

Paired Exchange Results Quarterly Report

As of March 31, 2017

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Message from the Founder

We are pleased to report that we facilitated 100 transplants in the first quarter of 2017, up 12% over 89 transplants in the same quarter last year.

After a substantial re-engineering of our donor intake systems, to make the process easier for donor candidates, we have seen a 10X increase in NDD referrals to our Member Centers. Our private labeled donor intake system (DASH) is now live at 7 centers and is handling 4,000 donor candidate contacts per year. Across all of our donor intake platforms, we are now processing approximately 12,000 donor candidate contacts per year.

The new donor intake system now provides real-time management reporting (DASHboard) to keep track of key metrics such as the number of donor contacts by month, the percentage of donor candidates ruled out and the number of donor candidates backlogged in each step of the process. The donor satisfaction surveys have been implemented on the NKR intake platforms and we are beginning to gather and aggregate this important donor candidate feedback. We continue to make enhancements based on user feedback including more effective screening steps to eliminate unqualified international donor candidates and sophisticated duplicate registration detection to prevent gaming of the donor screening process.

In February we made cryo cells a condition of donor activation so that every donor in NKR now has cryo cells available for rapid cross matching. With nearly all Member Centers now accepting cryo cells for both exploratory and screening cross matches, we have further streamlined the network to more effectively find matches for highly sensitized patients, reduce swap failures and reduce median wait time to transplant which dropped to an all-time low of 1.9 months in the first quarter.

We achieved another important milestone recently by finding a 100 point HLA match (0 mismatch) for a compatible pair within one day of the activation. We continue to see more compatible pairs entering NKR to find better matched donors and this 6 antigen match case highlights the power of leveraging a national donor pool to find the best possible match for patients with compatible donors.

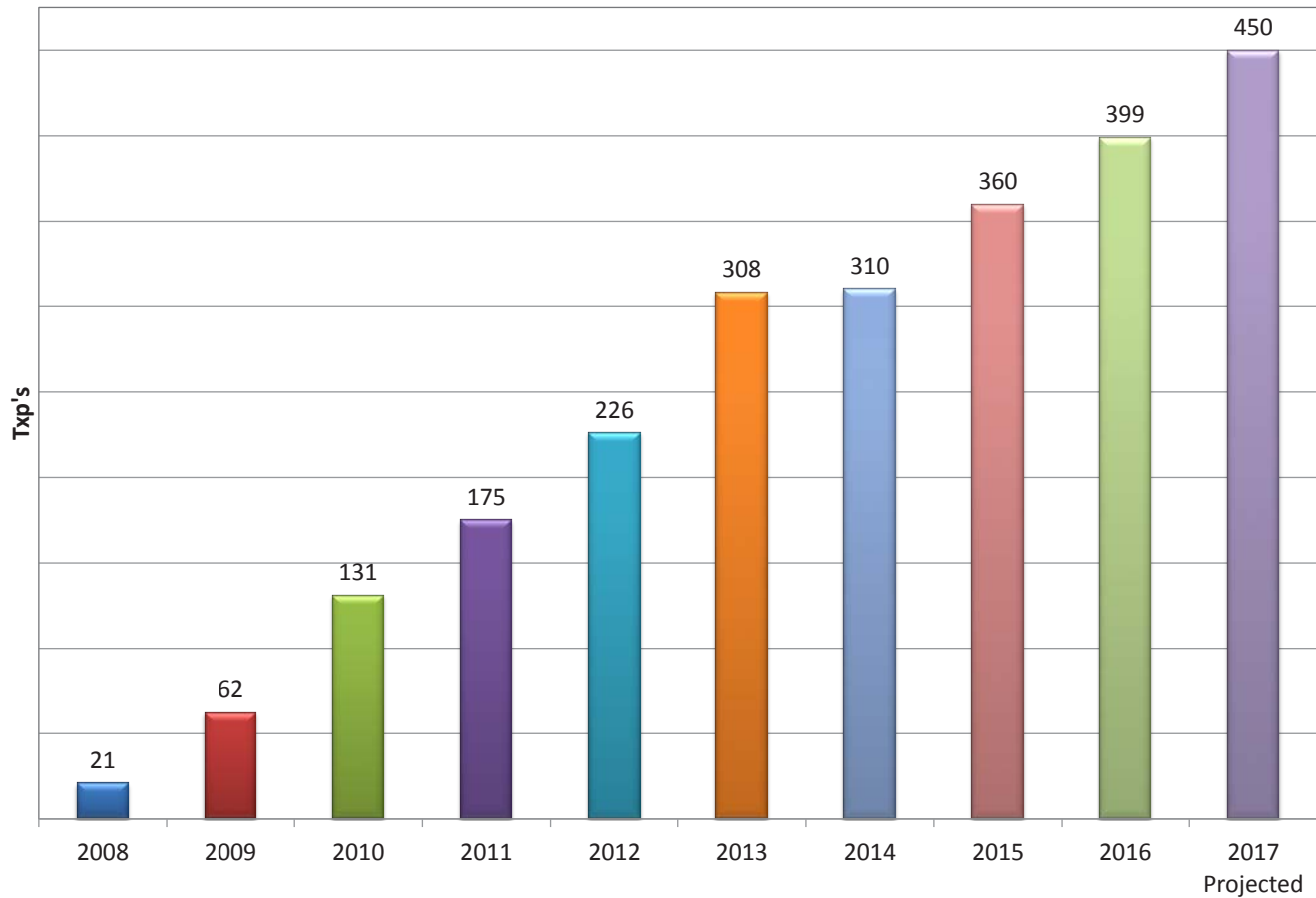
It is the ongoing dedication and effort of our Member Centers that enables us to continue breaking records and achieving new milestones. Thank you for your support and keep up the great work.

Sincerely,

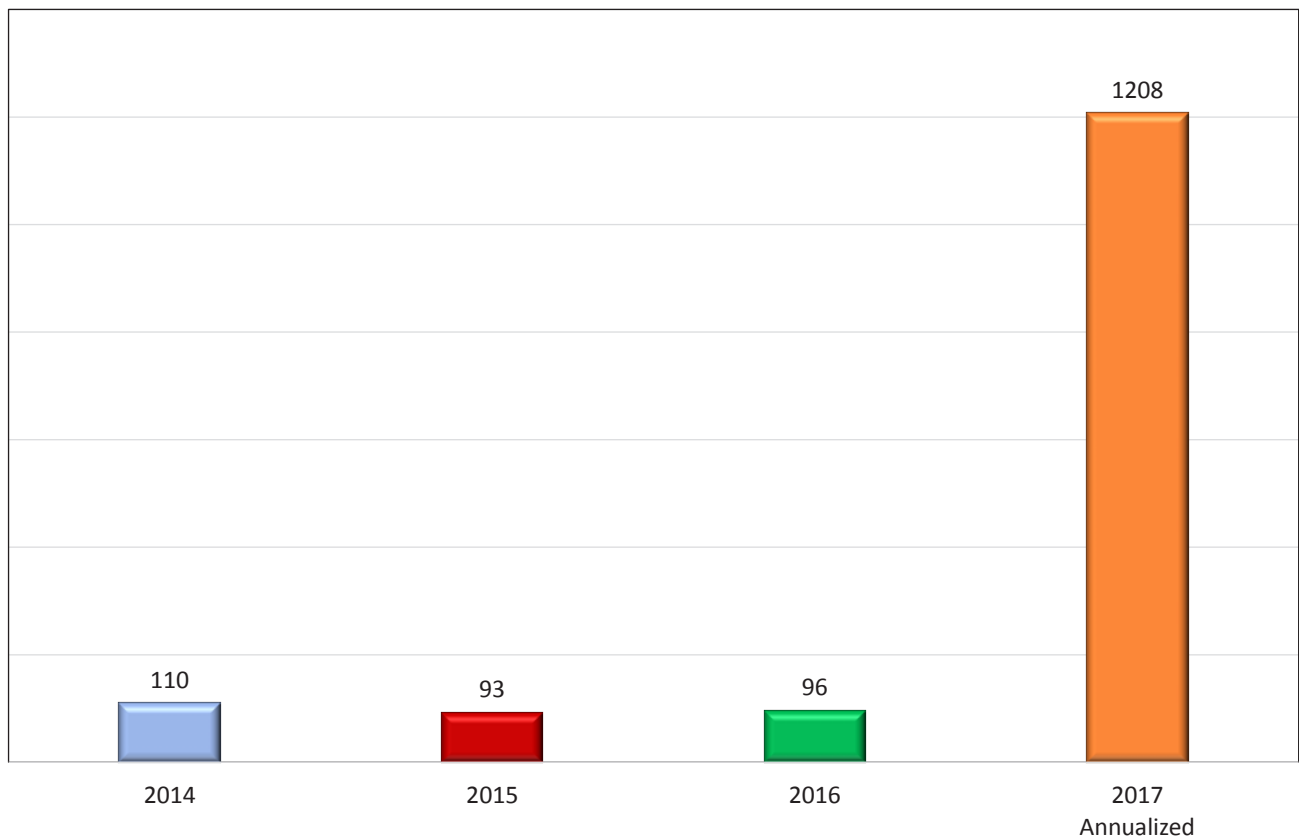
A handwritten signature in blue ink, appearing to read 'G Hil', with a stylized flourish extending from the end.

Garet Hil
Founder & CEO
National Kidney Registry

Transplants Facilitated

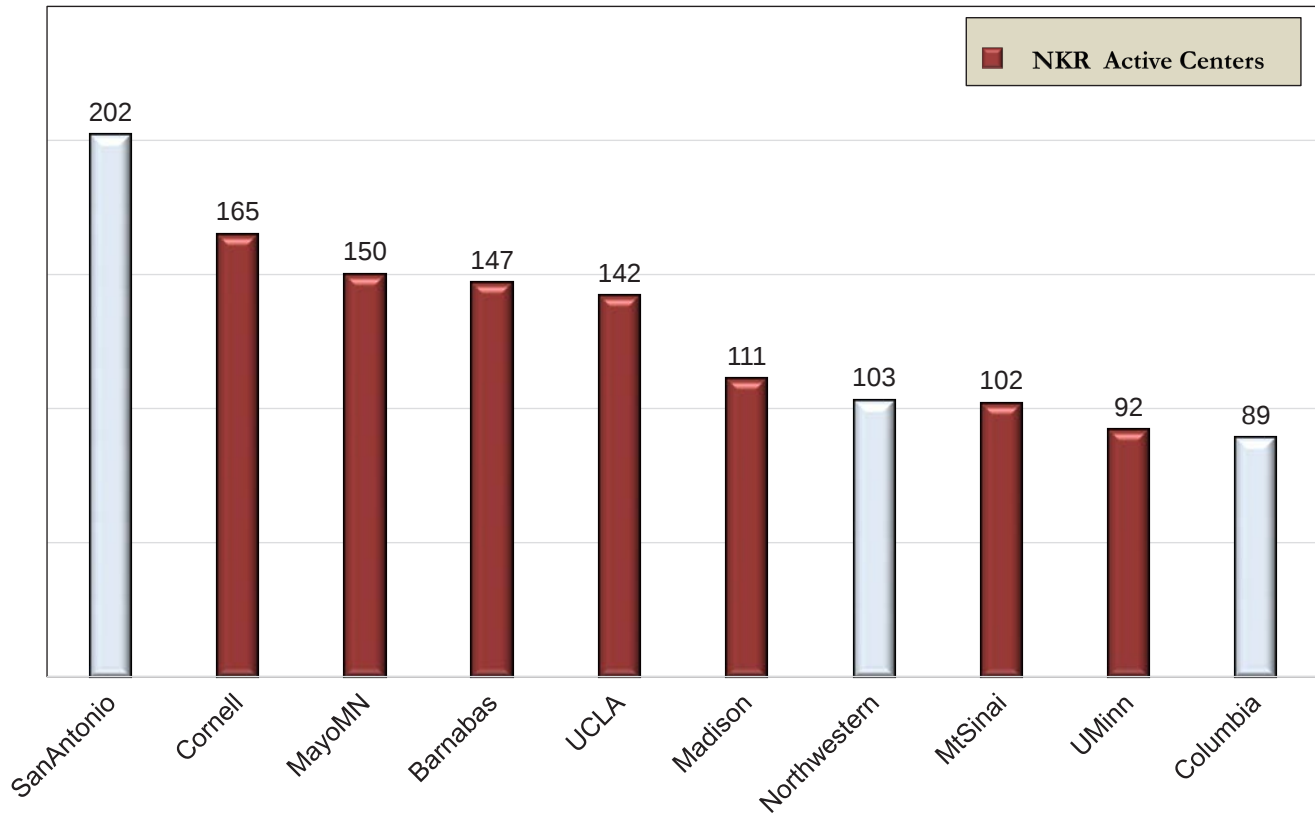


Non-Directed Donor Referrals



2016 Living Donor TXPs

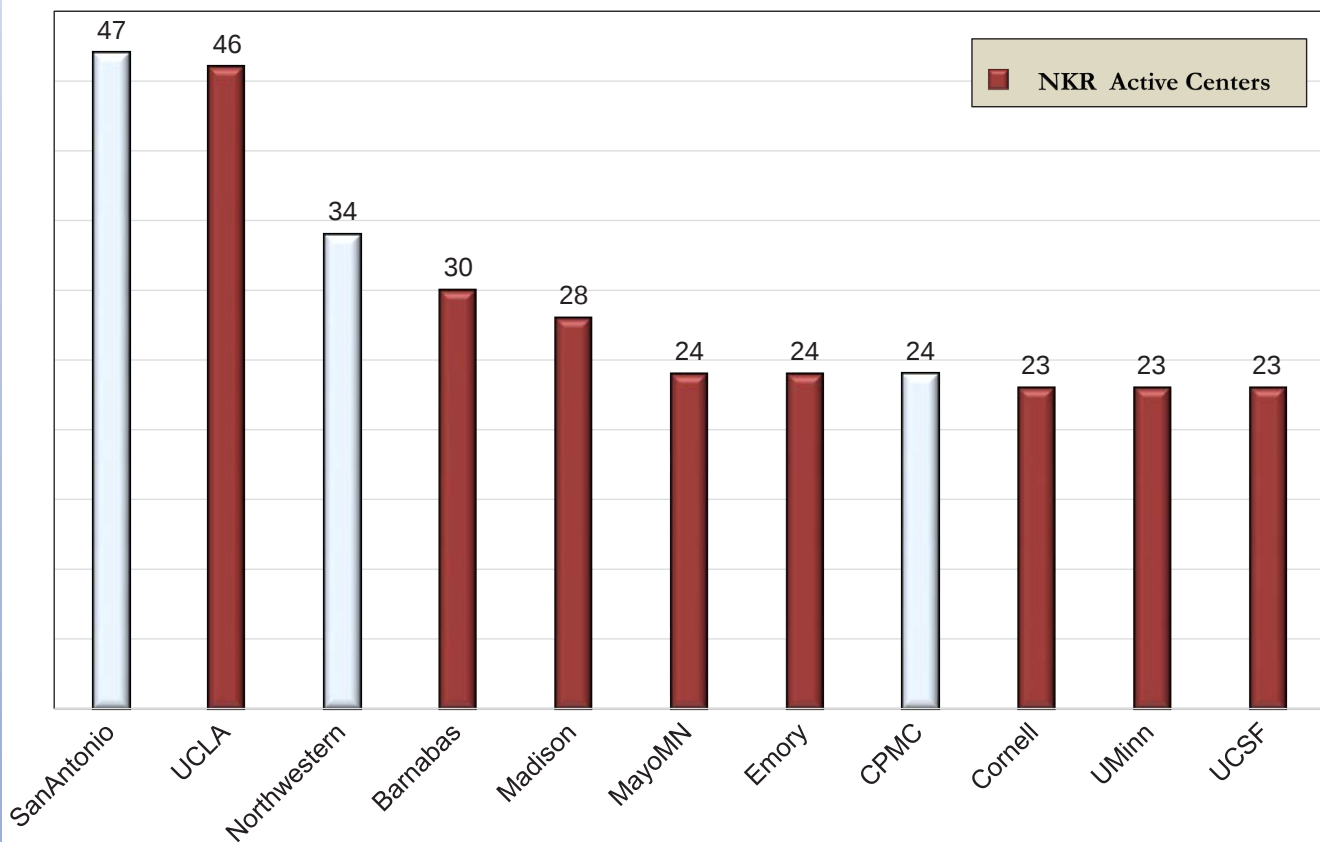
Top 10 LD Centers



**Source OPTN <https://optn.transplant.hrsa.gov/data/view-data-reports/build-advanced> Last accessed on Feb 2, 2017

2016 KPD TXPs

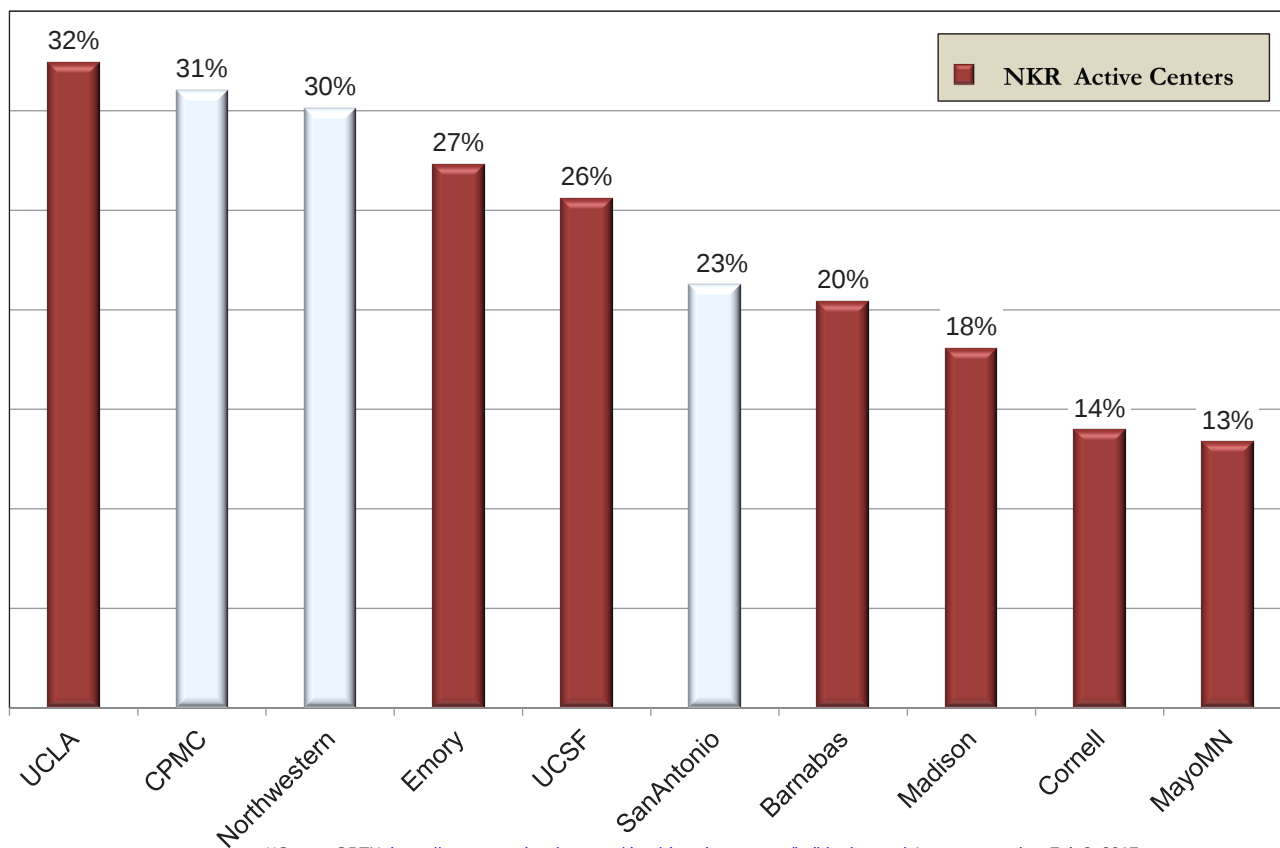
Top KPD Centers



**Source OPTN <https://optn.transplant.hrsa.gov/data/view-data-reports/build-advanced> Last accessed on Feb 2, 2017

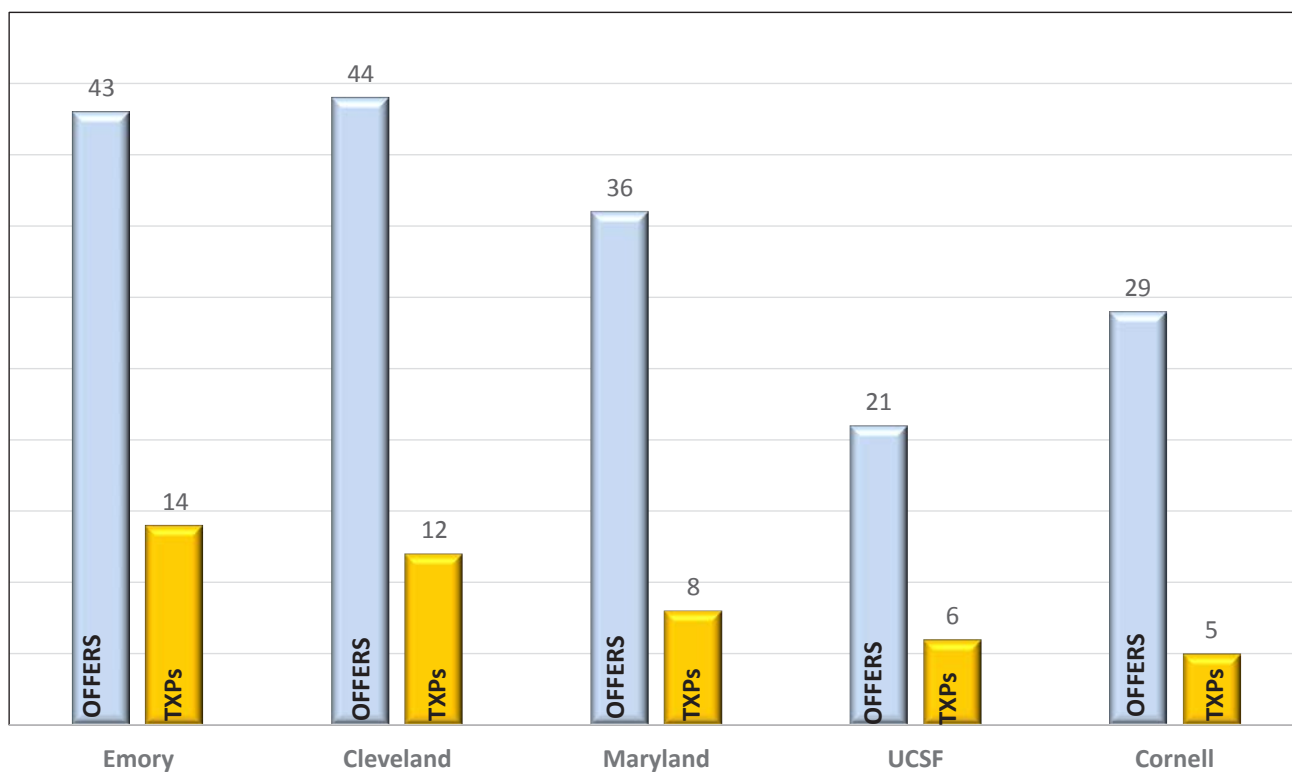
2016 KPD as Percentage of LD TXPs

Top 10 KPD Centers



Top 5 CLC Centers

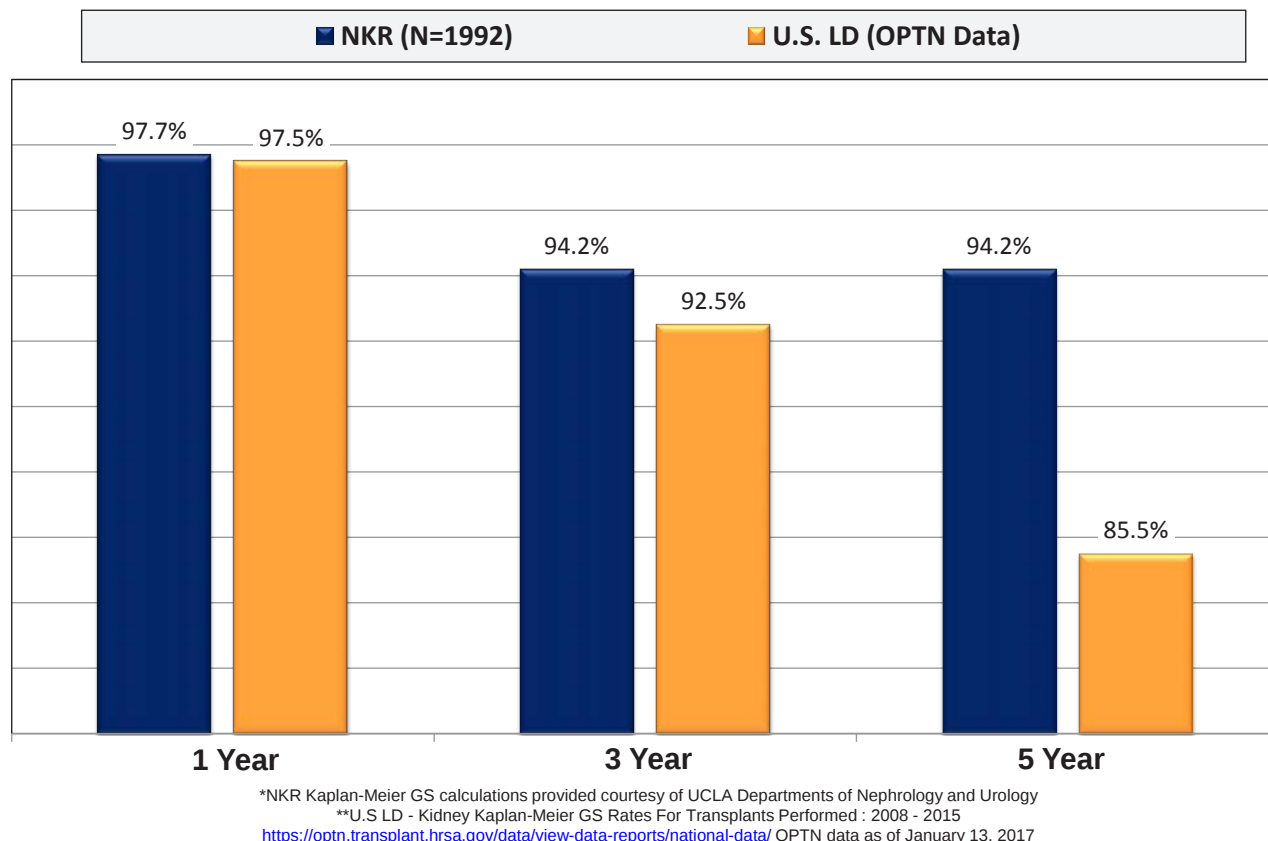
CLC Driven Match Offers – 4/1/15 – 3/31/17



NKR Graft Survival Advantage

NKR Transplants vs. U.S. Living Donor Transplants

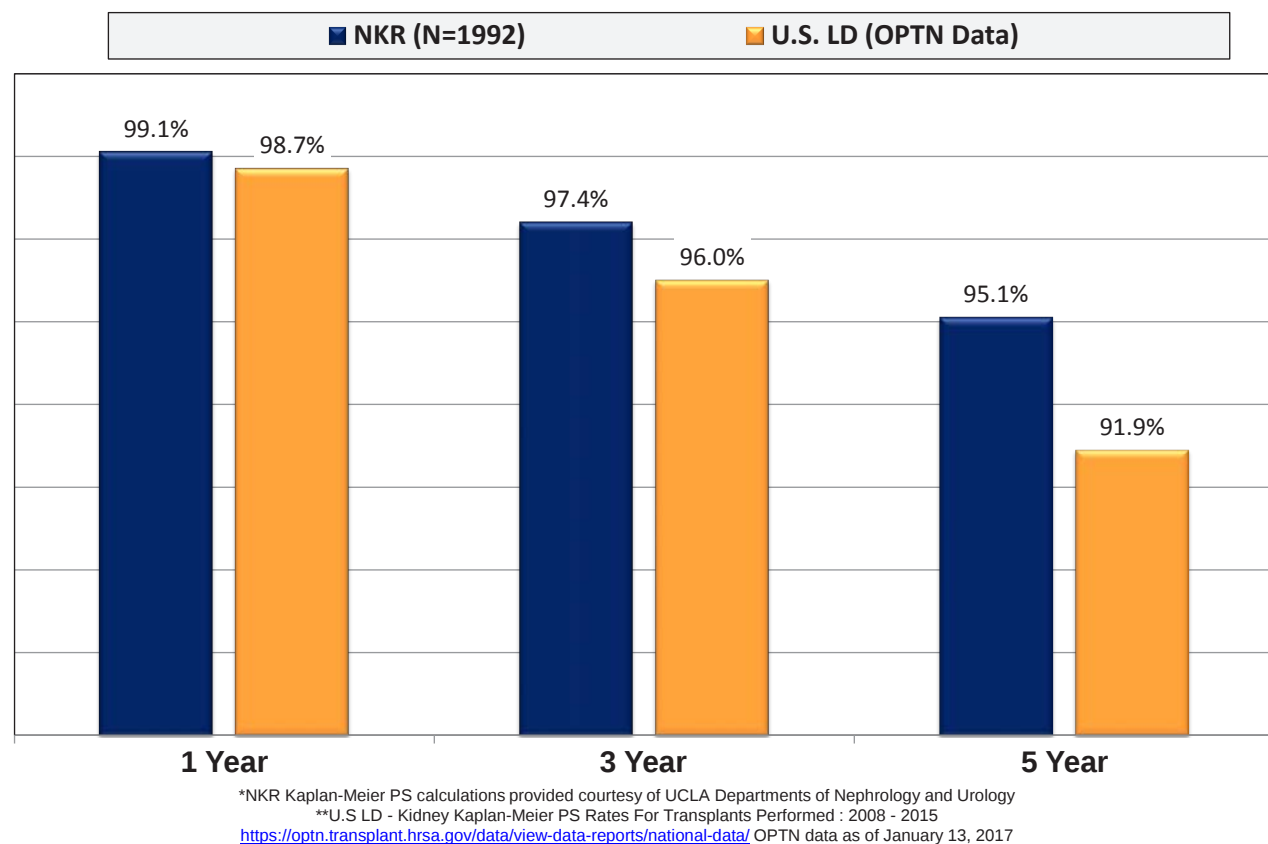
As of 12/31/2016



NKR Patient Survival Advantage

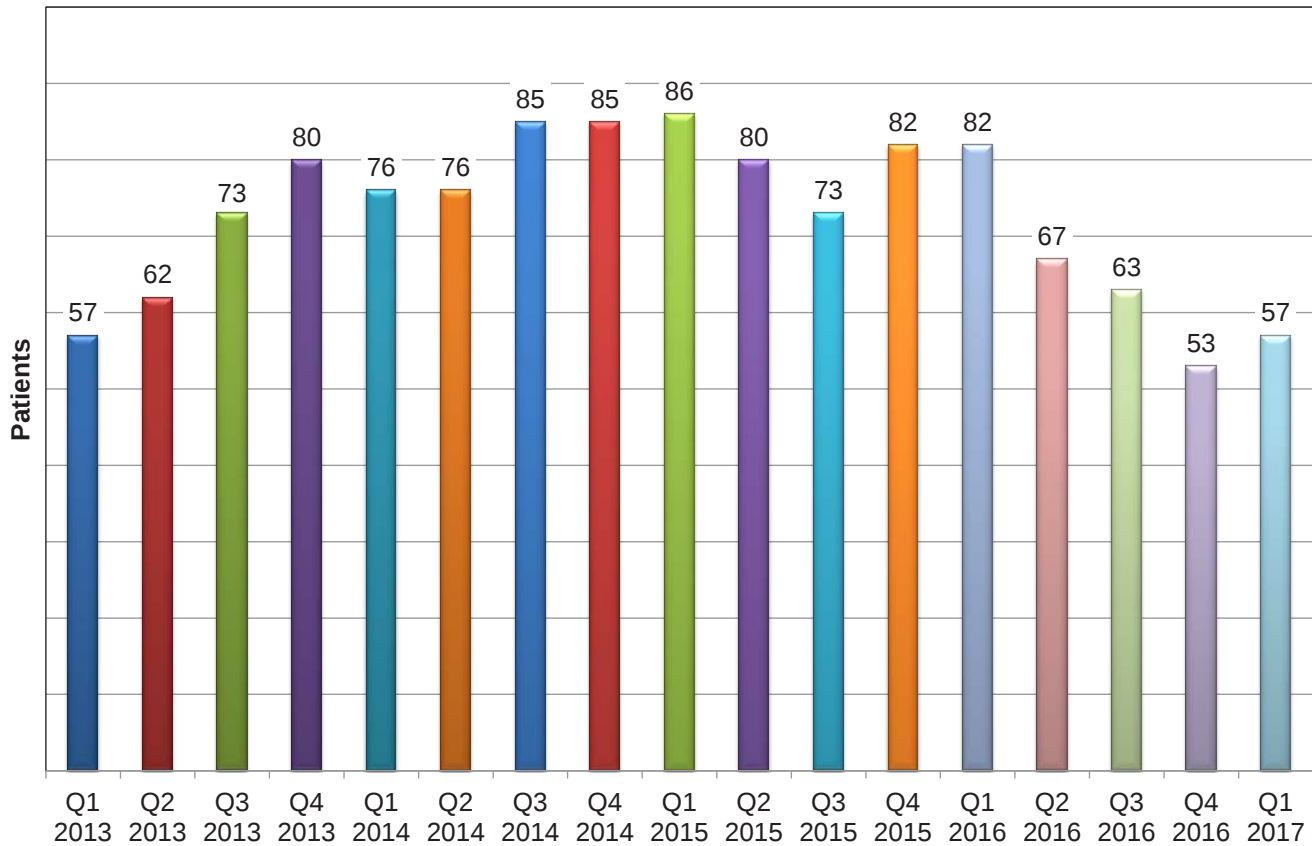
NKR Transplants vs. U.S. Living Donor Transplants

As of 12/31/2016



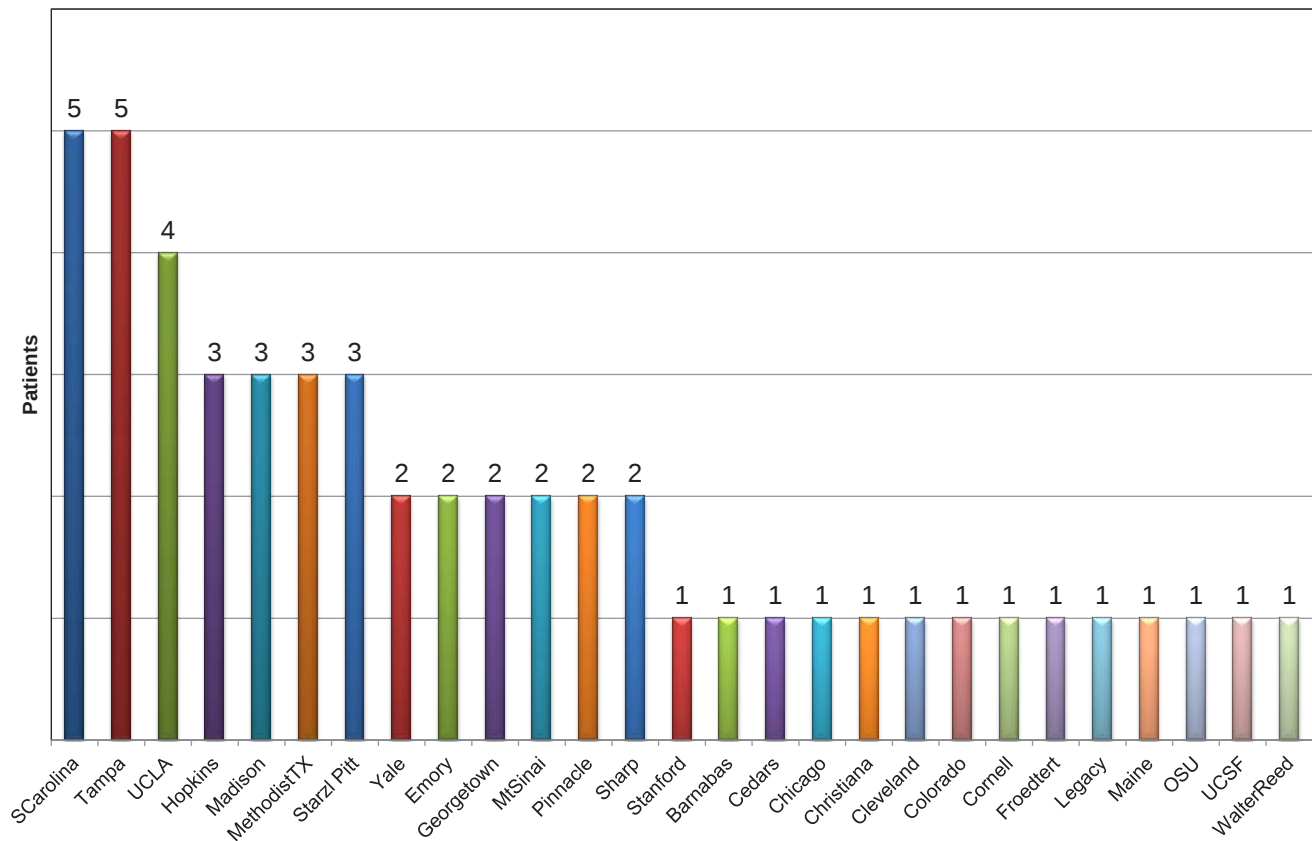
Patients Waiting > 1 Year

As of 3/31/2017



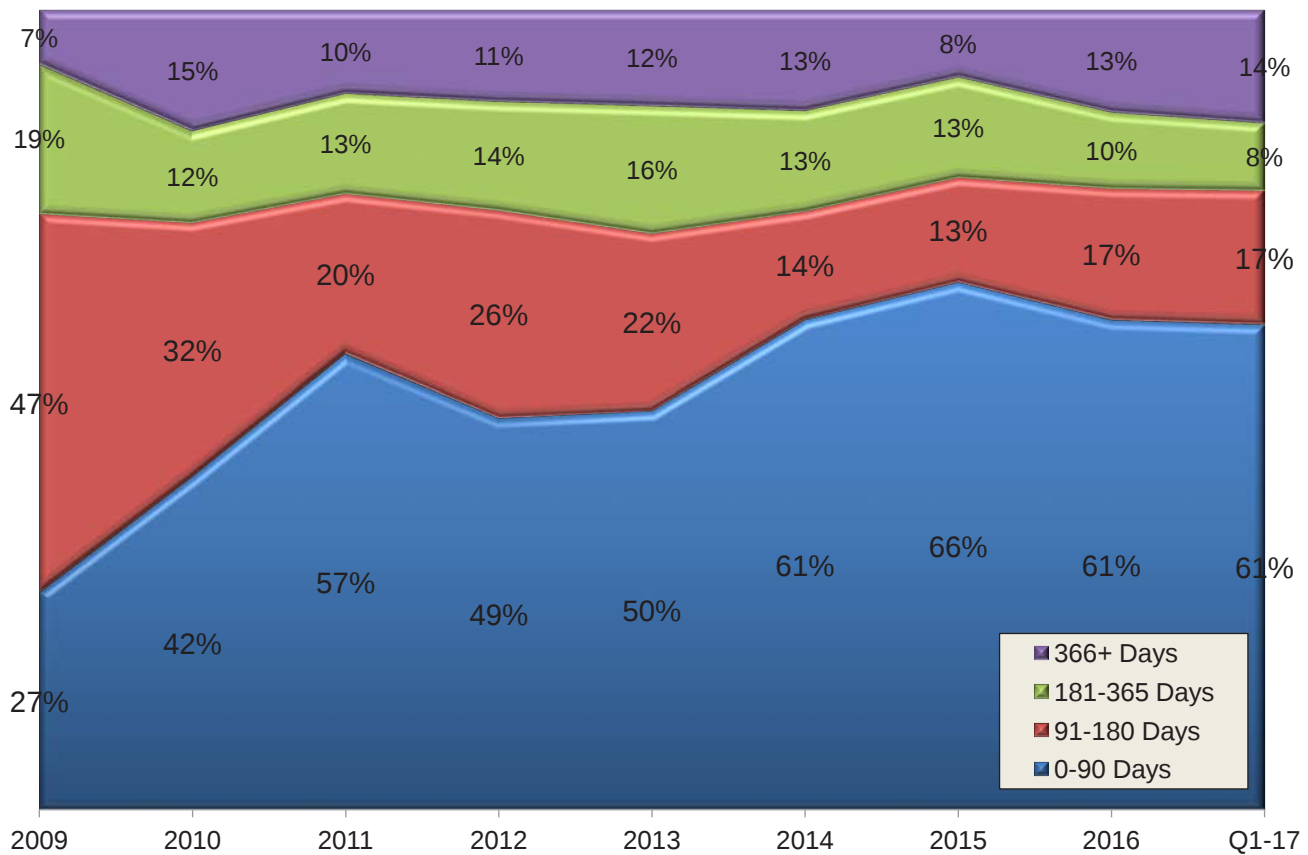
Patients Waiting > 1 Year by Center

As of 3/31/2017



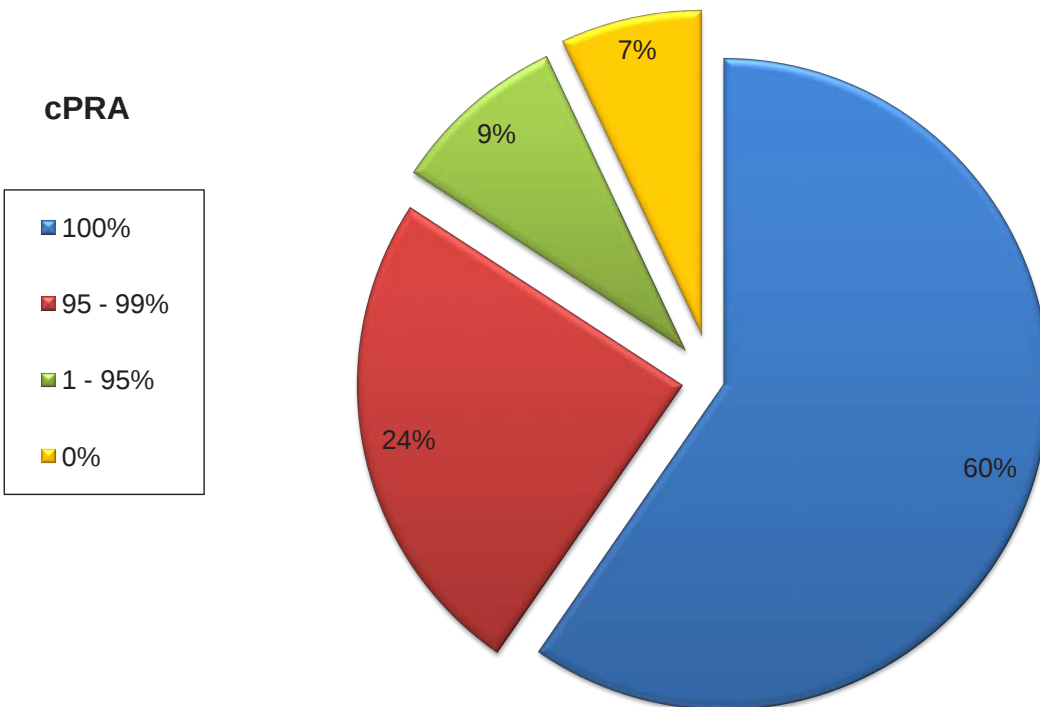
Wait Time Distribution

Transplanted Pairs



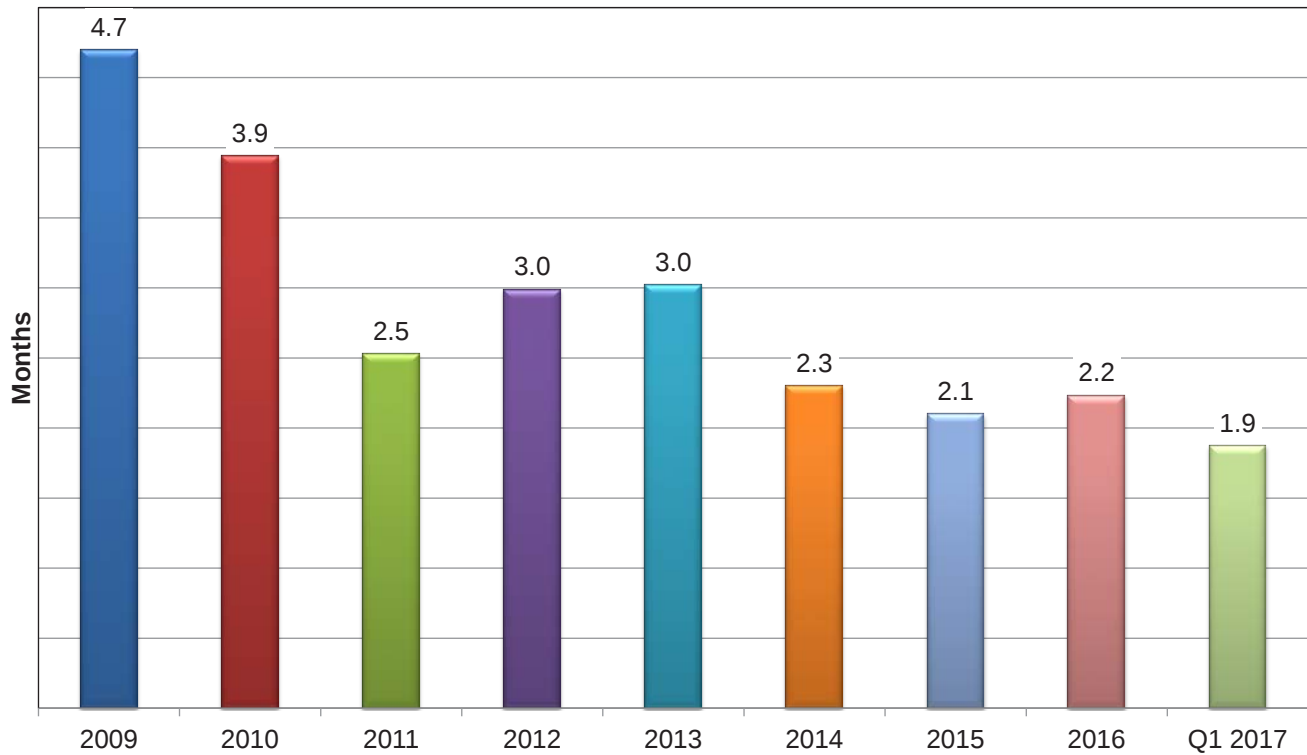
Patients Waiting > 1 Year by cPRA

As of 3/31/2017



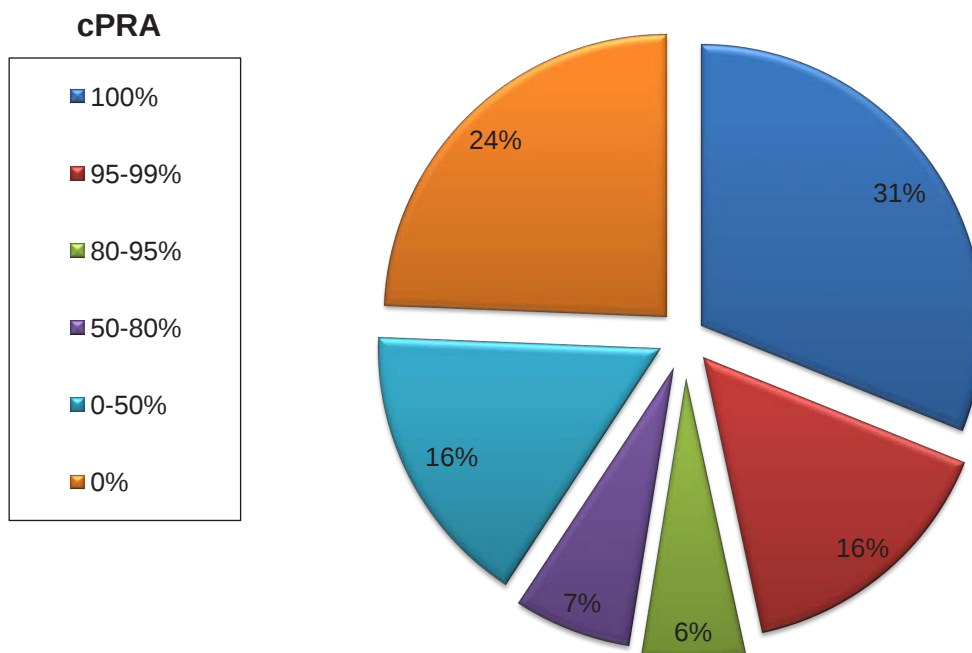
Transplanted Patient Median Wait Time

Wait times of patients transplanted during prior 12 months
As of 3/31/2017

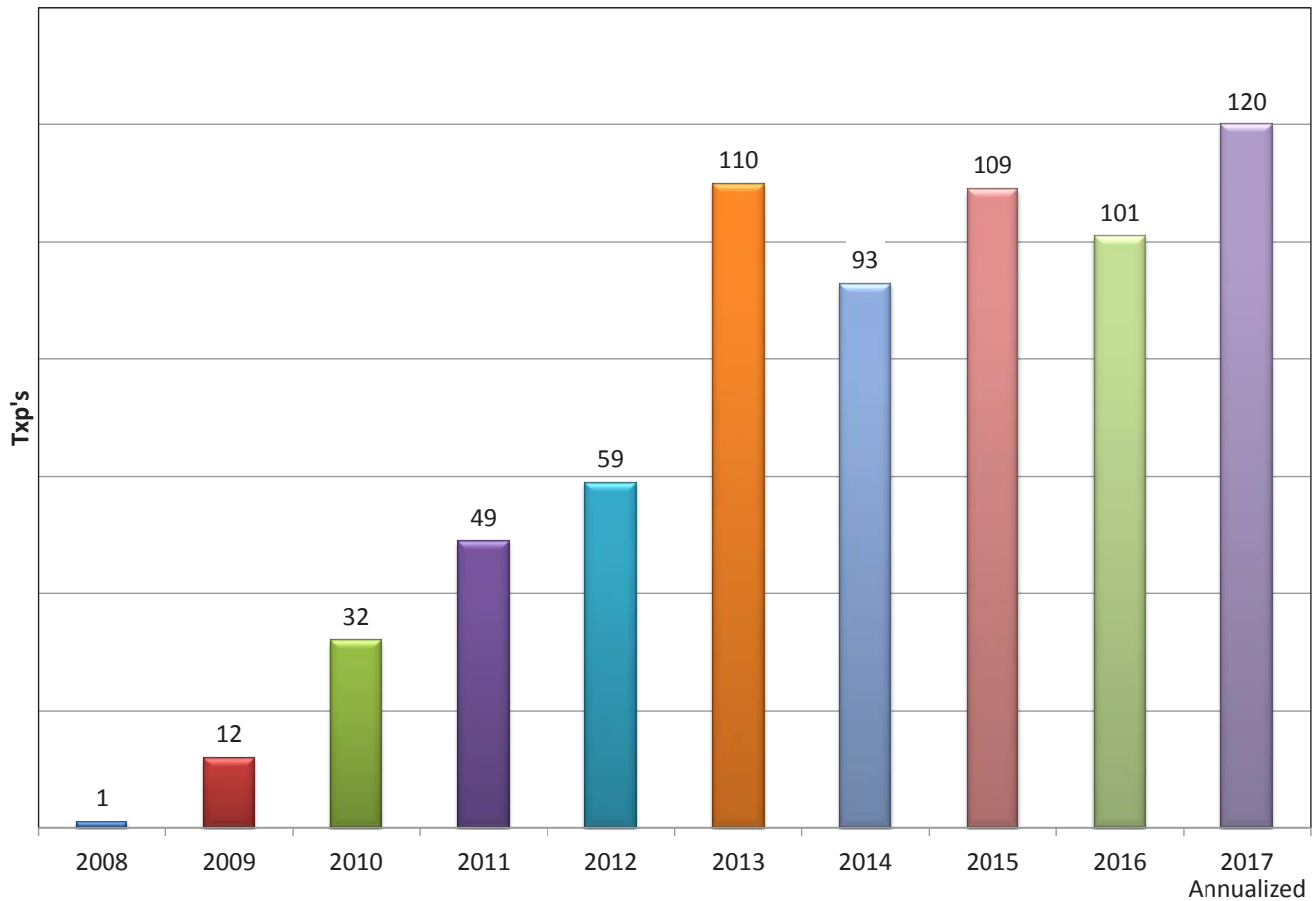


Pool Composition by cPRA

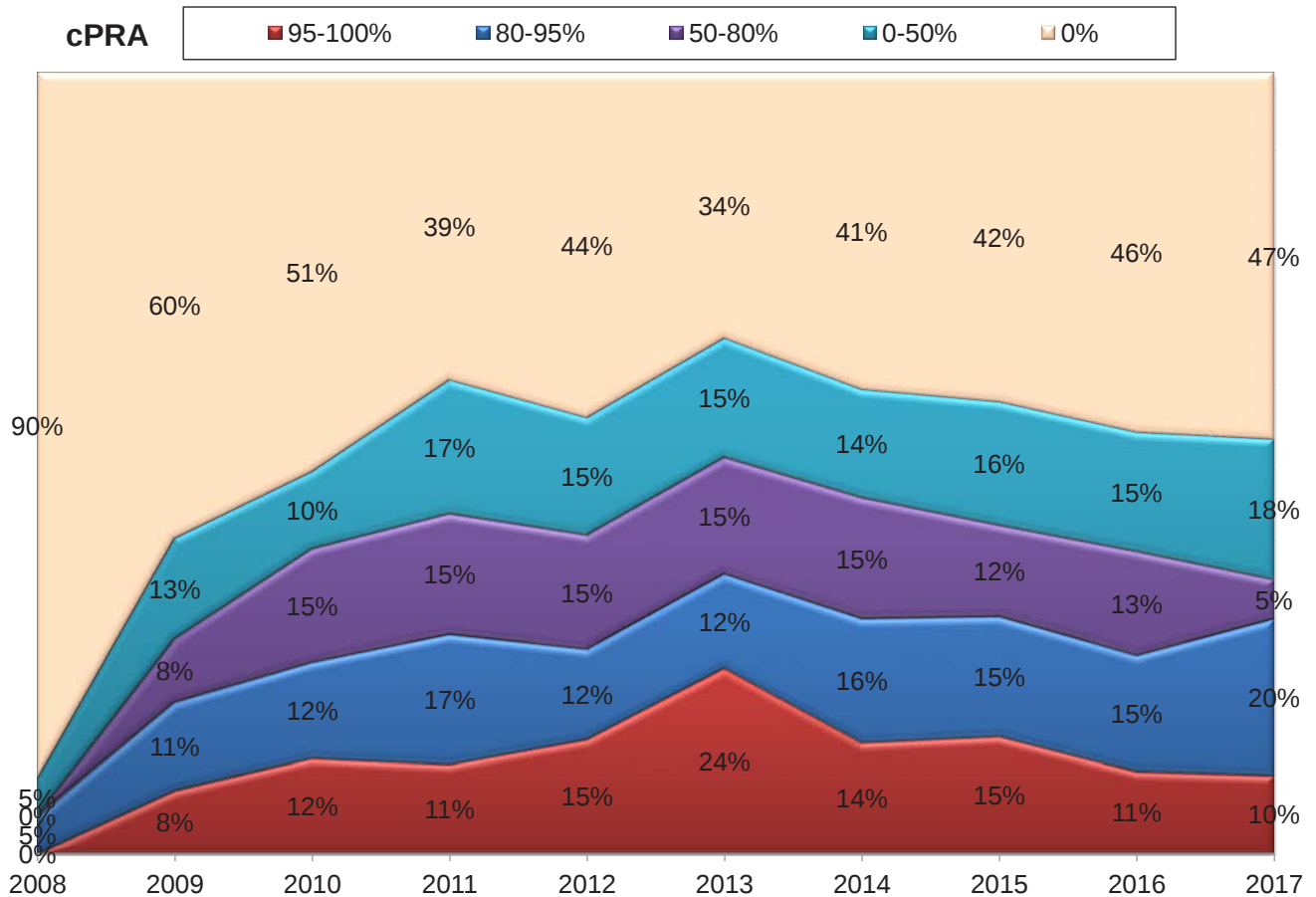
As of 3/31/2017



Transplanted Patients with cPRA > 80%

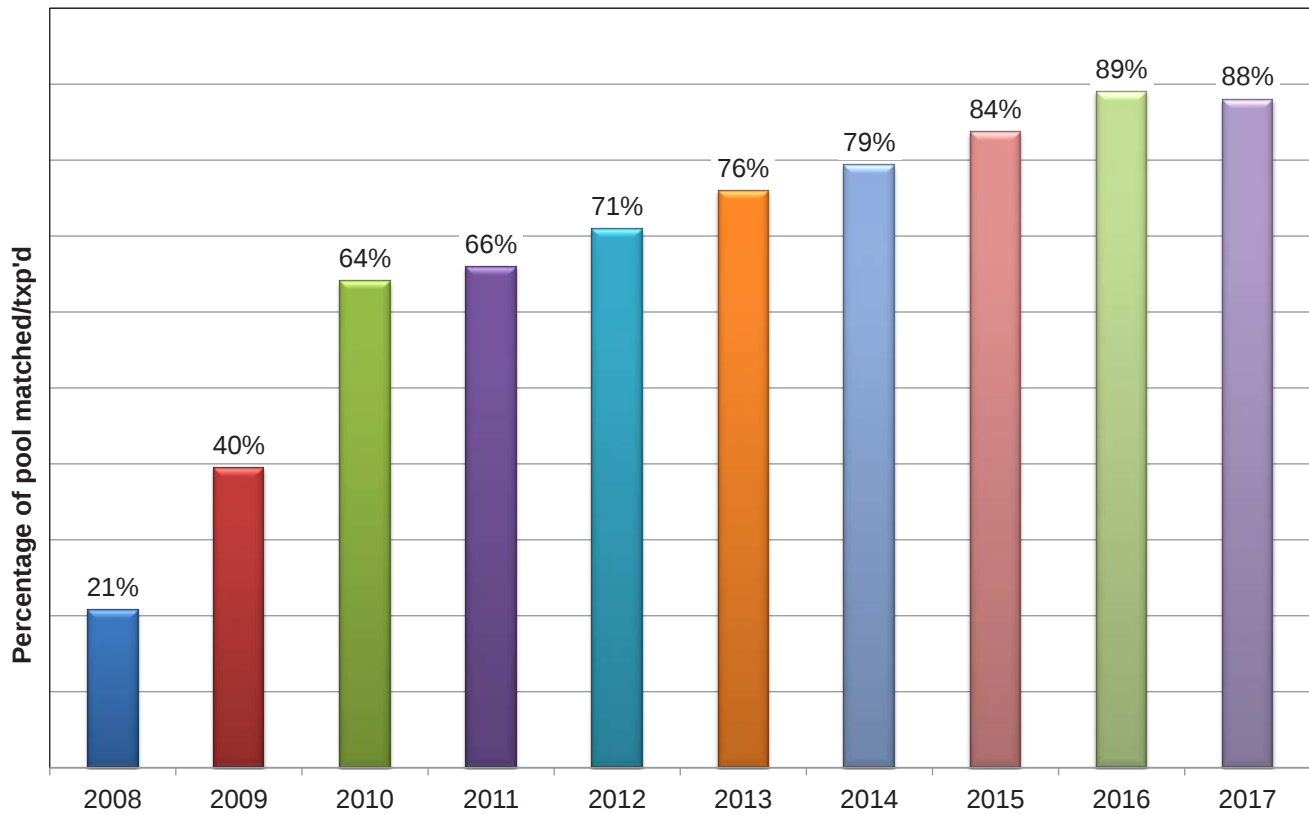


Transplanted Patients by cPRA



Percent of Pool Matched and/or Transplanted

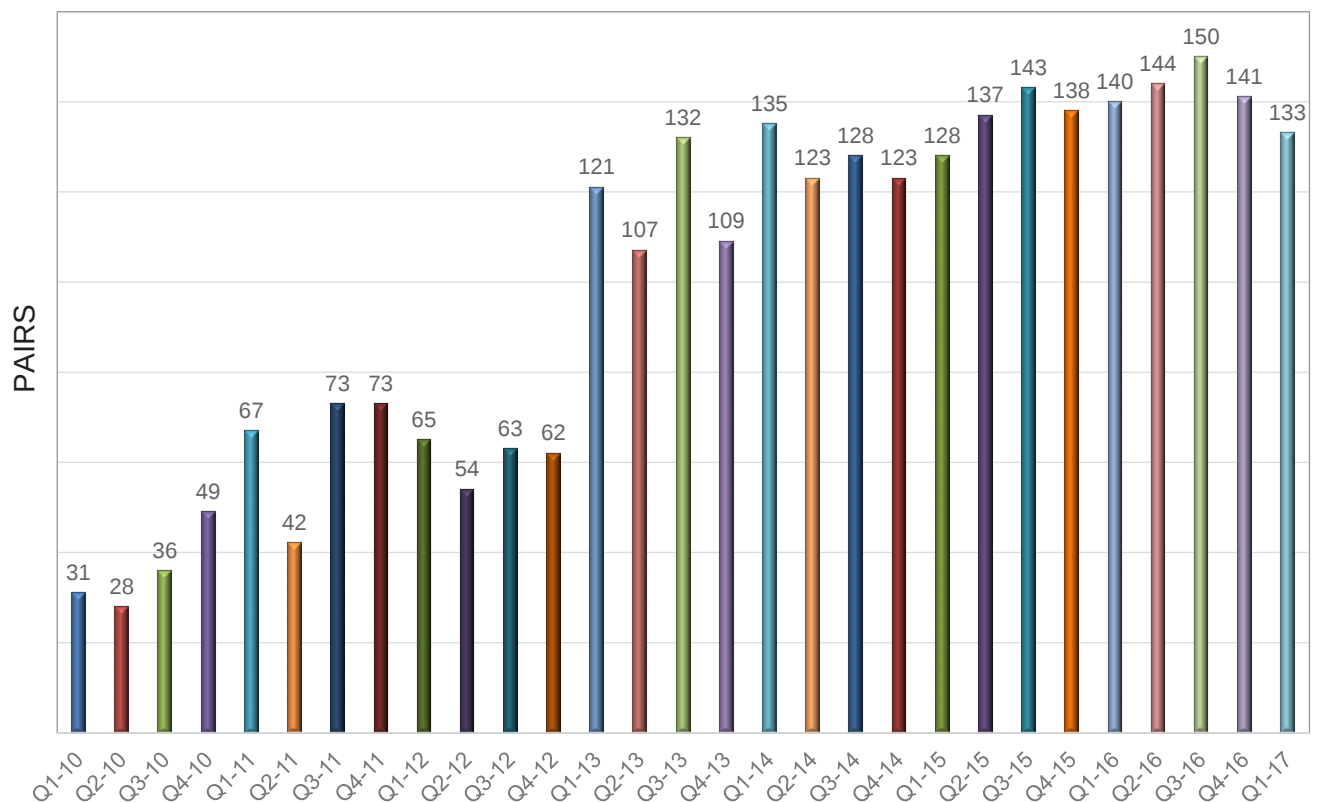
As of 3/31/2017



*2013 through 2015 adjusted based on additional historical pool variables recently added to the calculation.

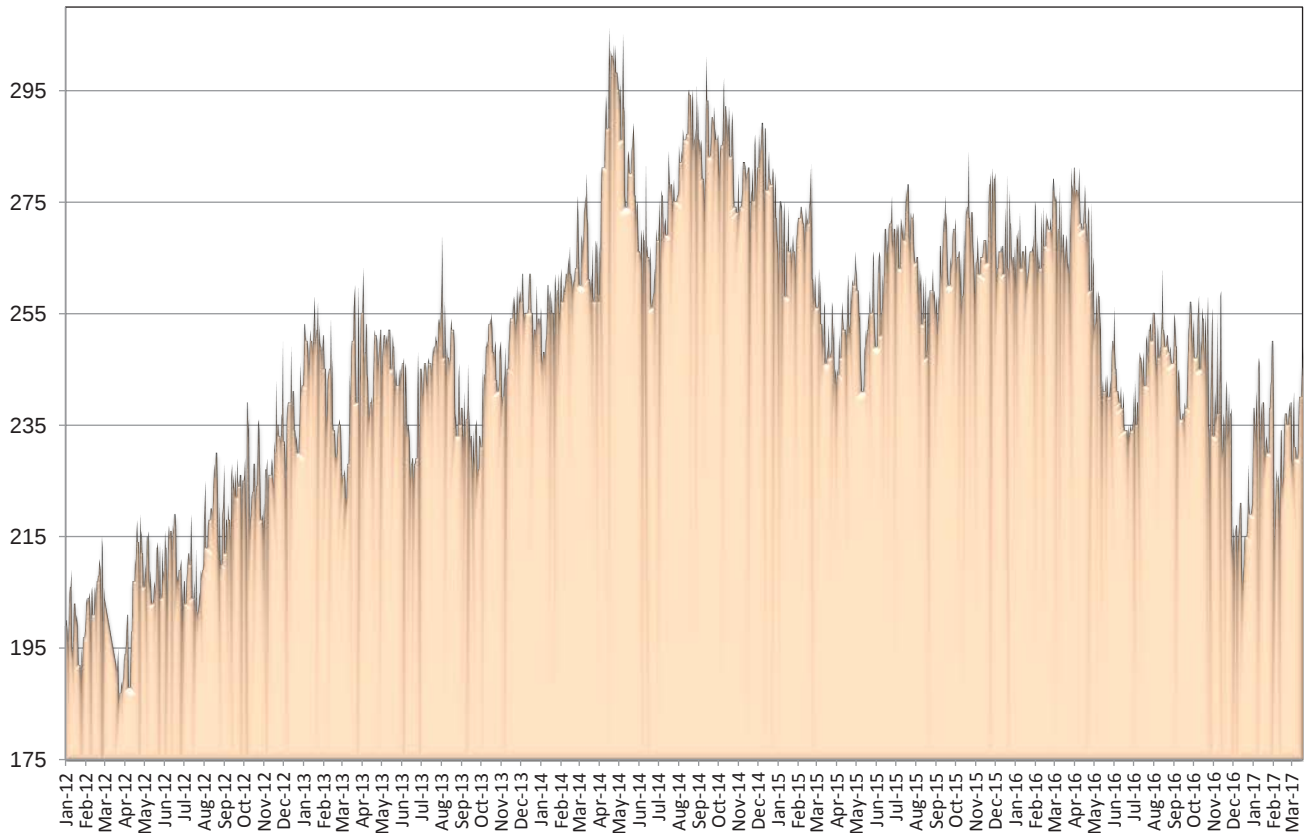
New Pair Enrollments

Patients available for match runs



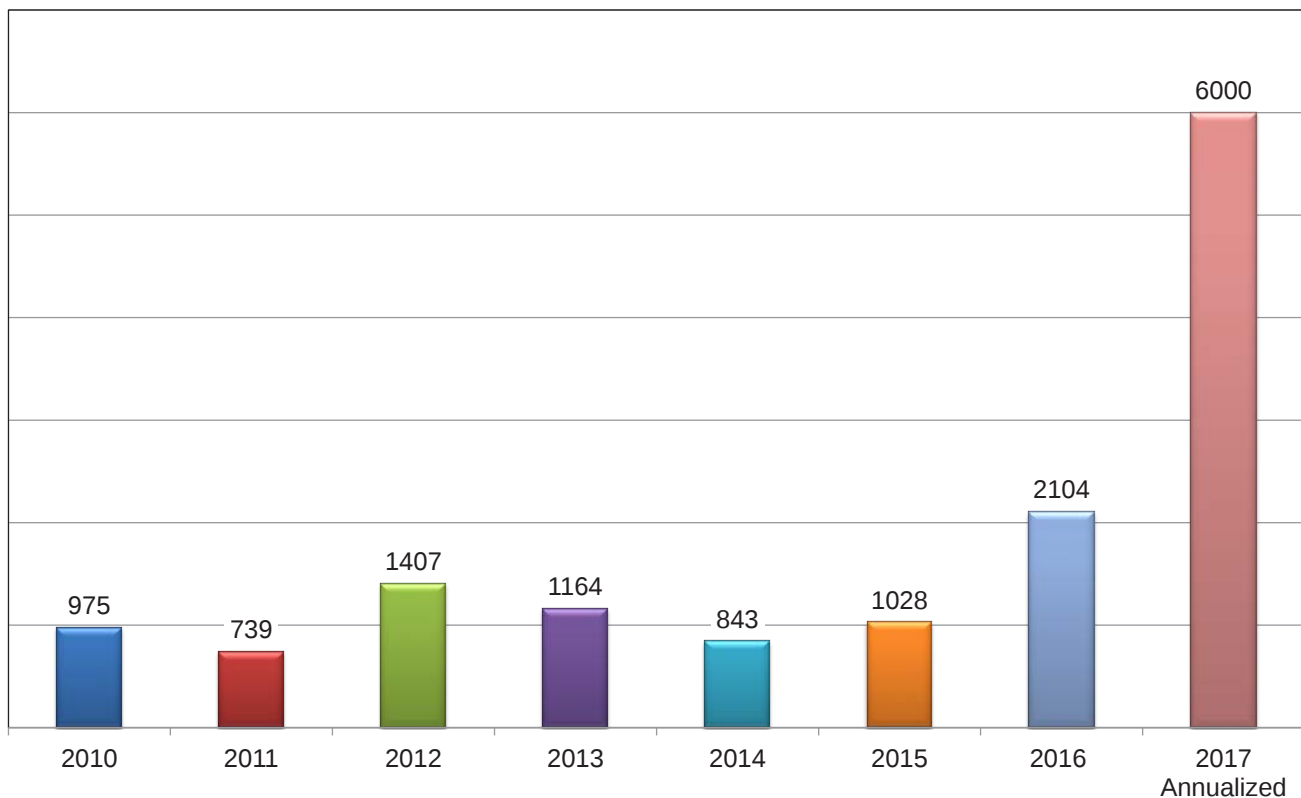
Pool Size

Unmatched patients by day
1/1/2012 – 3/31/2017



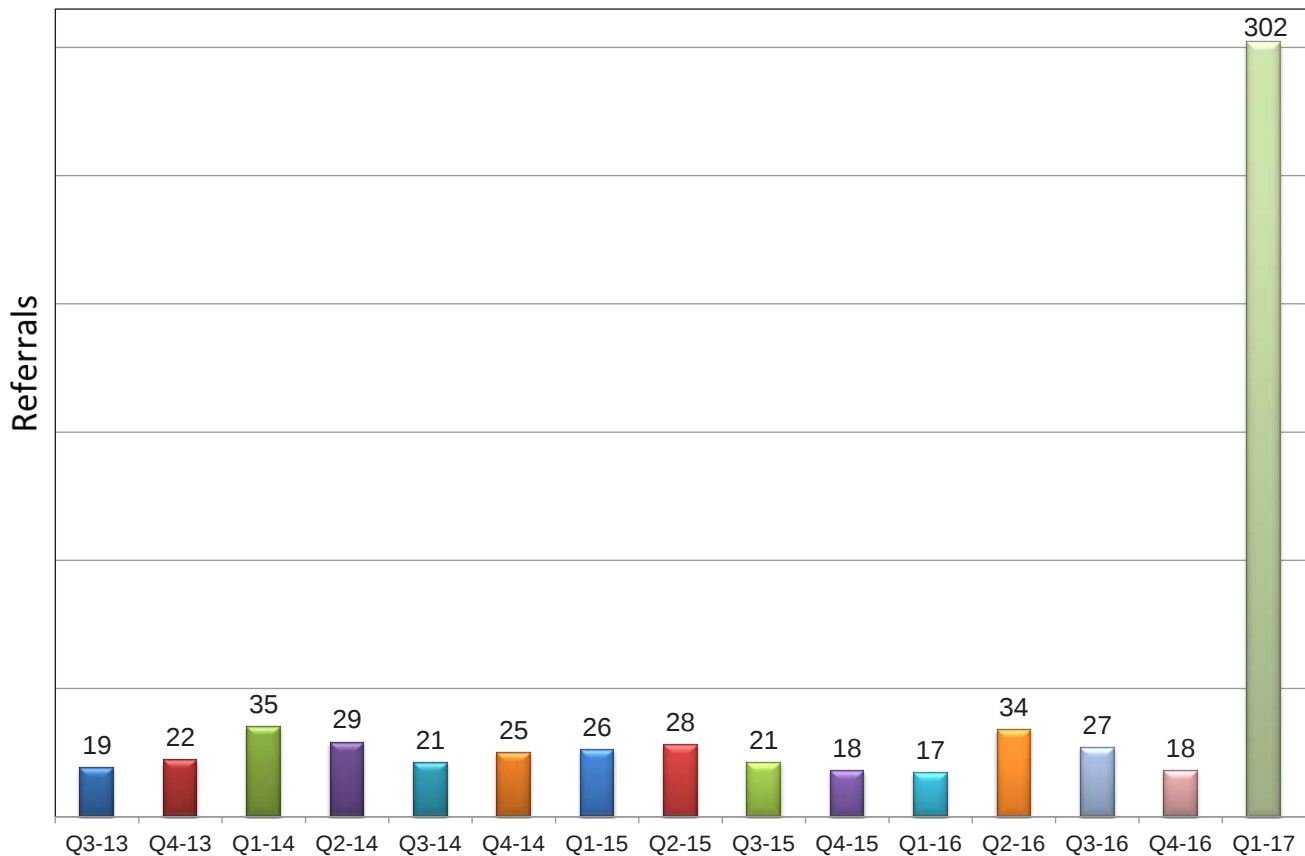
Non-Directed Donor Registrations

Via NKR Web Site



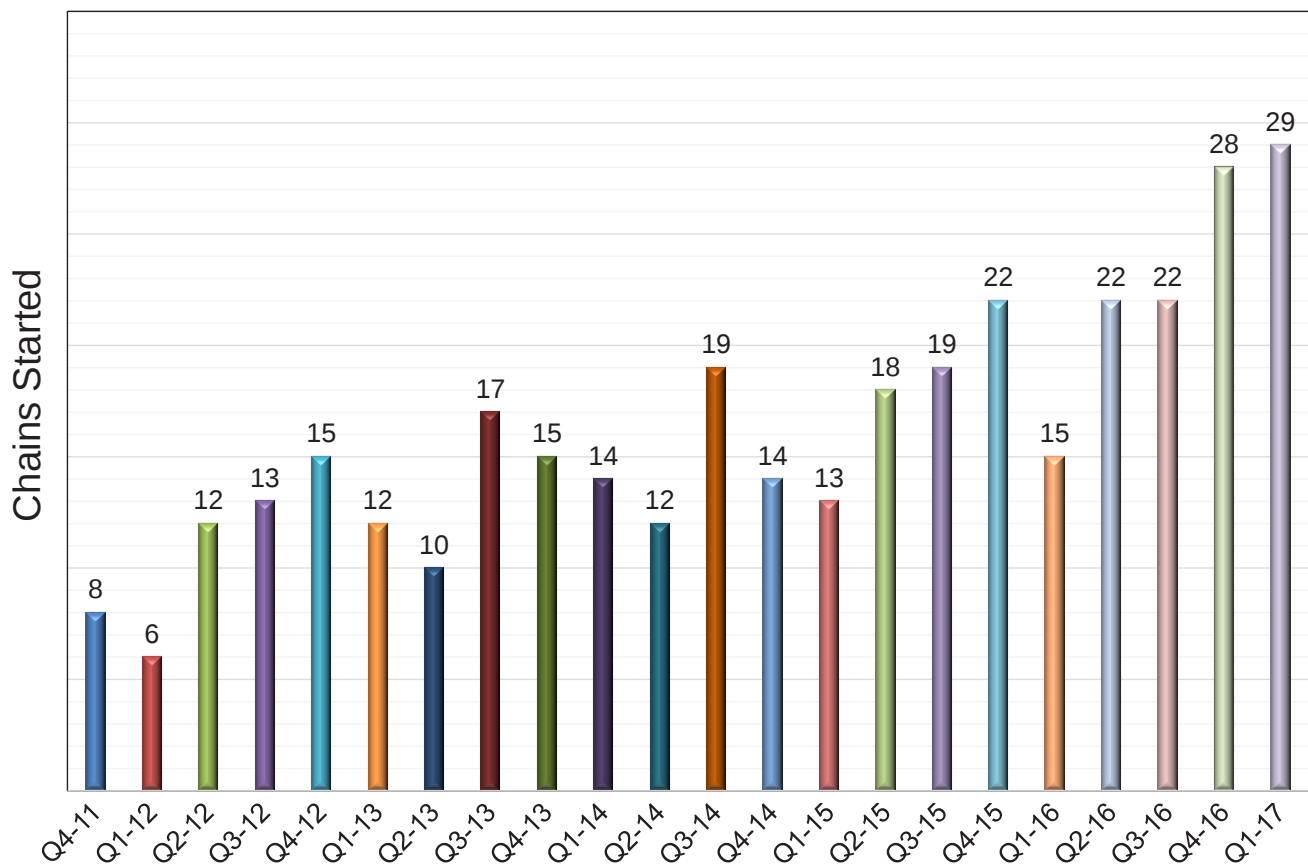
Non-Directed Donor Referrals

Referred to NKR member centers



Chains Started

Via non-directed donors



Chain and Loop Statistics

Category	Count	Mean Length	Transplants
Ended	403	4.43	1784
Broken	21	4.10	86
Active	2	6.50	13
Chain Total	426	4.42	1883
Loops	95	2.34	222
Total	521	4.04	2105

**Updates as of 4/11/17

Great HLA Matches

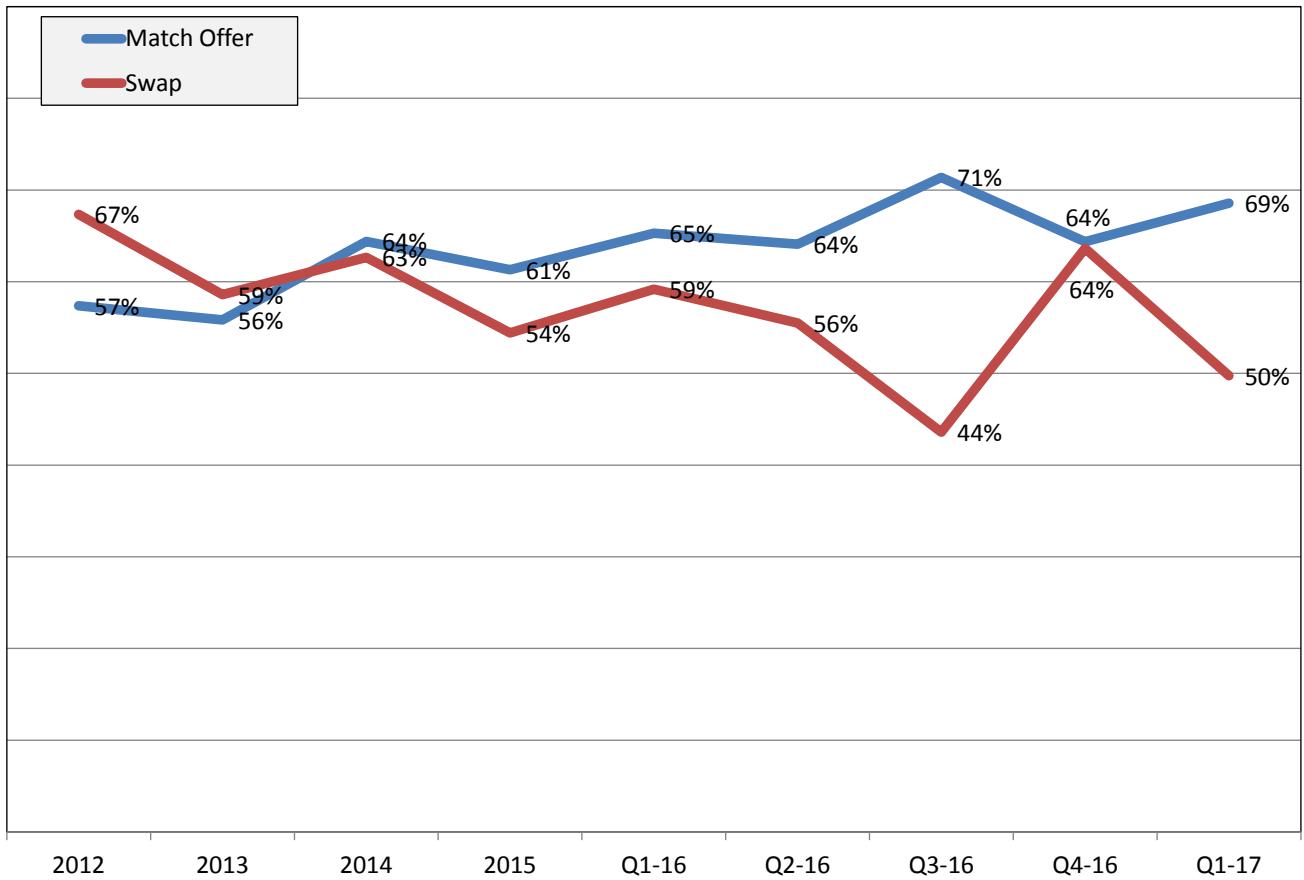
> 80 Match Points

Count	Recipient Center	Swap #	XP Date	Donor ABO	Recipient ABO	NKR cPRA	Wait Time In Months	Donor Age ATOT	Recipient Age ATOT	HLA Points
1	ChristHosp	952	1/18/2017	A	A	99	1	57	34	100
2	UMinn	928	11/8/2016	A	A	100	4	66	12	100
3	Cincinnati	884	8/31/2016	A	A	73	1	28	40	100
4	OSU	509	8/30/2016	A	A	91	1	38	67	100
5	SCarolina	459	2/11/2016	A	A	100	3	64	53	100
6	Madison	442	12/22/2015	A	A	97	6	22	63	100
7	UMinn	440	11/19/2015	O	O	100	5	23	20	100
8	UCLA	357	2/17/2015	A	A	100	34	39	52	100
9	Emory	351	12/11/2014	A	A	100	5	25	33	100
10	Hopkins	330	11/13/2014	A	O	96	1	41	38	100
11	Loyola	324	8/5/2014	A	A	100	1	37	55	100
12	Madison	674	1/9/2014	O	A	99	5	29	33	100
13	Barnabas	182	10/3/2012	A	A	92	4	51	50	100
14	Barnes	105	3/31/2011	A	A	100	7	60	32	100
15	UCSF	58	6/15/2010	A	A	100	6	47	58	100
16	UCLA	999	4/6/2017	A	A	45	1	44	5	90
17	Maryland	939	12/15/2016	AB	AB	58	0	38	53	90
18	OSU	497	7/12/2016	A	A	99	5	62	48	90
19	Pinnacle	473	4/5/2016	A	A	96	1	30	54	90
20	Cornell	447	12/9/2015	A	A	7	2	31	14	90
21	Emory	780	3/12/2015	O	O	7	6	46	21	90
22	MethodistTN	266	1/29/2014	A	A	89	2	44	66	90
23	Barnabas	266	1/16/2014	O	O	99	23	54	67	90
24	Madison	221	4/30/2013	O	O	99	17	45	52	90
25	Barnabas	187	12/4/2012	A	A	94	2	48	45	90
26	VAHD	161	6/12/2012	O	O	100	7	29	62	90
27	MethodistTX	124	12/7/2011	A	A	99	14	39	68	90
28	UCLA	124	8/31/2011	O	O	100	12	33	22	90
29	CPMC	115	6/22/2011	B	B	33	1	44	62	90
30	Starzl Pitt	109	4/21/2011	A	A	70	2	59	49	90
31	Pinnacle	901	10/20/2016	A	A	0	0	29	24	85
32	UCLA	521	7/20/2016	A	A	89	2	45	63	85
33	MethodistTX	442	1/20/2016	O	O	94	7	46	49	85
34	LomaLinda	406	8/18/2015	A	A	100	1	53	50	85
35	Barnabas	393	7/16/2015	A	A	100	1	37	64	85
36	Madison	792	6/3/2015	A	A	94	3	49	54	85
37	Madison	383	5/19/2015	O	O	98	6	44	47	85
38	MethodistTN	365	3/4/2015	B	B	100	4	53	51	85
39	Barnabas	330	11/13/2014	O	O	96	2	33	49	85
40	PorterAH	322	9/3/2014	O	O	27	5	29	24	85
41	Barnabas	304	7/17/2014	O	O	99	1	53	62	85
42	Cornell	733	7/8/2014	A	A	0	1	57	67	85
43	Barnes	266	1/16/2014	A	A	100	13	33	40	85
44	SCarolina	266	1/14/2014	O	O	89	3	55	44	85
45	UCLA	659	10/24/2013	O	O	100	25	54	56	85
46	Penn	199	12/11/2012	B	B	87	5	47	52	85
47	Madison	169	7/25/2012	B	B	97	3	30	62	85
48	UCLA	538	5/22/2012	A	O	88	7	28	12	85
49	Intermtn	118	6/29/2011	O	O	96	16	27	27	85
50	Allegheny	62	5/6/2010	A	A	0	5	60	70	85
51	Legacy	981	3/22/2017	O	O	74	1	43	45	80
52	Barnabas	894	1/10/2017	O	B	100	5	40	51	80
53	Madison	332	11/4/2014	O	O	96	20	63	42	80
54	UCLA	258	10/3/2013	A	A	98	1	47	36	80
55	CPMC	19	7/31/2009	A	A	0	5	51	54	80

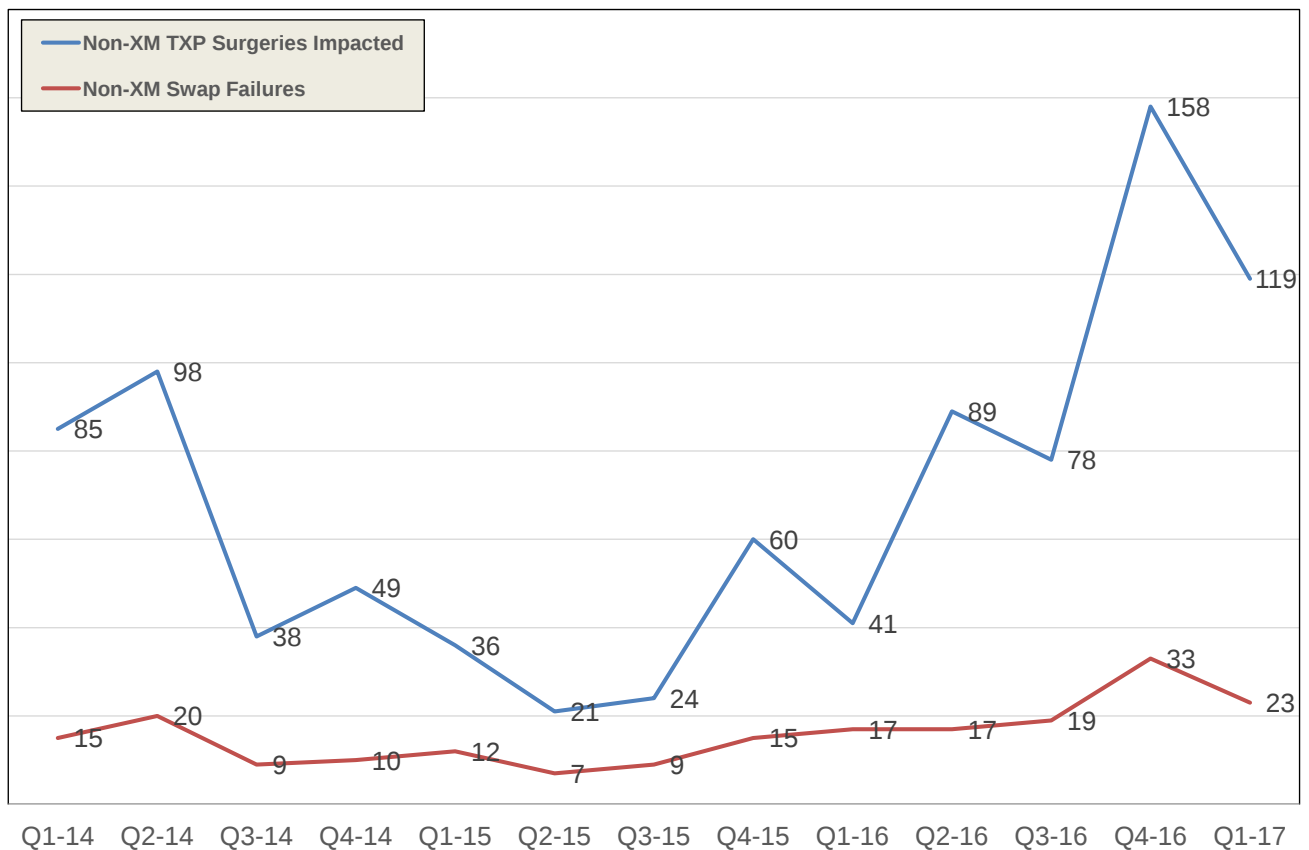
Compatible Pairs Transplanted

#	Recipient Center	Txp Date	Recipient ABO	Paired Donor ABO	Donor ABO	Recipient Age	Paired Donor Age	Donor Age	Age Advantage	Donor HLA Pts	Paired Donor HLA Pts	HLA Points Advantage	Paired Donor Relationship	Additional Txp's	Additional Txp's cPRA >80
1	Hopkins	4/6/2017	O	O	O	45	69	42	27	0	75	-75	Mother	2	1
2	UCLA	4/6/2017	A	O	A	5	25	44	-19	90	50	40	Mother	2	1
3	MethodistTN	4/5/2017	O	O	O	13	35	36	-1	10	50	-40	Father	2	0
4	Pinnacle	3/29/2017	A	O	A	60	45	58	-13	50	35	15	Other	0	0
5	Emory	3/29/2017	B	B	B	45	50	37	13	25	50	-25	Brother	3	1
6	MayoMN	3/21/2017	O	O	O	54	61	58	3	15	10	5	Friend	3	1
7	ASL	1/12/2017	A	A	A	56	51	63	-12	0	65	-65	Brother	2	1
8	PorterAH	1/10/2017	A	O	A	35	34	41	-7	25	10	15	Sister	6	1
9	UCSF	1/10/2017	A	O	A	29	25	31	-6	50	15	35	Spouse	0	0
10	Hopkins	12/22/2016	O	O	O	25	57	39	18	15	50	-35	Father	1	0
11	VAHD	12/20/2016	A	O	A	56	48	37	11	25	10	15	Friend	1	0
12	Maryland	12/15/2016	AB	O	AB	53	42	38	4	90	35	55	Friend	0	0
13	UCLA	12/13/2016	A	O	A	42	46	33	13	35	25	10	Spouse	3	0
14	UMinn	12/13/2016	O	O	O	53	48	54	-6	0	0	0	Friend	3	1
15	UCSF	12/12/2016	A	O	A	33	34	38	-4	0	25	-25	Spouse	1	0
16	Georgetown	12/7/2016	A	O	A	51	52	45	7	0	0	0	Spouse	1	0
17	WalterReed	12/1/2016	O	O	O	68	26	36	-10	0	25	-25	Father	3	1
18	Cleveland	12/1/2016	A	O	A	29	42	41	1	40	0	40	Spouse	0	0
19	Madison	11/2/2016	B	O	B	24	60	45	15	35	65	-30	Child	1	0
20	Pinnacle	11/2/2016	O	O	O	26	41	32	9	35	35	0	Aunt	2	1
21	VAHD	10/25/2016	O	O	O	70	59	24	35	50	10	40	Other	3	1
22	Pinnacle	10/20/2016	A	A	A	24	48	29	19	85	0	85	Cousin	1	0
23	Hopkins	10/17/2016	O	O	O	56	66	57	9	0	0	0	Spouse	3	1
24	Indiana	10/11/2016	O	O	A	31	66	50	16	0	0	0	Father	1	0
25	Hopkins	10/4/2016	AB	A	AB	32	65	25	40	45	50	-5	Father	2	0
26	Penn	7/21/2016	O	O	O	33	58	35	23	25	35	-10	Other	4	3
27	UCLA	7/21/2016	B	O	B	47	67	36	31	40	50	-10	mother	2	0
28	Cornell	7/19/2016	A	O	A	50	39	25	14	40	0	40	Friend	2	0
29	Indiana	7/14/2016	A	O	A	59	60	57	3	35	10	25	Spouse	0	0
30	Maryland	7/14/2016	A	O	A	49	26	40	-14	35	0	35	Friend	1	0
31	Colorado	7/12/2016	AB	O	A	51	33	30	3	25	50	-25	Cousin	0	0
32	UVA	7/7/2016	A	A	A	34	65	39	26	0	50	-50	Father	4	0
33	Emory	6/17/2016	A	O	A	30	62	47	15	25	75	-50	Mother	1	0
34	Colorado	5/11/2016	O	O	O	64	50	45	5	25	25	0	Spouse	3	0
35	Madison	4/20/2016	A	O	A	58	46	45	1	35	25	10	Spouse	0	0
36	Emory	4/20/2016	B	O	B	23	70	46	24	0	65	-65	Other	3	0
37	Cornell	4/13/2016	AB	O	A	52	51	30	21	35	0	35	Friend	1	0
38	Rush	4/12/2016	A	A	A	42	46	36	10	35	35	0	Spouse	0	0
39	Cornell	12/9/2015	A	A	A	14	55	31	24	90	15	75	Father	2	0
40	GARegents	12/1/2015	A	O	A	51	63	47	16	35	0	35	Friend	5	1
41	MassGen	12/1/2015	O	O	O	22	50	32	18	0	0	0	Friend	1	0
42	Maryland	11/11/2015	A	O	A	65	60	51	9	60	25	35	Spouse	2	0
43	Maine	10/21/2015	A	A	A	34	21	30	-9	10	10	0	Met on Facebook	2	0
44	Barnabas	10/14/2015	B	O	B	36	48	40	8	0	0	0	Aunt	2	1
45	Barnabas	9/24/2015	AB	O	A	58	54	22	32	25	35	-10	Spouse	2	0
46	Penn	6/25/2015	A	O	A	28	56	19	37	65	50	15	Mother	2	0
47	Penn	6/9/2015	B	O	B	41	43	44	-1	10	0	10	Spouse	2	0
48	Indiana	5/28/2015	A	A	A	32	57	48	9	25	65	-40	Mother	1	0
49	Stanford	5/21/2015	A	A	A	61	61	25	36	25	25	0	Spouse	2	0
50	Emory	5/13/2015	A	O	A	12	50	28	22	0	50	-50	Father	2	0
51	Georgetown	4/28/2015	O	O	O	41	43	30	13	0	0	0	Spouse	2	2
52	Loyola	11/11/2014	A	O	A	42	43	48	-5	25	25	0	Spouse	2	1
53	Emory	9/30/2014	A	A	A	18	52	37	15	50	65	-15	Father	2	0
54	MassGen	8/28/2014	A	O	A	69	51	33	18	60	0	60	niece through marriage	1	0
55	UCSF	8/26/2014	O	O	O	28	57	22	35	10	85	-75	Father	5	1
56	Barnabas	6/11/2014	B	O	B	69	57	41	16	10	40	-30	Significant Other	3	0
57	Madison	4/28/2014	O	O	O	62	57	39	18	45	10	35	Friend	6	2
58	Stanford	4/23/2014	O	O	O	29	66	24	42	25	50	-25	Father	0	0
59	Cornell	4/23/2014	O	O	O	3	24	43	-19	0	0	0	Cousin	3	0
60	Dartmouth	4/9/2014	O	O	O	45	37	43	-6	35	50	-15	Friend	2	1
61	UCLA	1/29/2014	A	A	A	7	34	37	-3	60	50	10	Mother	3	0
62	Maine	1/28/2014	A	O	A	43	40	53	-13	75	10	65	Spouse	4	0
63	Cleveland	12/18/2013	O	O	O	43	41	55	-14	25	0	25	internet friend	4	2
64	Cornell	11/20/2013	O	O	O	34	37	59	-22	75	25	50	Spouse	3	1
65	Hopkins	10/3/2013	A	O	A	19	65	38	27	25	50	-25	Other	2	0
Totals														134	26

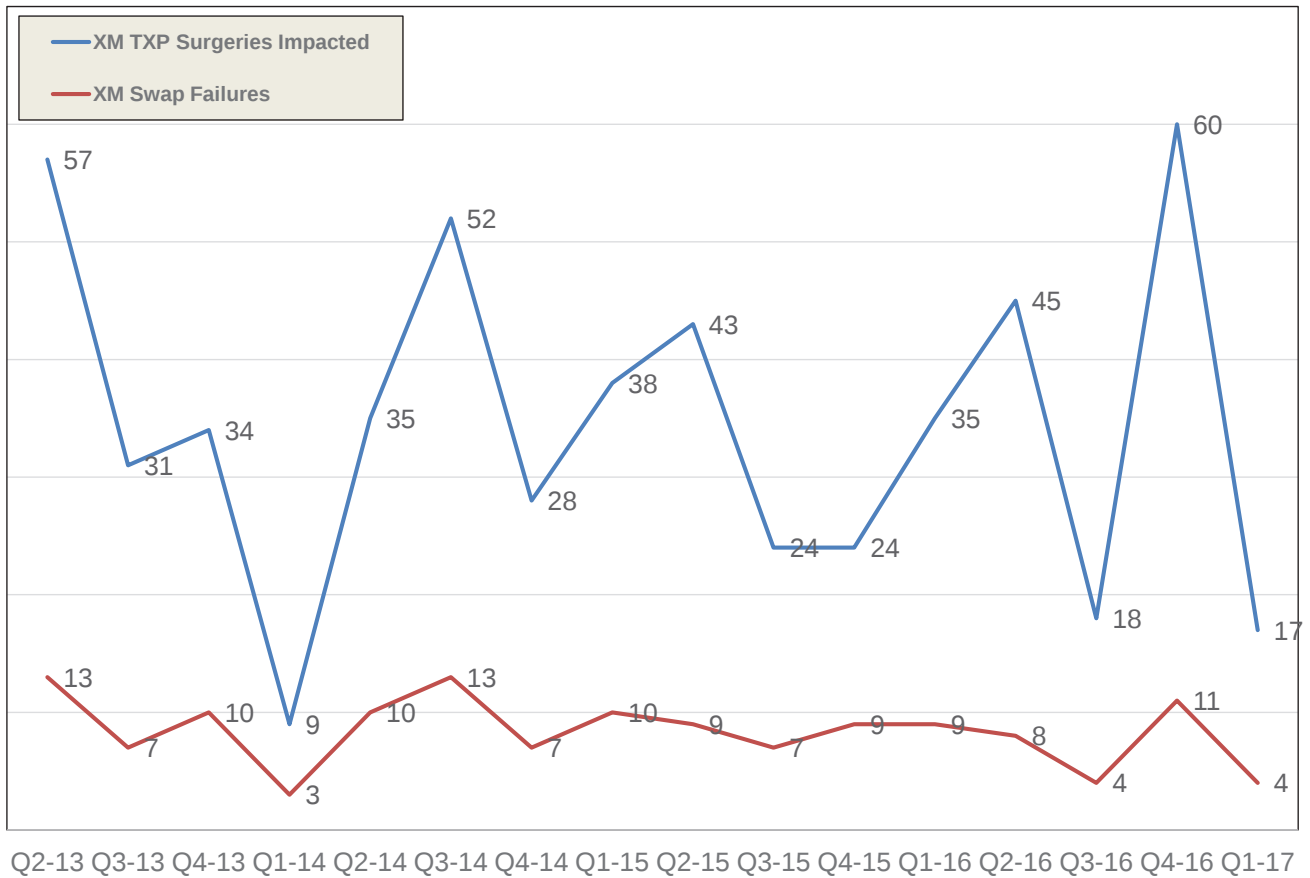
Failure Rates



Non XM Swap Failures & TXP Surgeries Impacted

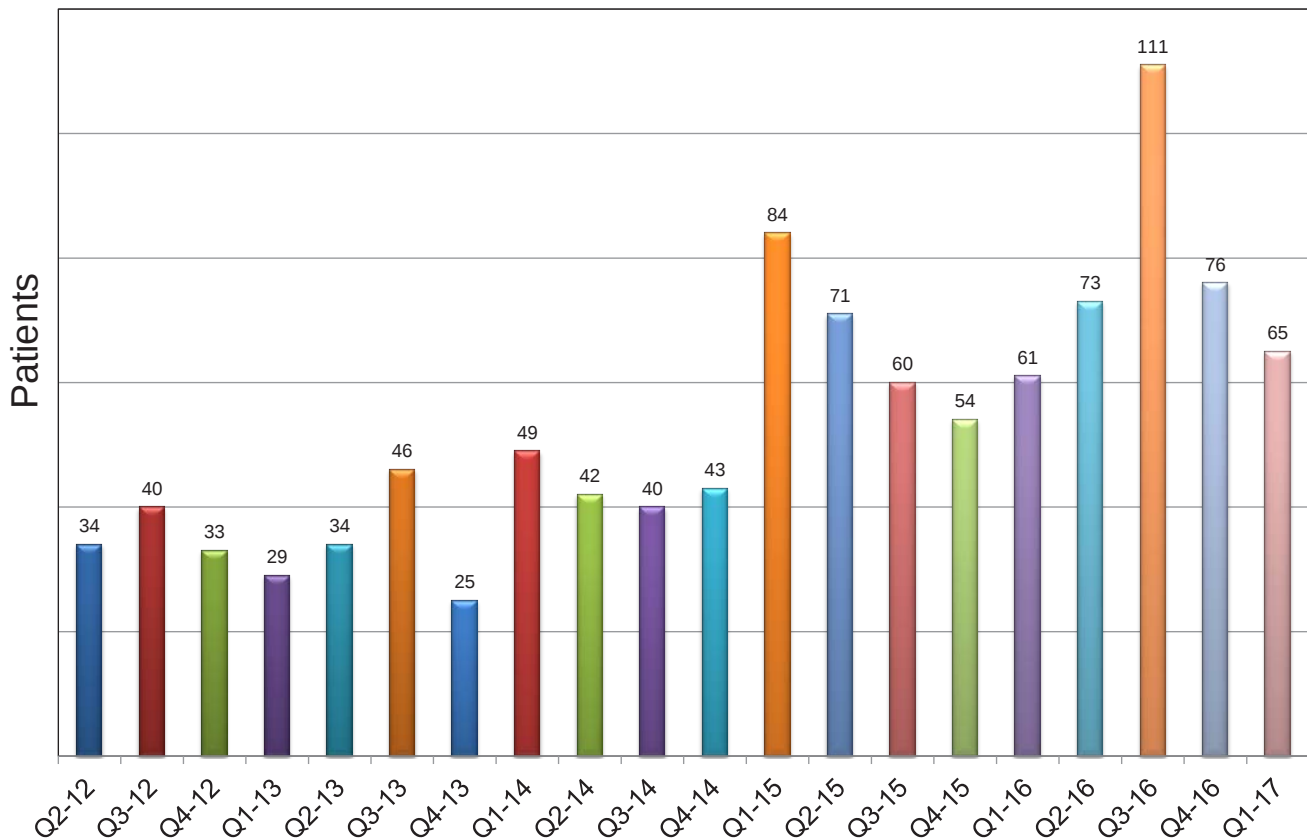


XM Swap Failures & TXP Surgeries Impacted



Patients Deleted

As of 3/31/2017



NKR Wait Times

Matching Ease	ABO Combination	PMPc
1-Very Easy	Any	> 125
2-Easy	Favorable	31 to 125
3-Hard	Favorable	1 to 30
4-Very Hard	Unfavorable	31 to 125
5-Ext Hard	Unfavorable	1 to 30
6-No Match	Any	0

ABO Combination: Patients with a non-O blood type are favorable. Patients with an O blood type who are paired to at least 1 exportable donor with an O blood type are favorable. All others are unfavorable and CHIP patients are excluded from this population.

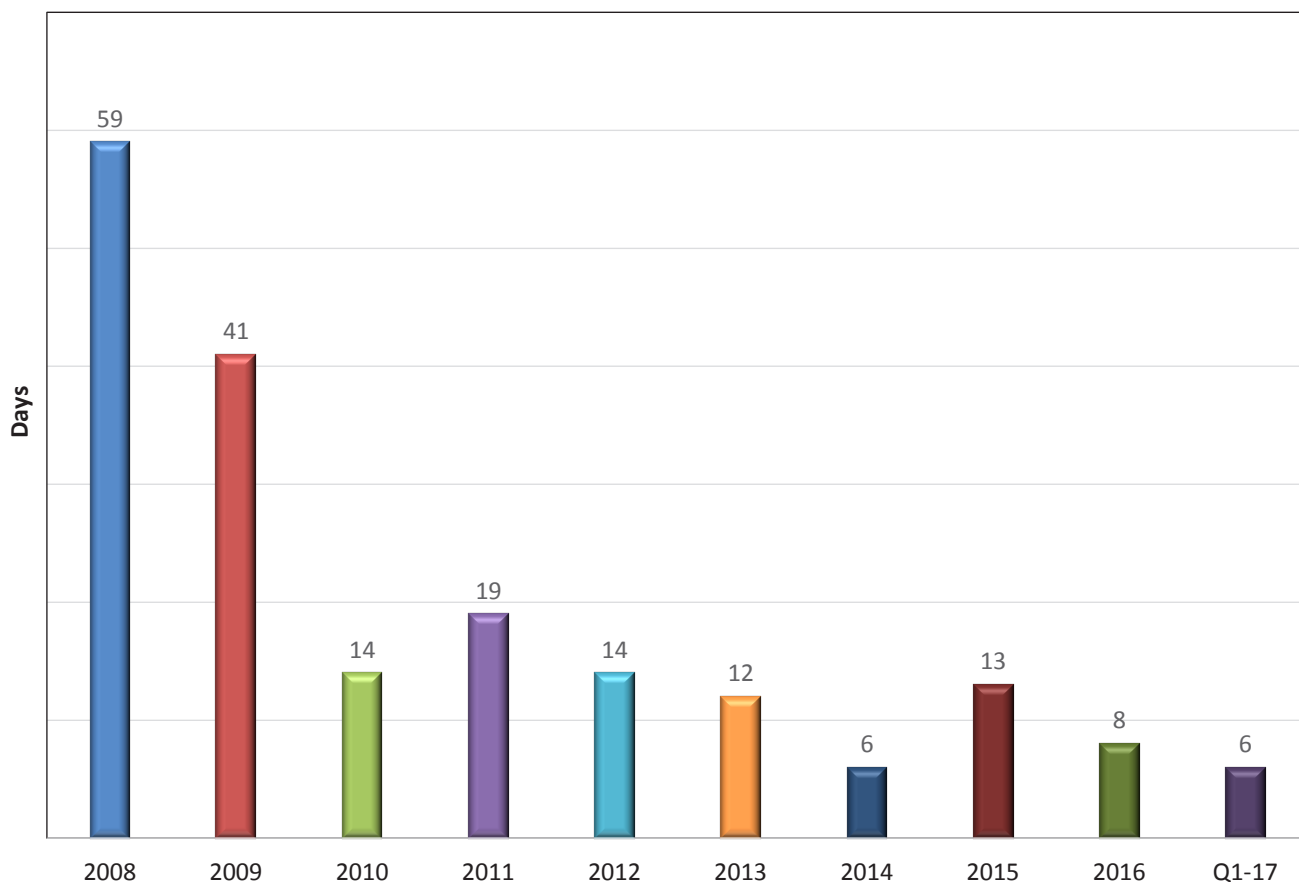
Paired Transplants Completed Between 4/1/2016 and 3/31/2017

Match Ease	Pairs	%	Mean	Median	Std Dev	Range Min	Range Max
1-Very Easy	33	11	44	38	21	8	108
2-Easy	66	21	62	54	42	2	222
3-Hard	113	37	86	50	106	4	763
4-Very Hard	47	15	305	261	221	15	925
5-Ext Hard	49	16	286	233	228	25	878
6-No Match	0	---	---	---	---	---	---
7-ALL	308	100	141	67	177	2	925

Paired Patients Waiting 6 Months or Greater as of 3/31/2017

Match Ease	Pairs	%	Mean	Median	Std Dev	Range Min	Range Max
1-Very Easy	0	---	---	---	---	---	---
2-Easy	0	---	---	---	---	---	---
3-Hard	1	1	204	204	0	204	204
4-Very Hard	20	18	324	310	70	207	452
5-Ext Hard	18	16	278	255	70	193	384
6-No Match	73	65	602	491	392	190	1789
7-ALL	112	100	497	364	350	190	1789

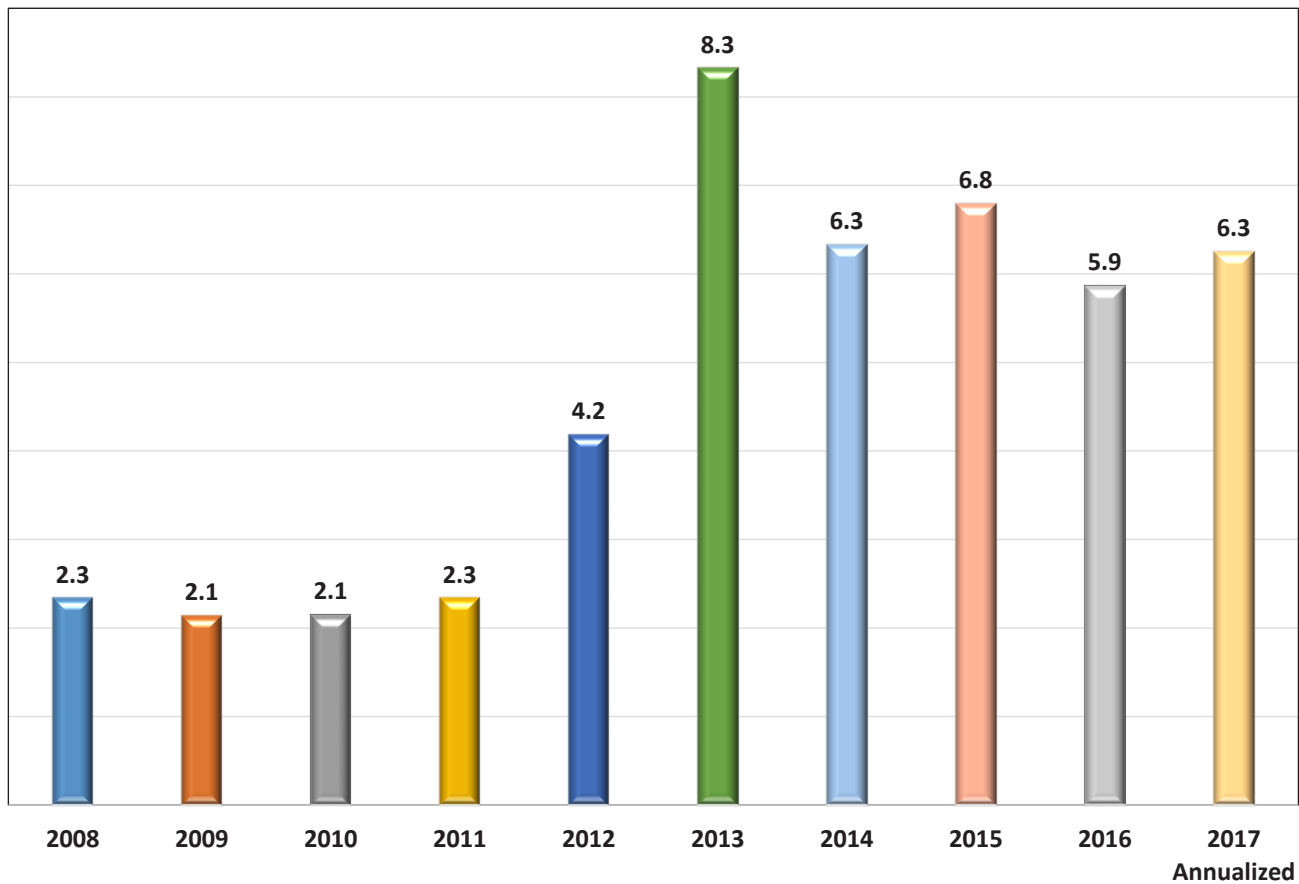
Bridge Donor Median Wait Times



Bridge Donor Wait Times

Year	Median	Mean	Max	Min
2008	59	53	77	16
2009	41	59	187	3
2010	14	51	385	2
2011	19	23	68	4
2012	14	29	314	2
2013	12	20	92	2
2014	6	11	97	2
2015	13	26	175	2
2016	8	14	71	2
Q1-17	6	7	29	1

NKR Transplants per Bridge Donor



Summary Report

Broken Chains & Real Time Swap Failures

Year	# Bridge Donors	# Real Time Swap Failures	# Broken Chains	% Broken Per Year
2008	9	--	3	33%
2009	29	1	2	7%
2010	61	--	2	3%
2011	75	--	0	0%
2012	54	--	4	7%
2013	37	3	3	8%
2014	49	2	4	8%
2015	53	1	1	2%
2016	68	1	2	3%
2017	64	--	1	3%
Total Bridge Donors	499	8	22	

Detail Report

Broken Chains & Real Time Swap Failures

#	Reason Given	Real Time Swap Failures	Broken Chains	Center	Date
1	Job Issues/ long wait time/ many failed XMs		✓	Cornell	5/1/2008
2	No Reason		✓	Cornell	8/21/2008
3	No Reason		✓	CPMC	11/19/2008
4	Donor sick for swap then reneged later	✓	✓	UTMC	6/9/2009
5	Medical		✓	UCSF	11/10/2009
6	Medical		✓	UCLA	3/16/2010
7	Second nuclear GFR test < 80 (79 down from 82)		✓	AGH	9/16/2010
8	No Reason		✓	MethodistTX	2/3/2012
9	No Reason		✓	UCSF	4/4/2012
10	Medical		✓	UCLA	6/28/2012
11	Medical/Surgical		✓	Washington	11/5/2012
12	Aborted donor surgery	✓	✓	CPMC	6/27/2013
13	Kidney declined by recipient surgeon	✓	✓	RWJ/UPenn	7/23/2013
14	Recipient Medical Issue	✓	✓	Porter	10/16/13
15	Kidney Declined by Recipient Surgeon	✓	✓	Porter/Jefferson	1/9/14
16	Medical		✓	UCLA	3/4/14
17	Recipient Medical Issue	✓	Loop	ChristHosp	3/11/14
18	Medical		✓	Hopkins	7/15/14
19	Medical		✓	Hopkins	10/9/14
20	Kidney Declined by Recipient Surgeon	✓	✓	Tampa/Hopkins	7/7/15
21	Kidney Declined by Recipient Surgeon	✓	--	Porter/Aurora St Lukes	3/17/16
22	Donor reneged		✓	Maryland	8/8/16
23	Donor reneged		✓	SCarolina	1/10/17
	Totals	8	21		

Advanced Donation Program

Summary

As of 3/31/2017

Type	Cases	Add'l TXPs Facilitated	80 % + cPRA TXPs Facilitated	95 % + cPRA TXPs Facilitated
Short-Term*	23	89	29	17
Voucher**	14	48	9	4
Total	37	137	38	21

*Short-Term– At time of advanced donation the intended ADP Recipient is in need of transplant

**Voucher - At time of advanced donation the intended ADP Recipient is not in need and may never be in need of transplant.

Advanced Donation Program

Case Details

As of 3/31/2017

Case #	Center	Interval Between Surgeries	ADP Type	Donor ABO	Recip ABO	Recip cPRA	Additional Transplants Facilitated	Additional 80%+ cPRA Transplants	Additional 95%+ cPRA Transplants
1	Barnabas	10 Days	Short-Term	B	A	0%	1	0	0
2	OSU	19 Months	Short-Term	A	O	95%	3	0	0
3	UCLA	5 Months	Short-Term	O	O	58%	4	1	1
4	Madison	15 Months	Short-Term	A	B	0%	1	1	1
5	Madison	2 Weeks	Short-Term	A	O	0%	4	1	0
6	Maryland	9 Weeks	Short-Term	A	O	0%	6	2	2
7	Christiana	6 Months	Short-Term	A	A	28%	2	1	0
8	Madison	8 Months	Short-Term	O	O	92%	2	1	1
9	Sharp	unknownable	Short-Term	B	O	0%	1	0	0
10	MassGen	2 Weeks	Short-Term	B	O	0%	3	1	0
11	UCLA	unknownable	Voucher	O	A	0%	3	0	0
12	UCLA	4 Months	Short-Term	O	O	96%	10	6	2
13	Maryland	2 Months	Short-Term	B	O	0%	3	1	0
14	Penn	unknownable	Short-Term	O	O	0%	9	4	2
15	Cornell	unknownable	Voucher	A	A	87%	8	1	1
16	UCLA/UCSF	8 Months	Short-Term	O	A	94%	5	2	1
17	UMinn	9 Months	Short-Term	O	O	0%	2	0	0
18	UCLA	1 Month	Short-Term	B	O	86%	5	2	1
19	UCSF	8 Months	Short-Term	A	B	52%	2	0	0
20	ASL	2 Months	Short-Term	O	O	28%	8	2	2
21	Cornell	unknownable	Voucher	O	A	87%	14	6	2
22	Cornell	unknownable	Voucher	A	A	0%	3	0	0
23	UCSF	4 Months	Short-Term	O	O	97%	4	1	1
24	ASL	unknownable	Short-Term	B	O	36%	3	0	0
25	Hopkins	2 Weeks	Short-Term	A	A	75%	4	2	2
26	Penn	unknownable	Voucher	A	O	0%	2	0	0
27	UCSF	9 Months	Voucher	A	O	70%	5	2	1
28	Allegheny	unknownable	Voucher	O	A	29%	2	0	0
29	Hopkins	unknownable	Voucher	A	A	99%	2	0	0
30	Brigham	unknownable	Voucher	O	A	98%	2	0	0
31	SCarolina	3 Months	Short-Term	A	O	54%	6	1	1
32	Pinnacle	unknownable	Voucher	A	O	0%	2	0	0
33	Cornell	unknownable	Voucher	A	O	0%	1	0	0
34	Madison	unknownable	Voucher	A	A	0%	1	0	0
35	Cornell	unknownable	Voucher	AB	A	0%	1	0	0
36	VCU	2 Weeks	Short-Term	A	B	0%	1	0	0
37	VCU	unknownable	Voucher	B	O	0%	2	0	0
TOTAL:							137	38	21

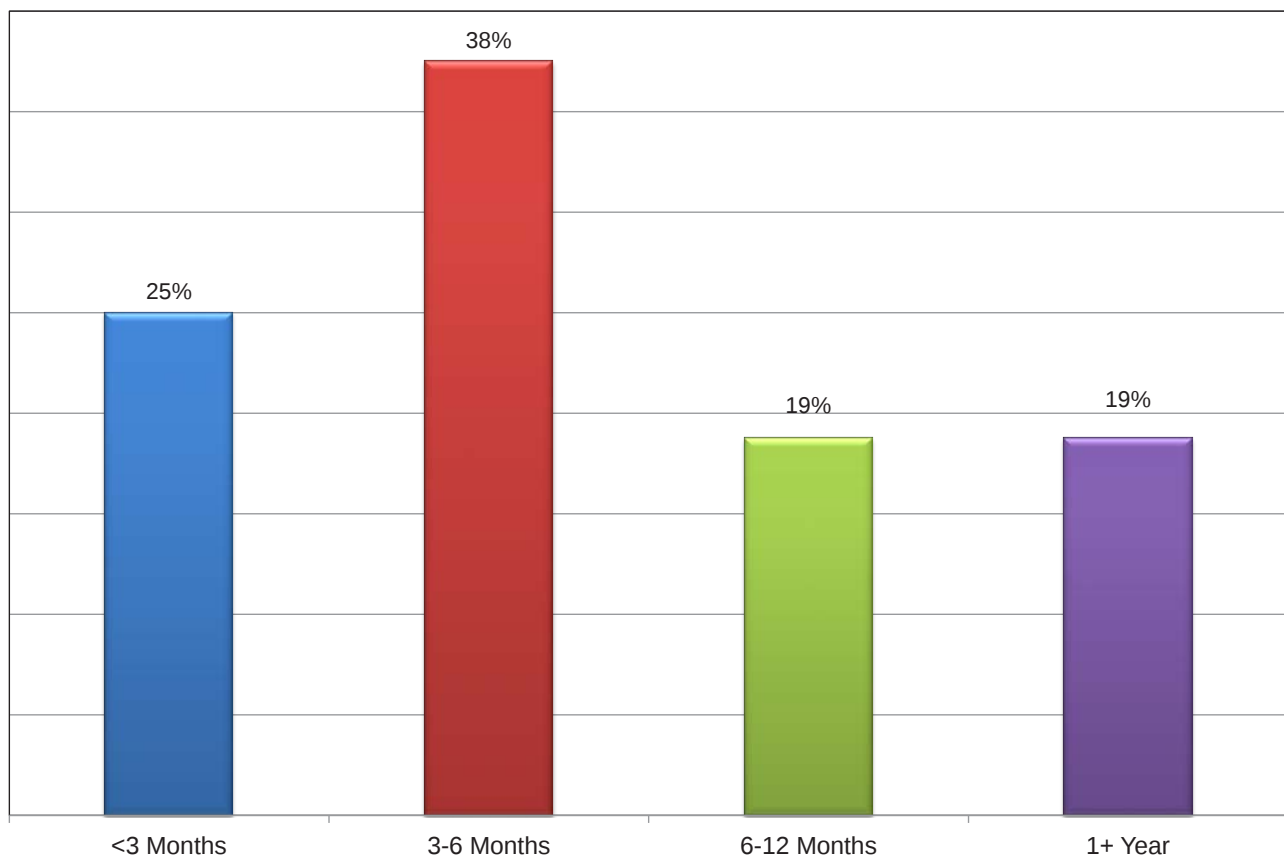
ADP Recipient Wait Time

As of 3/31/2017

#	Center	Recipient Alias	Activation Date	TXP Date	Wait Time in Days	Blood Type	cPRA
1	Barnabas	LAKRAU	7/13/2011	8/25/2011	43	A	0%
2	OSU	CMAS0290	3/15/2012	10/10/2013	574	O	95%
3	UCLA	C483244	10/24/2012	4/6/2013	164	O	58%
4	Madison	WARDRE	1/25/2013	6/20/2014	511	B	0%
5	Maryland	EOSSR	8/7/2013	12/10/2013	125	O	0%
6	Christiana	LOPMI	1/17/2014	8/14/2014	209	A	28%
7	Madison	NEYEMRE	6/25/2014	3/26/2015	274	O	92%
8	MassGen	GCAR	6/14/2014	8/28/2014	75	O	0%
9	UCLA	R334837	5/29/2014	6/17/2015	384	O	96%
10	Maryland	DMJKR	11/14/2014	5/13/2015	180	O	0%
11	UCLA/UCSF	RCS54	4/13/2016	8/3/2016	112	A	94%
12	UMinn	ROBBR70	11/13/2015	6/21/2016	221	O	0%
13	UCLA	C3751	6/8/2015	10/21/2015	135	O	86%
14	UCSF	R136DC	6/10/2016	8/2/2016	53	B	52%
15	ASL	EP1929	12/30/2015	5/10/2016	132	O	28%
16	Hopkins	KATPAT	11/8/2016	11/22/2016	14	A	75%
17	UCSF	R159DC	11/2/2016	2/28/2017	118	O	97%
18	Madison	HANSS	4/11/2013	4/25/2013	14	O	0%

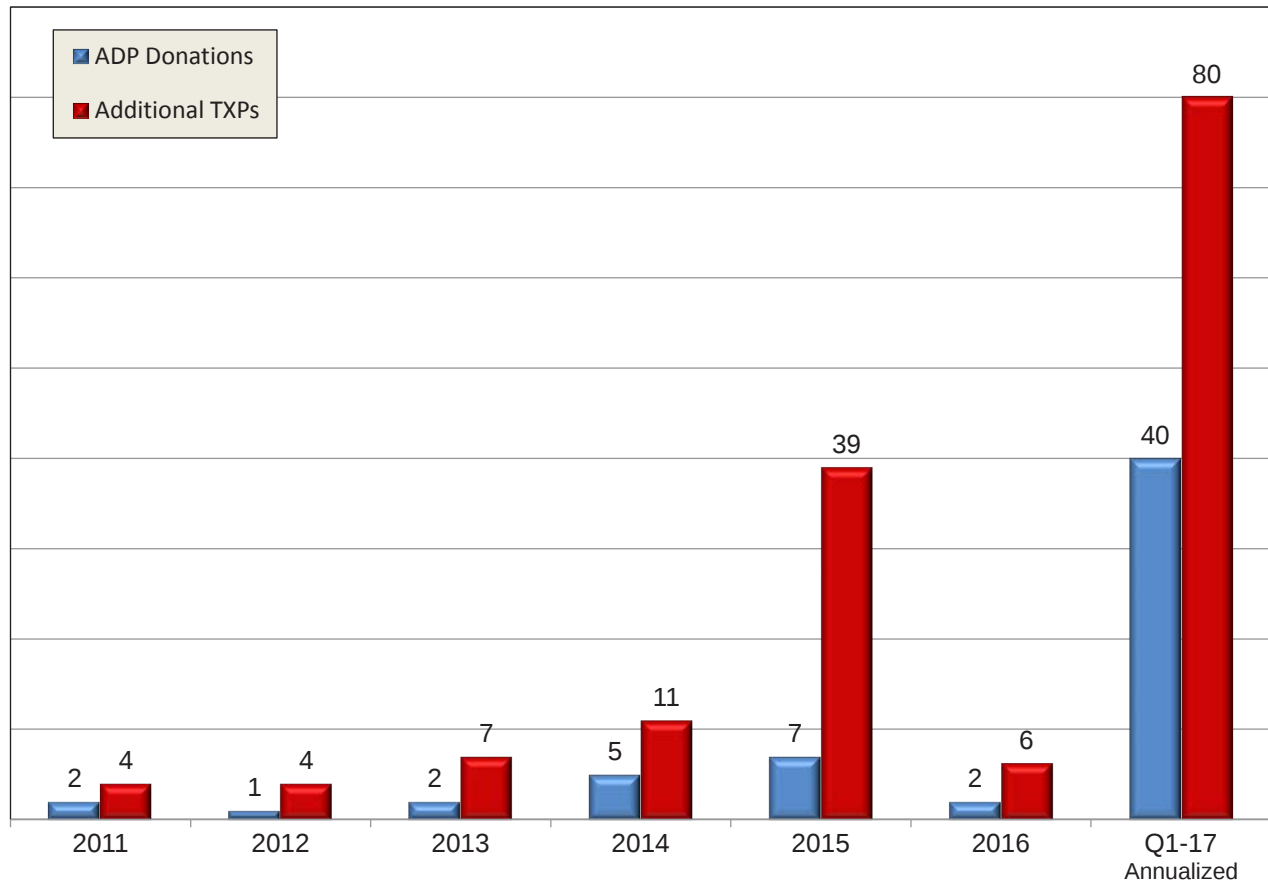
ADP Wait Time Analysis

As of 3/31/2017

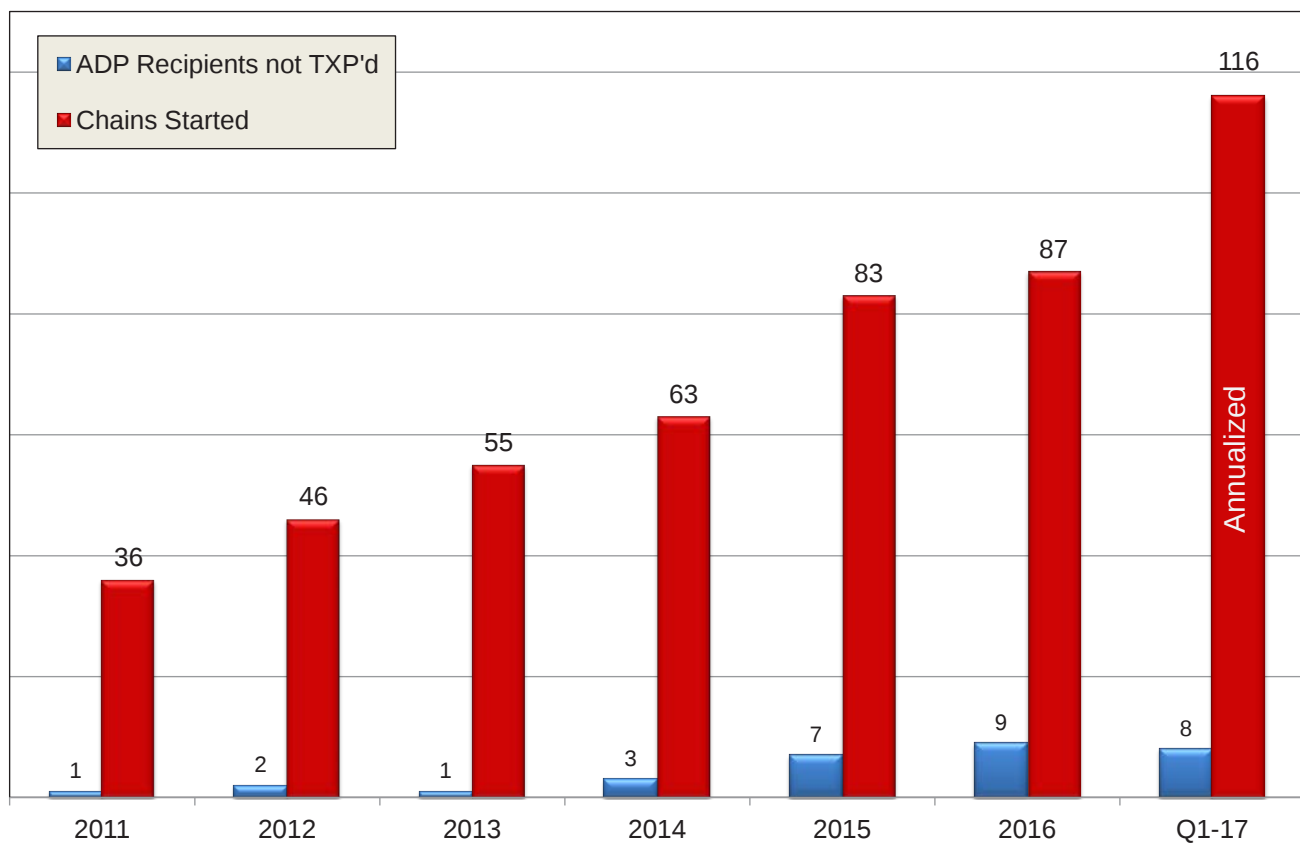


Advanced Donation Program

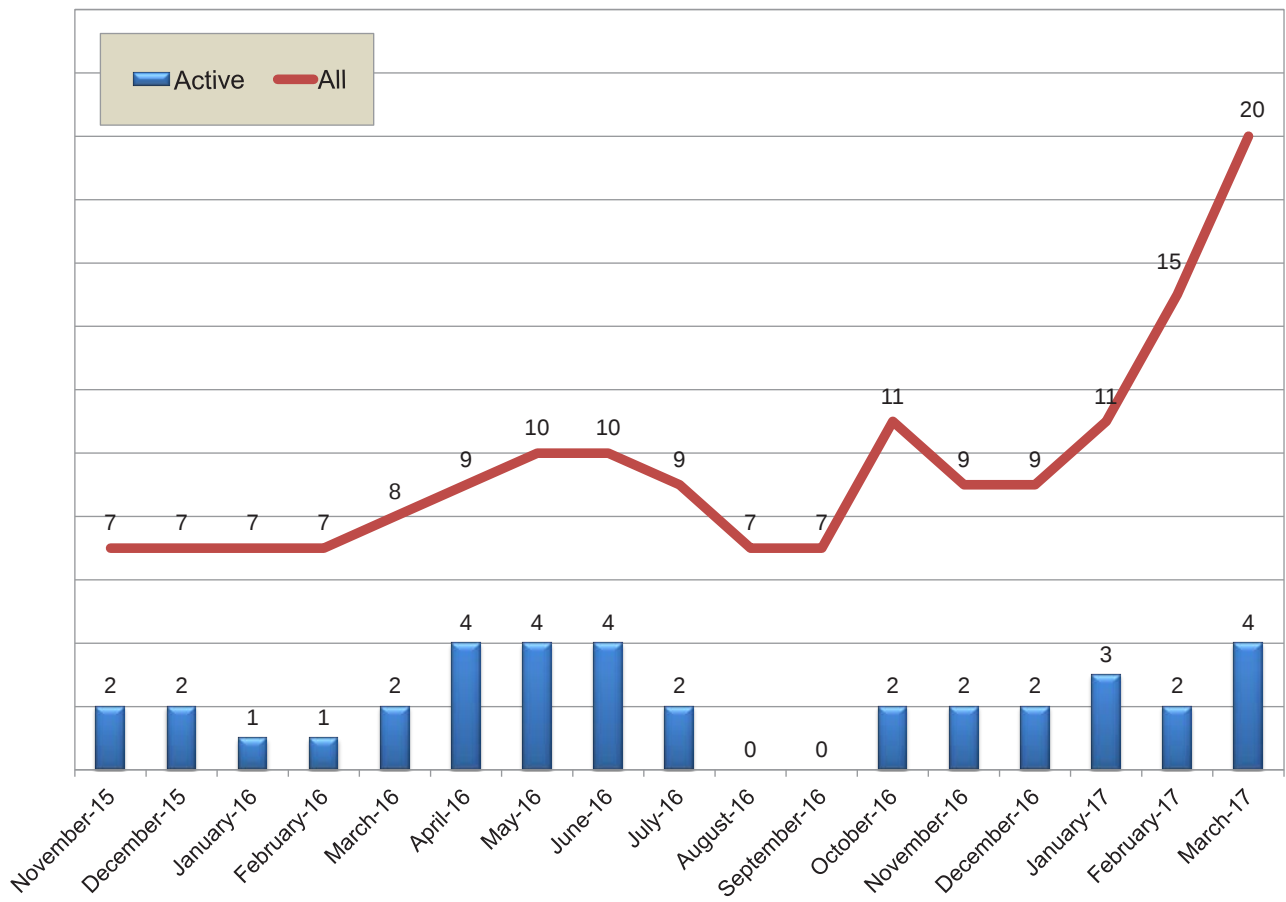
Donations & Additional TXPs Facilitated



ADP Recipients Outstanding vs. Chains Started



ADP Recipient Pool



Program Statistics

As of 3/31/2017

		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	Transplants Facilitated	21	62	131	175	226	308	310	360	399	100
2	Paired Transplants Facilitated	21	39	91	131	164	252	255	288	315	71
3	Chip Transplants Facilitated	0	23	40	44	62	56	55	72	84	29
4	Ending Unmatched Patient Pool	80	127	120	201	241	255	279	280	215	238
5	Cumulative Transplants	21	83	214	389	615	923	1233	1593	1992	2092
6	Cumulative Paired Transplants	21	60	150	280	526	777	1030	1316	1630	1701
7	Cumulative Chip Transplants	0	23	64	109	89	146	203	277	362	391
8	Cumulative Paired Patient Pool	101	210	334	590	805	1062	1351	1615	1877	1970
9	Percent of Pool Transplanted (Paired Recipients)	21%	40%	64%	66%	71%	76%	79%	84%	89%	88%
10	Enrolled Patient Mean Wait Time (years)	3.8	2.0	0.9	1.1	1.1	1.0	0.9	0.9	0.9	0.8
11	Transplanted Patient Mean Wait Time (months)	5.1	5.3	6.0	5.0	5.1	5.4	4.8	4.1	4.7	4.6
12	Transplanted Patient Median Wait Time (months)	5.3	5.3	3.9	2.5	3.0	3.0	2.3	2.1	2.1	2.1
13	Mean cPRA of Transplanted Patients	4.1%	25.9%	34.5%	40.3%	44.1%	54.0%	48.3%	48.9%	42.8%	45.7%
14	Number of Transplants Completed by cPRA										
15	100%	0	1	4	10	4	5	3	7	3	0
16	95-100%	0	4	12	10	29	68	41	47	39	10
17	80-95%	1	7	16	29	26	37	49	55	59	20
18	50-80%	0	5	19	27	33	46	48	42	53	5
19	0-50%	1	8	13	30	34	47	43	57	61	18
20	0%	19	37	67	69	100	105	126	152	184	47
21	Sub-total	21	62	131	175	226	308	310	360	399	100
22	Percent of Transplants Completed by cPRA										
23	100%	0%	2%	3%	6%	2%	2%	1%	2%	1%	0%
24	95-100%	0%	6%	9%	6%	13%	22%	13%	13%	10%	10%
25	80-95%	5%	11%	12%	17%	12%	12%	16%	15%	15%	20%
26	50-80%	0%	8%	15%	15%	15%	15%	15%	12%	13%	5%
27	0-50%	5%	13%	10%	17%	15%	15%	14%	16%	15%	18%
28	0%	90%	60%	51%	39%	44%	34%	41%	42%	46%	47%
29	Sub-total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
30	Number of Transplanted Patients with cPRA >80%	1	12	32	49	59	110	93	109	101	30
31	Percent of Transplanted Patients with cPRA >80%	5%	19%	24%	28%	26%	36%	30%	30%	26%	30%

Program Statistics

As of 3/31/2017

		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
32	Number of Unmatched Patients by cPRA										
33	100%				79	73	83	81	80	80	74
34	95-99%				73	73	61	61	53	37	37
35	80-95%				15	15	24	19	22	12	14
36	50-80%				14	11	14	13	25	13	16
37	0-50%				14	10	22	37	35	28	39
38	0%				50	59	51	68	65	45	58
39	Sub-total				245	241	255	279	280	215	238
40	Percent of Unmatched Patients by cPRA										
41	100%				32%	30%	33%	29%	29%	37%	31%
42	95-99%				30%	30%	24%	22%	19%	17%	16%
43	80-95%				6%	6%	9%	7%	8%	6%	6%
44	50-80%				6%	5%	5%	5%	9%	6%	7%
45	0-50%				6%	4%	9%	13%	13%	13%	16%
46	0%				20%	24%	20%	24%	23%	21%	24%
47	Sub-total				100%	100%	100%	100%	100%	100%	100%
48	Number of Transplants Completed by Wait Time										
49	< 6 months	21	42	74	106	180	232	243	298	327	84
50	6-12 months	0	10	14	19	24	44	35	38	30	7
51	1-2 years	0	4	15	14	20	25	27	22	32	8
52	2+ years	0	0	2	2	2	7	5	2	10	1
53	Sub-total	21	56	105	141	226	308	310	360	399	100
54	Percent of Transplants Completed by Wait Time										
55	< 6 months	100%	75.0%	70.5%	75.2%	79.6%	75.3%	78.4%	82.8%	82.0%	84.0%
56	6-12 months	0.0%	17.9%	13.3%	13.5%	10.6%	14.3%	11.3%	10.6%	7.5%	7.0%
57	1-2 years	0.0%	7.1%	14.3%	9.9%	8.8%	8.1%	8.7%	6.1%	8.0%	8.0%
58	2+ years	0.0%	0.0%	1.9%	1.4%	0.9%	2.3%	1.6%	0.6%	2.5%	1.0%
59	Sub-total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
60	Total Chains Started	4	9	28	36	46	55	63	83	99	29
61	Total Loops Completed	0	3	2	3	12	24	17	15	7	3
62	Number of broken chains	3	2	2	0	4	3	4	1	2	1
63	Bridge Donors Held (2017 Annualized)	9	29	61	75	54	37	49	53	68	64
64	Percent of broken chains	33%	7%	3%	0%	7%	8%	8%	2%	3%	2%



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