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Overview of Living Donor Kidney Transplant Activity

Matthew Robb

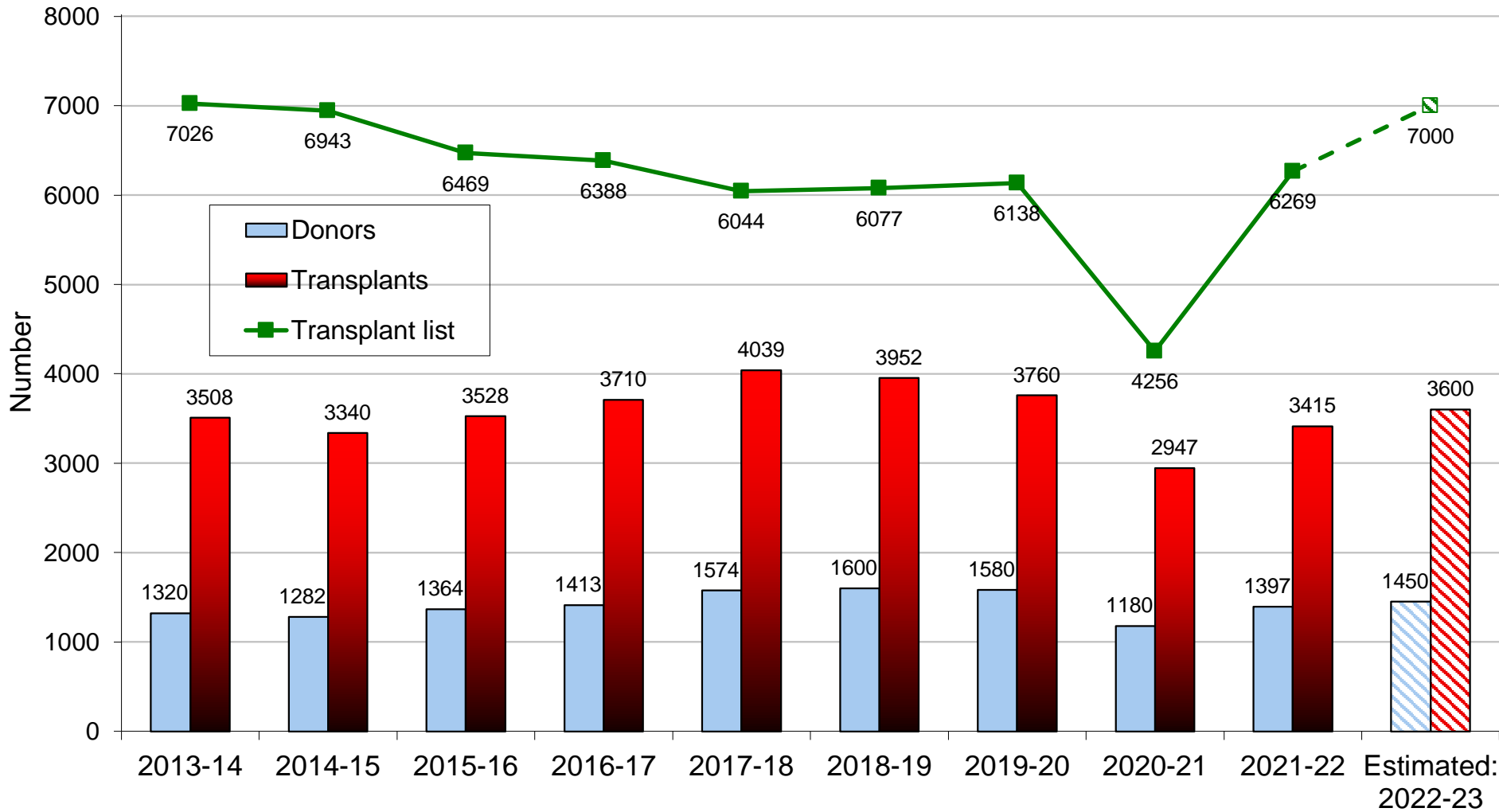
Statistics and Clinical Research

NHSBT

Summary of Activity



Deceased donors, transplants and transplant waiting list

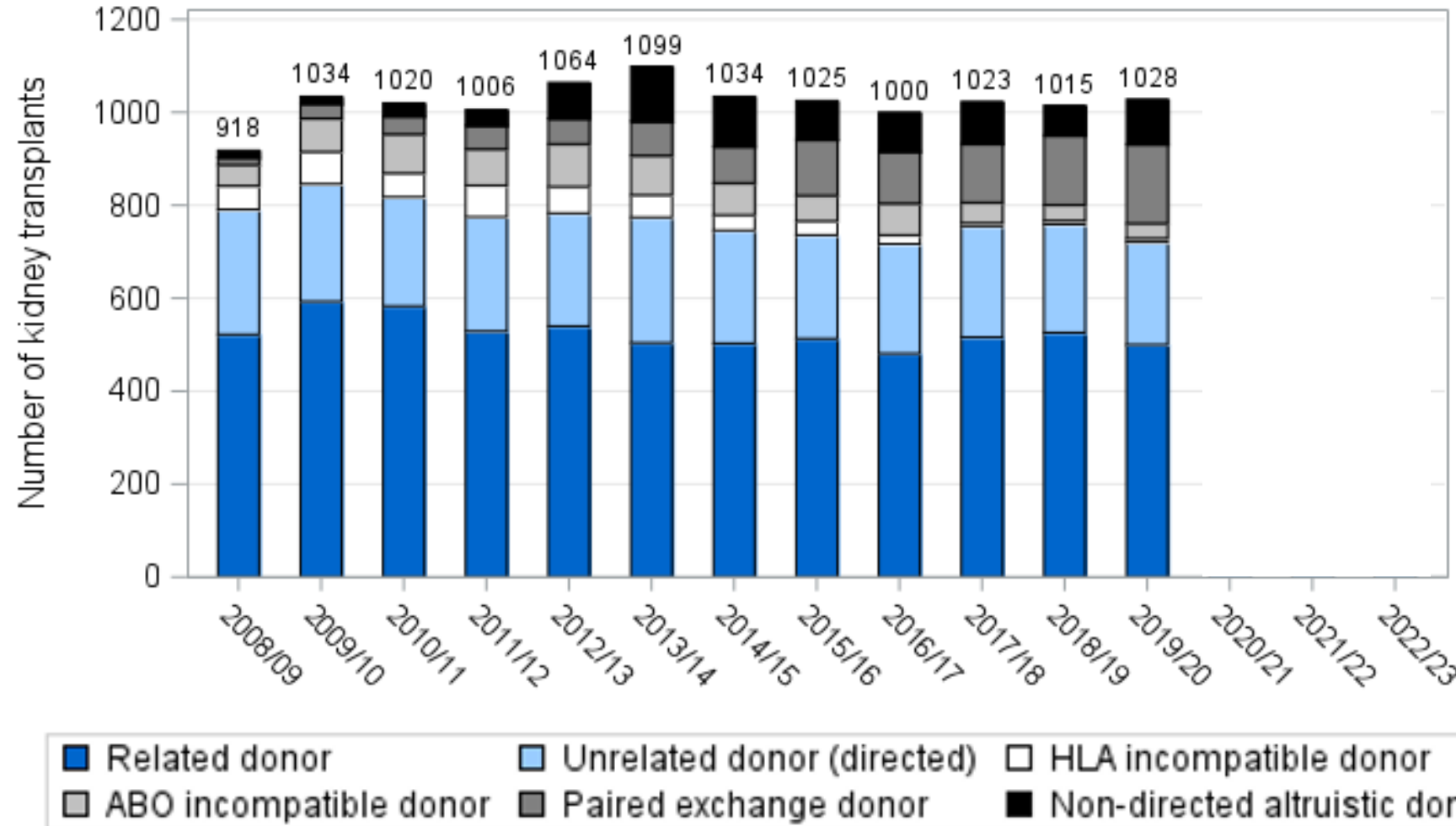


Over the last year

Waiting lists increased to those seen 10 years ago

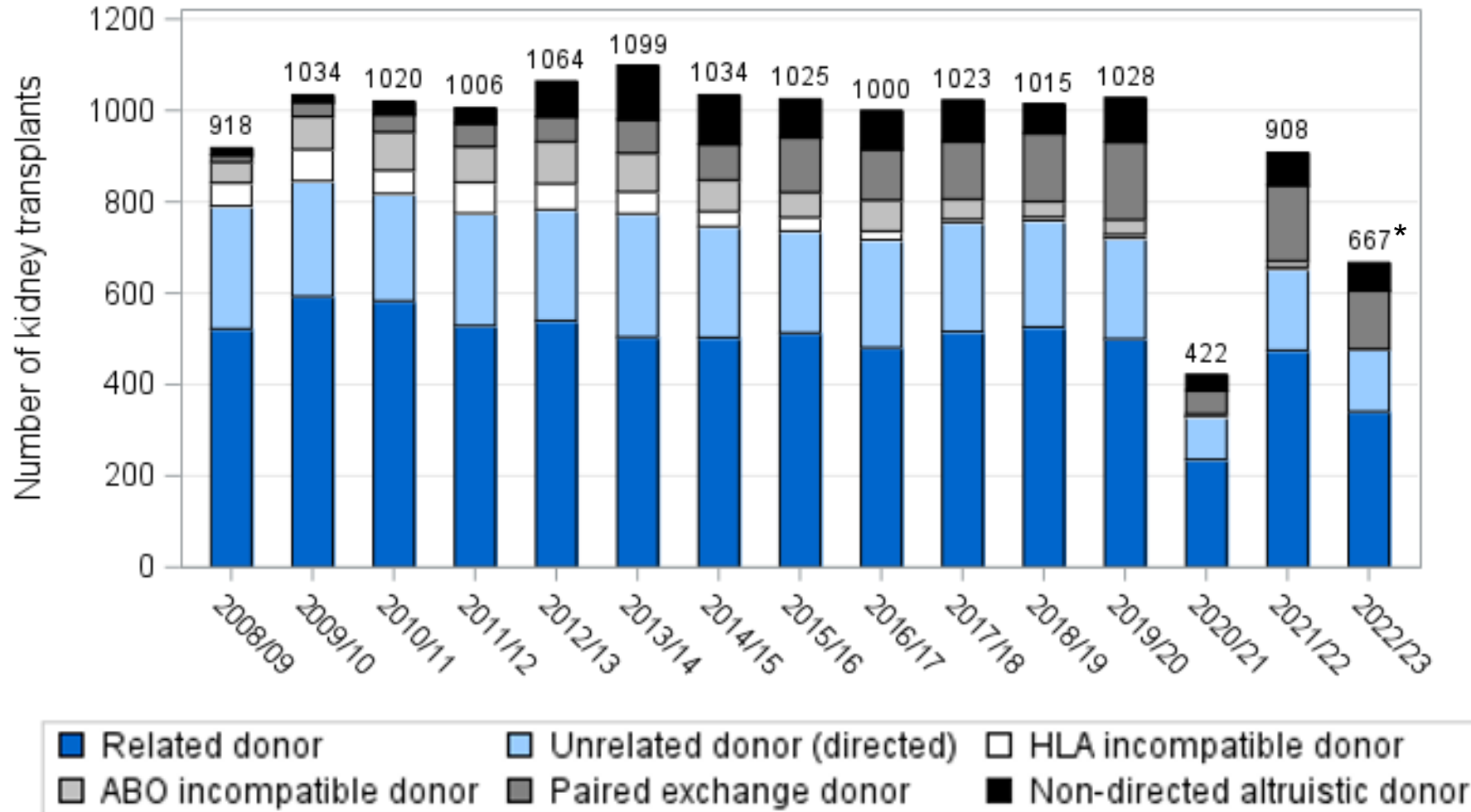
Increase in transplants

UK Living Donor Kidney Transplants, April 2007 – January 2023



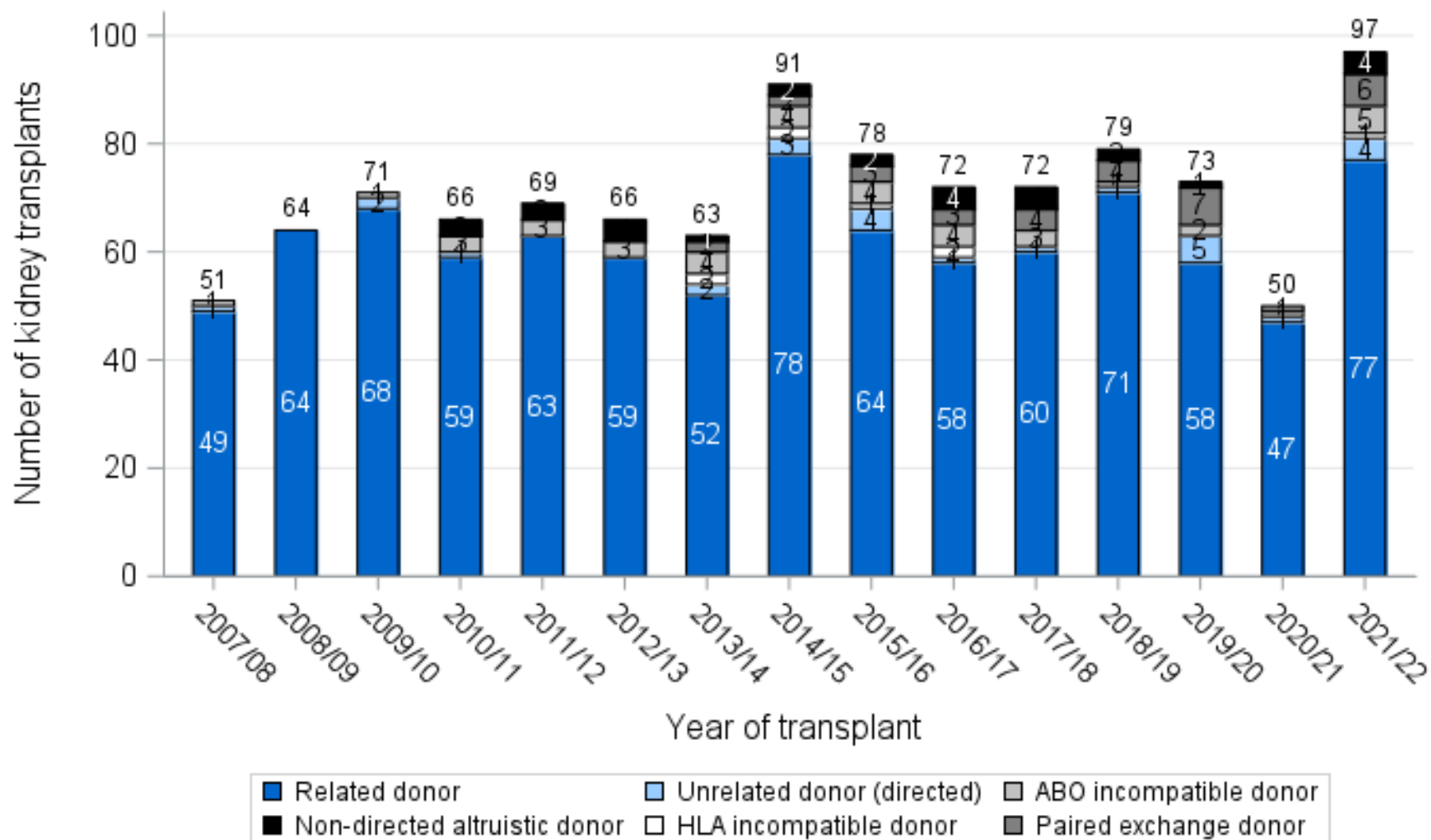
LD kidney transplants account for 32% of all kidney transplants 2014-19

UK Living Donor Kidney Transplants, April 2007 – January 2023



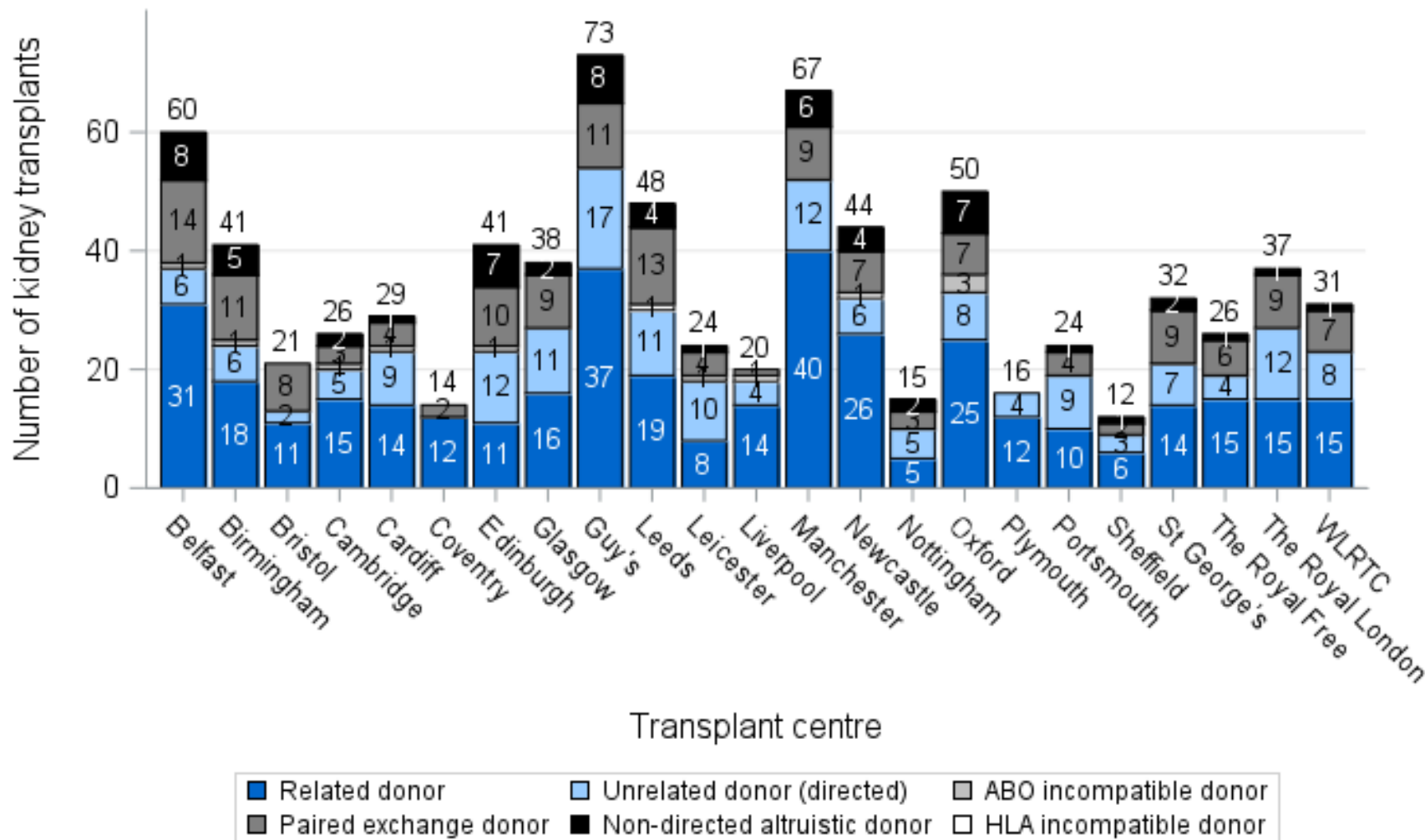
667 transplants reported to date in 22/23

UK Living Donor Kidney Transplants- Paediatric recipients



Living donor kidney transplants by centre

April 2021 - March 2022

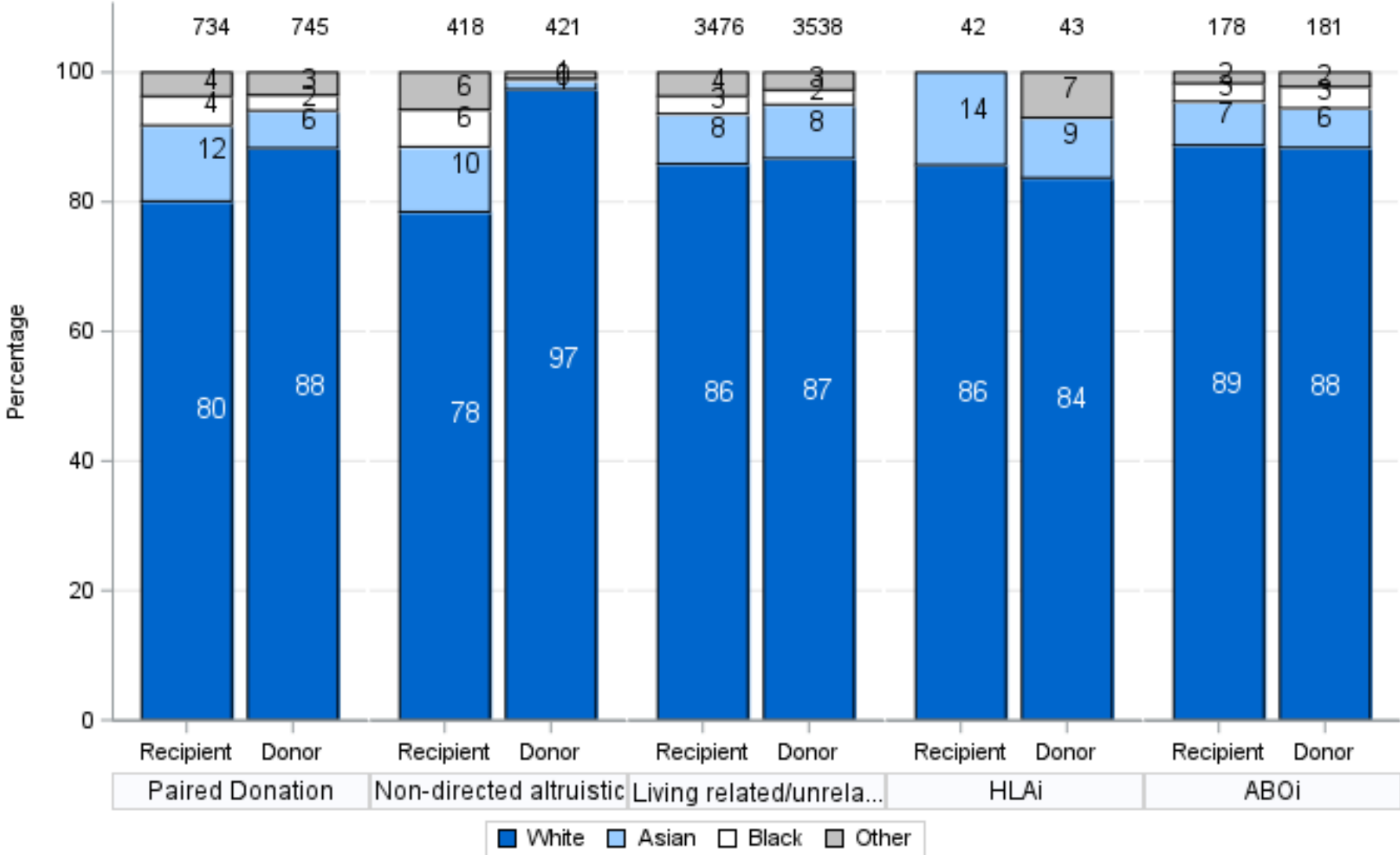


Living donor kidney transplants by ethnicity

April 2021 - March 2022

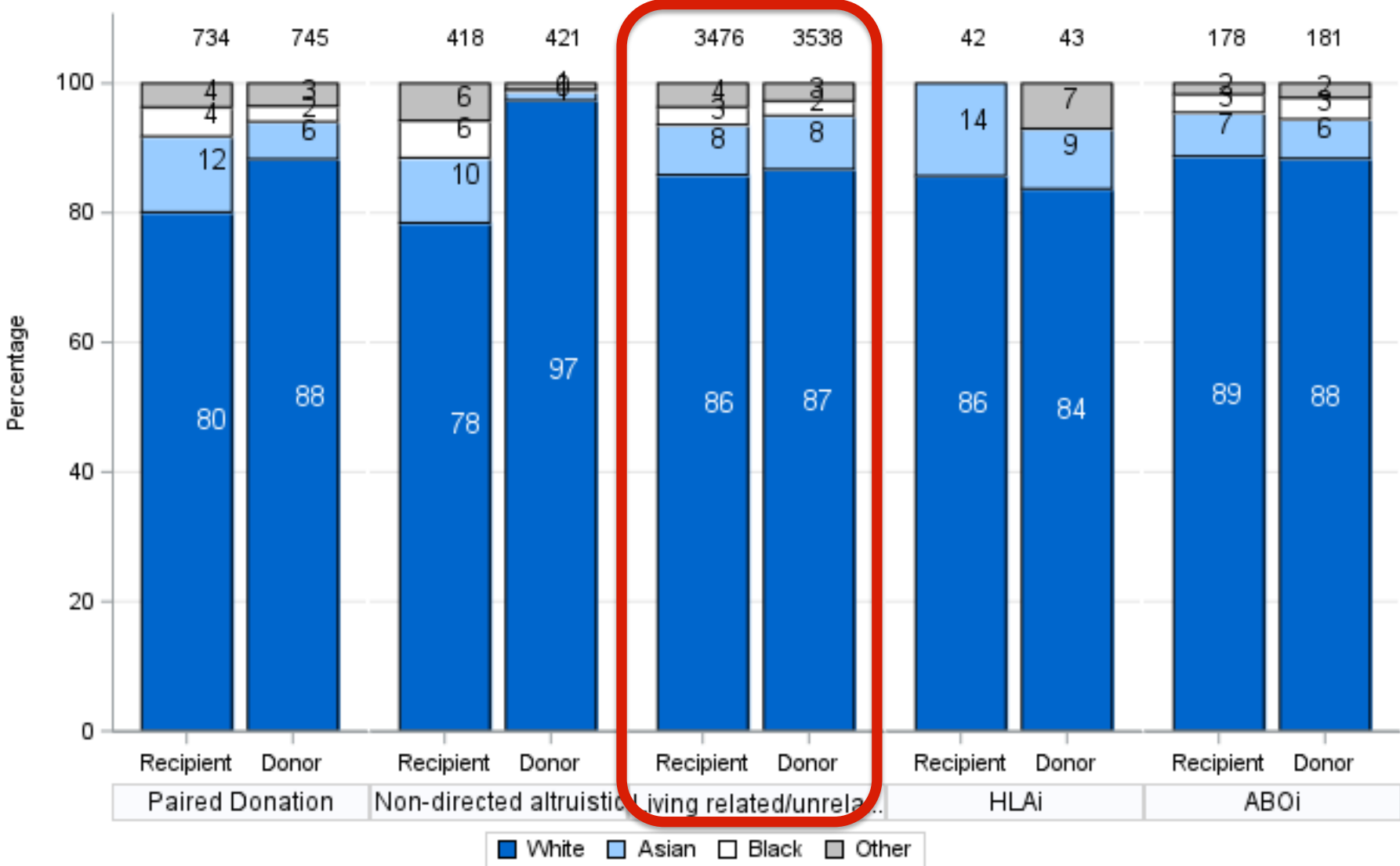


Blood and Transplant



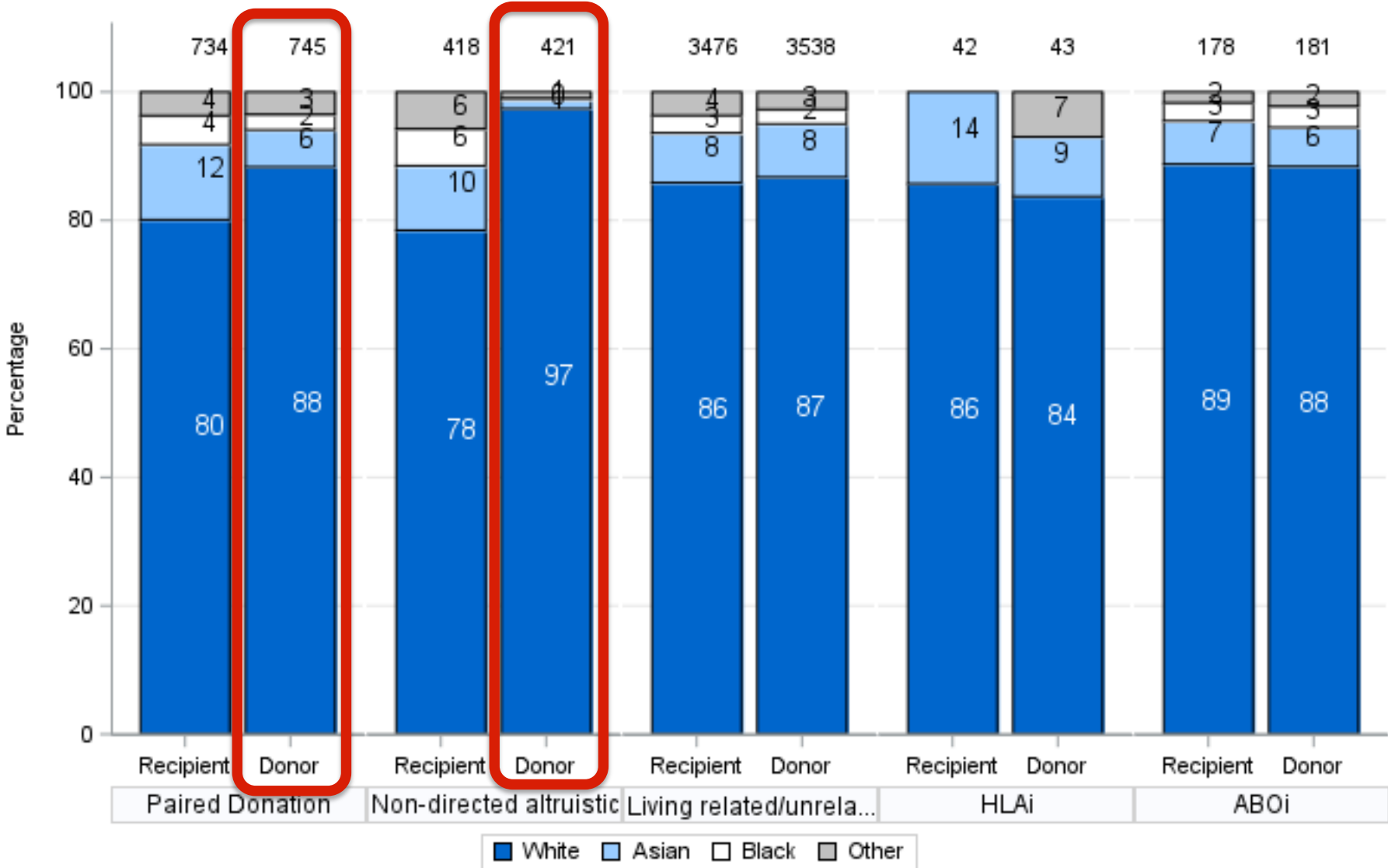
Living donor kidney transplants by ethnicity

April 2021 - March 2022



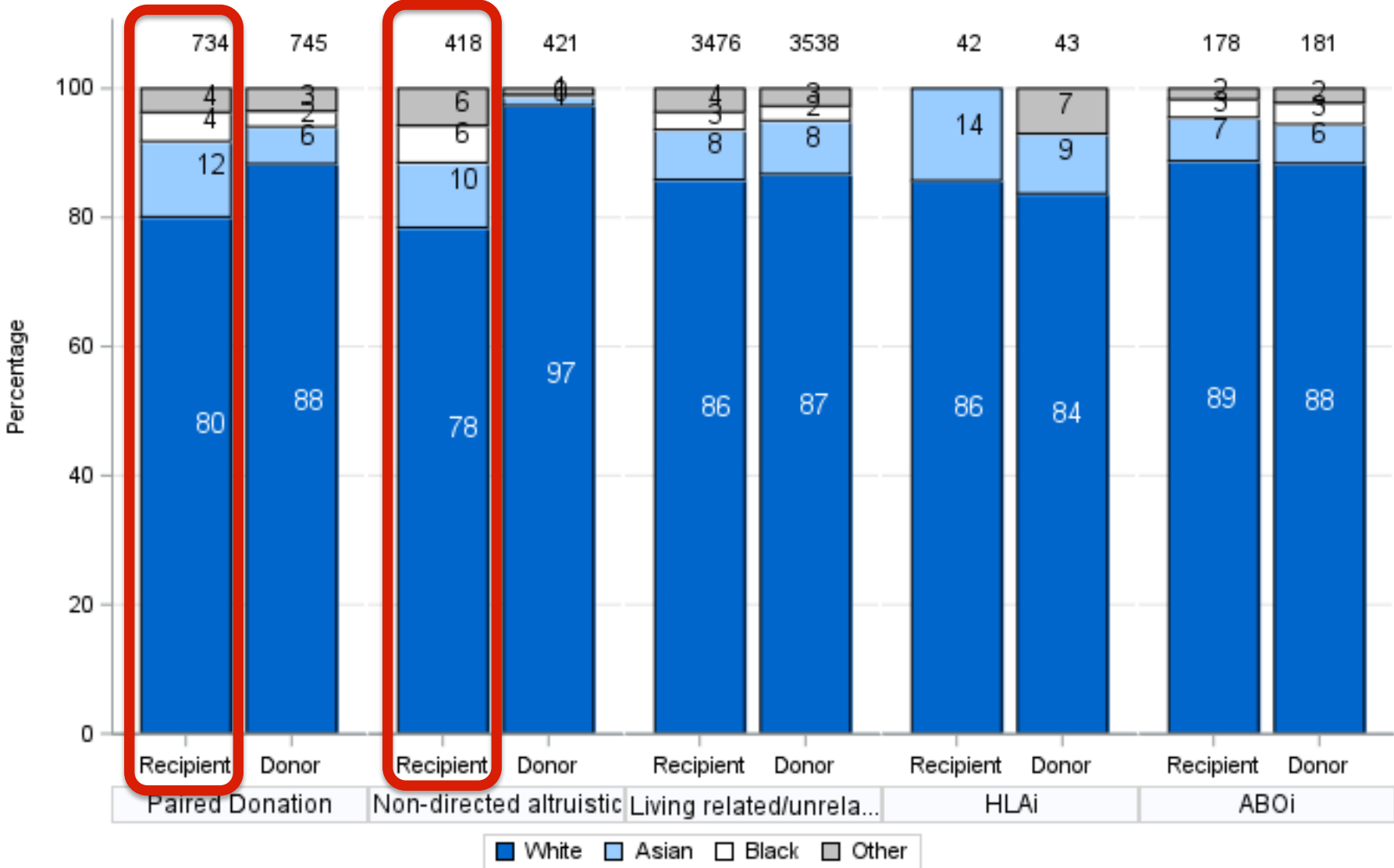
Living donor kidney transplants by ethnicity

April 2021 - March 2022



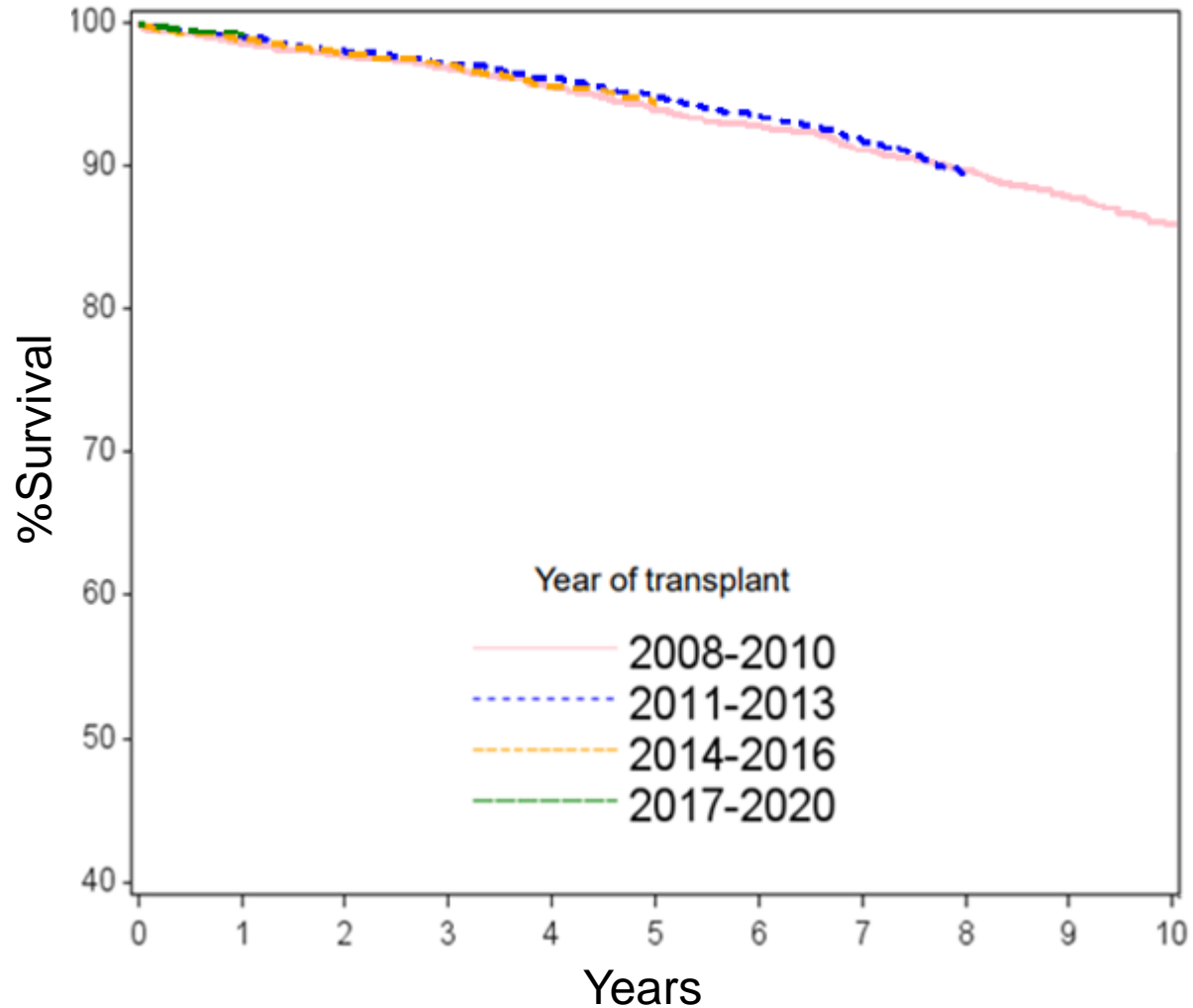
Living donor kidney transplants by ethnicity

April 2021 - March 2022



Long Term Survival Outcomes – Adult recipients, Living Donor

Graft Survival



Published 10-year Survival Outcomes
Transplants (2008-2010)

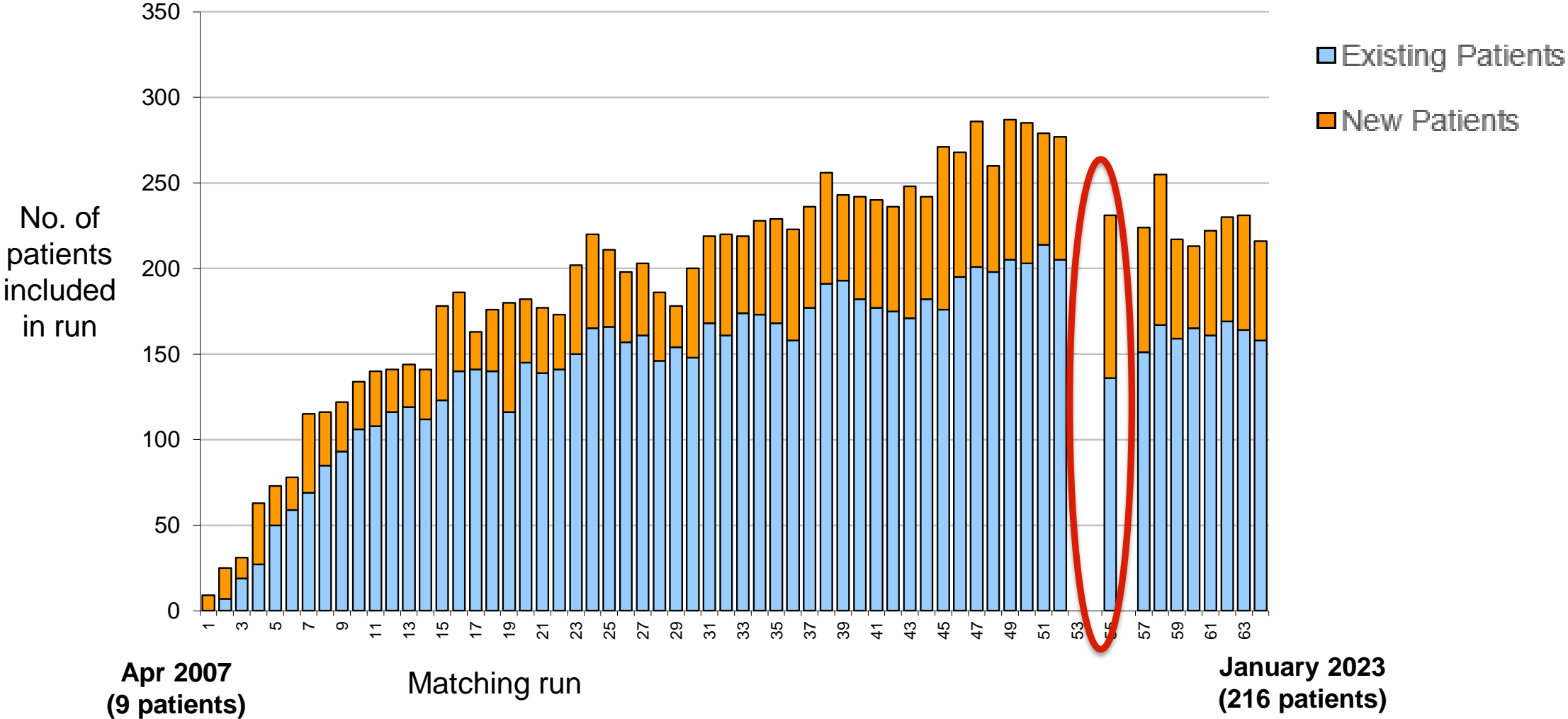
- Graft Survival – 83%
- Patient Survival – 86%

UK Living Kidney Sharing Scheme

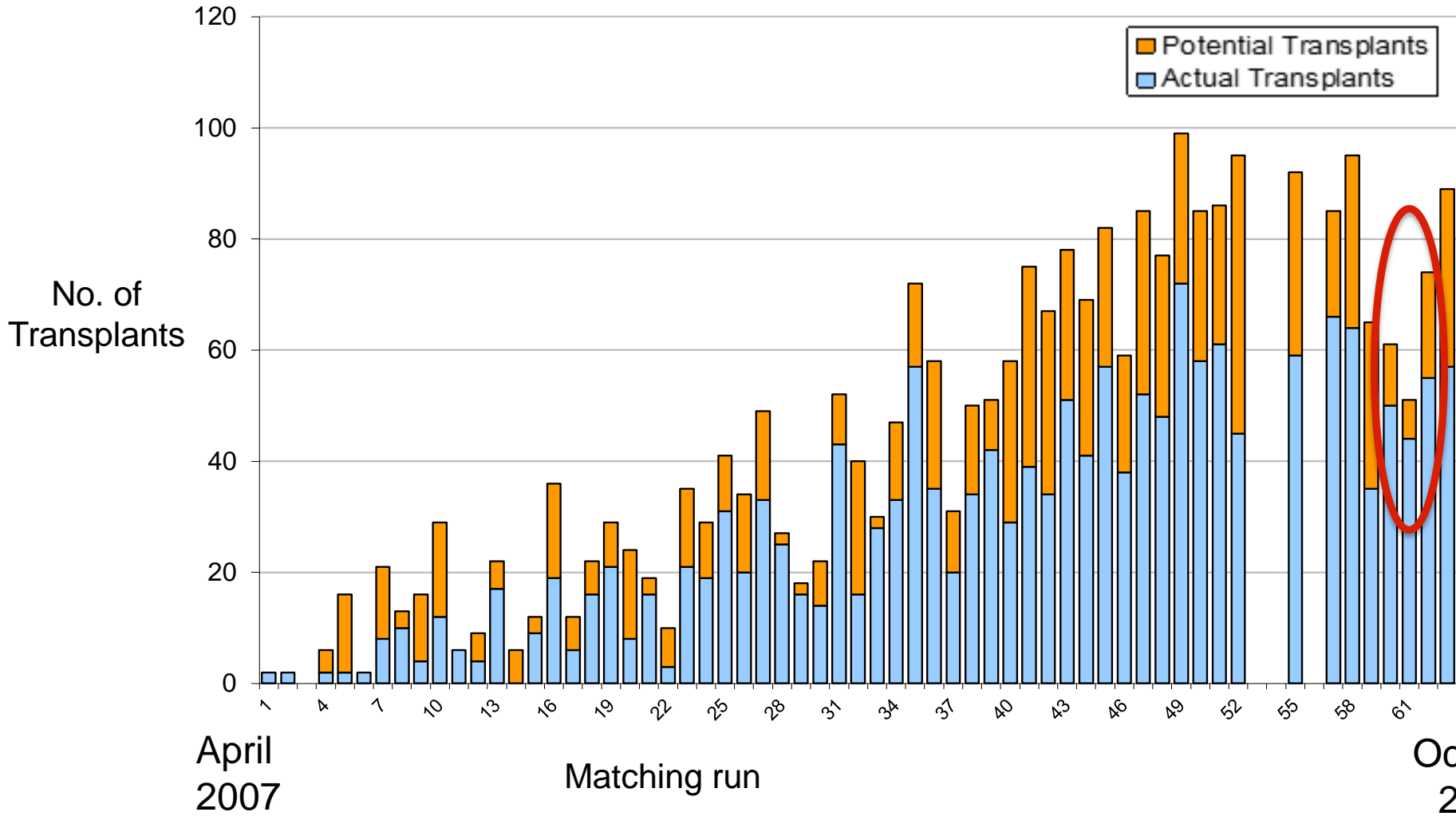


Number of Patients in Quarterly Matching Runs

Blood and Transplant



Potential and Actual Transplants



Conversion rate

2007-2022: 64%

Reducing non-proceeding transplants: Feedback

NHS
Blood and Transplant

Non-proceeding or delayed transplants through the UK Living Kidney Sharing Schemes

This information is being requested to analyse the reasons for non-proceeding transplants identified through the UK Living Kidney Sharing Scheme. The data will then be used as part of the ongoing process of improving the rates of proceeding transplants through the scheme. Before submitting your response please ensure you have discussed the cause and any remedial action with the wider multi-disciplinary team.

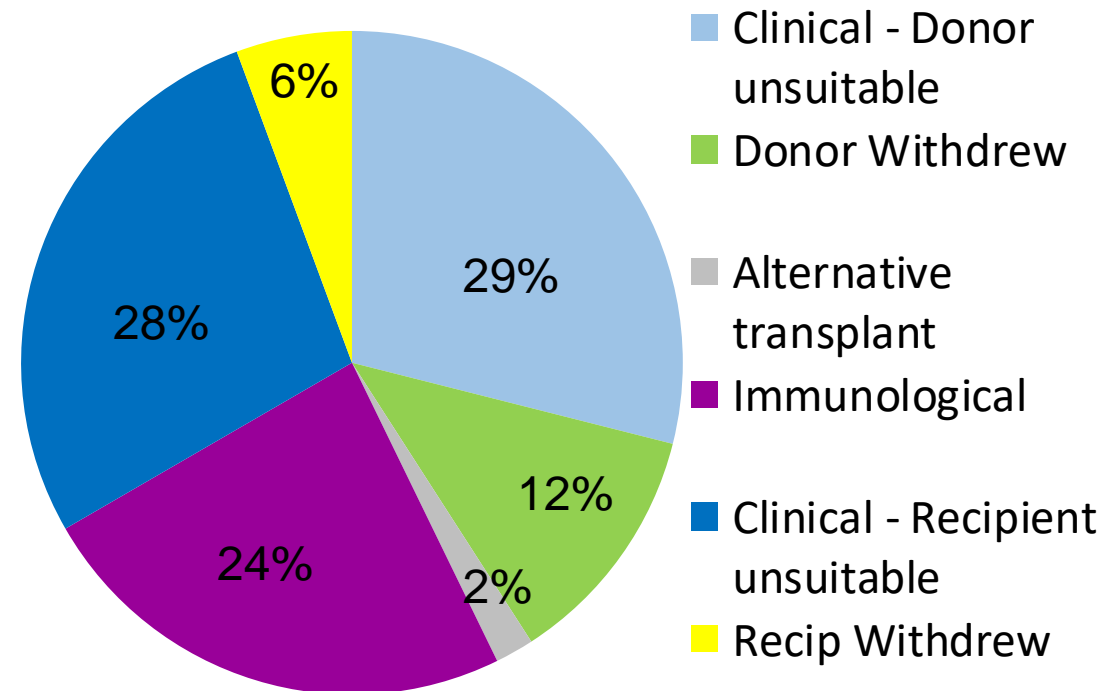
* Feedback ID (from the covering email)

Next

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Privacy & Cookie Policy

January 2018- January 2023 (159 reasons)



Outcomes for Living Kidney Donors



Resources

- LD annual follow-up form

Includes mortality, clinical data

UK TRANSPLANT REGISTRY

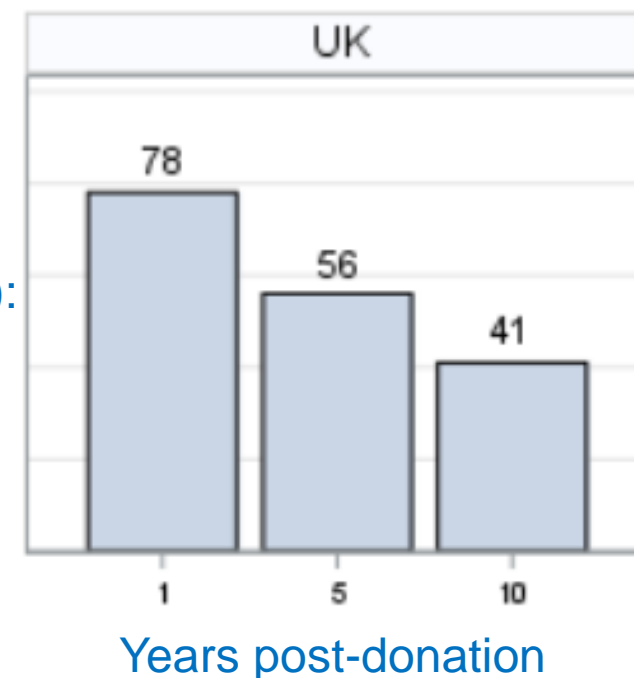
Blood and Transplant

Kidney LIVING DONOR ASSESSMENT FOLLOW-UP

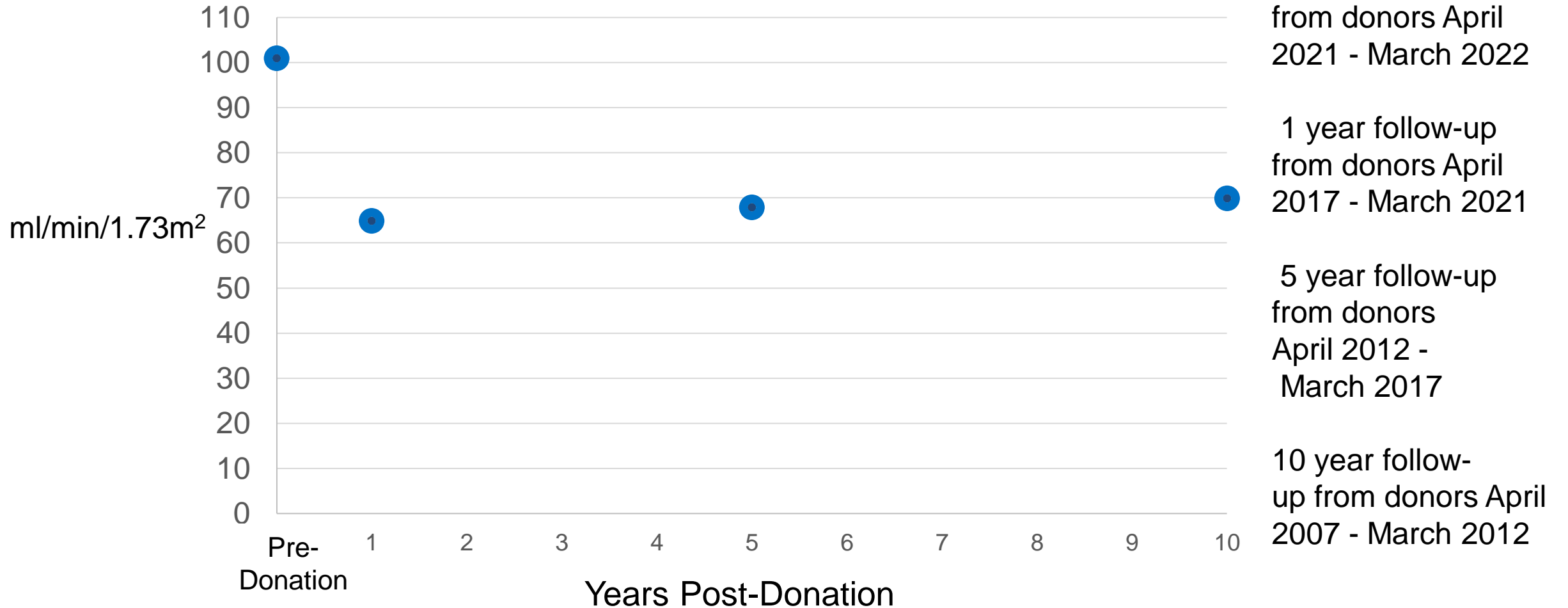
Where the donor is being followed up by their GP and not the transplant unit, the transplant unit is required to liaise with the GP in the completion of this form and its return to NHS Blood and Transplant.

Follow-up information for living kidney donors is requested by NHS Blood and Transplant one, two and five years after donation and then every five years thereafter.

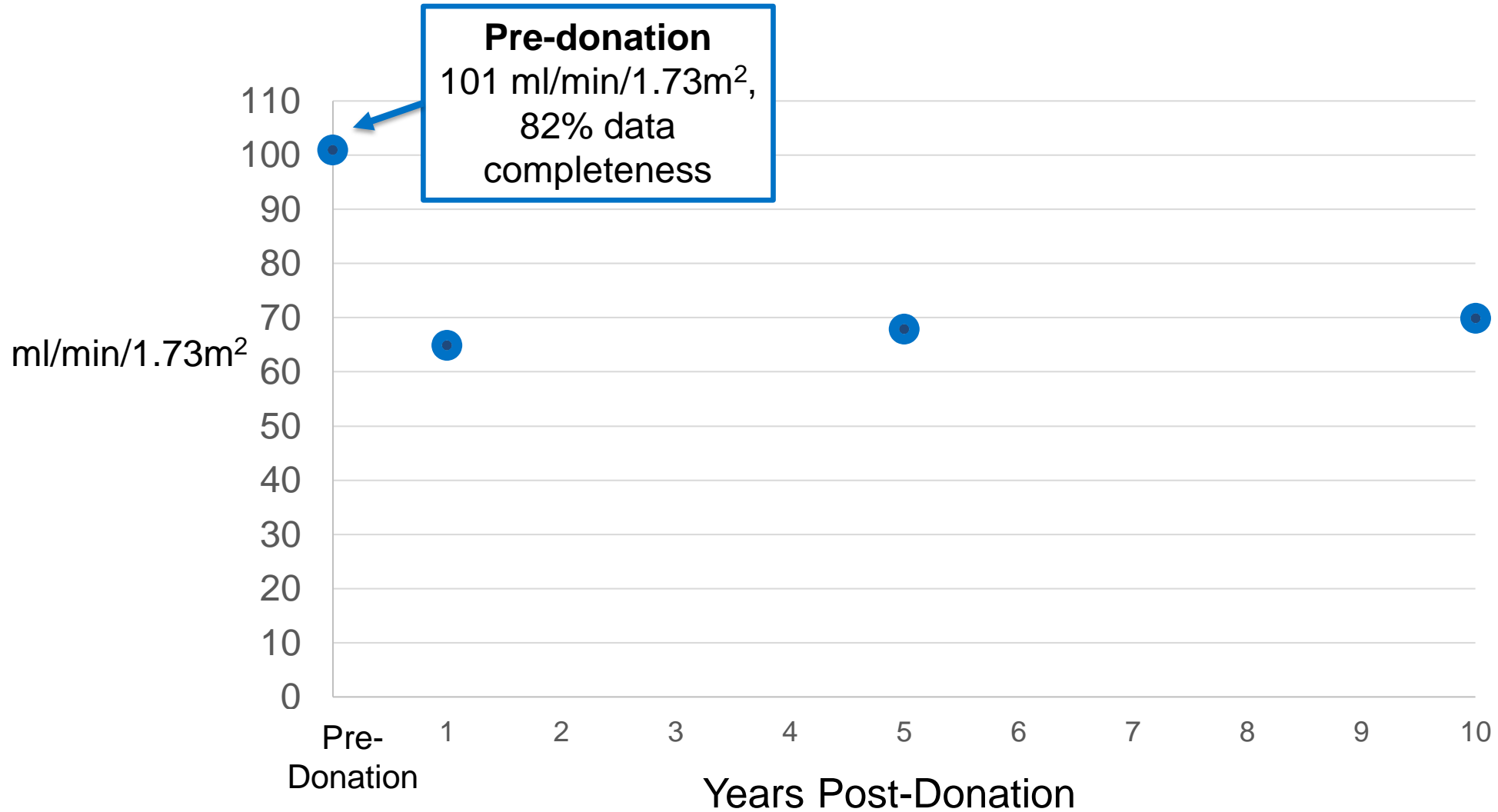
Follow-up
Return rates (%):



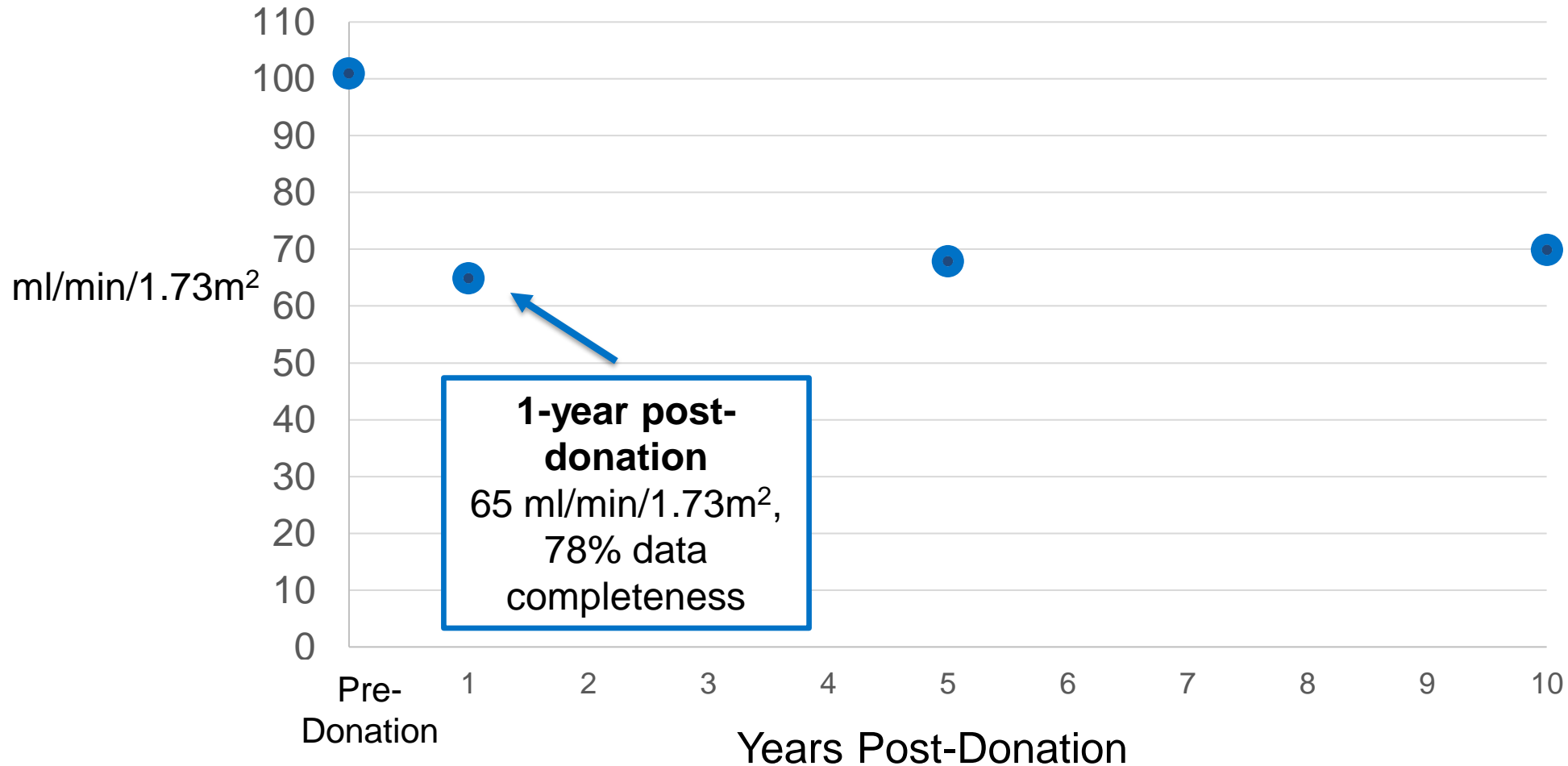
Reported Outcomes – Follow-up forms: Median eGFR (CKD-EPI)



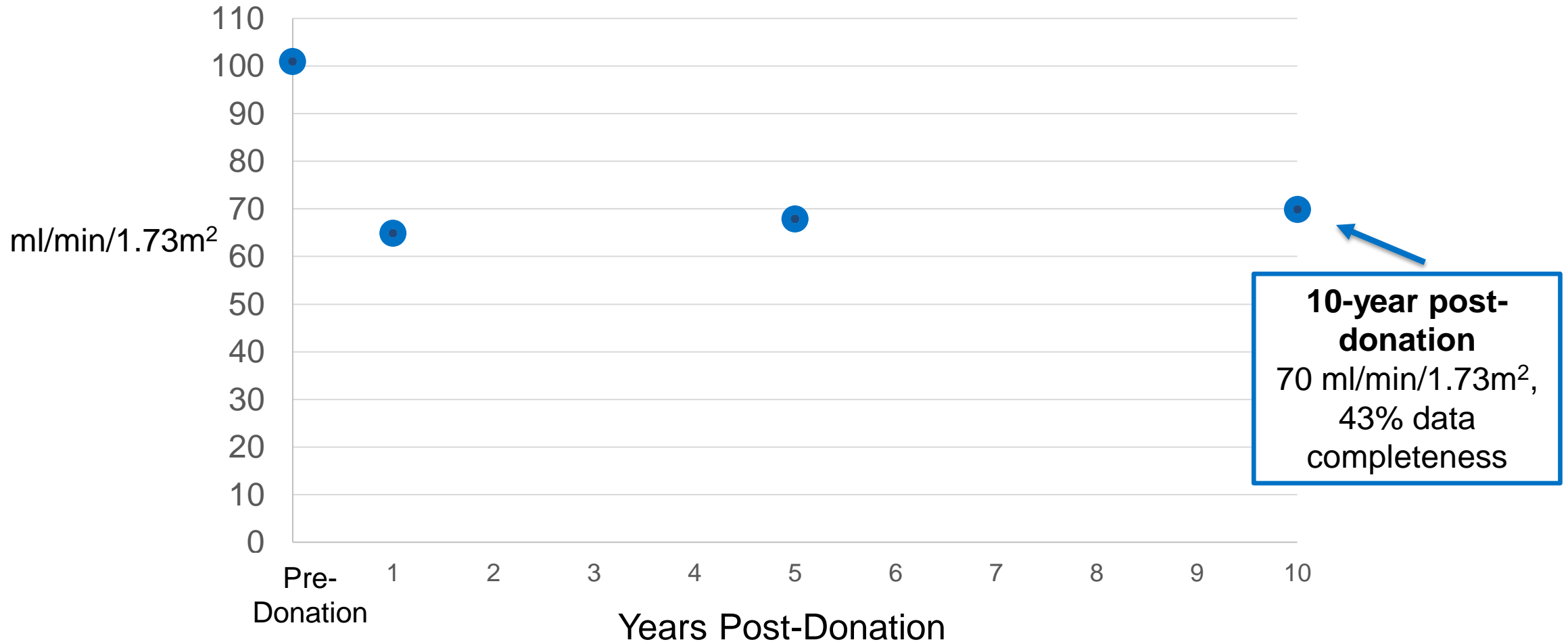
Reported Outcomes – Follow-up forms: Median eGFR (CKD-EPI)



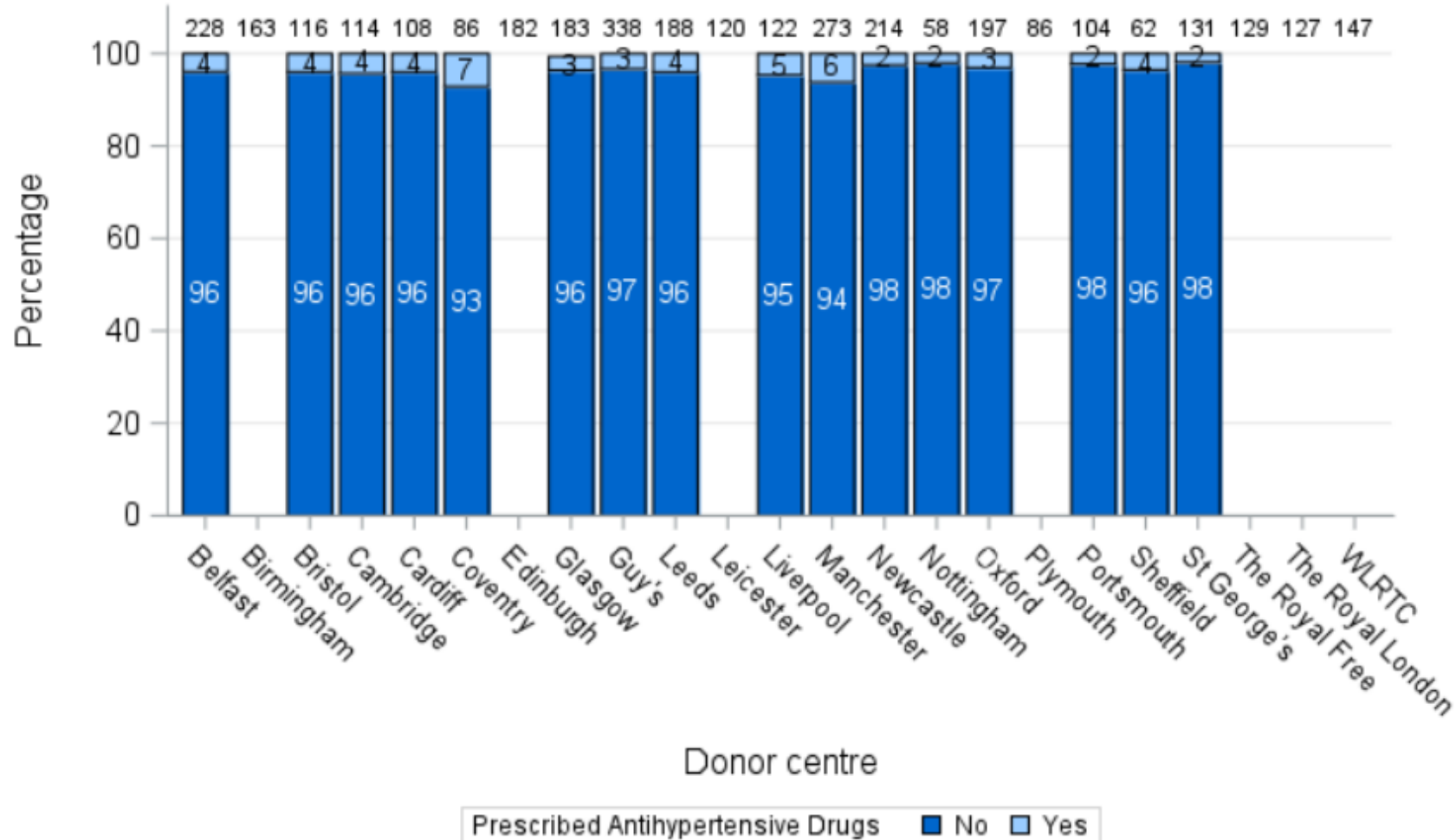
Reported Outcomes – Follow-up forms: Median eGFR (CKD-EPI)



Reported Outcomes – Follow-up forms: Median eGFR (CKD-EPI)

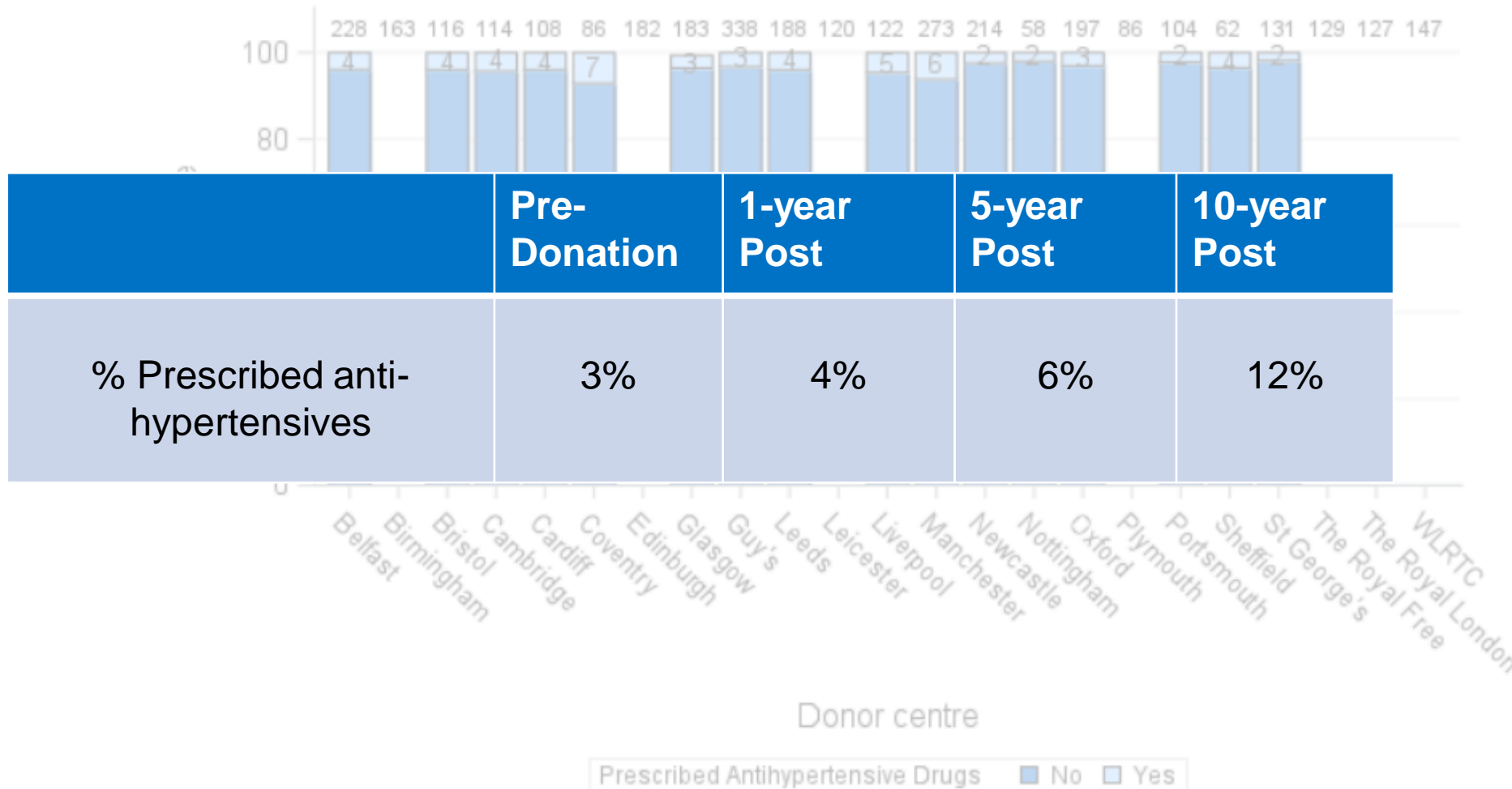


Reported Outcomes – Follow-up forms: Prescribed anti-hypertensives?



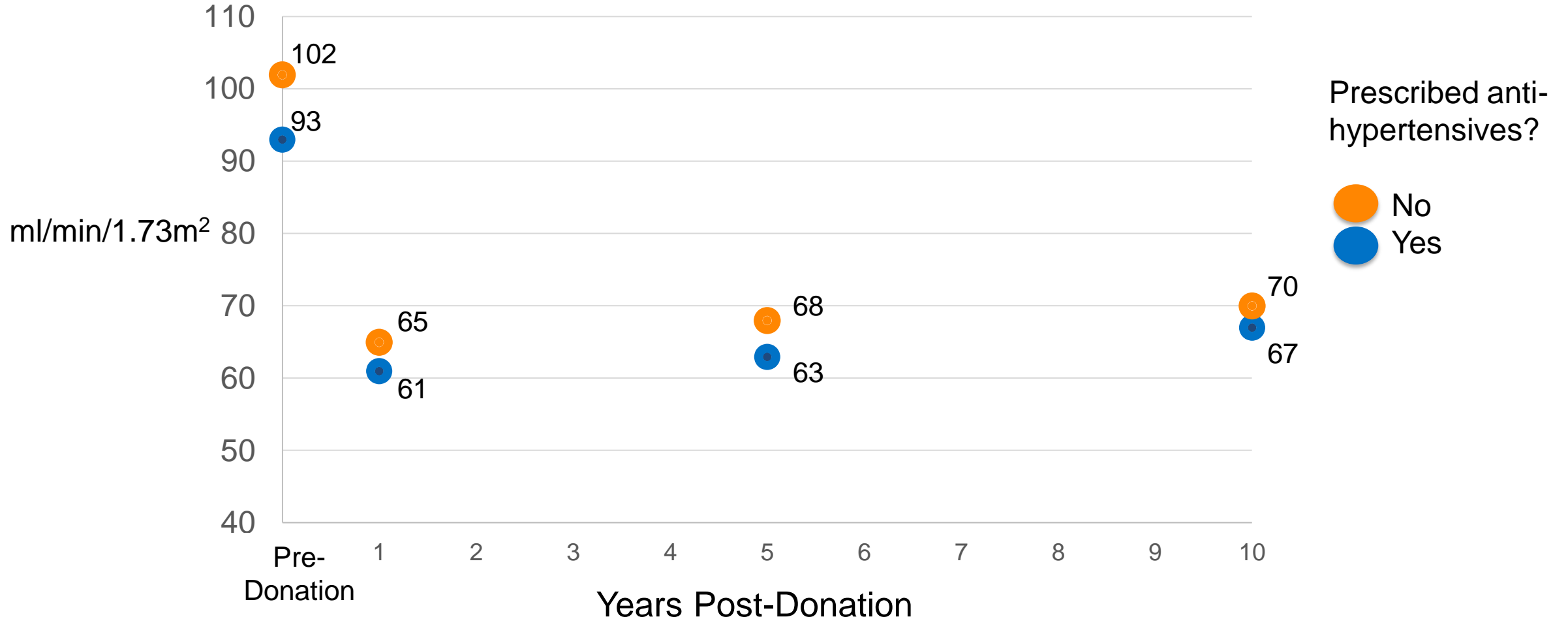
Percentages are omitted where less than 75% of data reported

Reported Outcomes – Follow-up forms: Prescribed anti-hypertensives?



Percentages are omitted where less than 75% of data reported

Reported Outcomes – Follow-up forms: Median eGFR (CKD-EPI)

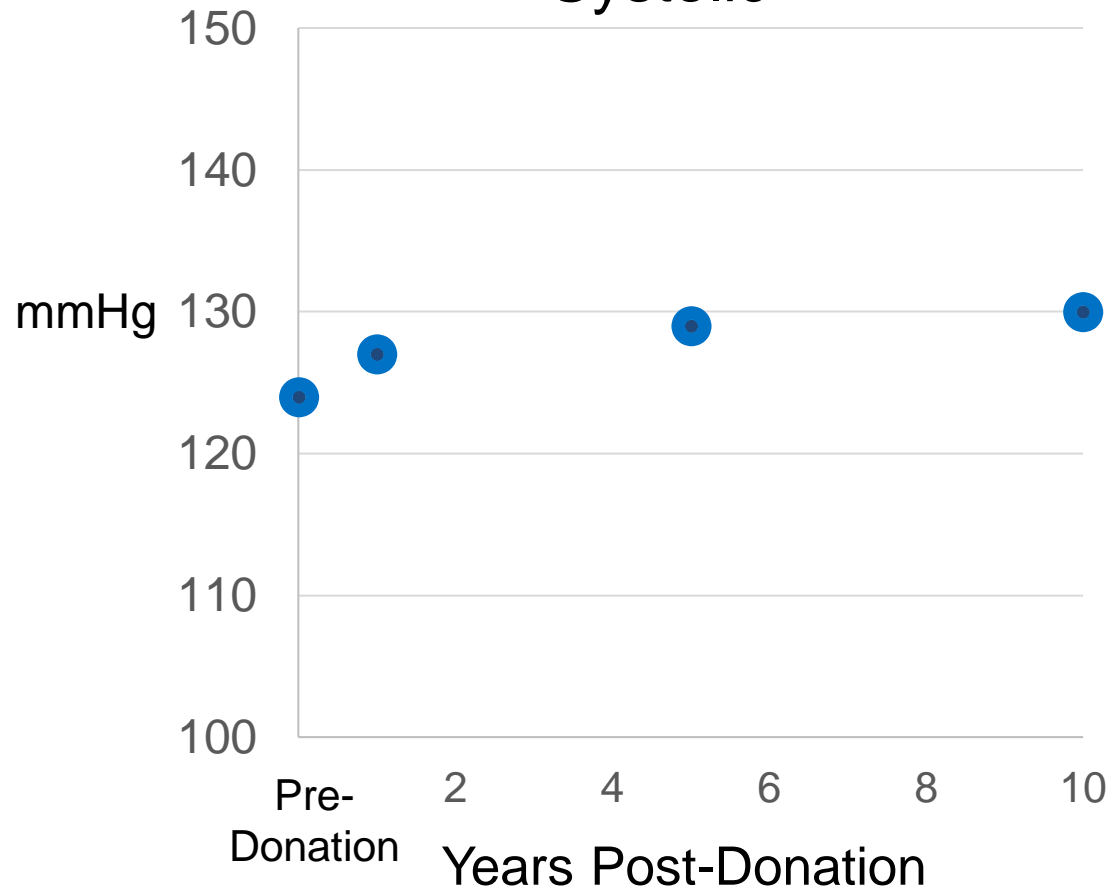


Reported Outcomes – Follow-up forms: BMI

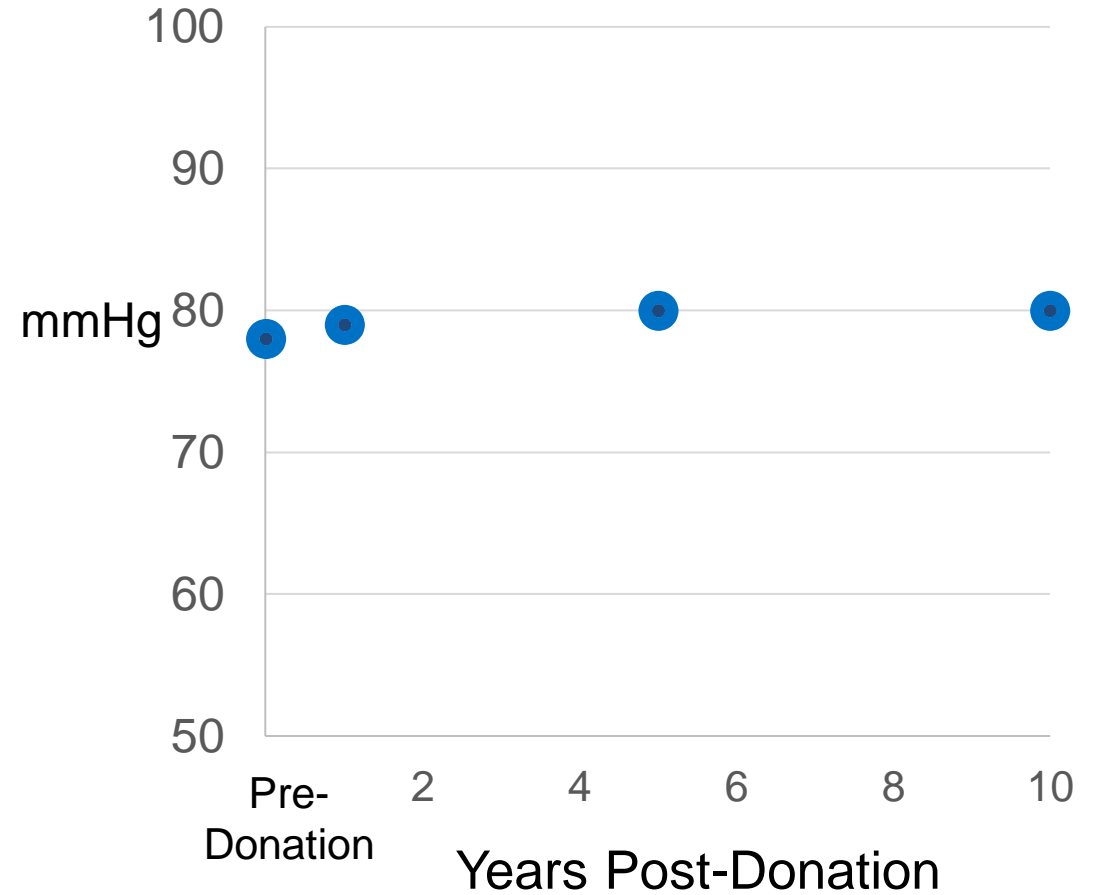
	Pre-Donation	1-year Post Donation	5-year Post Donation	10-year Post Donation
Median BMI kg/m ²	26.5	26.7	26.9	27.2
Data Completeness	82%	45%	32%	25%

Reported Outcomes – Follow-up forms: Blood Pressure

Systolic



Diastolic



Reported Outcomes – Follow-up forms: Proteinuria

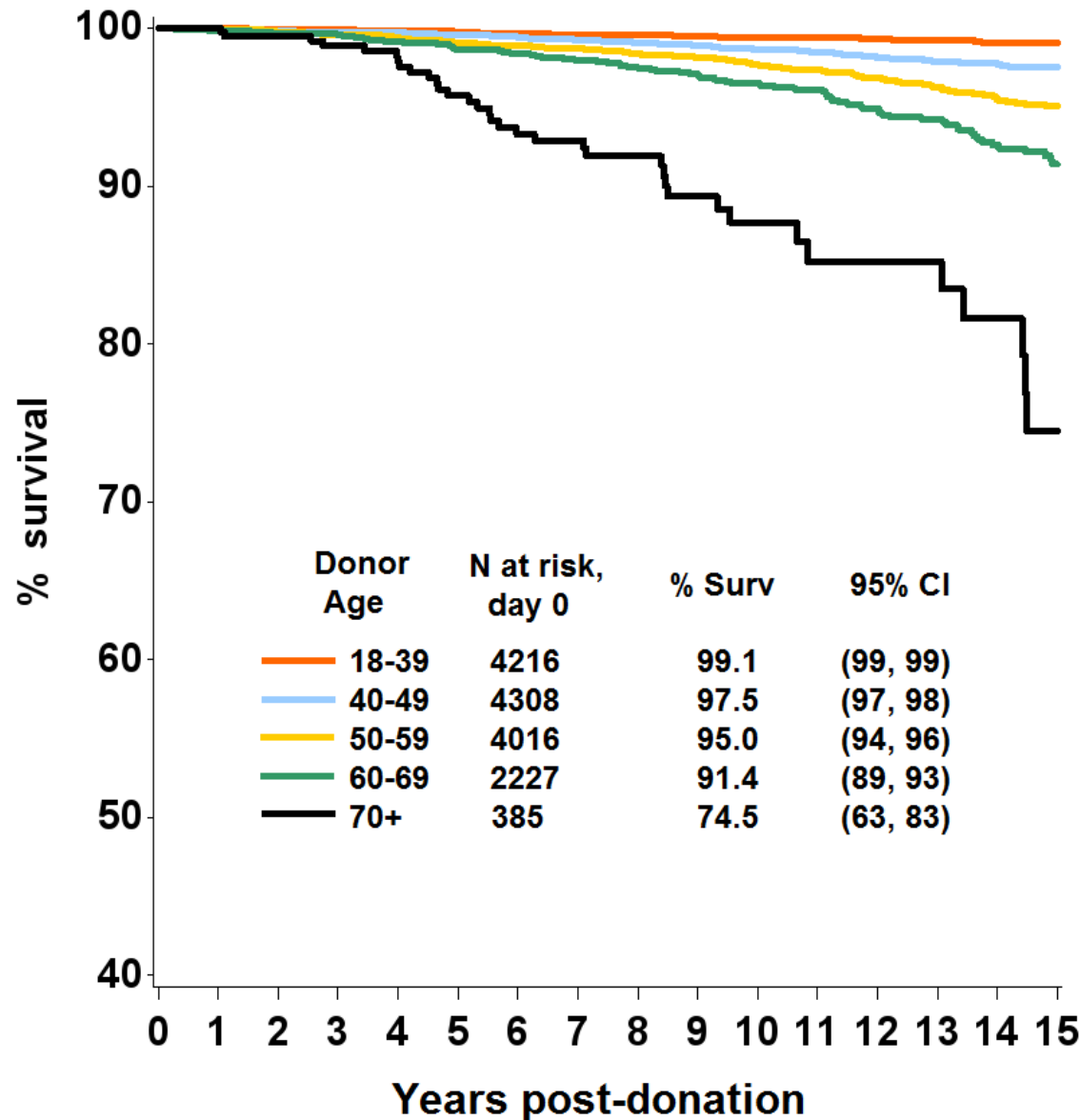
Dipstick Protein	1-year Post	5-year Post	10-year Post
% Positive	3%	3%	3%

	1-year Post	5-year Post	10-year Post
Median Proteinuria g/24hr (IQR)	0.7 (0.2 -1.7)	0.6 (0.2 – 6.2)	0.6 (0.2 - 2)

Resources

- LD annual follow-up form
- Linkage with NHS SPINE for mortality data

Donor Survival Outcomes - Post Donation



Living kidney donors in England and Wales, 2000-2022

N=15,153

10 deaths within 1 year post donation
 - 7 cases where cause of death available, none reported as associated with nephrectomy
 - 3 cases no cause of death available

1 death within 30 days

Resources

UK TRANSPLANT REGISTRY NHS
Blood and Transplant

DONOR REPORTED OUTCOME MEASURES (DROMS) SURVEY

• LD annual follow-up form

• Linkage with NHS SPINE for m...

• Donor Reported Outcome Measures - **DROMs**

DONOR REPORTED OUTCOME MEASURES (DROMS) SURVEY

Dear Donor,

We would be grateful if you could complete this short survey to help us understand more about your donation experience. Your information will be held by NHS Blood and Transplant in the UK Living Donor Registry to help monitor the wellbeing of kidney donors over time and also inform people who are considering donating a kidney about what to expect. Thank you for your support.

ABOUT YOUR DONATION (Please answer all questions unless indicated) Section 2

- How would you rate your health on a scale of 1-10 where 1 is "very poor" and 10 is "excellent"?
Please circle: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Don't know Not applicable
- How would you rate your need to sleep on a scale of 1-10 where 1 is "almost all the time" and 10 is "as much as I expect"?
Please circle: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Don't know Not applicable
- How would you rate the way you feel about your eating on a scale of 1-10 where 1 is "poor" and 10 is "great"?
Please circle: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Don't know Not applicable
- Do you feel that your health has had a negative impact on your family or social life on a scale of 1-10 where 1 is "significant effect" and 10 is "not at all"?
Please circle: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Don't know Not applicable
- How positive are you about your future on a scale of 1-10 where 1 is "not at all" and 10 is "very positive"?
Please circle: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Don't know Not applicable
- Overall, what do people in your life think of you related to your decision to donate, on a scale of 1-10 where 1 is "they think very poorly of me" and 10 is "they think very highly of me"?
Please circle: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Don't know Not applicable
- What is your view of your body image on a scale of 1-10 where 1 is "poor" and 10 is "excellent"?
Please circle: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Don't know Not applicable
- What is your partner's perception (if applicable) of your body image on a scale of 1-10 where 1 is "poor" and 10 is "excellent"?
Please circle: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Don't know Not applicable

Resources

- LD annual follow-up form

- Linkage with NHS SPINE fo

- Donor Reported Outcome Measures - DROMS

- Donor Reported Experience Measures - **DREMs**

UK TRANSPLANT REGISTRY

DONOR REPORTED EXPERIENCE MEASURES (DREMS) SURVEY

Please return data to ODT Hub: Information Services along with Kidney Living Donor Assessment Follow-Up (FRM4191) form as appropriate. Data will be collected at 1 year post donation.

DONOR REPORTED EXPERIENCE MEASURES (DREMS) SURVEY

Section 6

GENERAL FEEDBACK

1. Was the donation process as you expected?
 Yes No
 If no, please comment on why the process was not as you expected it to be

2. Overall, how would you rate the care and support you received from your care team at each of the following stages?

a) Pre-donation
 Please circle: Very poor 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Excellent Don't know Not applicable

b) Assessment
 Please circle: Very poor 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Excellent Don't know Not applicable

c) Hospital stays
 Please circle: Very poor 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Excellent Don't know Not applicable

d) Within 0-3 months of donation
 Please circle: Very poor 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Excellent Don't know Not applicable

e) Between 4-12 months post-donation
 Please circle: Very poor 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Excellent Don't know Not applicable

3. How would you rate your overall donation experience?
 Please circle: Very poor 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Excellent Don't know Not applicable

4. Do you have any suggestions that could have improved your living donation experience?

Development of DROMs and DREMs

Forms developed by members of the donor safety and welfare workstream on behalf of the LDKT 2020 Strategy Implementation Group

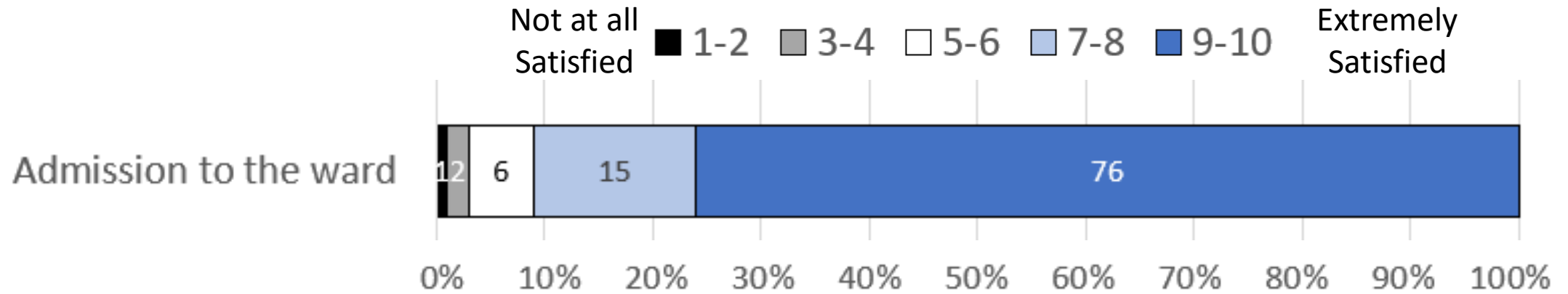
	Donor Reported Outcome Measures (DROMs)	Donor Reported Experience Measures (DREMs)
Development by	LDKT Strategy Implementation Sub-group, Vassilios Papalois, Maria Thedosopoulou	LDKT Strategy Implementation Sub-group, Janine Hawkins, David Wellsted
Forms live	2019	2020
Collected at	Pre-donation, 1 and 5 years post- donation	1 year post-donation

DROMs and DREMs data collection

- Paper forms
- Rely on centres to give to donors to complete, with forms returned via the centres
- Completed forms entered on to a spreadsheet by OTDT Hub Information Services and linked to UK Transplant Registry by Statistics team
- Returns: DROMs at 1 year - 371 (17%)
DREMs - 486 (23%)

Short Term Experience – Hospital Stay

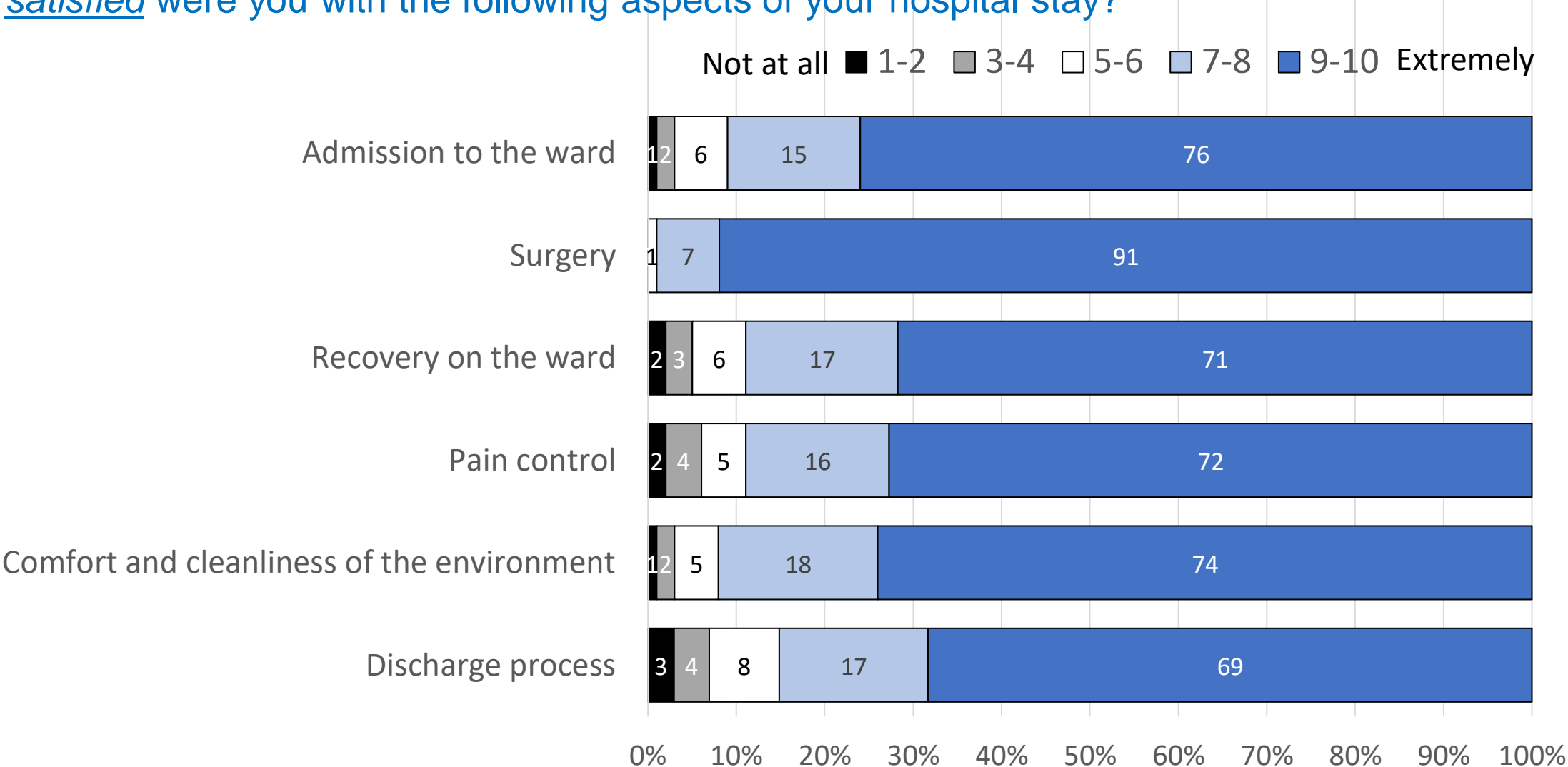
How satisfied were you with the following aspects of your hospital stay?



Short Term Experience – Hospital Stay

Blood and Transplant

How *satisfied* were you with the following aspects of your hospital stay?

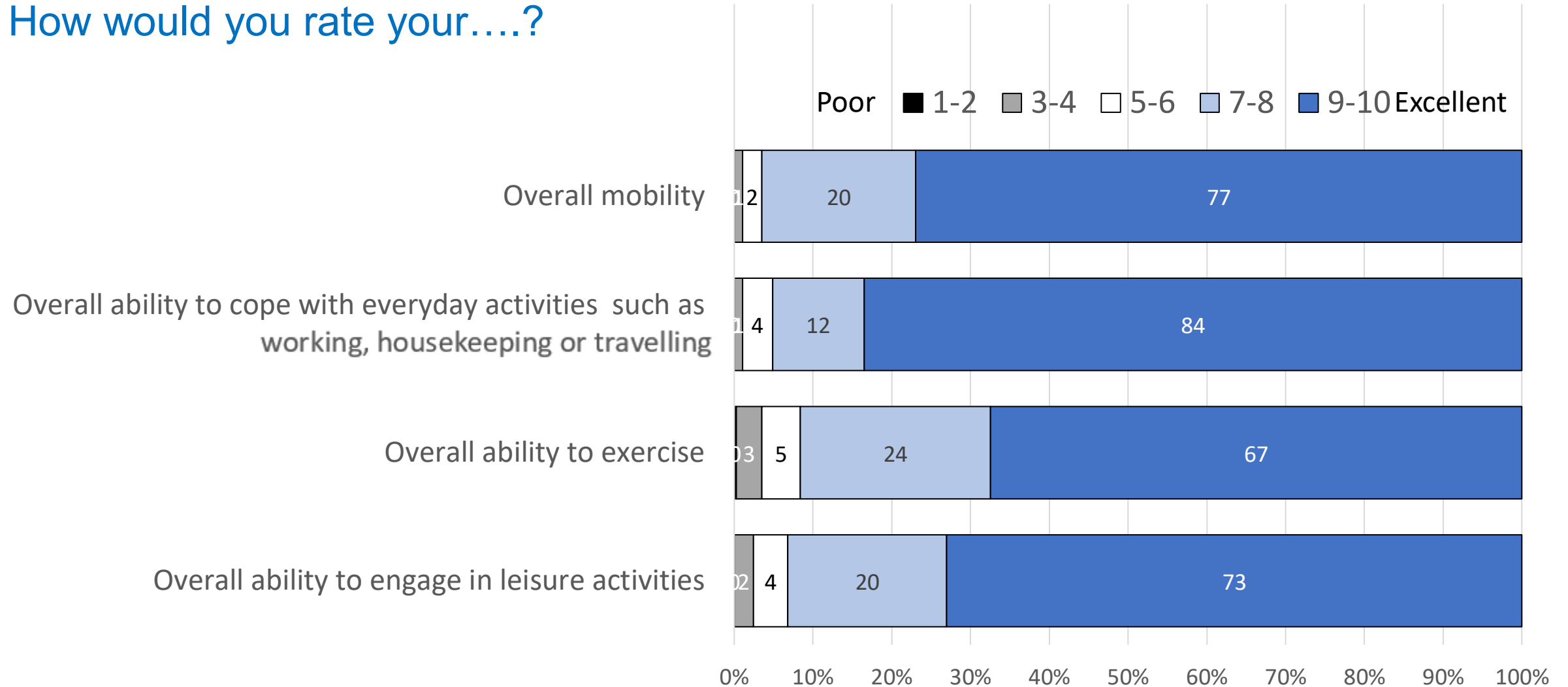


N=481

1 Year Outcomes – Return to Normal Activity

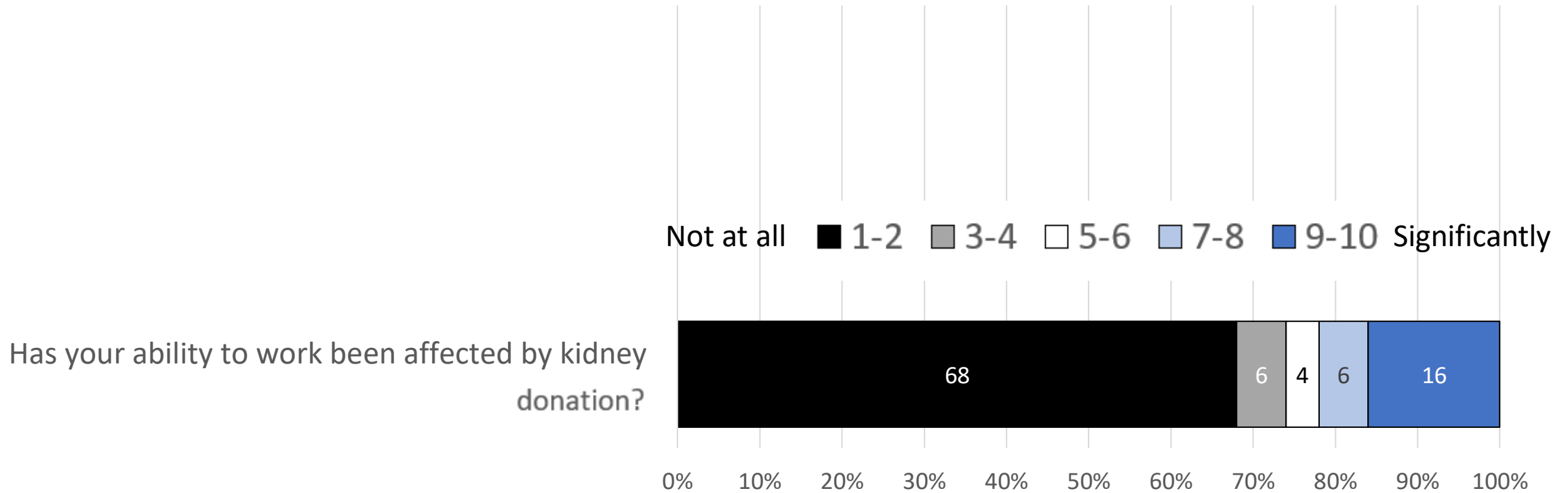
Blood and Transplant

How would you rate your....?



N=371

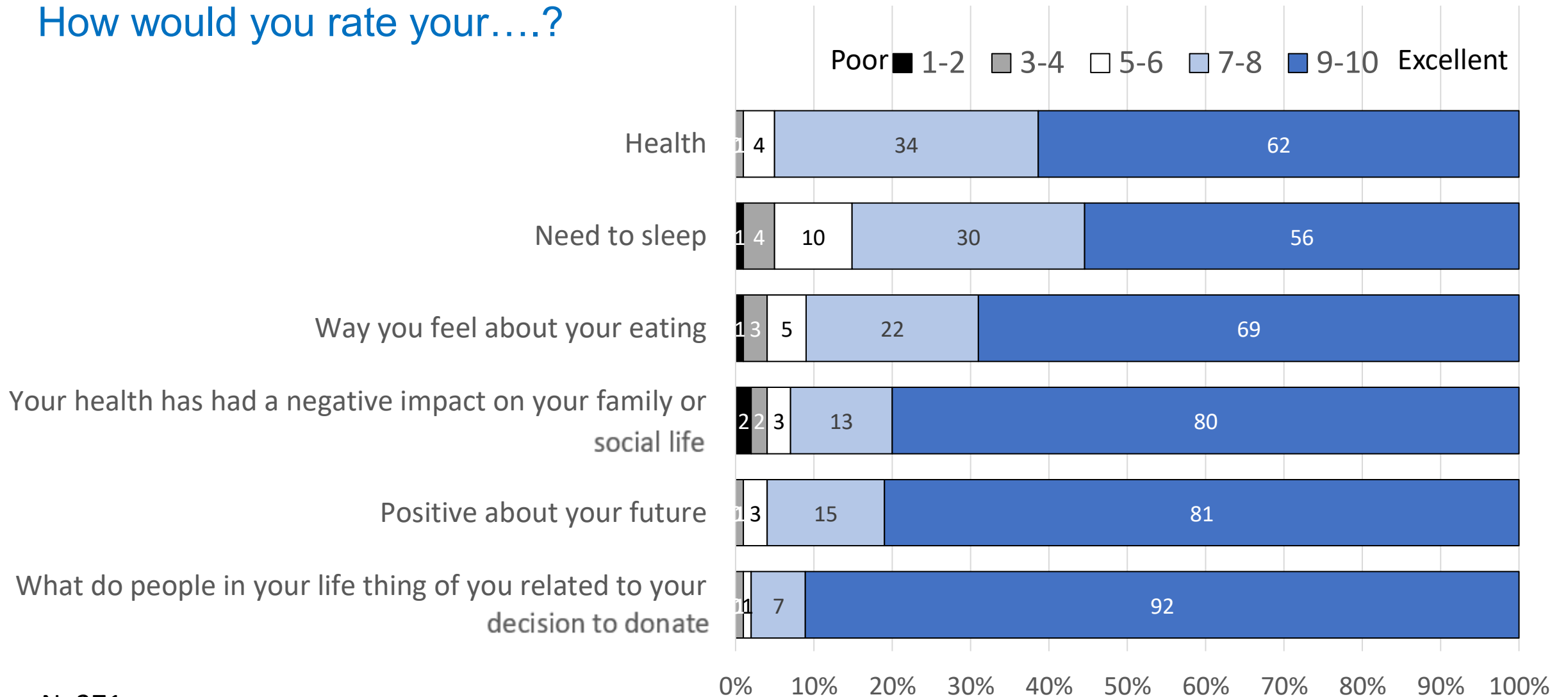
1 Year Outcomes – Return to Normal Activity



N=371

Quality of Life – 1 Year Post donation

How would you rate your....?



N=371

Online Resources



The cover of the UK LKD Network Newsletter for December 2022, Issue 16. It features logos for The Renal Association (founded 1950), NHS Blood and Transplant, and the British Transplantation Society (BTS). The title is 'UK LKD Network Newsletter'. The content includes an introduction, a welcome message, and details about an upcoming face-to-face meeting on Wednesday 10th May 2023. It also mentions a focus on donor GFR measurement, hypertension, and BMI, and a focus on travel for transplantation. A seasonal greeting image with the text 'Season's Greetings' is included. The newsletter is signed by Colin Geddes and John Stoves.

THE RENAL ASSOCIATION
founded 1950

NHS
Blood and Transplant

BTS
British Transplantation Society
The Journal of Transplantation Medicine

December 2022 • Issue 16

UK LKD Network Newsletter

INTRODUCTION

Dear Colleagues,

Welcome to the December Network Newsletter.

We are looking forward to the next UK Living Kidney Donation (LKD) Network face-to-face meeting, 10am to 4:45pm on Wednesday 10th May 2023. The programme will be wide-ranging and include an overview of variation in the living donor workforce across transplanting and non-transplanting centres, linking this to commissioning of living donor services. For the latter, we will explore how business cases for living donor co-ordinator workforce expansion can be supported, and how this can help to help to raise the profile of living donor transplantation in renal centres and generate significant increases in living donation activity.

We will also explore some controversies within living kidney donation, including the interpretation of donor GFR measurement (with split function) and the approach to donor hypertension/raised BMI. We will also present an overview of trends in living donation, including activity within the UK Living Donor Sharing Scheme and a focus on travel for transplantation.

Season's Greetings to you all, and we look forward to our next national face-to-face gathering in May!

Season's Greetings

Colin Geddes
- UK LKD Network Co-Chair, UK Kidney Association (UKKA) Lead

John Stoves
- UK LKD Network Co-Chair, Clinical Lead Bradford Teaching Hospitals and KAG Representative for Non-Transplanting Centres



NHS
Blood and Transplant



December 2022 • Issue 16

UK LKD Network Newsletter

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- UK LKD Network Co-Chair, UK Kidney Association (UKKA) Lead

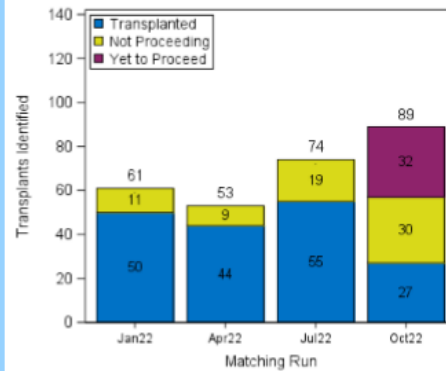
John Stoves
- UK LKD Network Co-Chair, Clinical Lead Bradford Teaching Hospitals and KAG Representative for Non-Transplanting Centres

UK Living Kidney Sharing Schemes Performance Figures



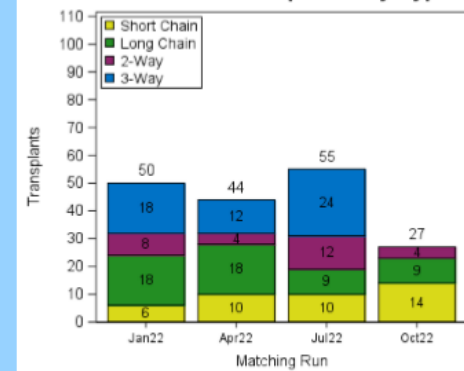
Blood and Transplant

Paired Donation Transplants Identified

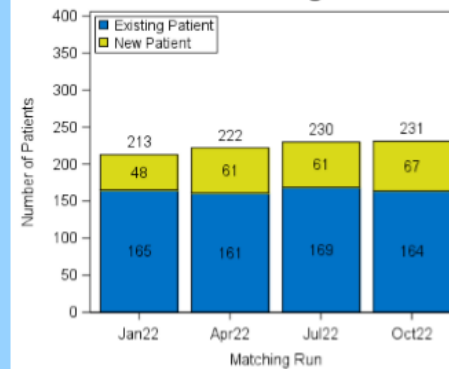


	Total May 2007 - Oct 2022
Pairs Registered	3364
Patients Registered	3041
Altruistic Donors in Paired Donation Matching Runs	506
Compatible Pairs Registered	314
Transplants	1686

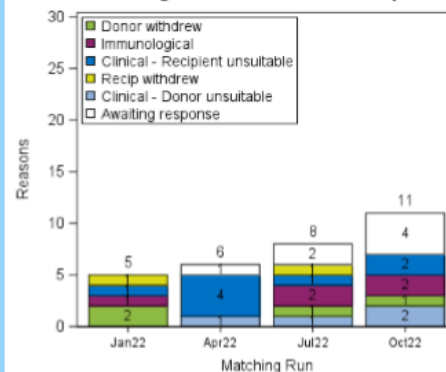
Paired Donation Transplants by Type



Patients in Each Matching Run

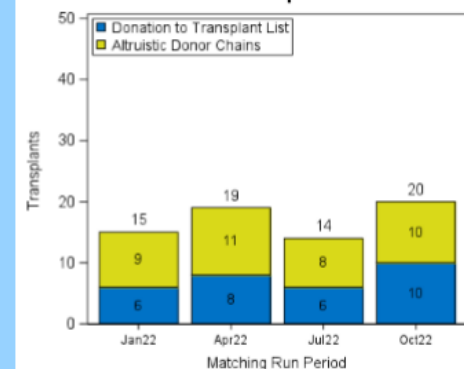


Non Proceeding Paired Donation Transplants



UKLKSS Records	In a Matching Run
Pairs Included	313 (Apr 2019)
Patients Included	287 (Apr 2019)
Altruistic Donors Included	29 (Feb 2020)
Transplants Identified	97 (Apr 2019)
Transplants Proceeded	72 (Apr 2019)

Altruistic Donor Transplants



Note: each reason may account for multiple transplants

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UK Living Kidney Donation Network

The UK Living Kidney Donation Network (UKLKD Network) is a multi-disciplinary network with representation from nephrology, specialist nursing, transplant surgery and histocompatibility and immunogenetics.

It aims to support best practice in living donor kidney transplantation in transplant centres and referring renal units across all four UK countries.

Network meetings

May 2023



April 2022



In this section

[Living donor kidney transplantation](#)

[UK Living Kidney Sharing Scheme](#)

[UK Living Kidney Donation Network](#)

[Living donor liver transplantation](#)

[Critical incident reporting](#)

[Tools and resources](#)

Online resources – Reports

ODT CLINICAL

Your search here

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- Retrieval
- Transplantation
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- Information for patients
- ODT structure & standards

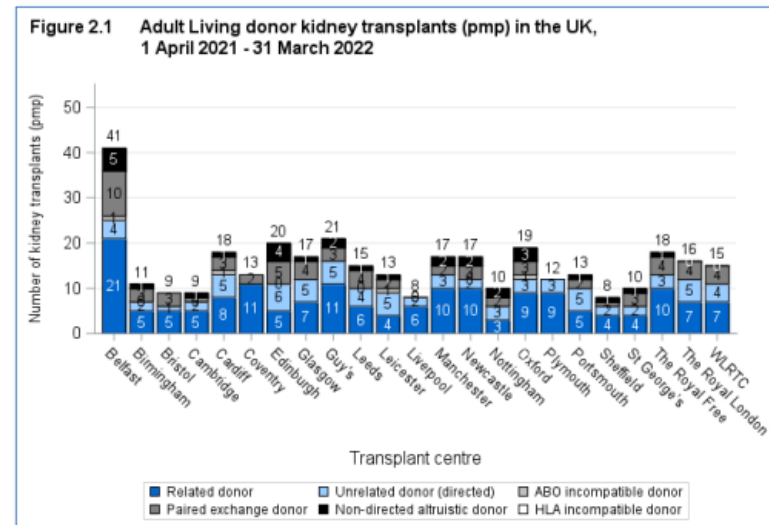
Home / Statistics and reports

Statistics and reports

Downloadable statistics and information about accessing further data and resources

These pages contain all the latest reports and presentations from the Statistics team at NHS Blood and Transplant including Activity Report, Organ Specific Reports and Performance Reports. You will find links to these pages from other areas of the website. All reports are collated here for ease of reference. We also retain archived reports so that historic data are available.

Figure 2.1 shows the number of adult living donor kidney transplants per million population (pmp) that were performed in 2021/22 in each transplant centre. Belfast had the highest rate of adult living donor kidney transplants per million population.



<https://www.odt.nhs.uk/statistics-and-reports/>

Summary

- Living donor kidney transplant activity continues to recover with 2021/22 data at 88% of activity in 2019/20. It accounts for 32% of overall kidney transplant activity
- Outcomes following donation are excellent, however follow-up data for 5 and 10 years post-donation is less complete
- Donor Reported Outcome Measures (DROMs) and Donor Reported Experience Measures (DREMs) data highlight areas of positive experience for donors and inform areas for future improvement

Acknowledgements

- Statistics and Clinical Research
 - Lisa Mumford
 - Maria Jacobs
- OTDT Hub Information Services
 - Matt Secker
 - Sam Thomas
 - Shakil Miah
 - Dave Jackson
 - Sarah Grain
- Lisa Burnapp
- Mike Gumn
- LDKT 2020 Strategy Implementation Group
- Vassilios Papalois
- Maria Thedosopoulou (Imperial College London)
- Janine Hawkins (University of Hertfordshire)
- David Wellsted (University of Hertfordshire)
- Jan Shorrocks
- Fiona Loud
- Lisa Silas