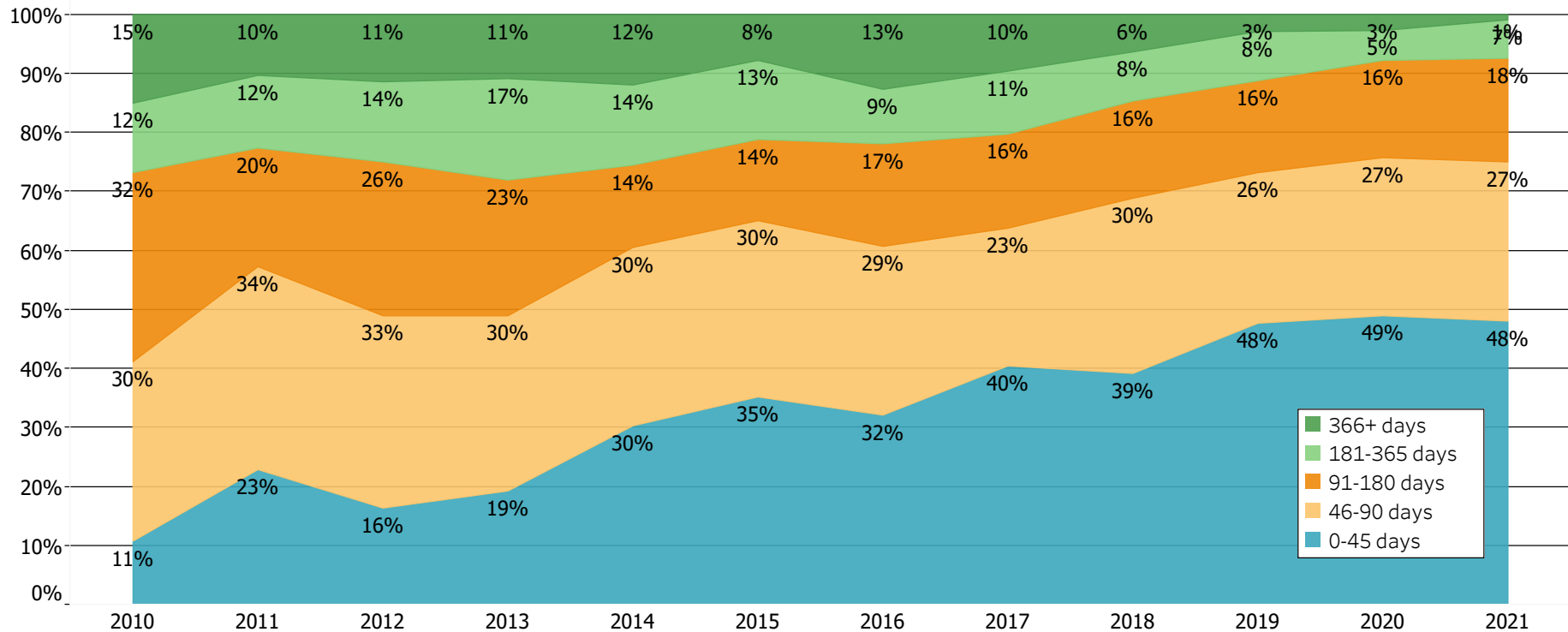


# New Exportable Patients



# Wait Time Distribution

From Exportability to Transplant

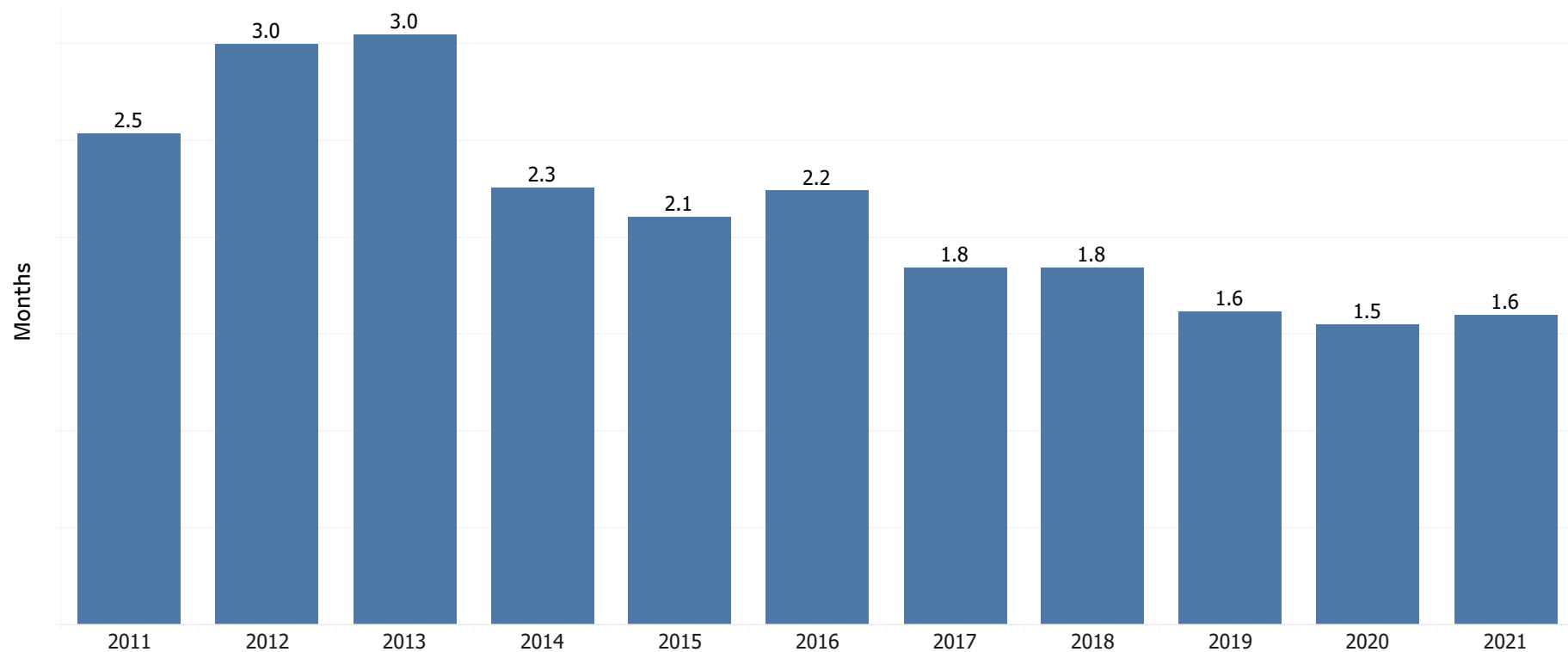


As of 7/5/2021 09:45:34  
Excludes Chain End Offers to Waitlist Patients



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# Transplanted Recipients Median Wait Time

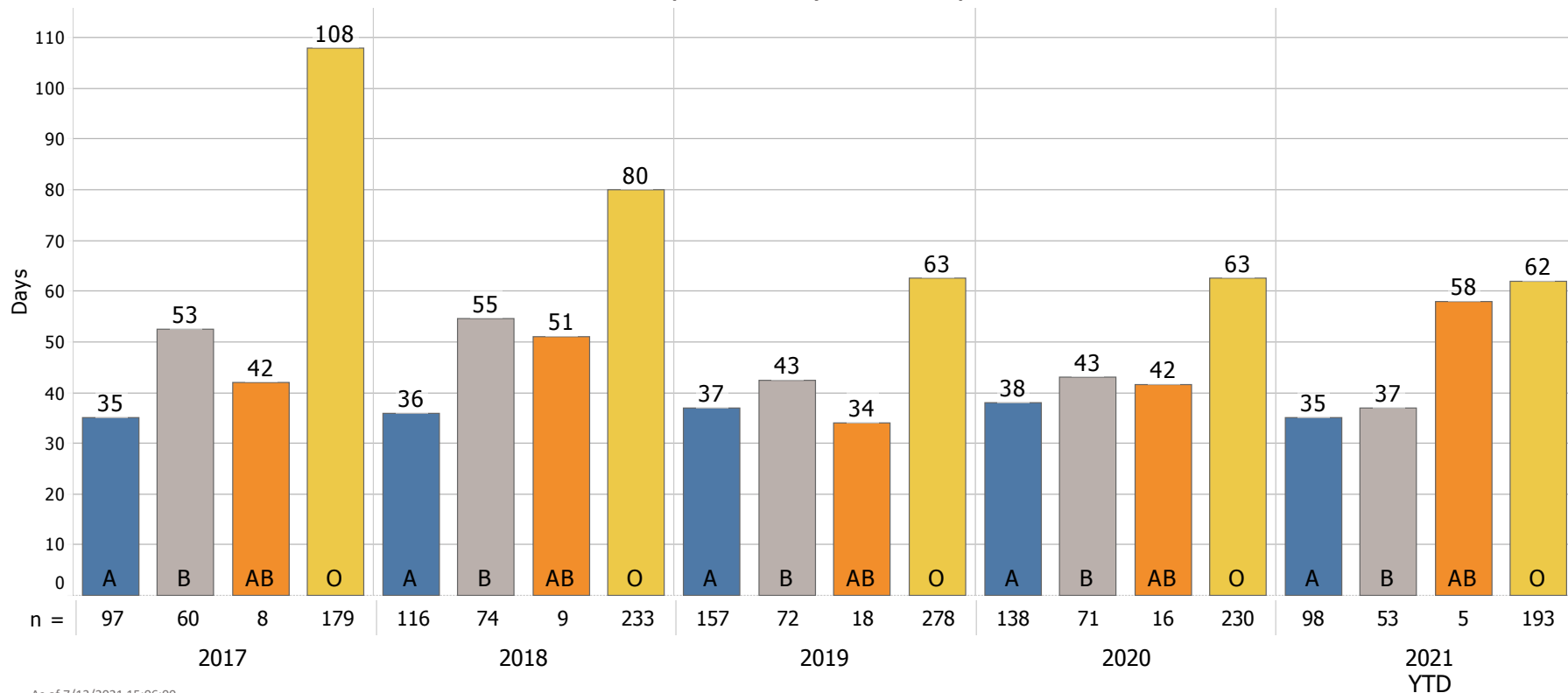


As of 7/5/2021 09:06:46



# Median Wait Time by Blood Type

From Exportability to Transplant



As of 7/13/2021 15:06:00





# Patients Waiting More Than 1 Year

Due to High cPRA

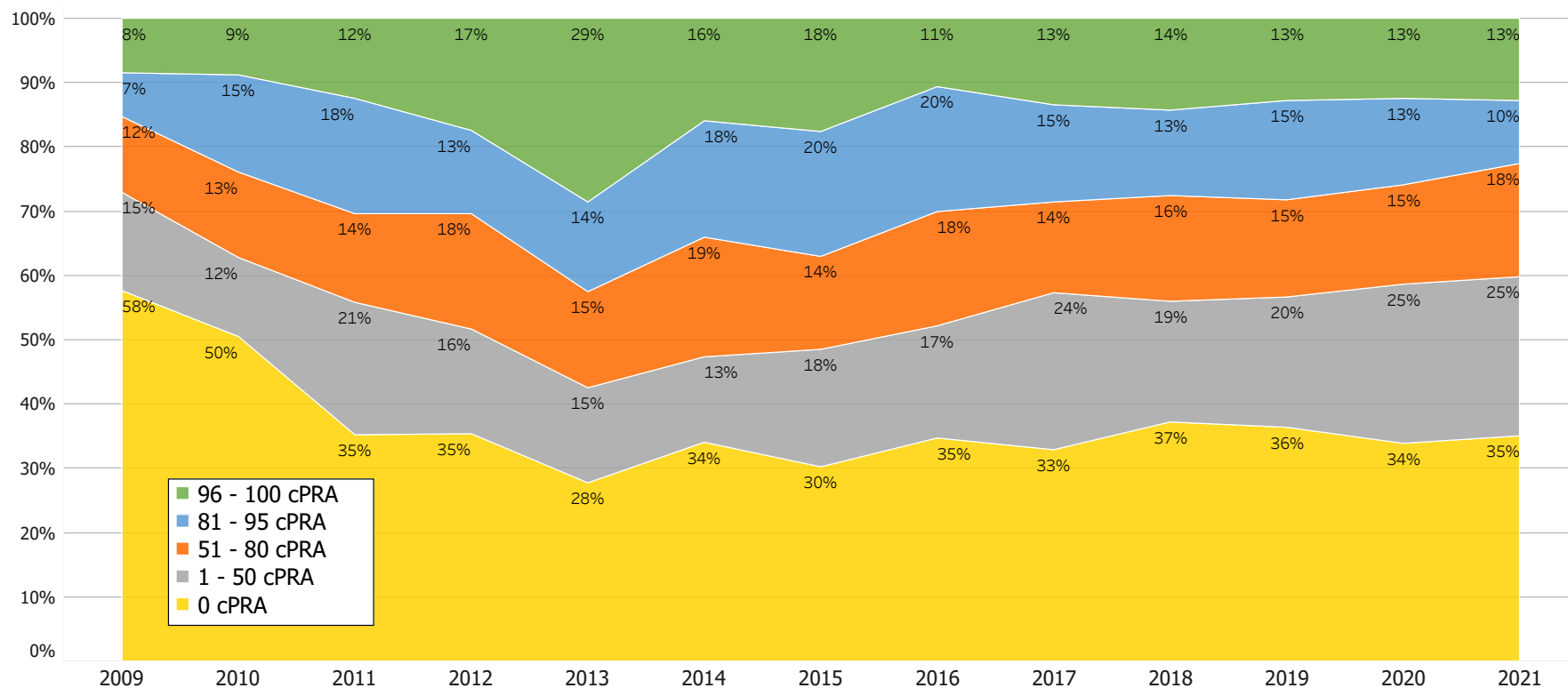
#	Patient Alias	P-ABO	cPRA	Months Wait	Patient Type
1	MAB1402991	AB	100.00	80	Voucher
2	GM8784	B	100.00	66	Paired
3	R475238	O	100.00	30	Paired
4	REYKRI750	B	100.00	25	Paired
5	RFLCC30	O	100.00	22	Voucher
6	PAC3140047	O	100.00	21	Paired
7	CB1040805	A	100.00	21	Voucher
8	540682214G	A	100.00	17	Voucher
9	TC10443436	O	100.00	16	Paired
10	RSALBLA	A	100.00	15	Paired
11	SA500587R	O	100.00	14	Paired
12	R324744	O	99.99	45	Voucher
13	M000464196	O	99.99	26	Paired
14	C903849873	O	99.99	20	Paired
15	BW7106678R	A	99.99	17	Voucher
16	135046567G	B	99.97	18	Voucher
17	UC06142609	O	99.96	57	Paired
18	MWASH1983	O	99.96	20	Paired
19	BARMAR	B	99.93	14	Paired
20	RORM1980	A	99.82	12	Paired
21	JM1661883	O	99.70	16	Voucher

As of 7/3/2021 09:16:32

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



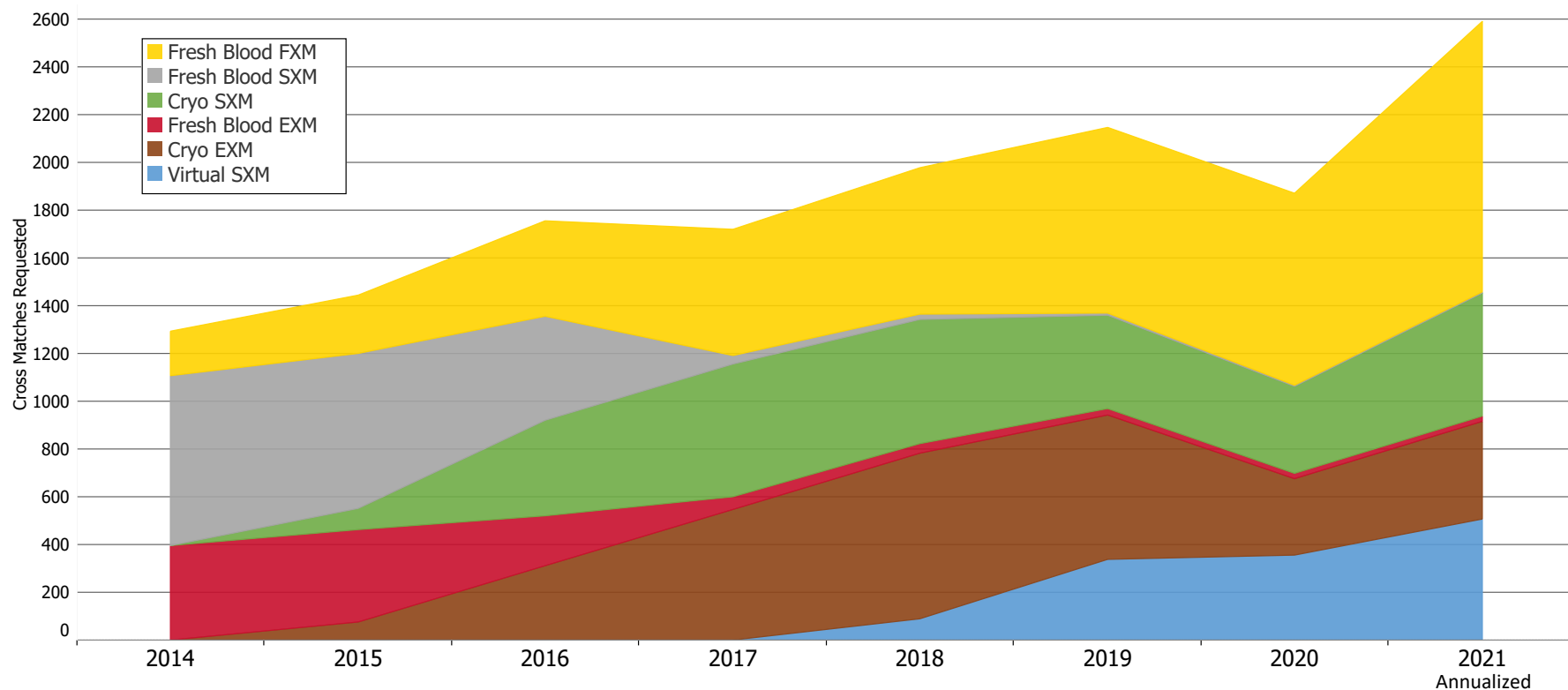
# Transplanted Recipients by cPRA



As of 7/3/2021 09:16:32



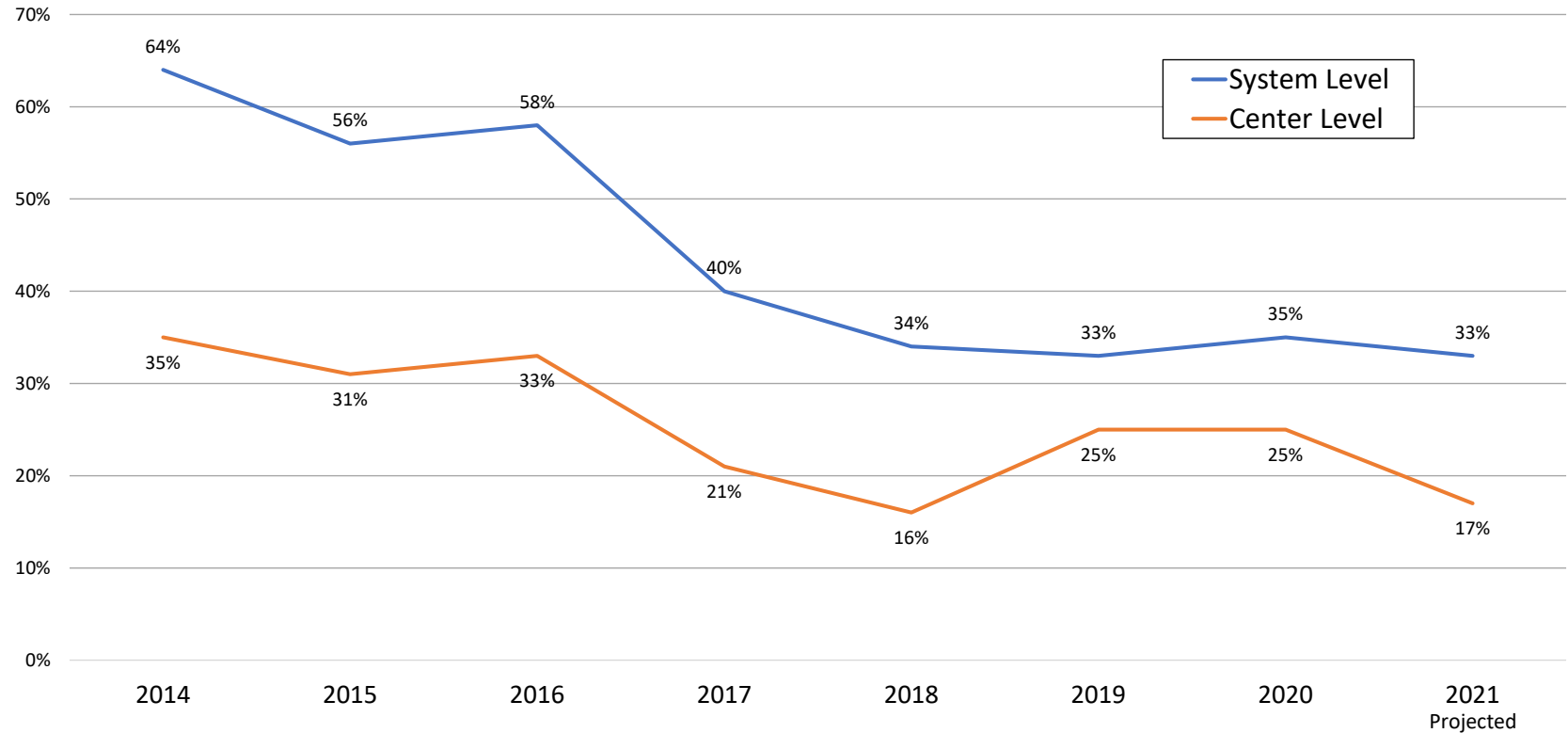
# Streamlined Crossmatches Requested



As of 7/7/2021 09:26:22



# Swap Failure Rates

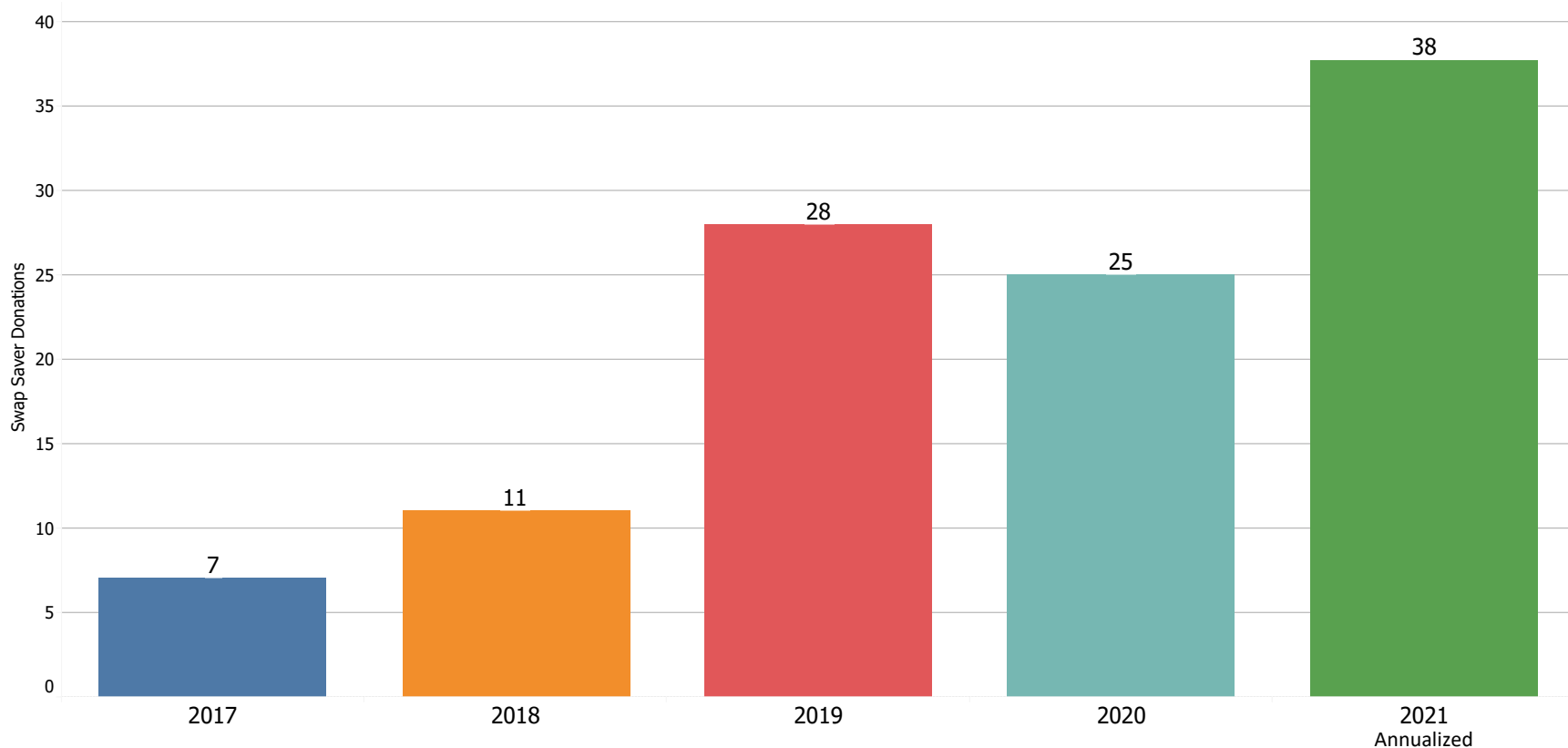


As of 7/12/2021

System Level formula:  $(1 - (\text{Transplants} / \text{Commenced XMs}))$  Center Level formula:  $(\text{Swap Failures} / \text{Transplants})$



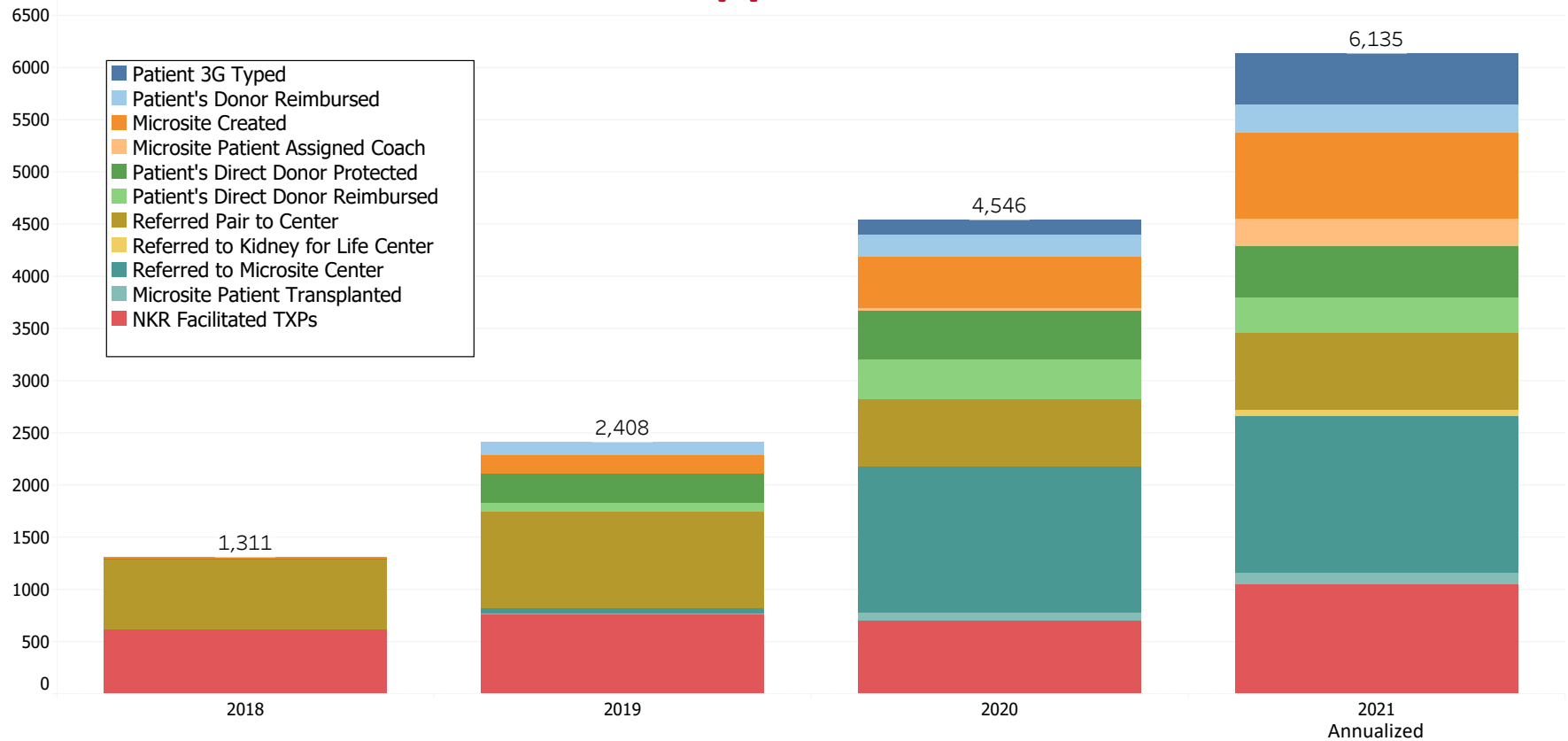
# Swap Failures Saved by Swap Saver Voucher Donors



As of 7/20/2021 18:20:00



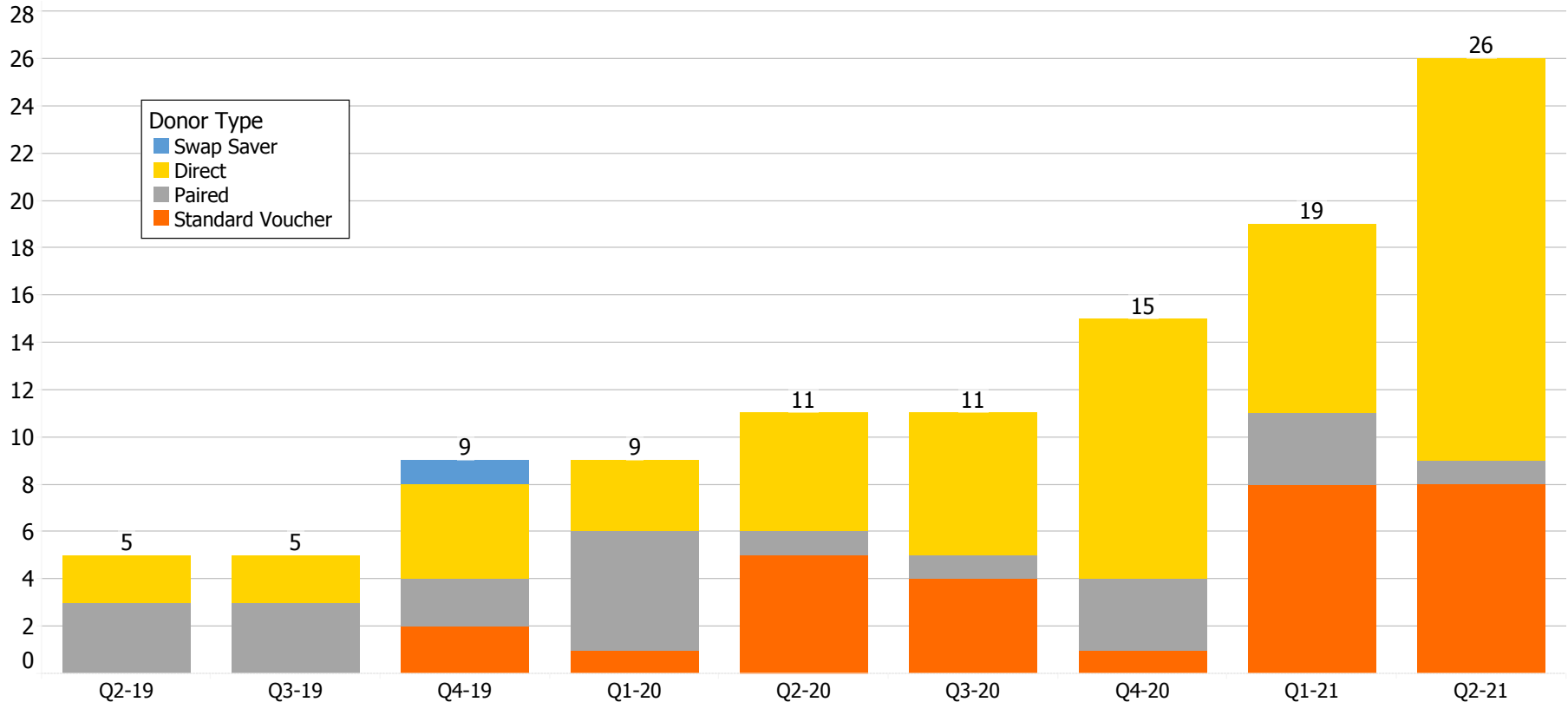
# Patient Support Activities



As of 7/22/2021 09:32:09



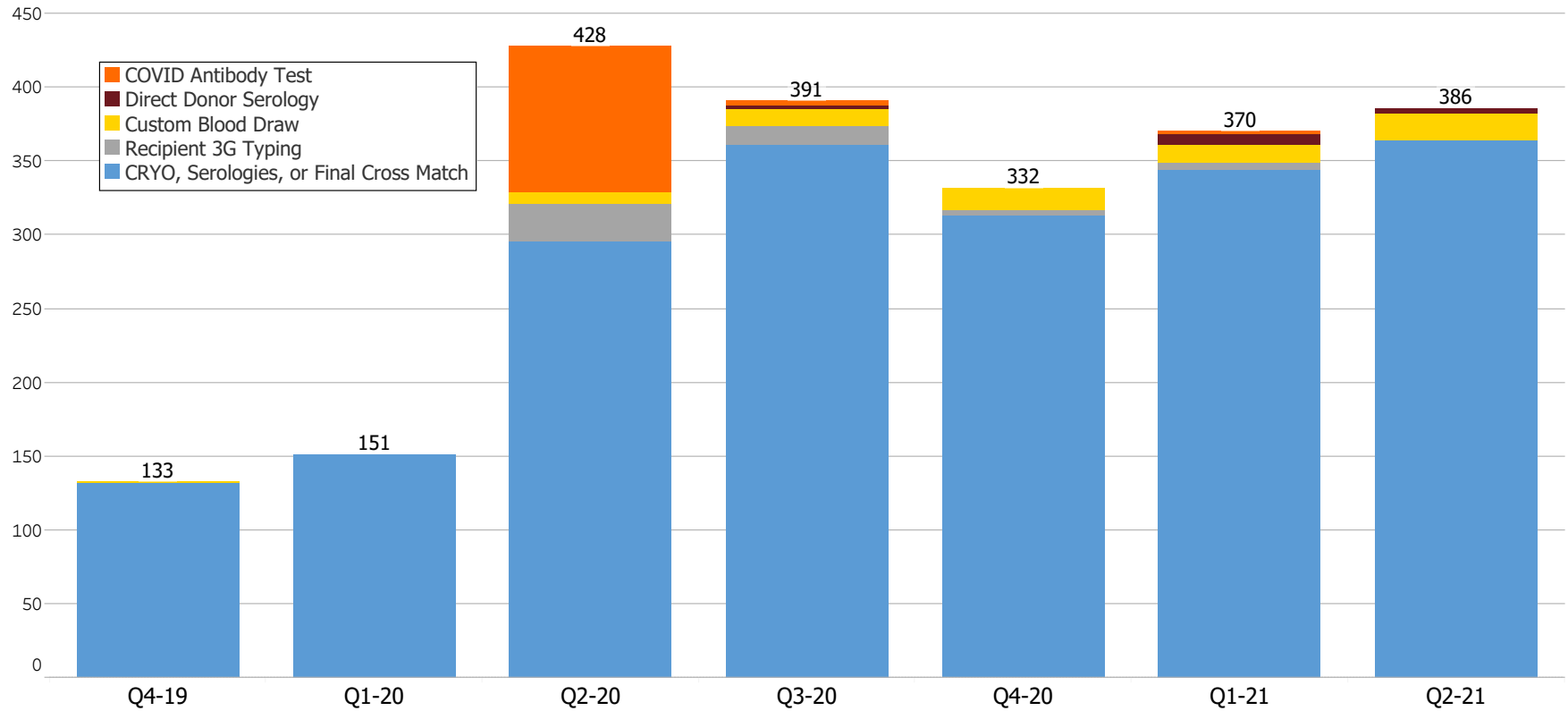
# Remote Donations by Donor Type



As of 7/5/2021 09:31:28



# Home Blood Draw Requests



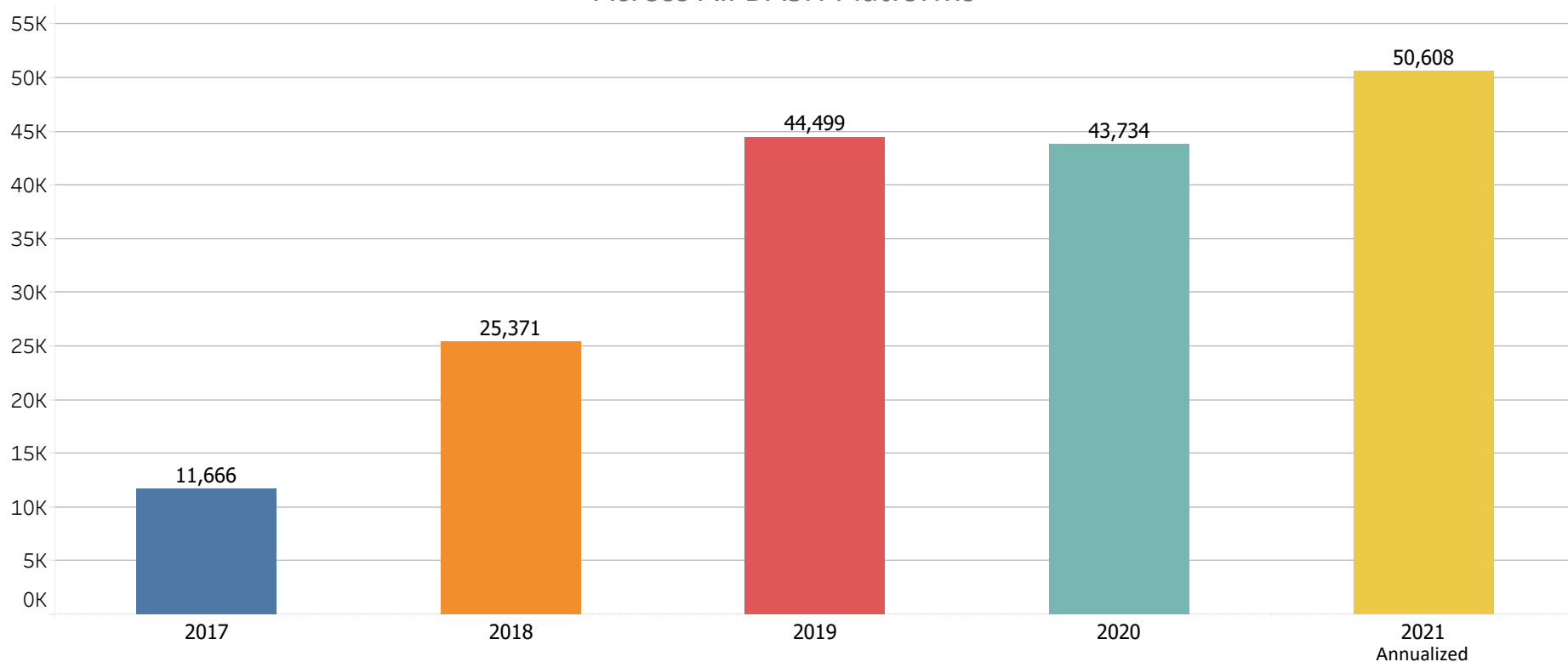
As of 7/16/2021 14:06:57





# Donor Candidate Registrations

Across All DASH Platforms

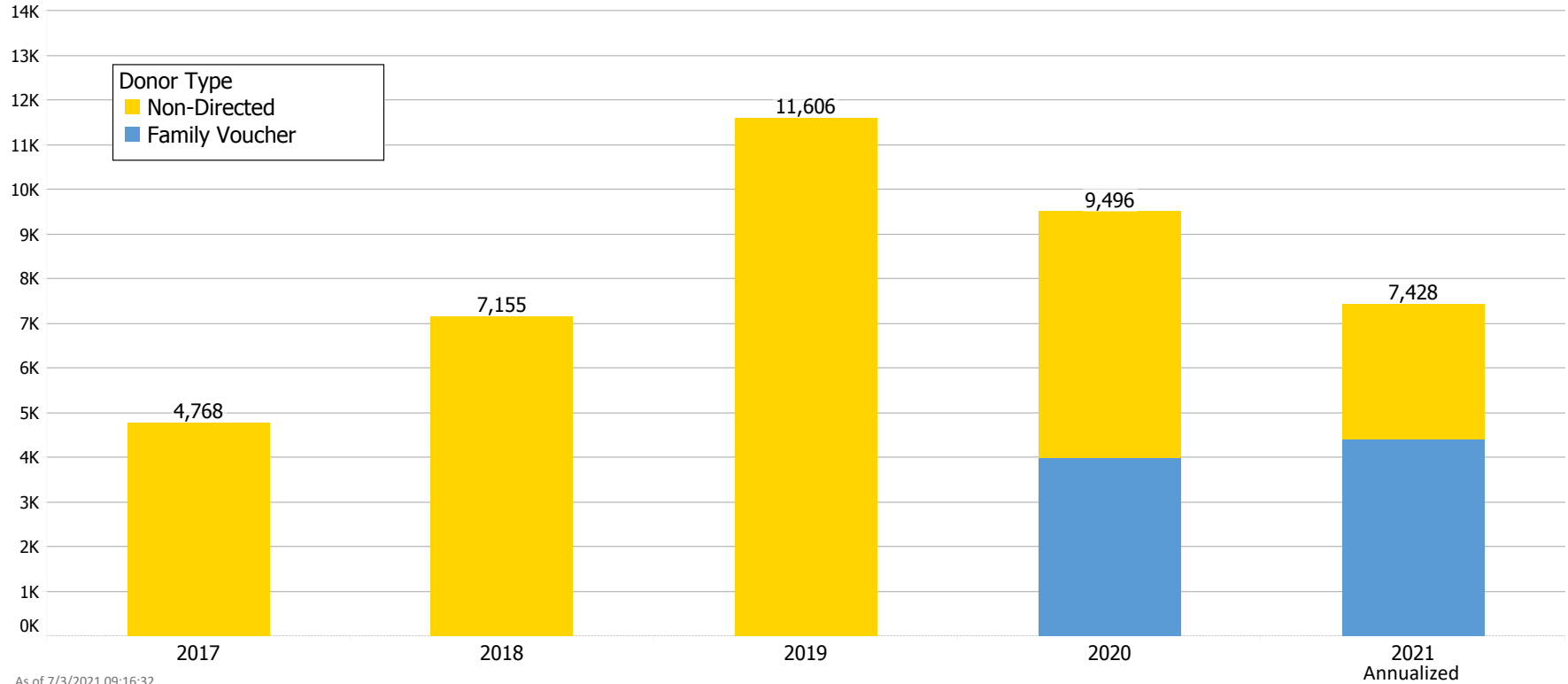


As of 7/3/2021 09:16:32



# Good Samaritan Donor Candidate Registrations

Across All DASH Platforms



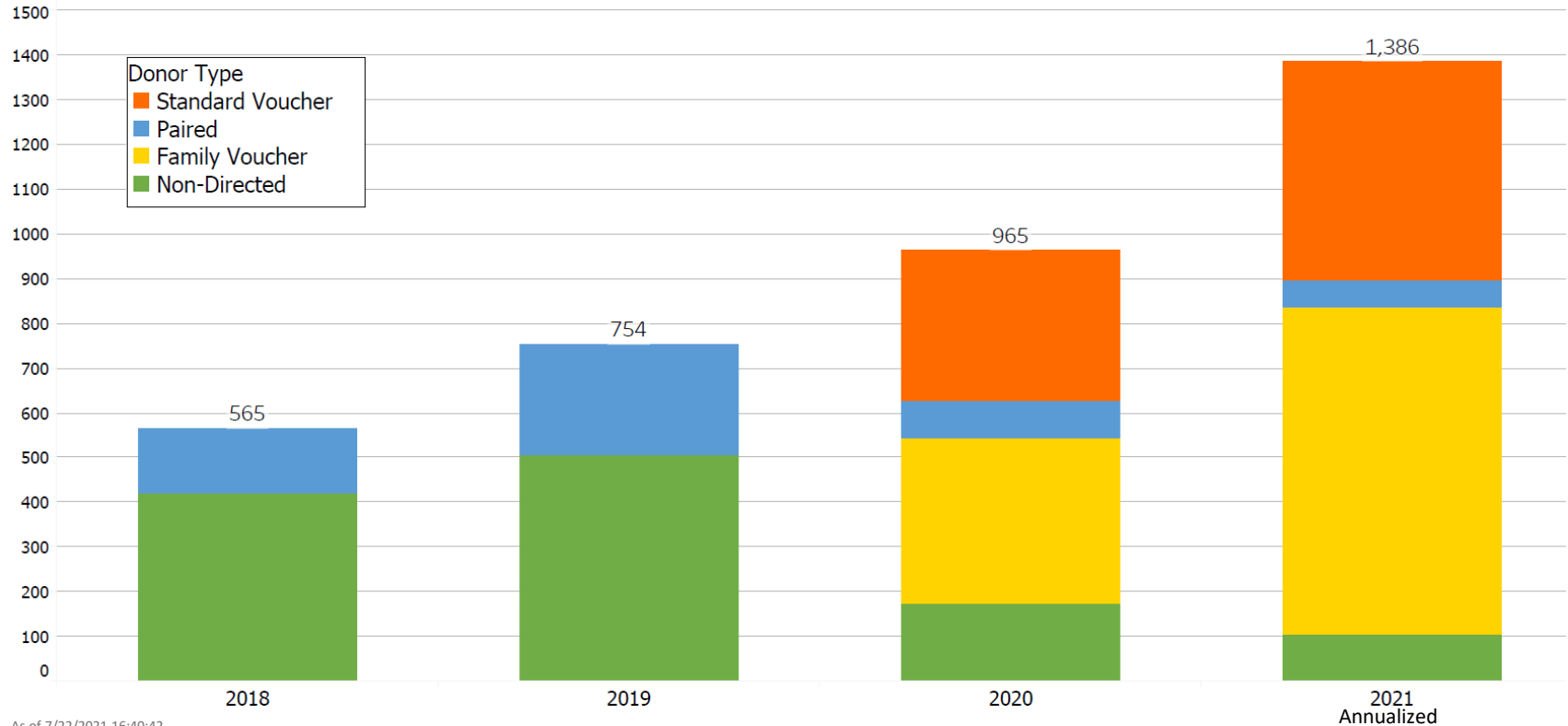
As of 7/3/2021 09:16:32

Good Samaritan donors includes Non-Directed Donors and Family Voucher Donors

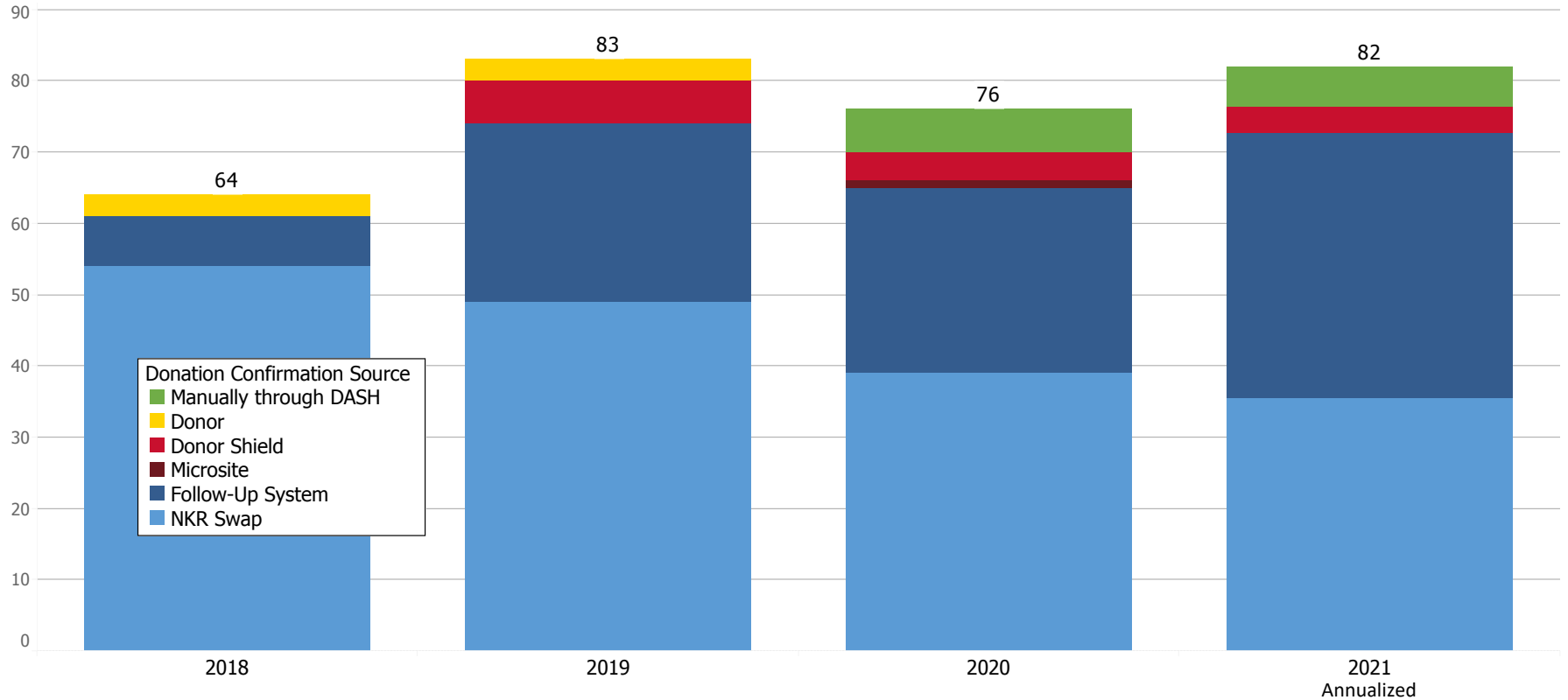


# NKR & DCN Donor Candidate Referrals

Referred to NKR Member Centers



# Donations from NKR & DCN Referrals



As of 7/13/2021 10:46:13



# Educational Resources

[kidneyregistry.org](https://www.kidneyregistry.org)

[donor-shield.org](https://www.donor-shield.org)

[kidneytransplantcenters.org](https://www.kidneytransplantcenters.org)

[donorcarenet.org](https://www.donorcarenet.org)

[kidneyforlife.org](https://www.kidneyforlife.org)

[livingdonorgames.org](https://www.livingdonorgames.org)