

A thick blue wavy line that starts on the left, dips down, and then rises towards the right, spanning the width of the slide.

The latest trends in organ donation and kidney transplantation in the UK

Matthew Robb
Statistics and Clinical Studies
NHS Blood and Transplant

Outline

- Trends in deceased organ donors and transplants
- Overview of kidney transplantation in the UK
 - Deceased donor kidney transplants
 - Living donor kidney transplants
 - Post transplant outcomes

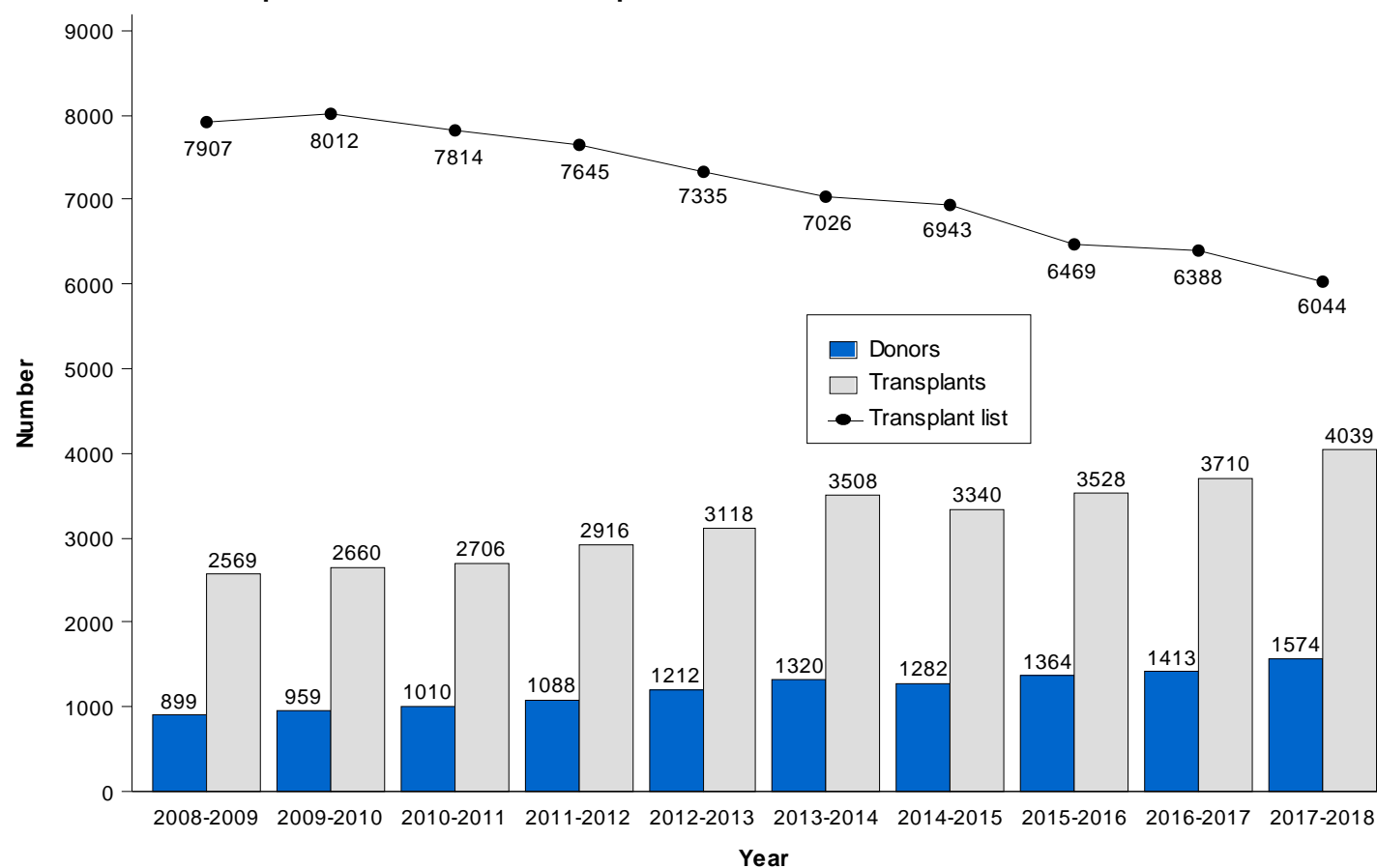
Trends in deceased organ donors and transplants

A decorative graphic at the bottom of the slide consisting of two overlapping wavy lines in shades of blue, creating a sense of movement and depth.

Deceased donors and transplants

Highest number of deceased donors in the UK last year - 1574 -
resulting in 4039 transplants

Figure 2.1 Number of deceased donors and transplants in the UK, 1 April 2008 - 31 March 2018, and patients on the active transplant list at 31 March



Since Organ Donation
Taskforce
Recommendations
(2007/8):

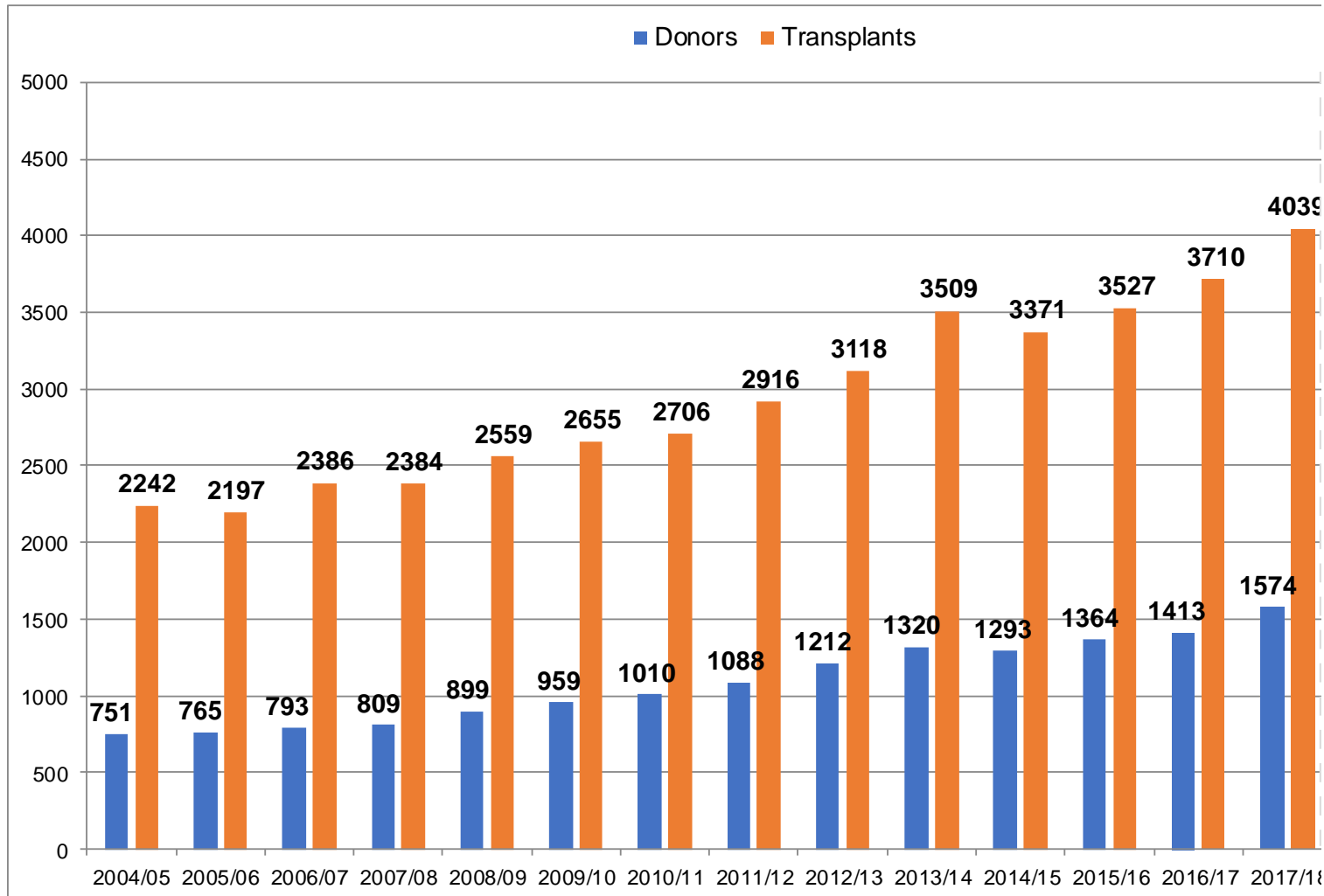
21% decrease in
waiting lists

69% increase in
transplants
(all organs)

95% increase in
deceased organ
donors

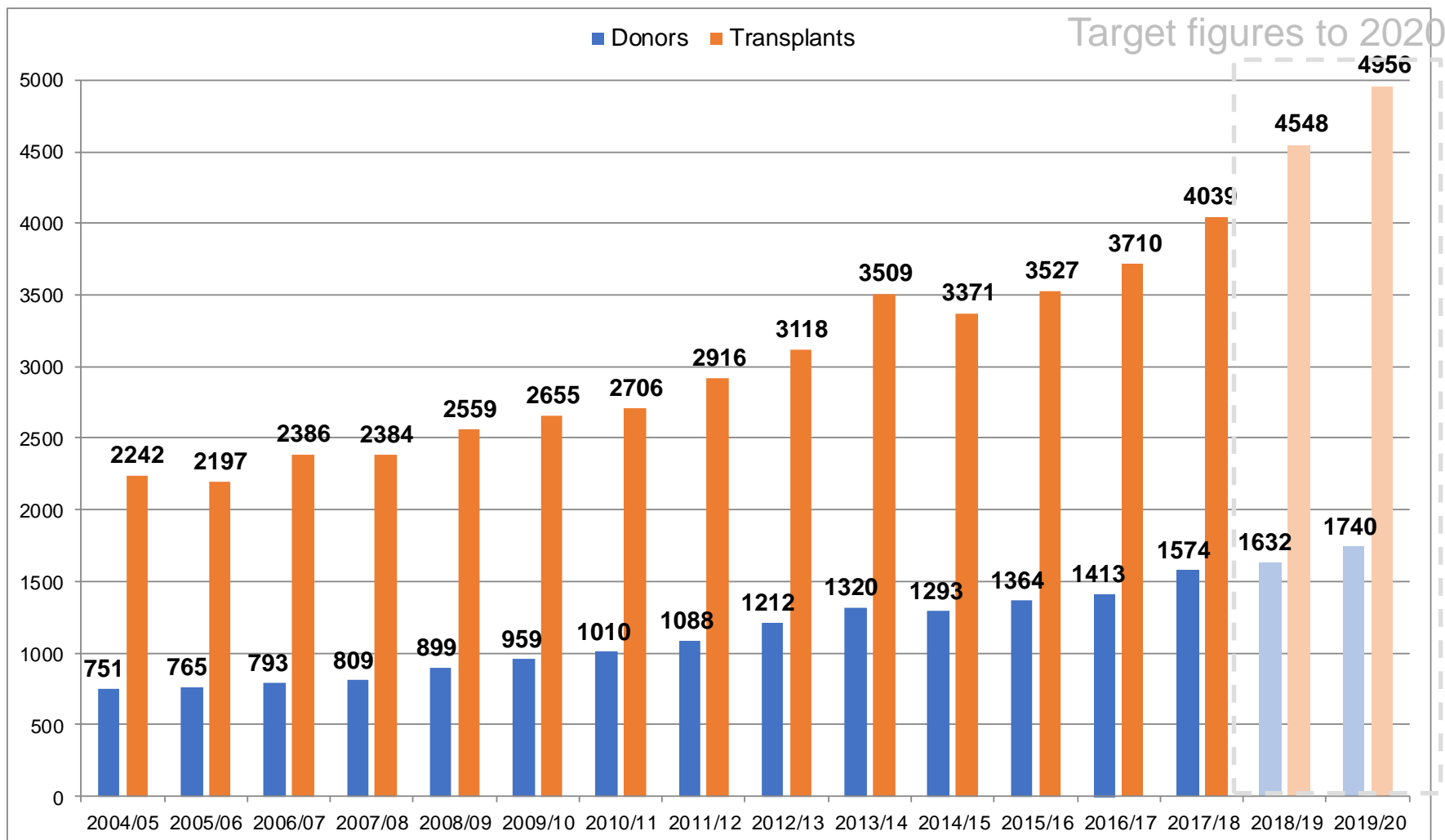
UK Strategy – *Taking Organ Transplantation to 2020*

Targets for deceased donors and transplants



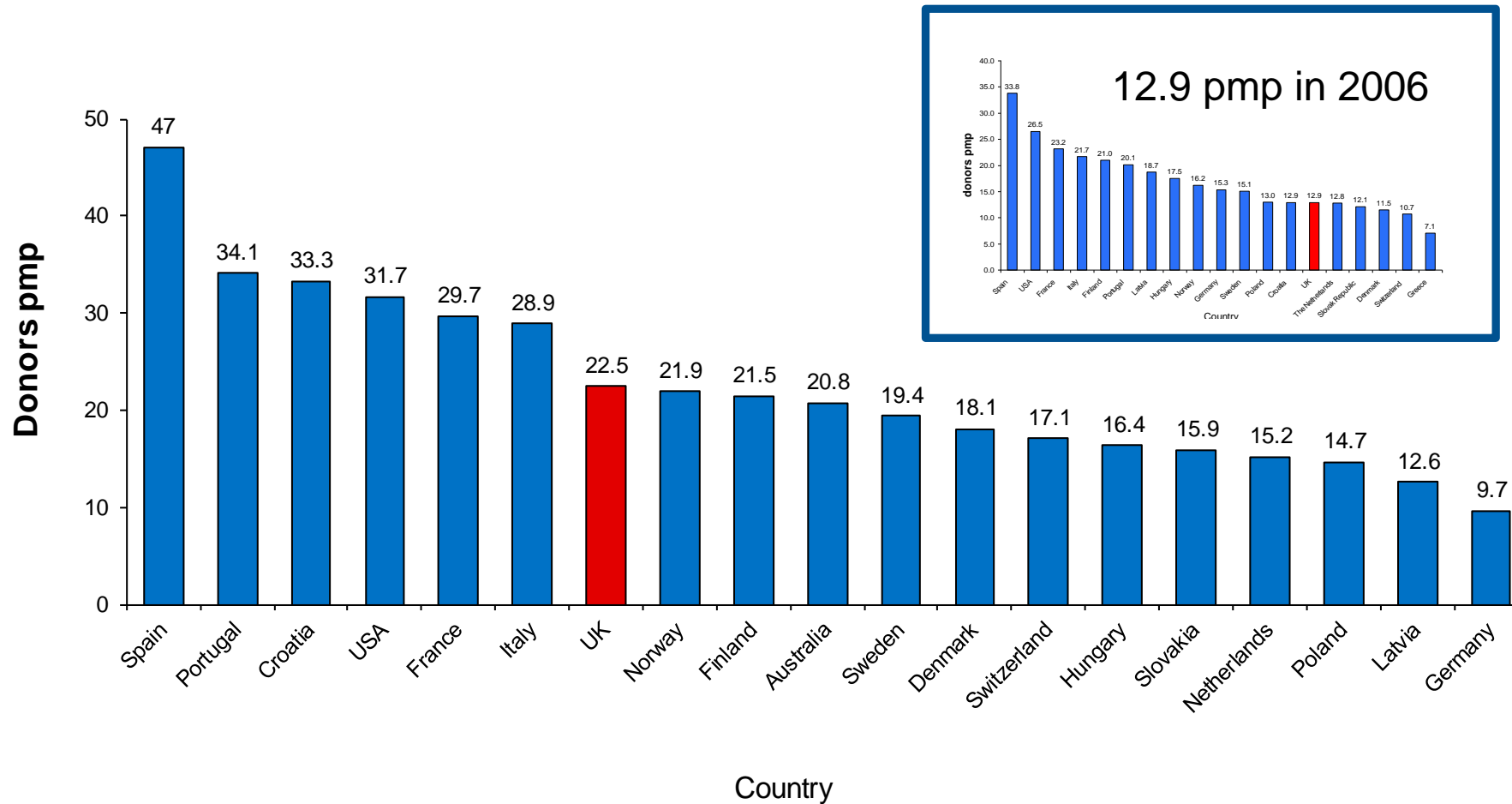
UK Strategy – *Taking Organ Transplantation to 2020*

Targets for deceased donors and transplants

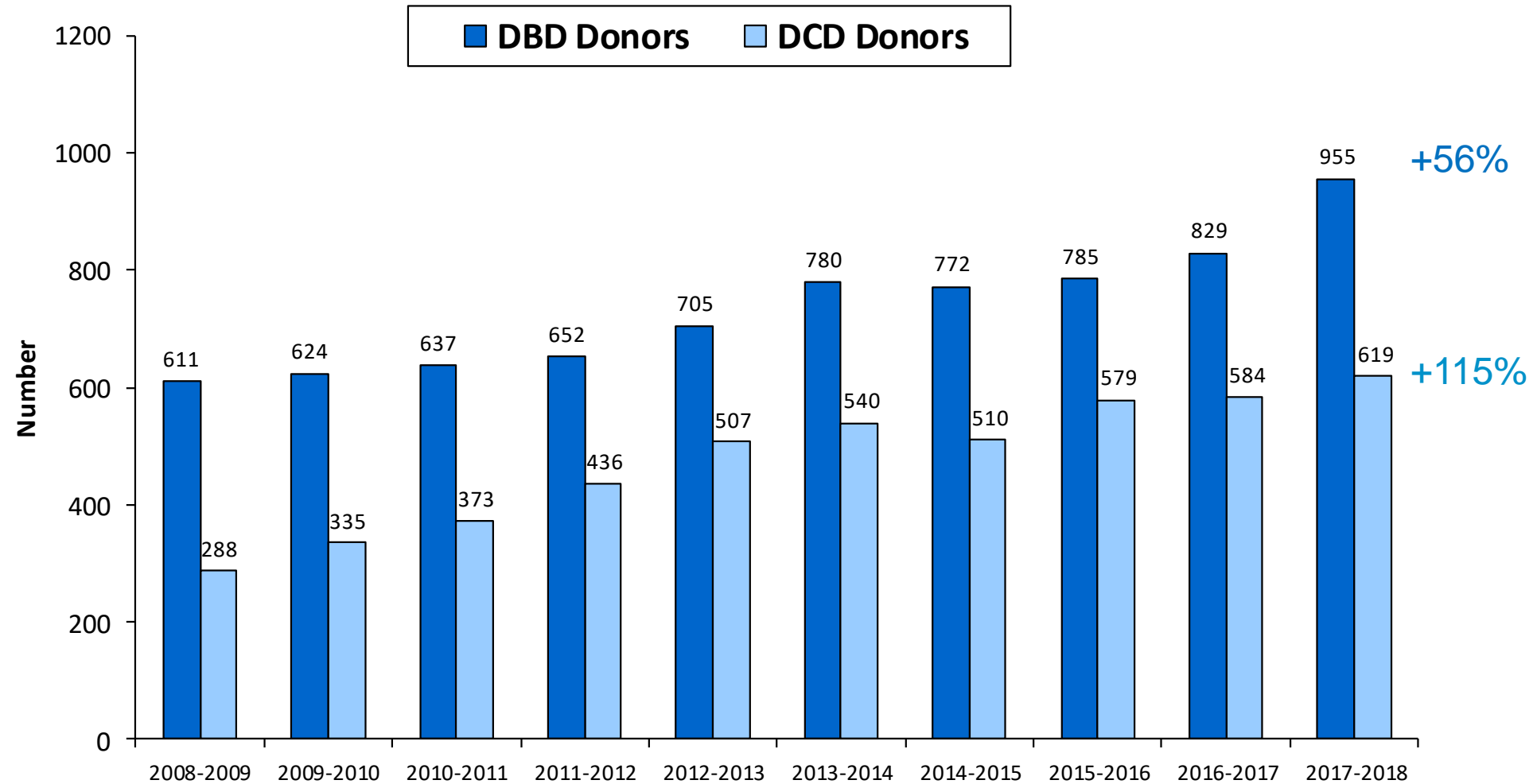


International comparisons – Deceased donor rates in 2017

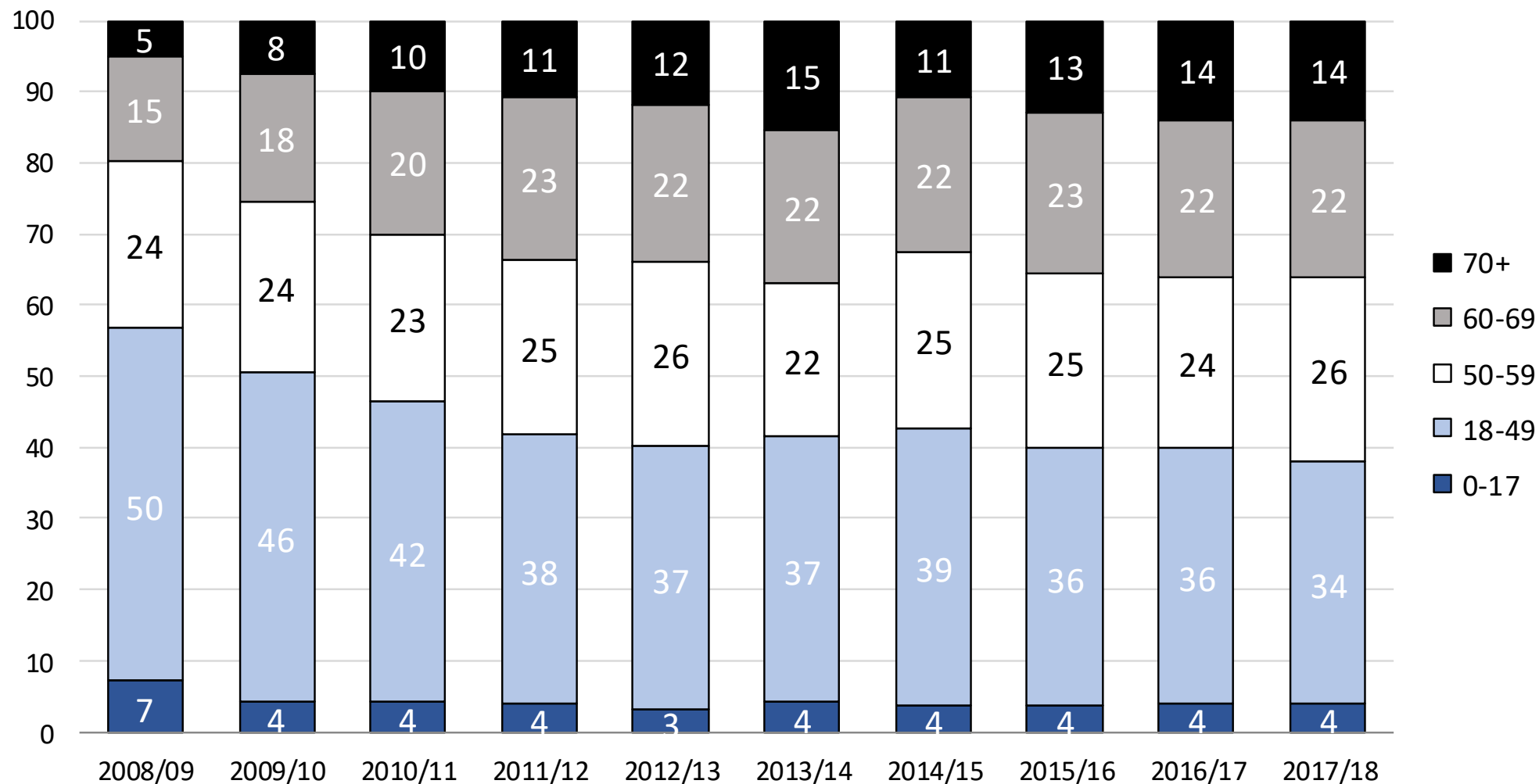
Deceased organ donor rates for Europe, Australia and the USA, 2017



DBD vs DCD donors

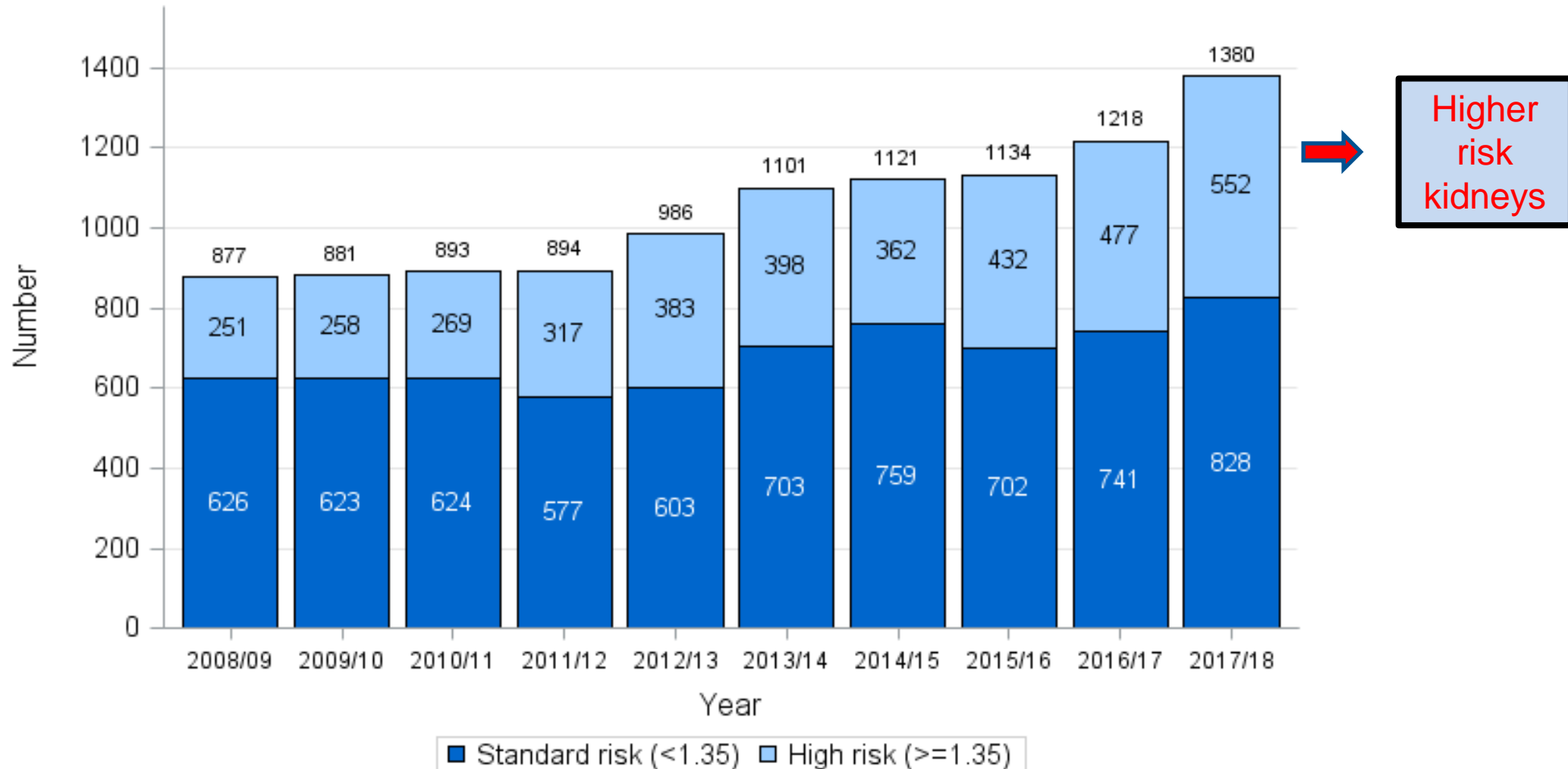


Age of deceased donors



UK Kidney Donor risk index of transplanted DBD kidneys

Figure 5.10 UK Kidney Donor Risk Index of transplanted DBD donor kidneys
1 April 2008 - 31 March 2018



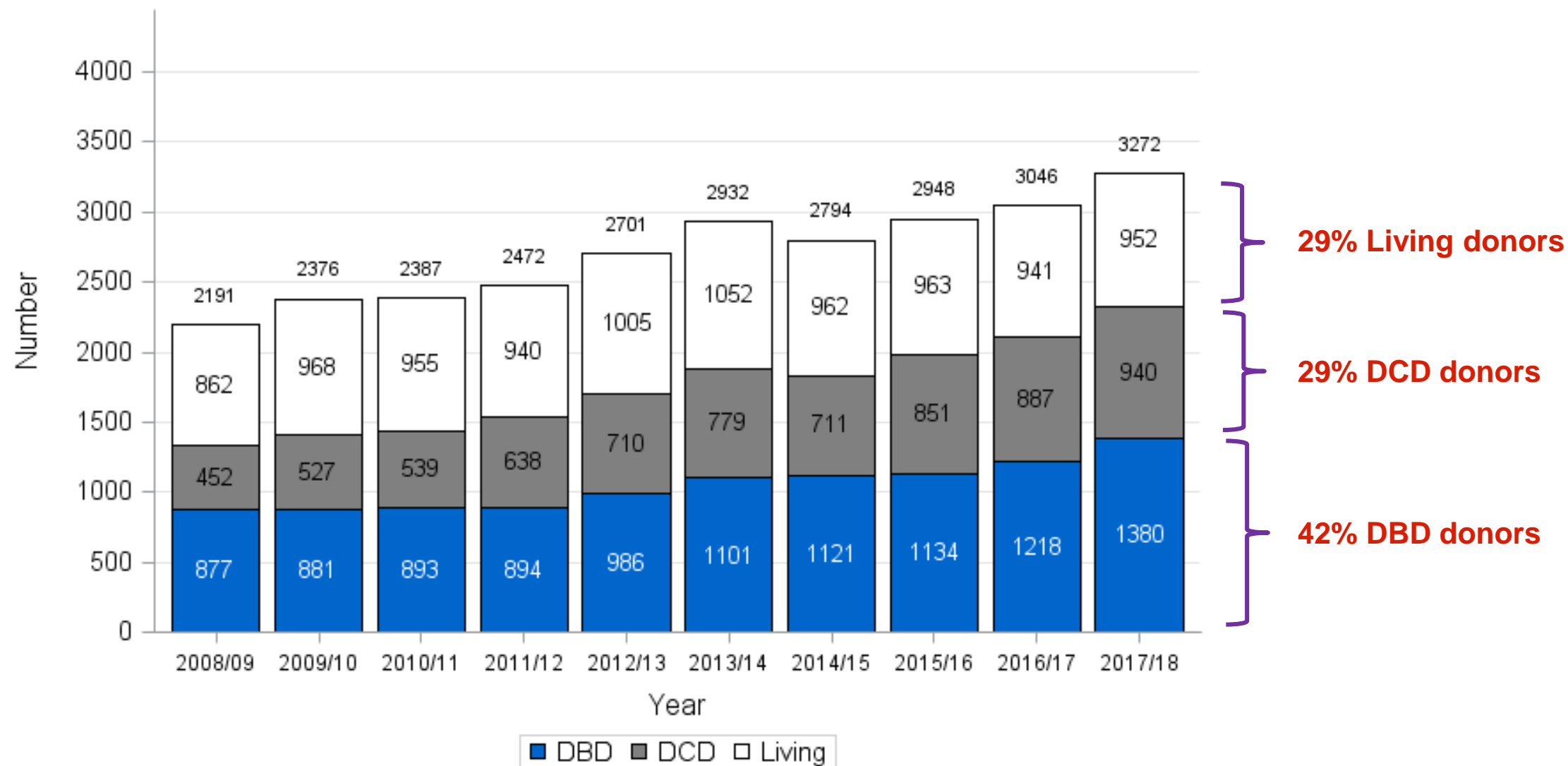
Increase in deceased donors this year?

DONOR AND TRANSPLANT ACTIVITY			
	<i>Current year</i> (01.04.18 - 30.12.18)	<i>Previous year</i> (01.04.17 - 30.12.17)	<i>% Change*</i>
ORGAN DONORS			
Donors after brain death (DBD)	723	675	7.1
Donors after circulatory death (DCD)	446	446	0
Total deceased donors (DD)	1169	1121	4.3

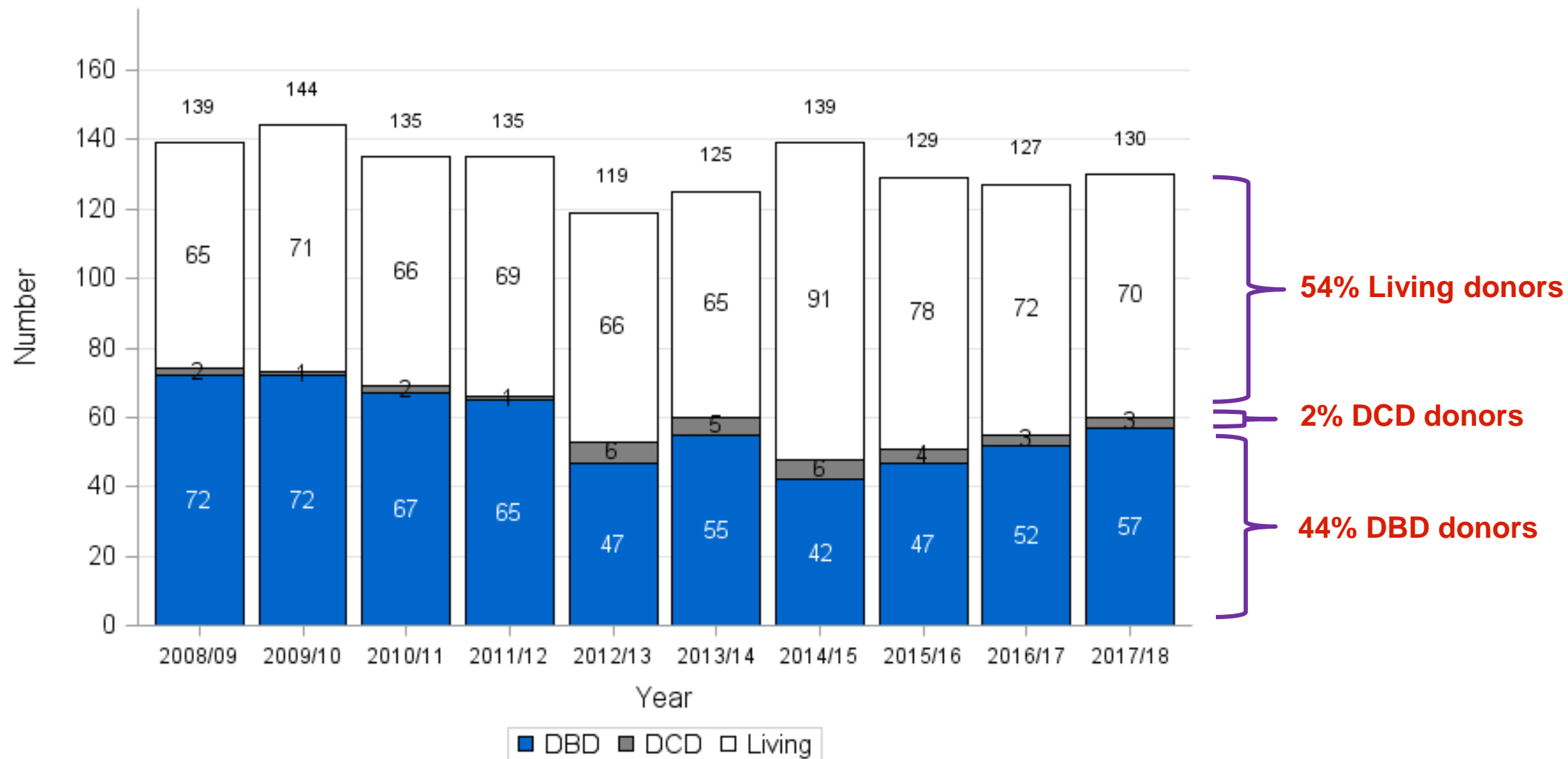
Taken from the weekly statistics : www.odt.nhs.uk

Kidney transplantation in the UK

Total adult kidney only transplants



Total paediatric kidney transplants

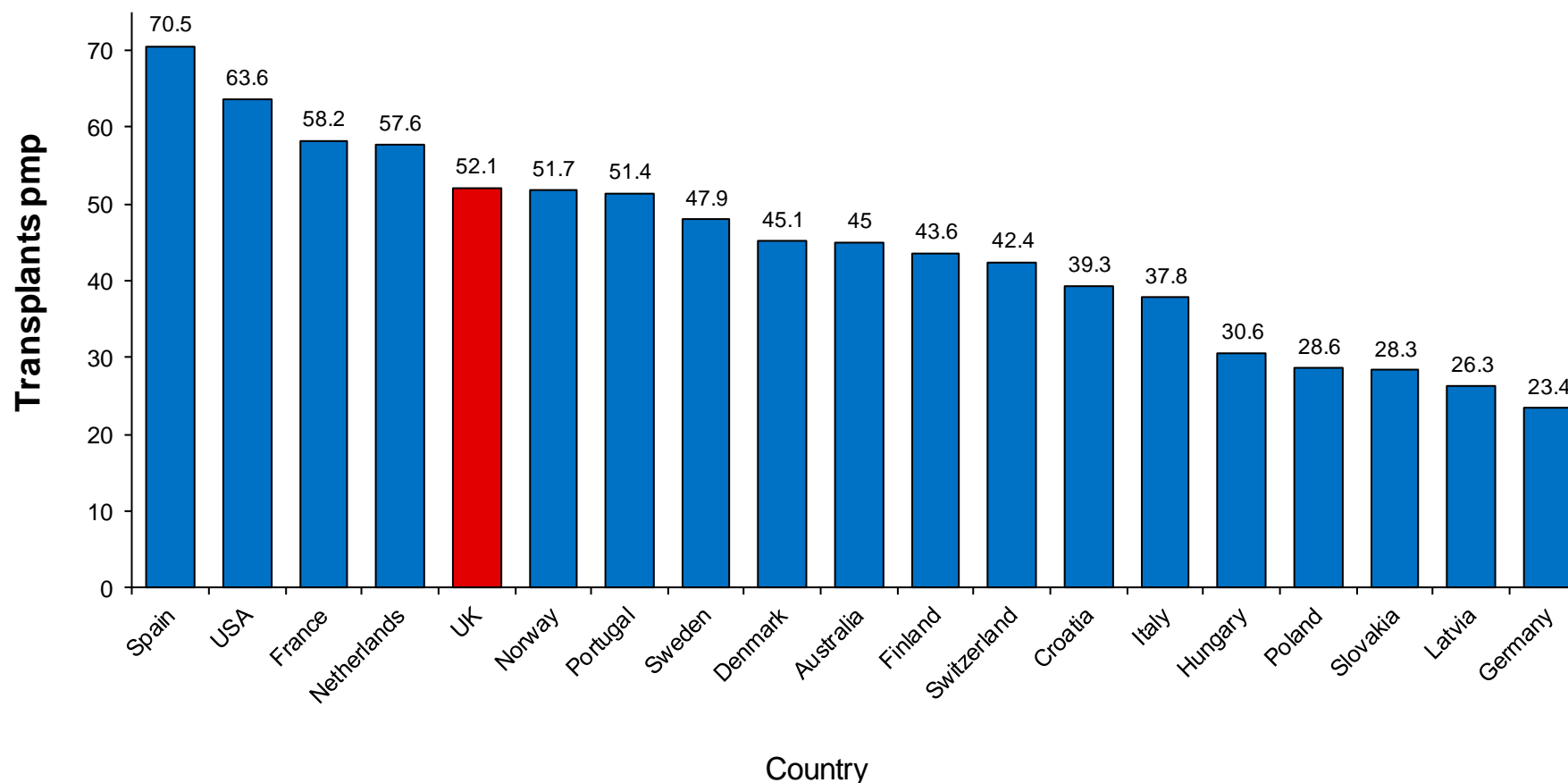


Kidney transplant rates this year?

DONOR AND TRANSPLANT ACTIVITY			
	<i>Current year</i> (01.04.18 - 30.12.18)	<i>Previous year</i> (01.04.17 - 30.12.17)	% Change ²
ORGAN TRANSPLANTS			
Deceased donors (DD)			
Kidney	1722	1698	1.4
Pancreas	14	10	40
Kidney/pancreas ⁷	132	123	7.3
Pancreas islets	14	14	0
Heart ⁶	129	139	-7.2
Lung(s)	125	143	-12.6
Heart/lung	2	8	
Liver/lobe ⁶	742	710	4.5
Intestinal	16	16	0
Other (multi-organ)	8	13	
Total DD transplants	2904	2874	1
Living donor (LD) - 1 mth in arrears ⁴			
Kidney	682	688	-0.9
Liver	12	22	-45.5
Lung	0	0	
Intestinal	0	1	
Total LD transplants	694	711	-2.4

Kidney transplant rates

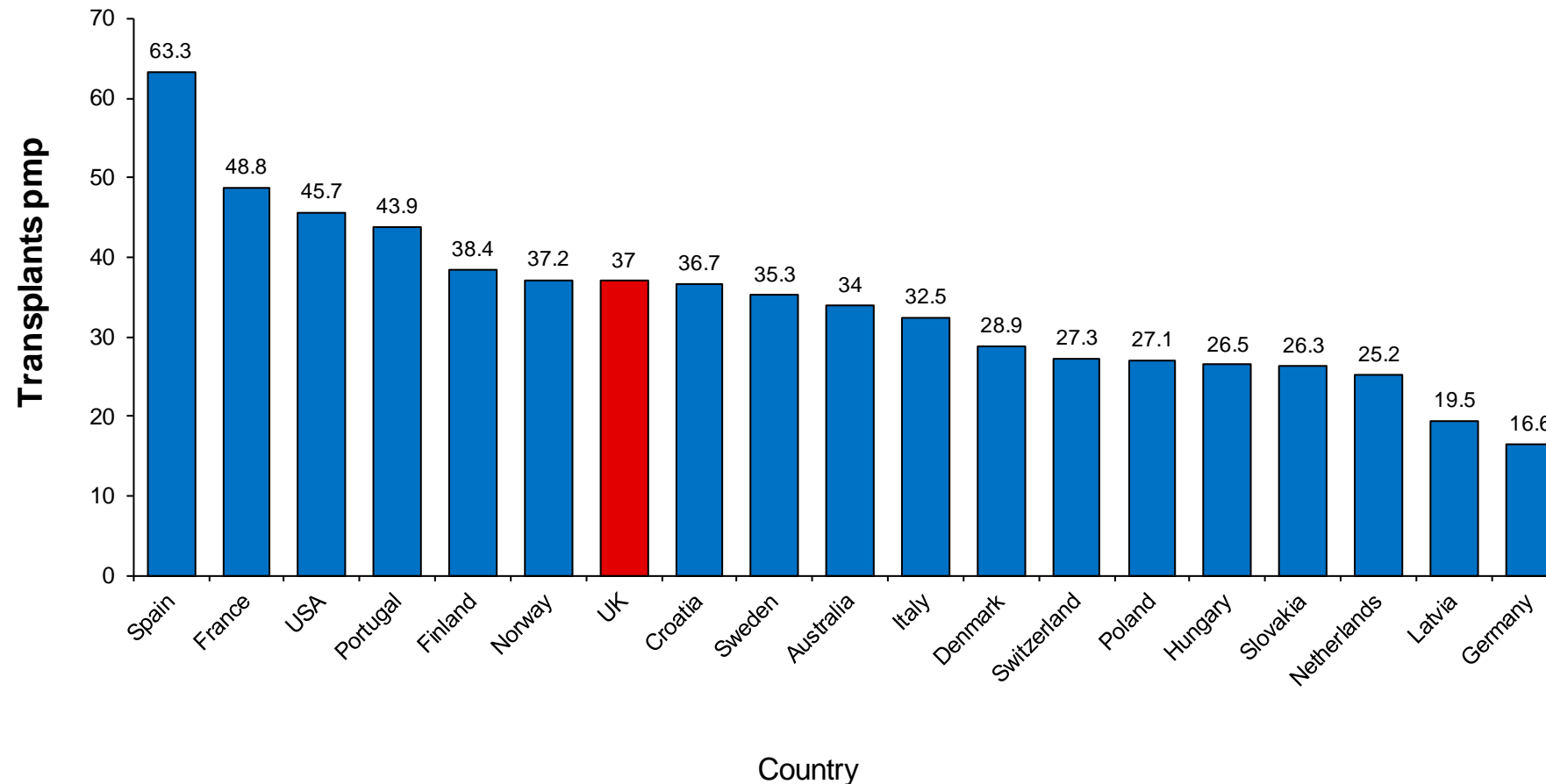
Deceased and living donor kidney transplant rates for Europe, Australia and the USA, 2017



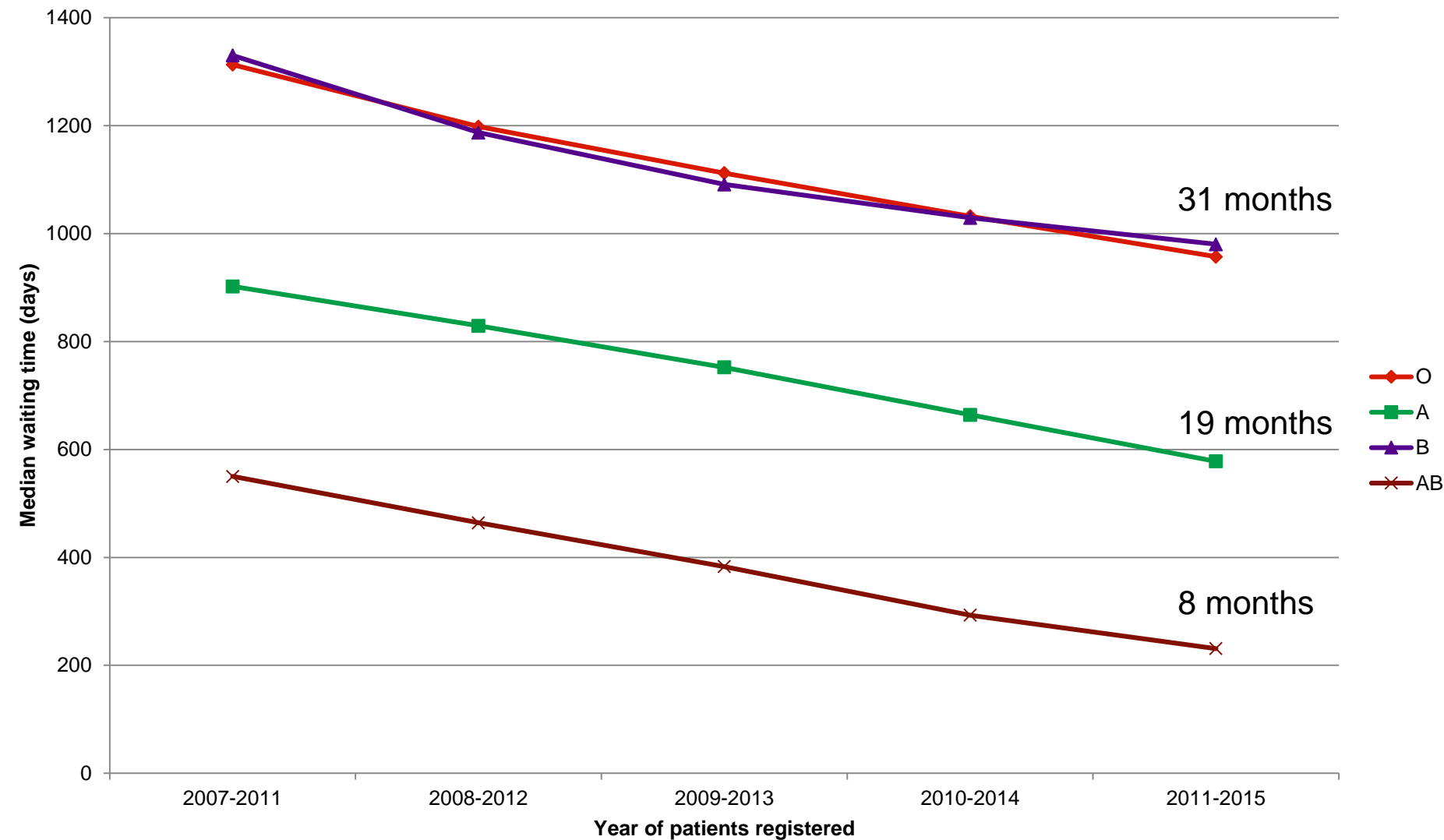
Deceased donor kidney transplants

Deceased donor kidney transplant rates

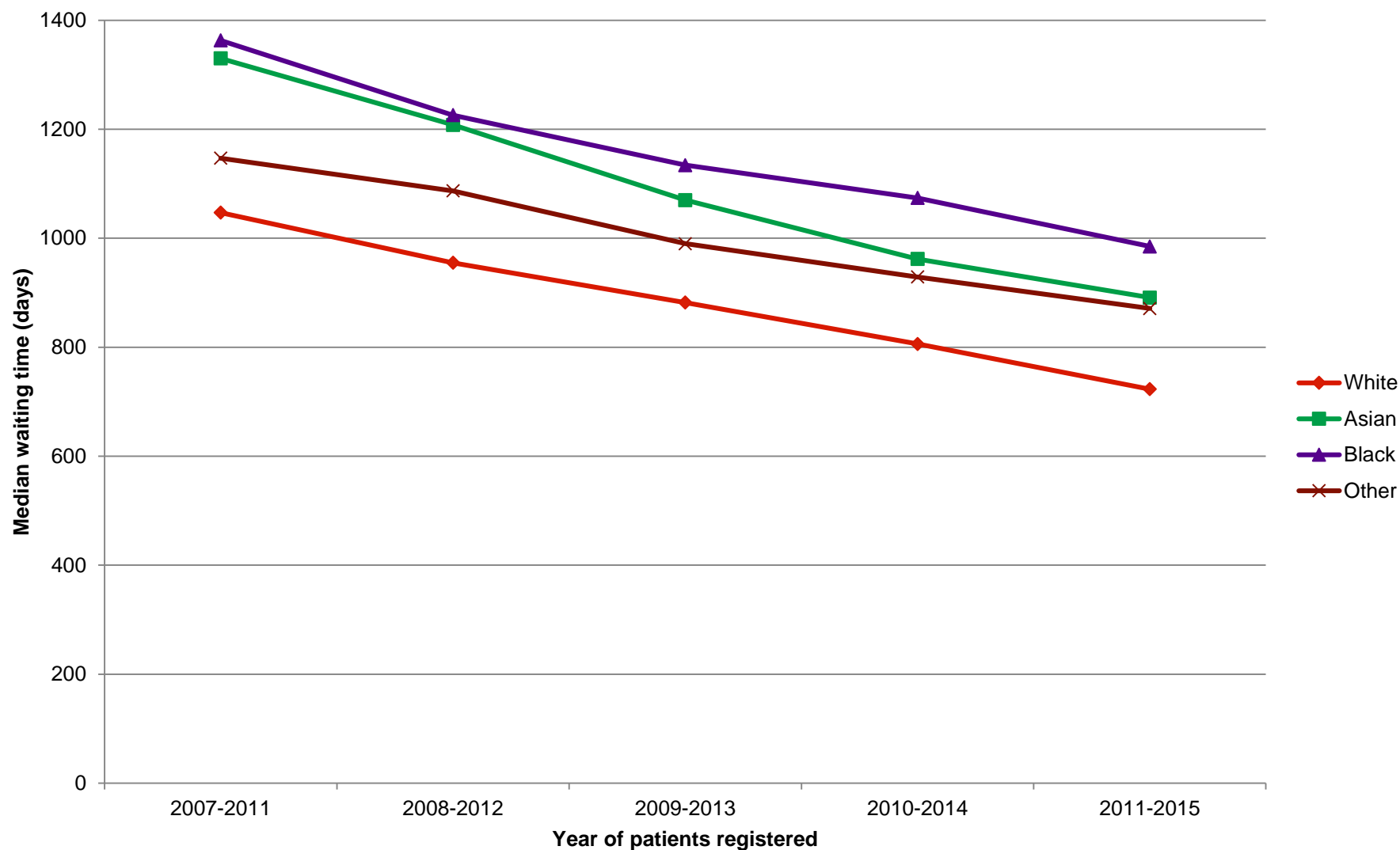
Deceased donor kidney transplant rates for Europe, Australia and the USA, 2017



Median waiting time to transplant for adult kidney patients

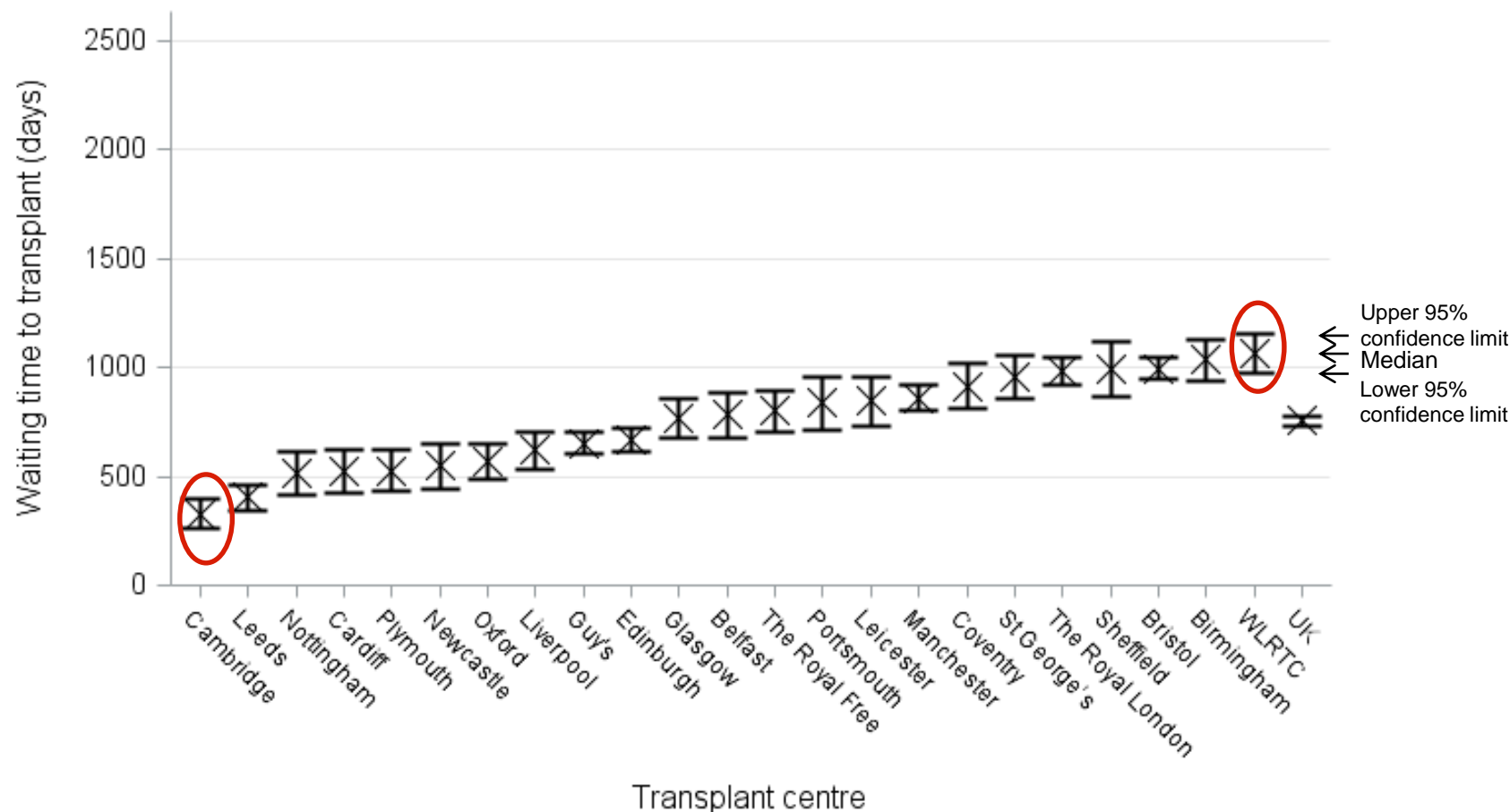


Median waiting time to transplant



Median waiting time to transplant

Figure 3.10 Median waiting time to deceased donor transplant for adult patients registered on the kidney transplant list, 1 April 2012 - 31 March 2015



11 months



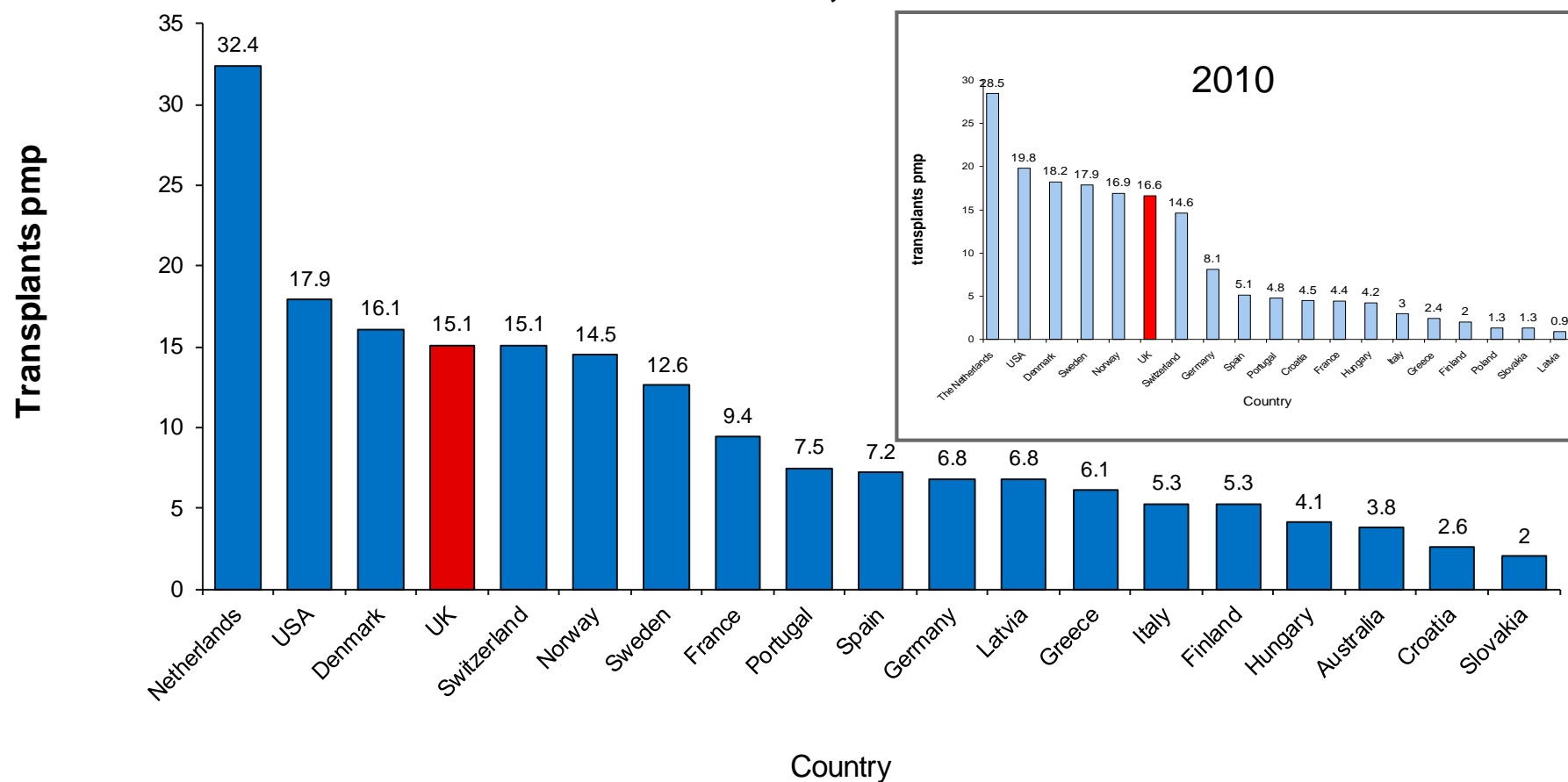
35 months

25 months
UK average

Living donor kidney transplants

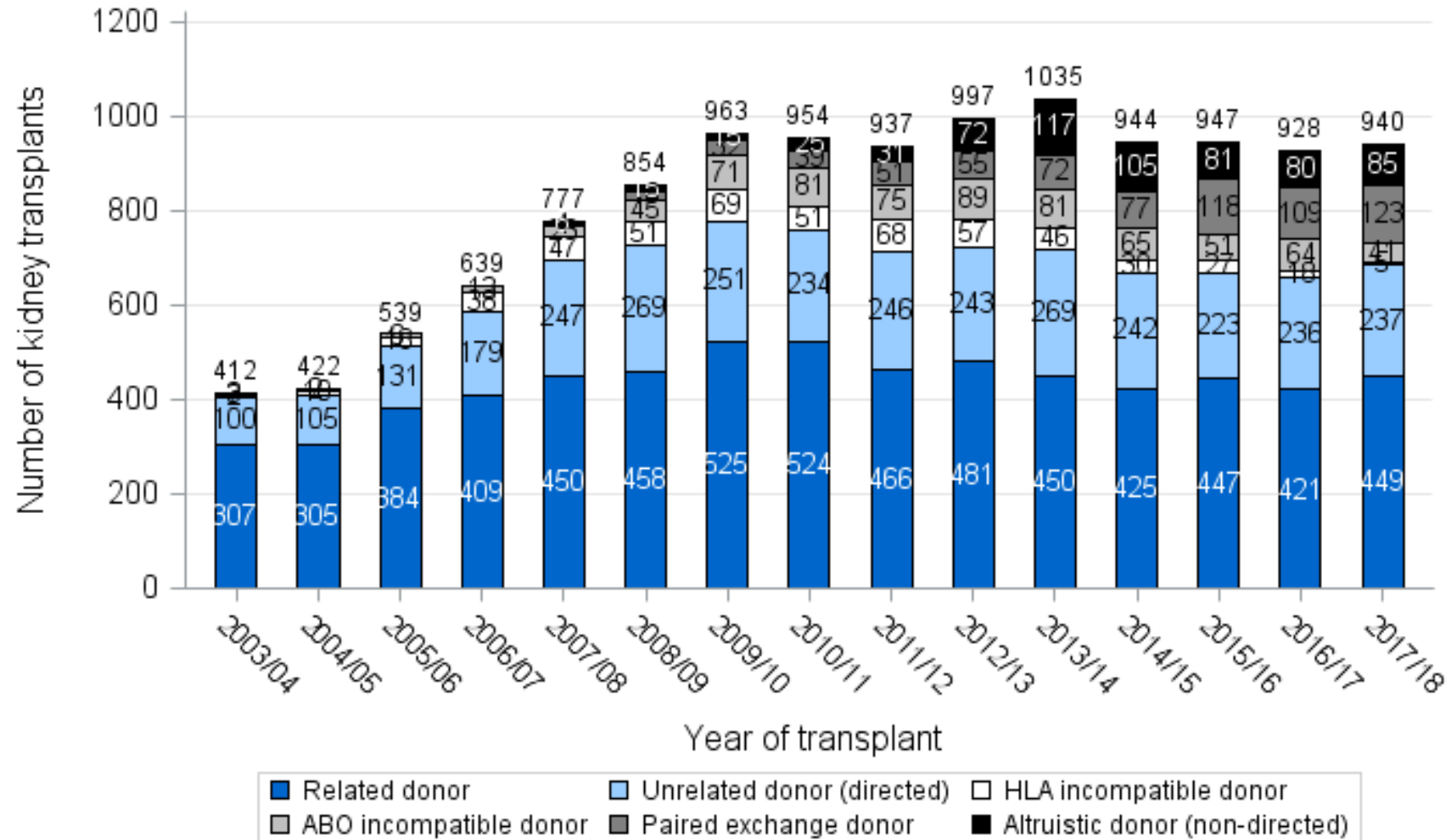
International data - living donor (LD) kidney transplant rates

Living donor kidney transplant rates for Europe, Australia and the USA, 2017



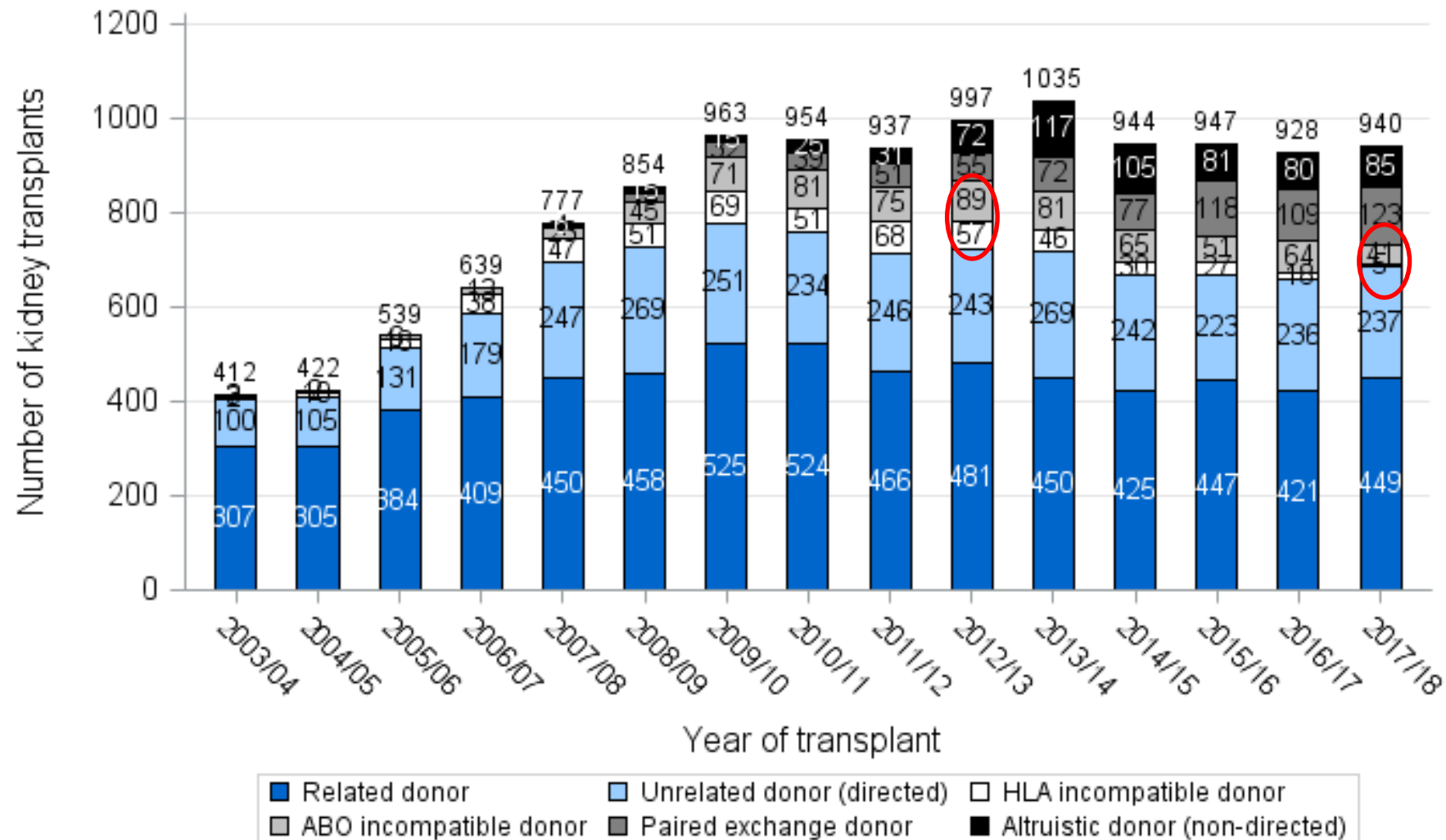
Adult living donor transplants

Increasing complexity of living donor kidney transplantation



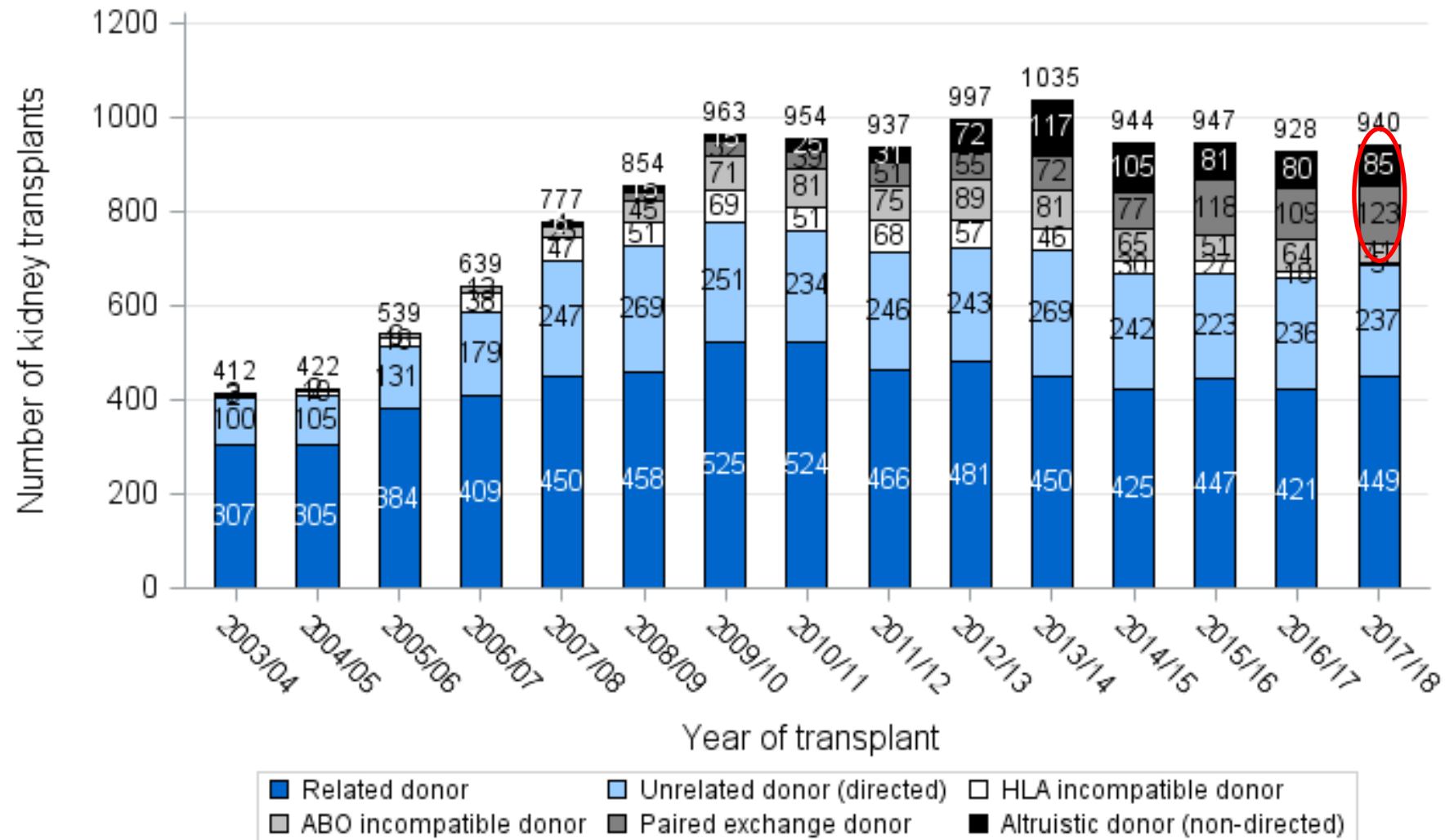
Adult living donor transplants

Steady fall in both ABOi and HLAi adult living donor kidney transplants since 2012/13



Adult living donor transplants

Rise in both paired and altruistic adult living donor kidney transplants



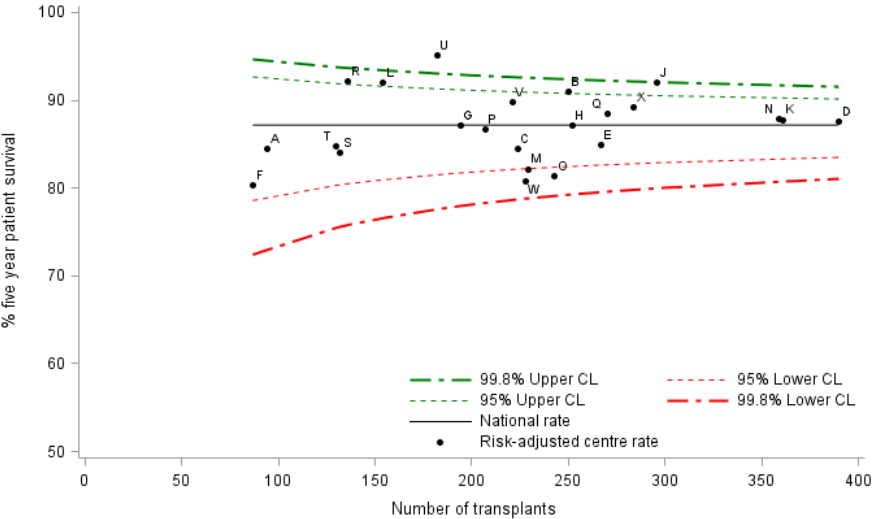
Post transplant outcomes

Deceased donor kidney transplant - Five year survival

Excellent post transplant outcomes – no outlying centres with poor survival

Patient survival

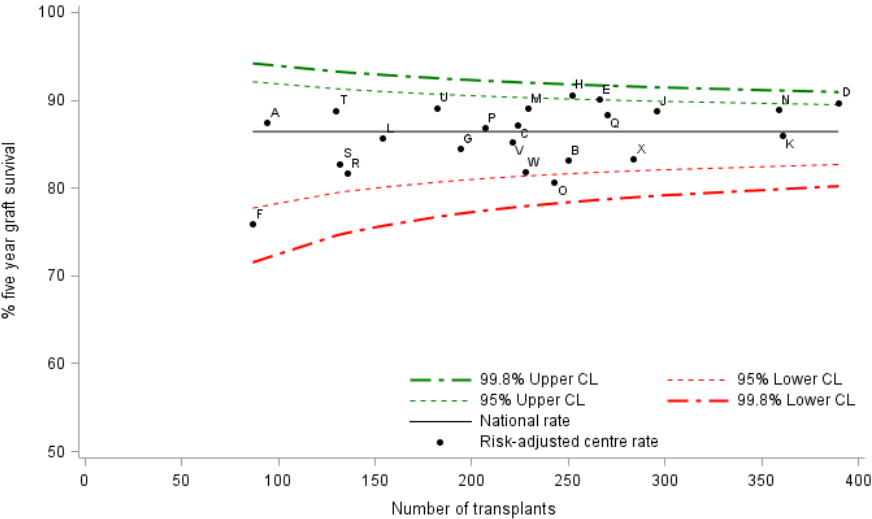
Figure 6.4 Risk-adjusted five year patient survival rates for first deceased donor kidney transplants in adult patients, between 1 April 2009 and 31 March 2013



UK rate 87%

Graft survival

Figure 6.3 Risk-adjusted five year graft (death censored) survival rates for first deceased donor kidney transplants in adult patients, between 1 April 2009 and 31 March 2013



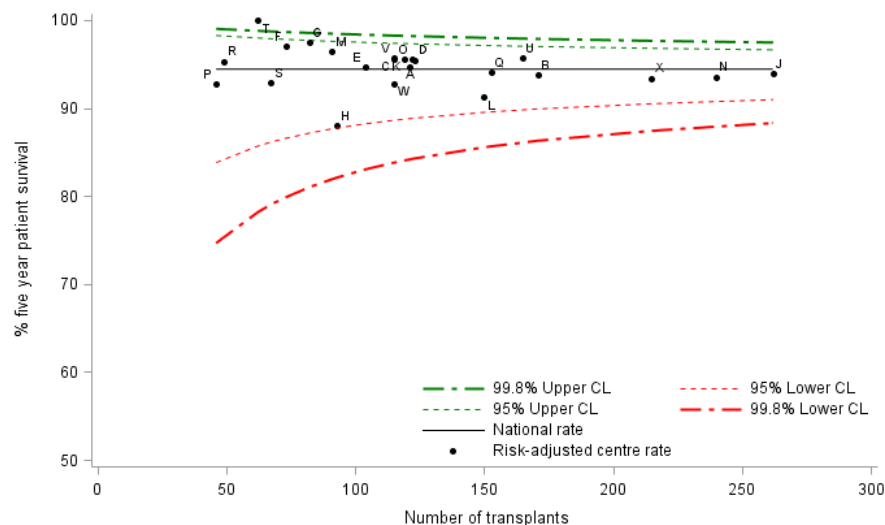
UK rate 86%

Living donor kidney transplant - Five year survival

Excellent post transplant outcomes – no outlying centres with poor survival

Patient survival

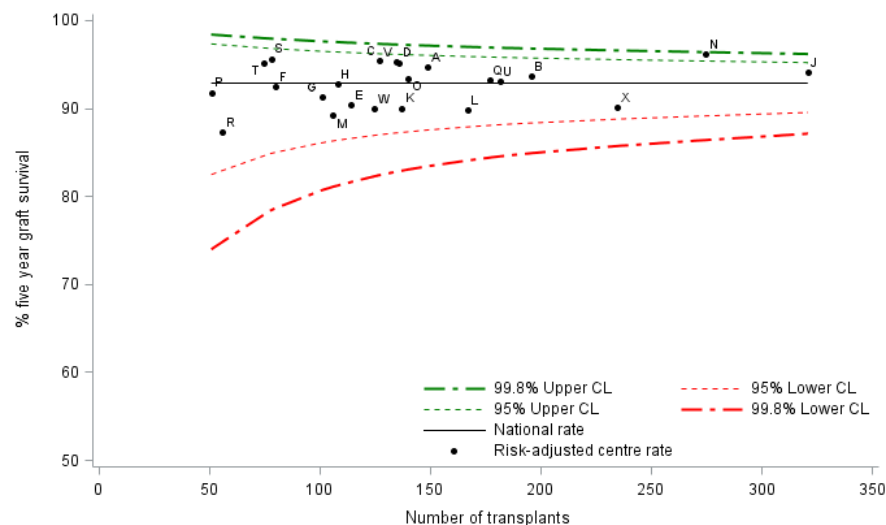
Figure 6.8 Risk-adjusted five year patient survival rates for first live donor kidney transplants in adult patients, between 1 April 2009 and 31 March 2013



UK rate 94%

Graft survival

Figure 6.7 Risk-adjusted five year graft (death censored) survival rates for first live donor kidney transplants in adult patients, between 1 April 2009 and 31 March 2013



UK rate 93%

Summary

Summary

Total activity

- Deceased donors and transplants hit record high in 2017/18
- Numbers up again so far this year – 4% more DD, 1% more DD txs
 - 7% more DBD donors this year to date

Kidney activity

- Adult kidney transplants – 42% DBD, 29% DCD, 29% LD
- 1% increase in DDKT this year, 1% fall in LDKT
- Median wait to kidney transplant falling - 25 months - and less variation by ethnicity, but centre variation remains (median 11 - 35 months)
- LDKT – fall in ABO and HLA incompatible transplantation
- Excellent post transplant outcomes with no outlying centres

Most figures from ODT Annual Report 2017/18 or Kidney Annual Report 2017/18

NHS
Blood and Transplant

Who we are | What we do | How we help | Get involved | Donate | Careers | Media

ODT CLINICAL

Your search here

Home | Deceased donation | Living donation | Retrieval | Transplantation | **Statistics and reports** | Information for patients | ODT structure & standards

Organ Donation and Transplantation
Matching world-class performance in organ donation and transplantation

Statistics and reports

- Annual Activity Report
- Organ specific reports
- Potential Donor Audit
- ODT Performance Report
- Annual NORS Report
- Regional reports
- Trust/board level benchmarking
- Slides and presentations
- Access data
- Publications

Taking Organ Transplantation to 2020
» View the strategy

Annual Activity Report
» Download the report

Taking Organ Utilisation to 2020

ODT Hub Programme

Tell us about an incident

Acknowledgements

Transplant unit, H&I laboratory and other hospital staff and Specialist Nurses for Organ Donation for provision of data to the UK Transplant Registry

Rachel Hogg, Statistician, for help with slides



www.odt.nhs.uk