

A thick blue wavy line that spans the width of the slide, starting from the left edge and curving upwards towards the right.

Donation to Transplantation Pathway

Overview

Lisa Burnapp

Clinical Lead- Living Donation

Consultant Nurse- Guy's & St.Thomas' NHS Trust

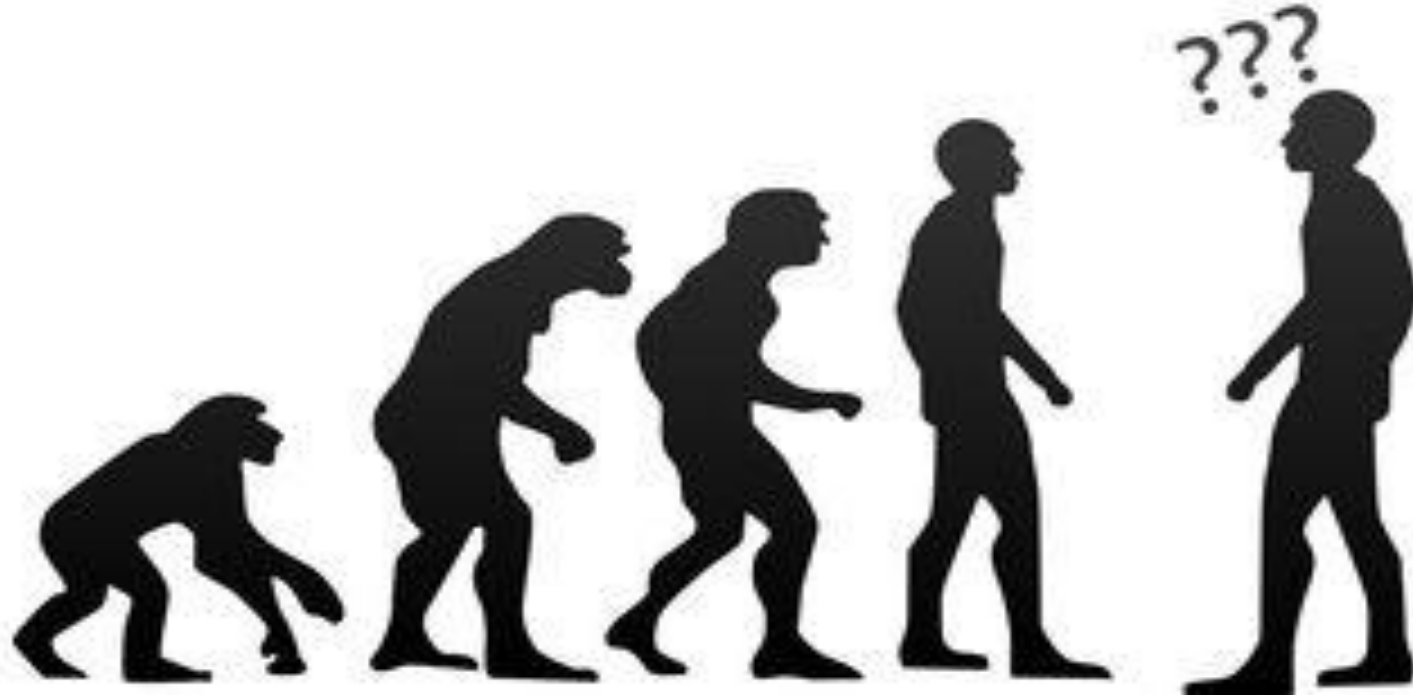
RC/LDC Induction, September 2019

Caring Expert Quality

Donation to Transplantation Pathway



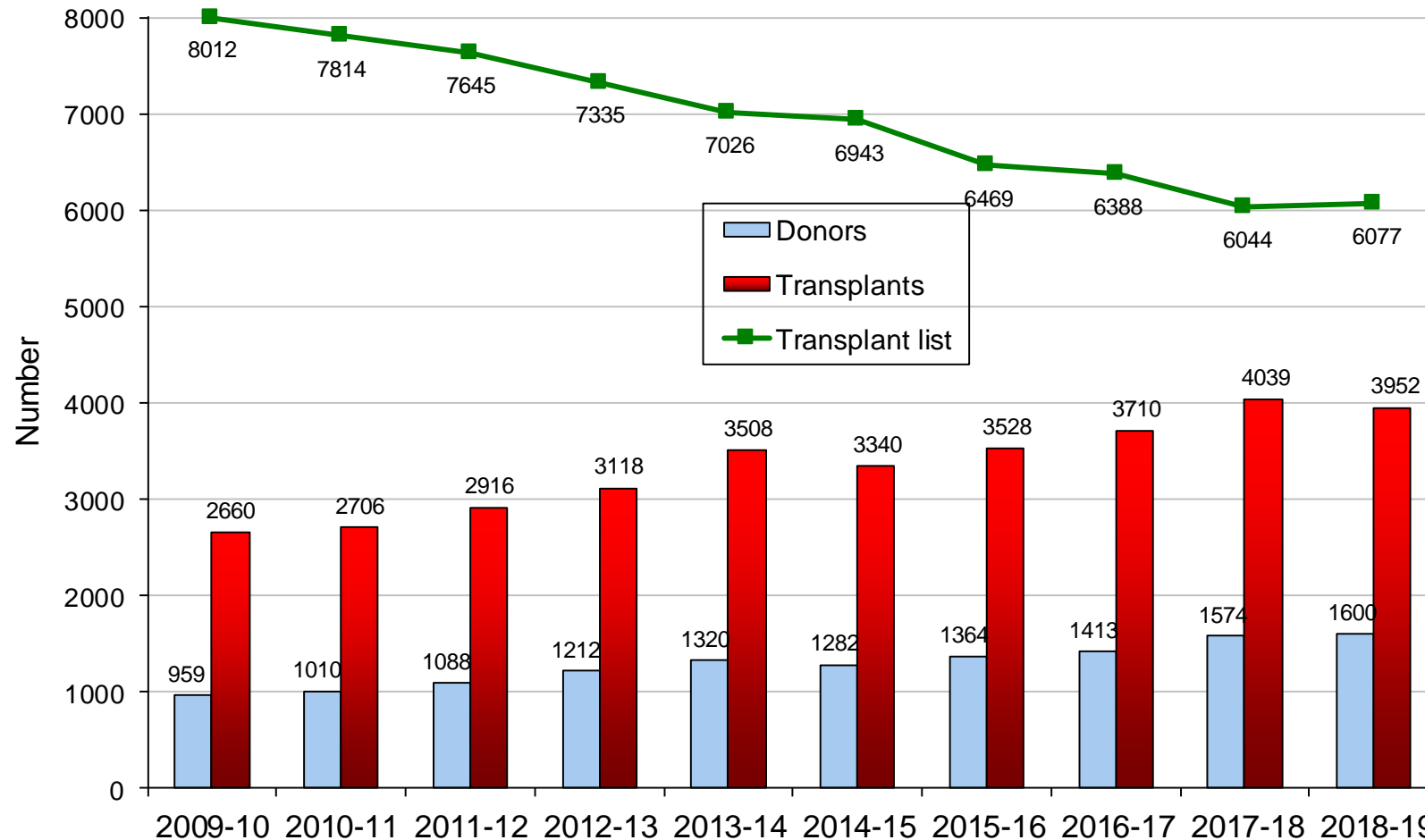
No Evolution without Revolution



Revolution in Donation



Deceased donors, transplants and transplant waiting list



Over the last ten years

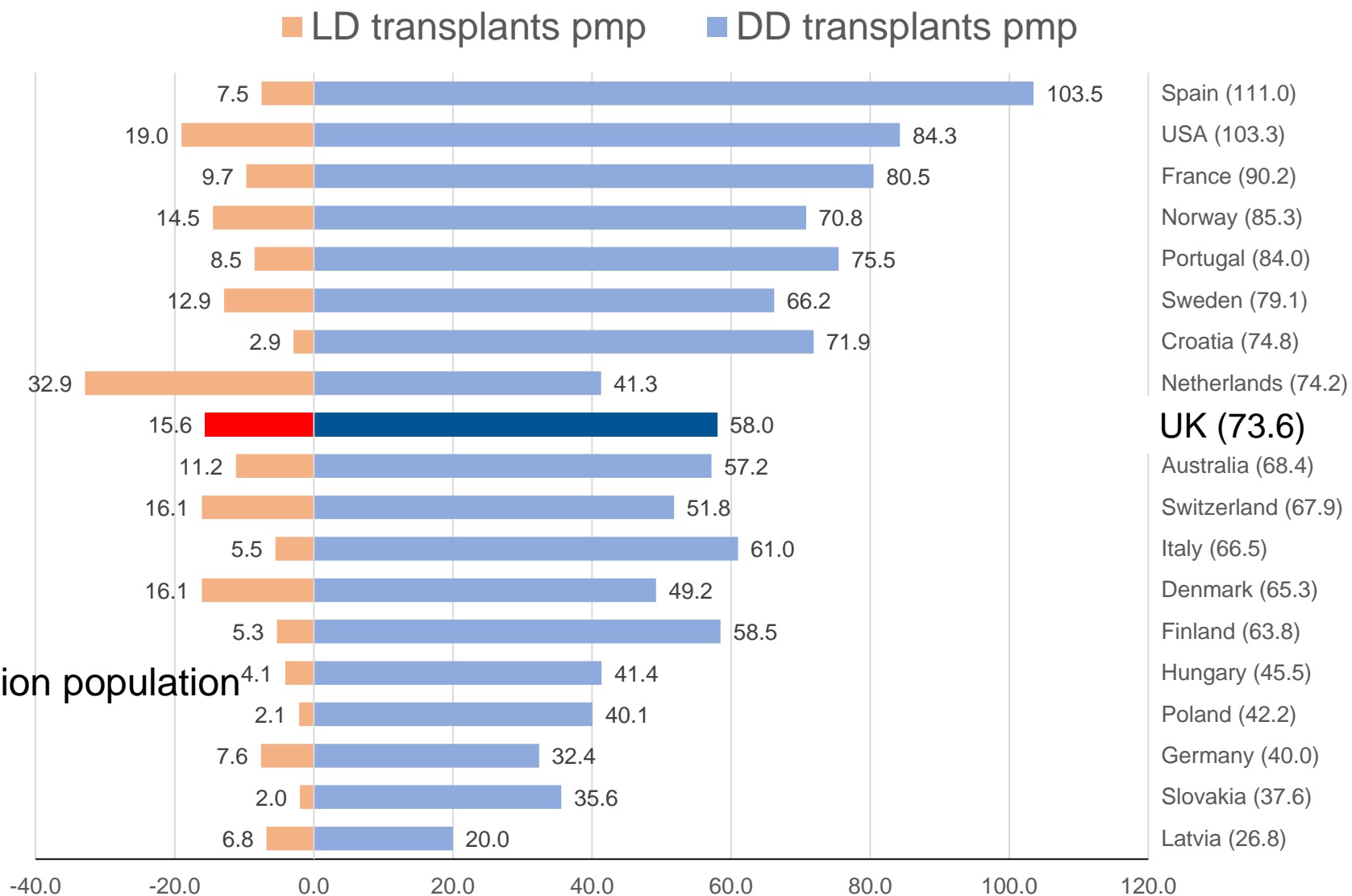
24% fall in waiting lists

49% increase in transplants (all organs)

67% increase in deceased organ donors

98% increase in donors since Organ Donation Task Force 12 years ago

Total transplant rates – international data, 2017



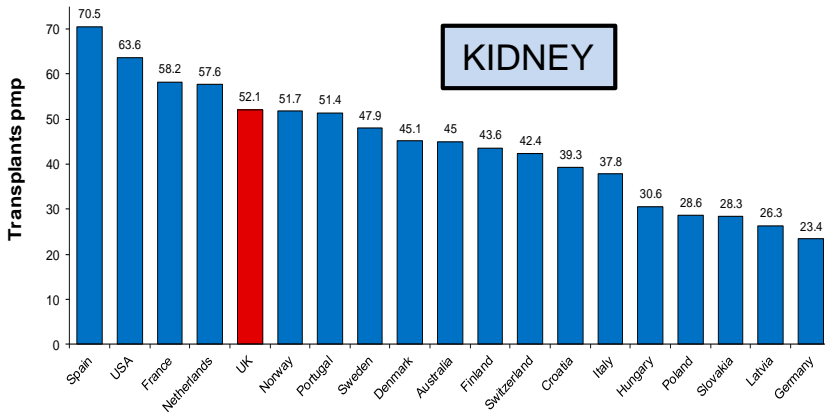
Transplants¹ performed in the UK, 1 April 2018 - 31 March 2019

Transplant	2018-2019
Total kidney transplants	3594
Total pancreas transplants	215
Total heart transplants	186
Total lung transplants	166
Total liver transplants	1010
Total intestinal transplants	19

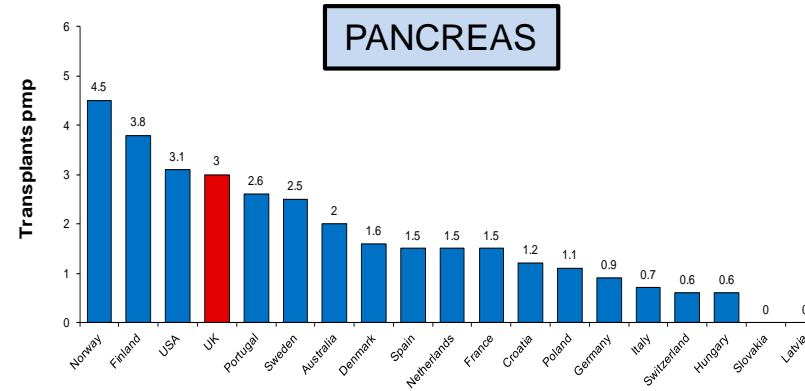
¹ Includes multi-organ transplants

International data – transplant rates

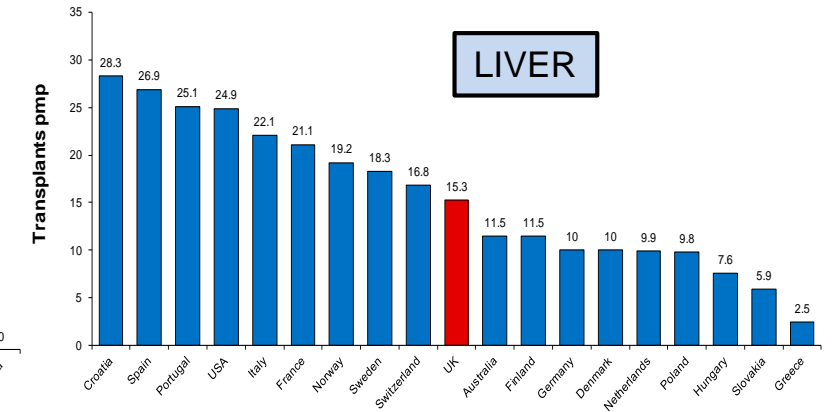
Deceased and living donor kidney transplant rates for Europe, Australia and the USA, 2017



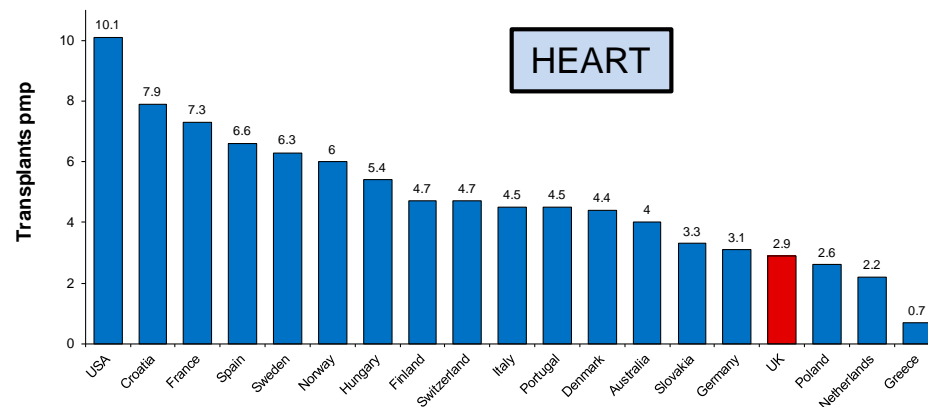
Pancreas transplant rates for Europe, Australia and the USA, 2017



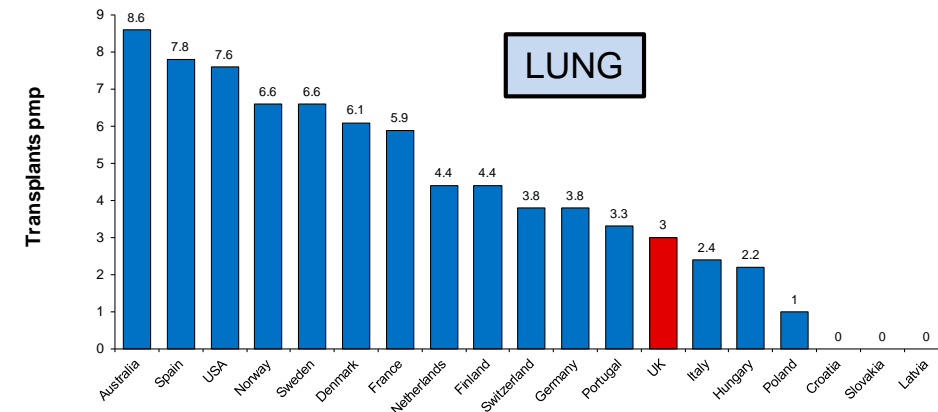
Liver transplant rates for Europe, Australia and the USA, 2017



Heart transplant rates for Europe, Australia and the USA, 2017

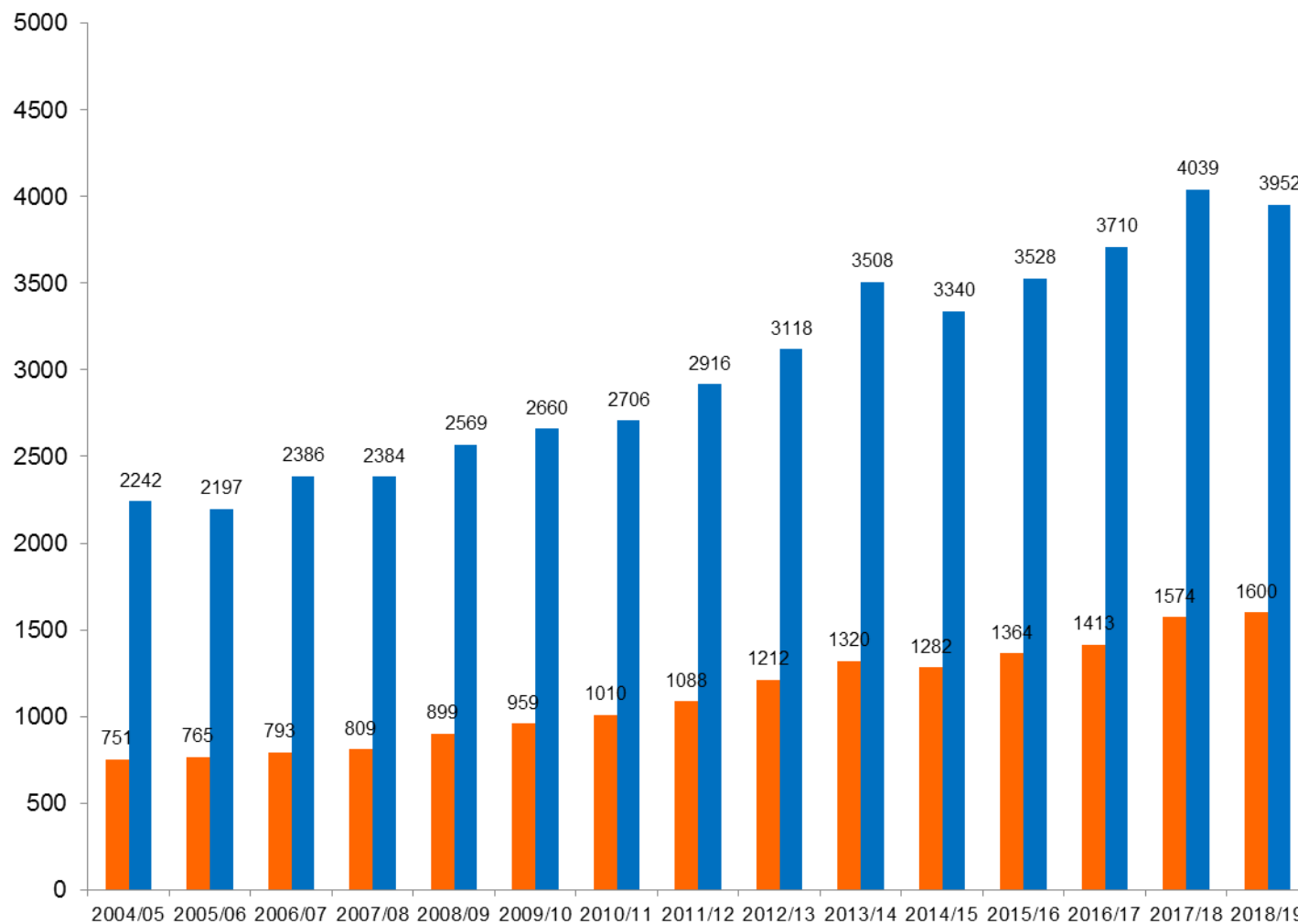


Lung transplant rates for Europe, Australia and the USA, 2017

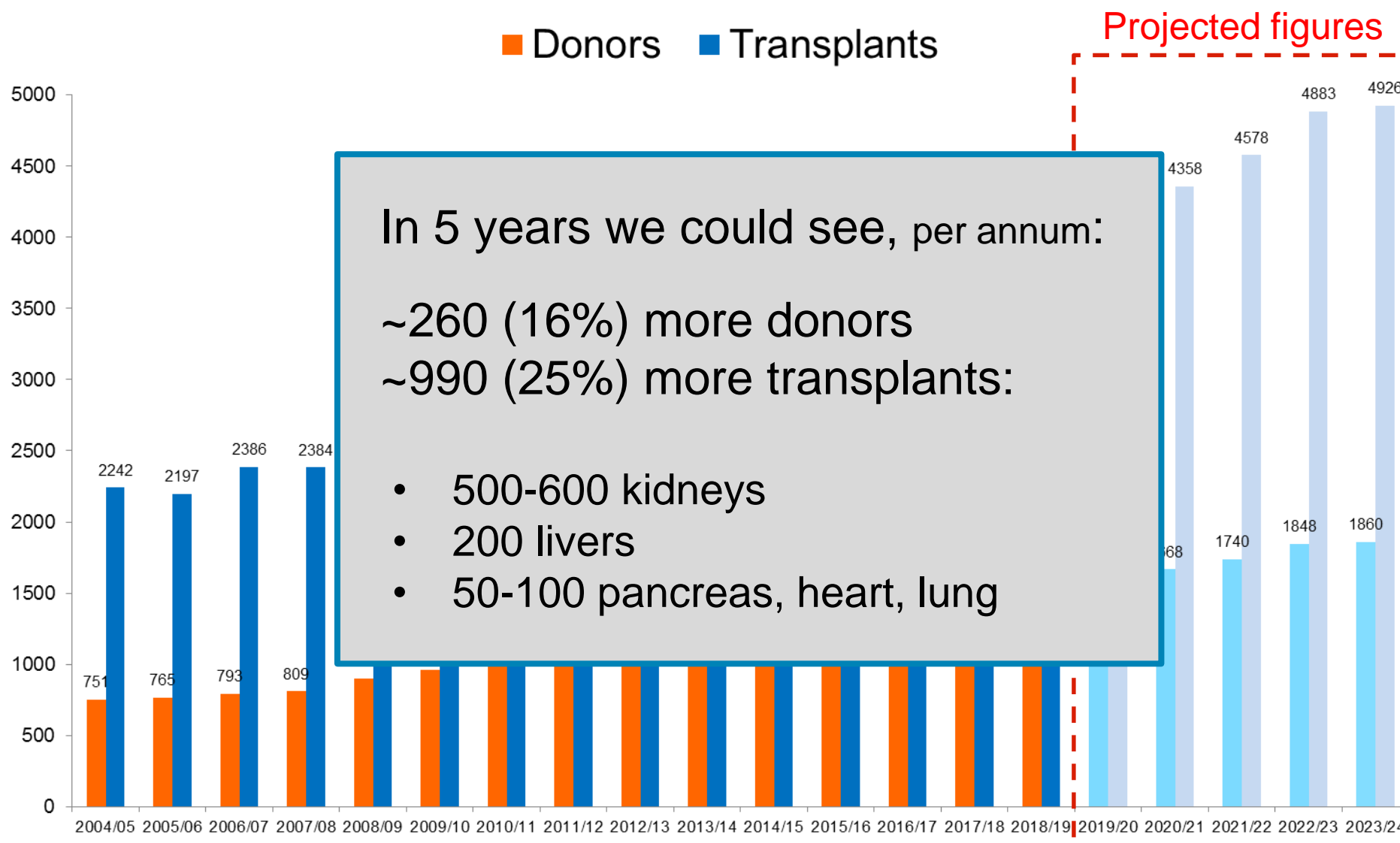


Projections for deceased donors and transplants

Donors Transplants

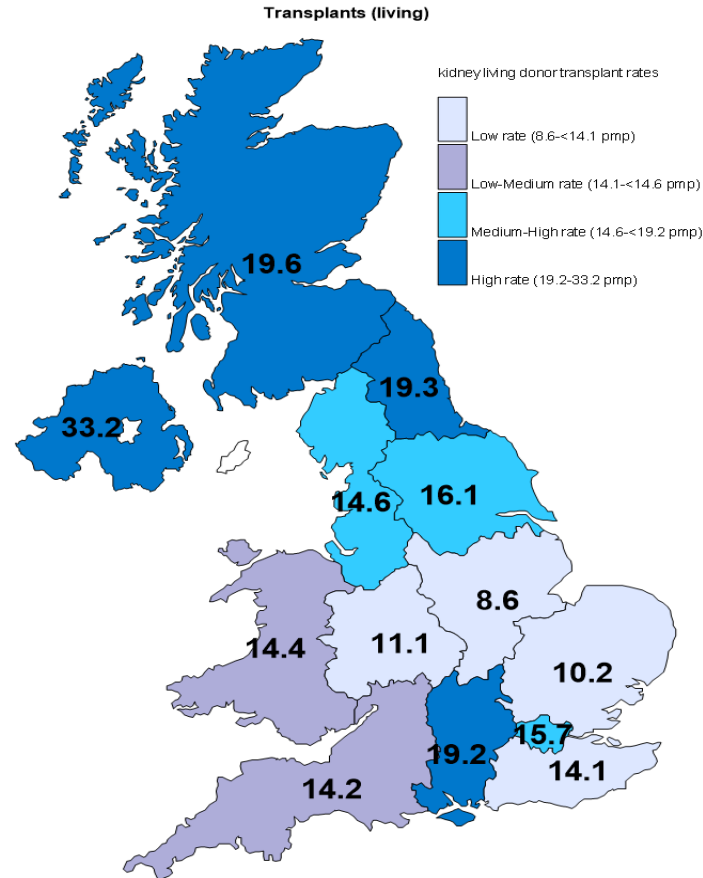


Projections for deceased donors and transplants



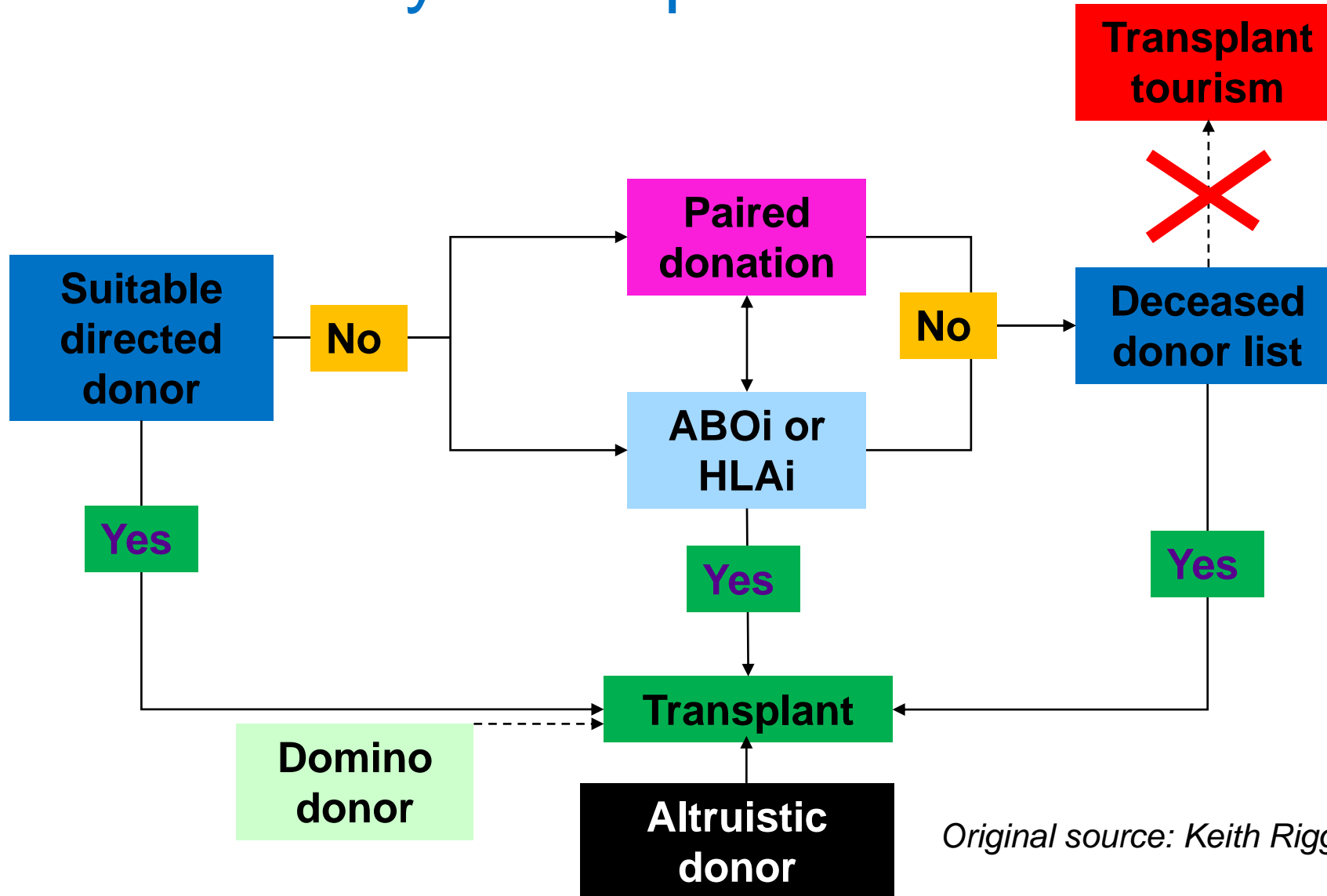
Living Donation: per million population

Figure 2.7 Living donor kidney transplant rates (pmp) by recipient country/Strategic Health Authority of residence



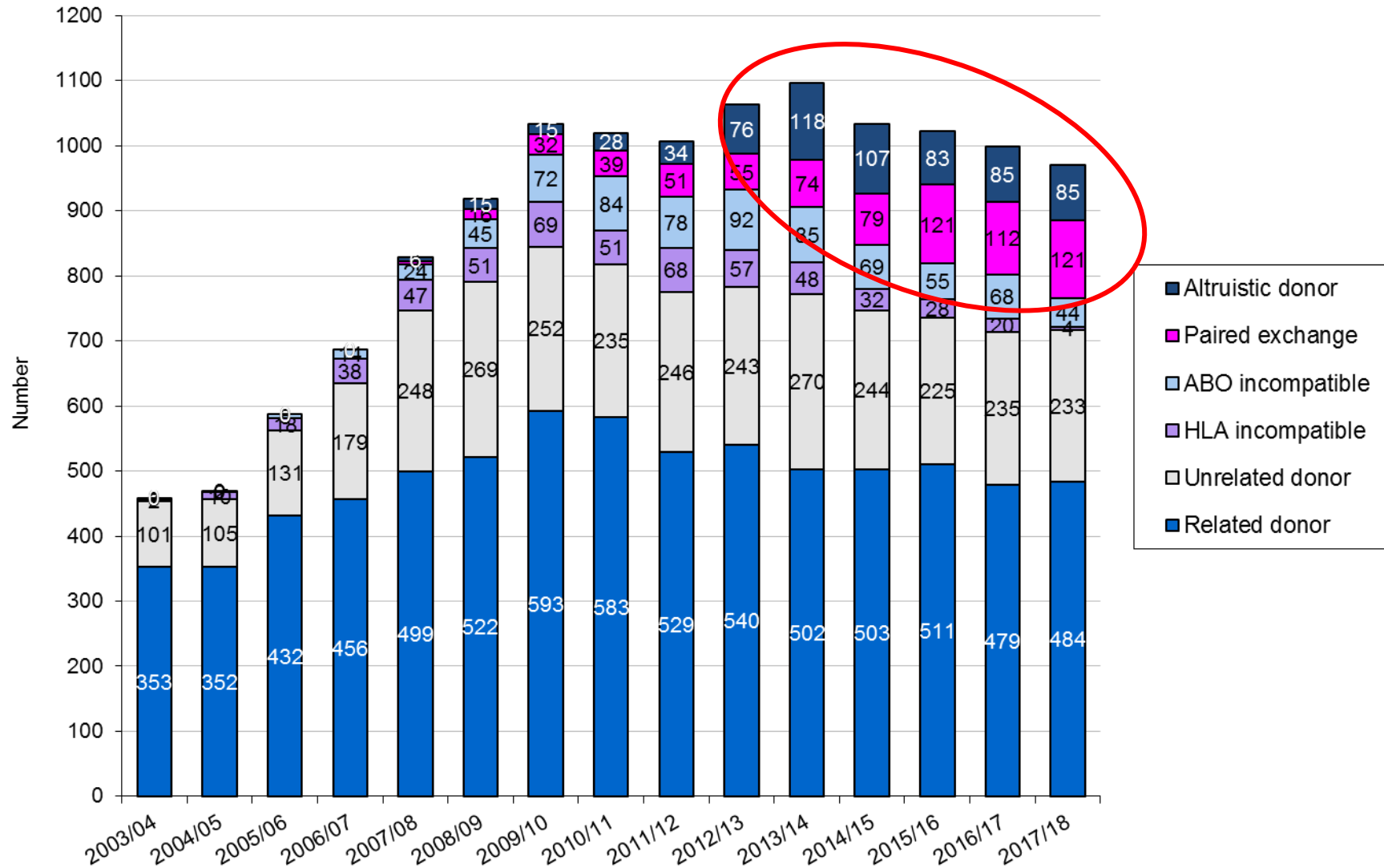
Source: Annual Report on Kidney Transplantation 2018/19, NHS Blood and Transplant

Living Donor Kidney Transplantation



Original source: Keith Rigg

UK Living Donor Kidney Transplants

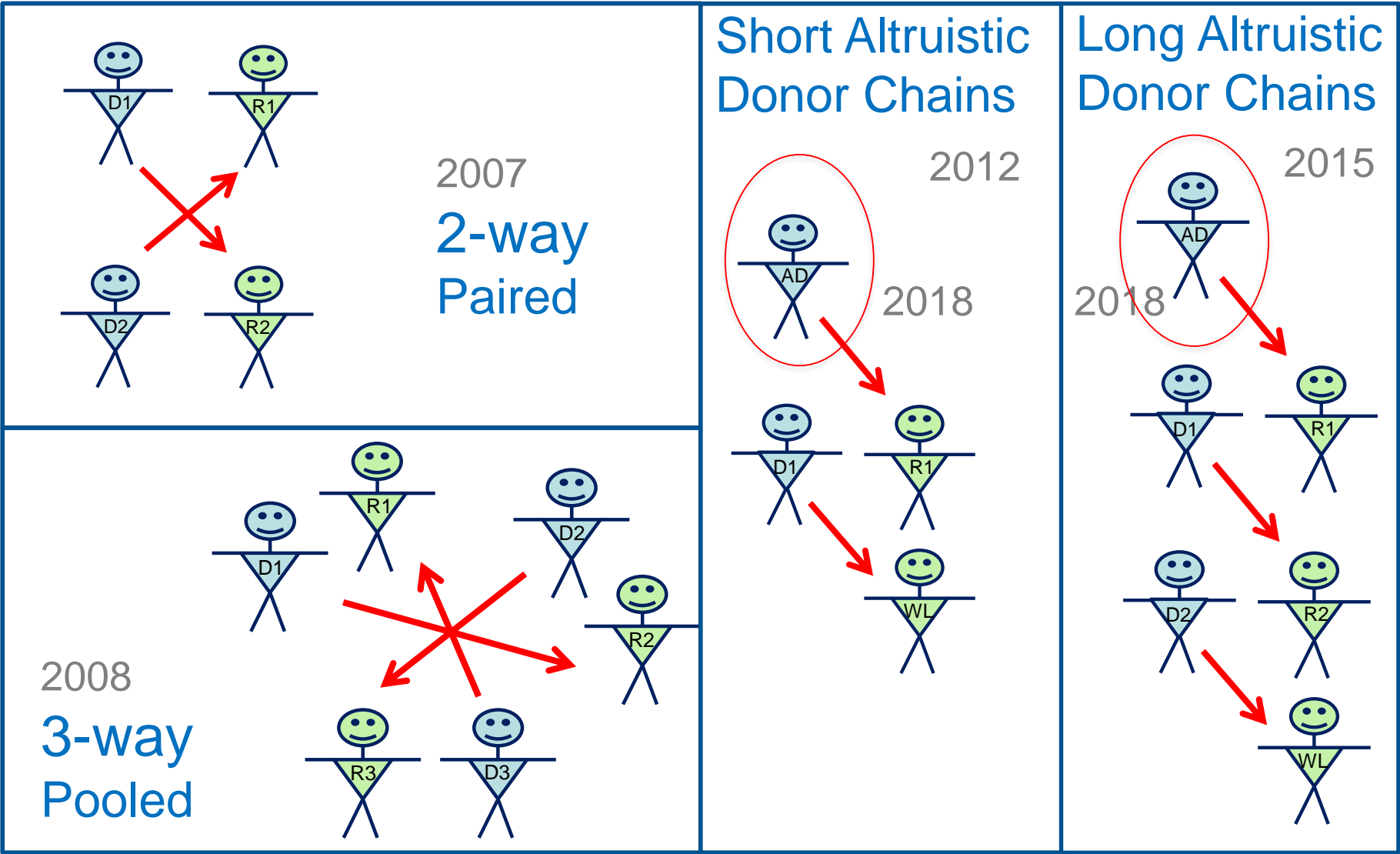


Increase in altruistic and paired exchange donor transplants

22% of adult LDKT
8% of paediatric LDKT

Fall in incompatible donor transplants

UK Living Kidney Sharing Schemes*



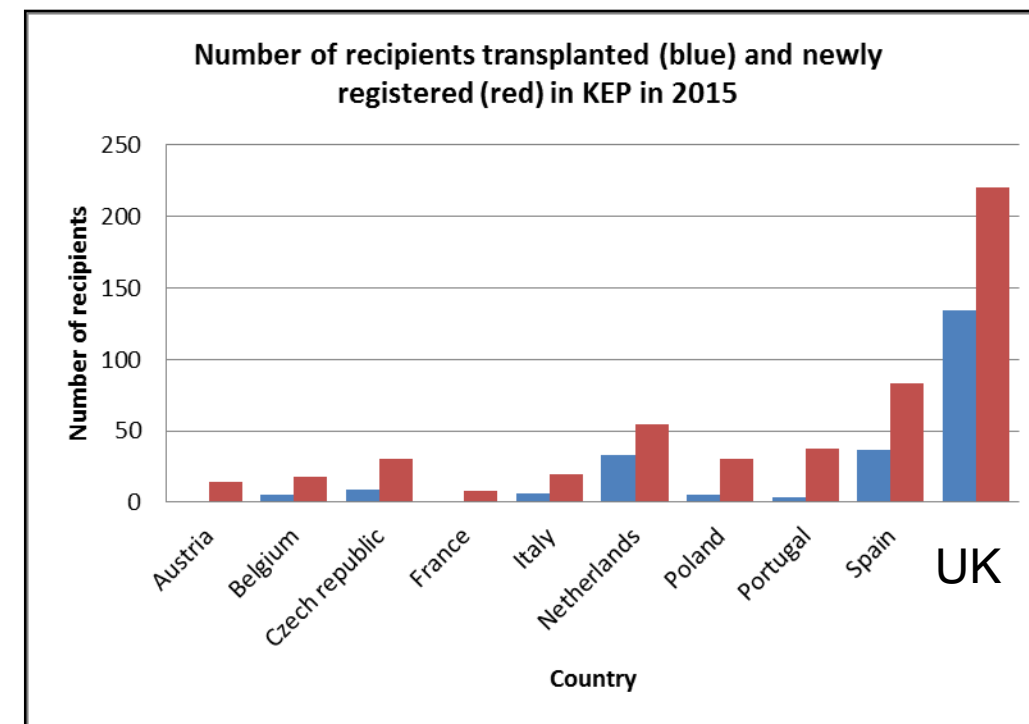
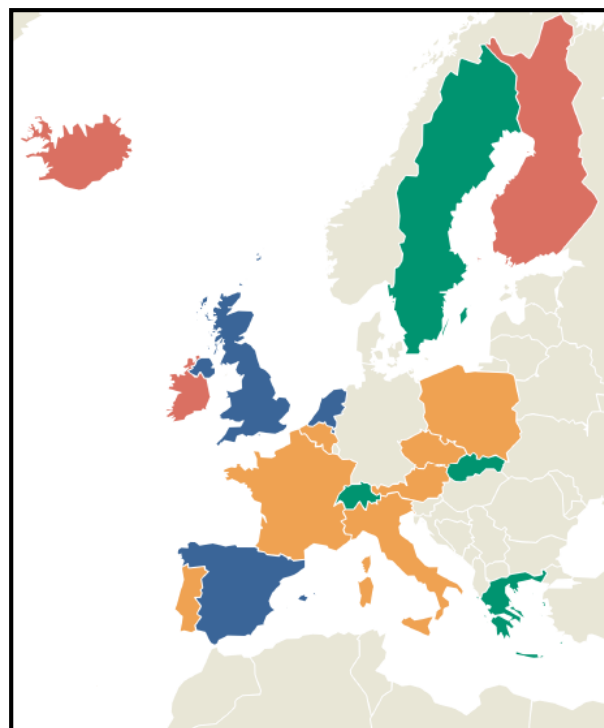
* Developed with University of Glasgow

UK scheme - largest in Europe



European Network for Collaboration on Kidney Exchange Programmes (ENCKEP)

- Large, advanced programmes
- New, smaller programmes
- Programmes in development
- Countries with no programme



Transplantation

Building kidney exchange programmes in Europe - An overview of exchange practice and activities

Biró, P. et al. (2018) Building kidney exchange programmes in Europe - An overview of exchange practice and activities. *Transplantation*, (doi:[10.1097/TP.0000000000002432](https://doi.org/10.1097/TP.0000000000002432)) (PMID:[30247314](https://pubmed.ncbi.nlm.nih.gov/30247314/)) (Early Online Publication)

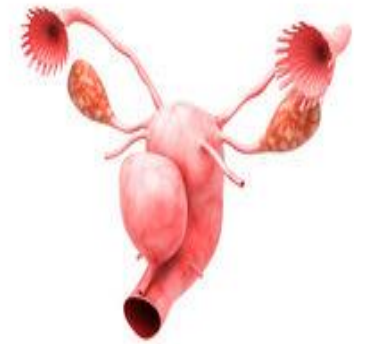
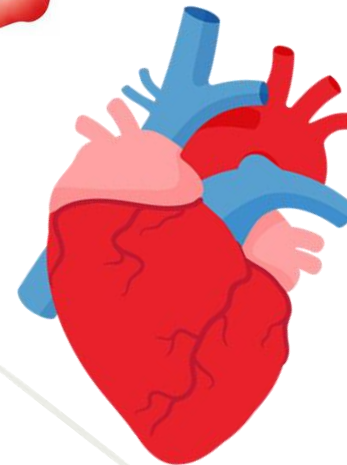
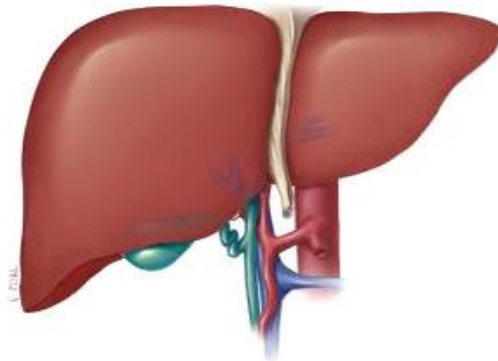
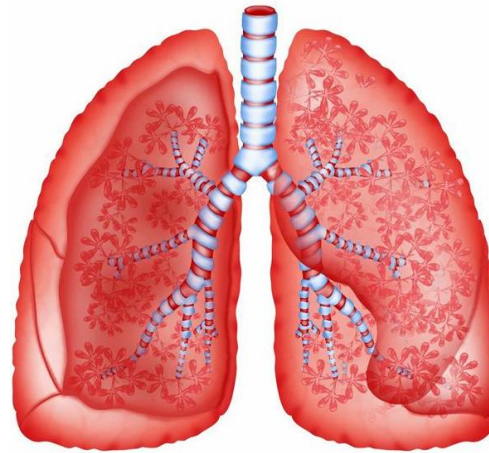
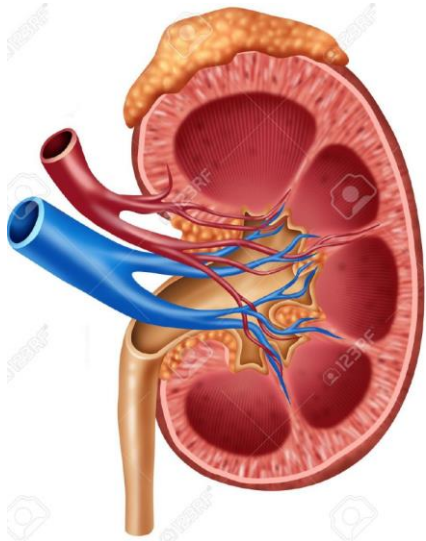
Changing Landscape



Multiple Organs

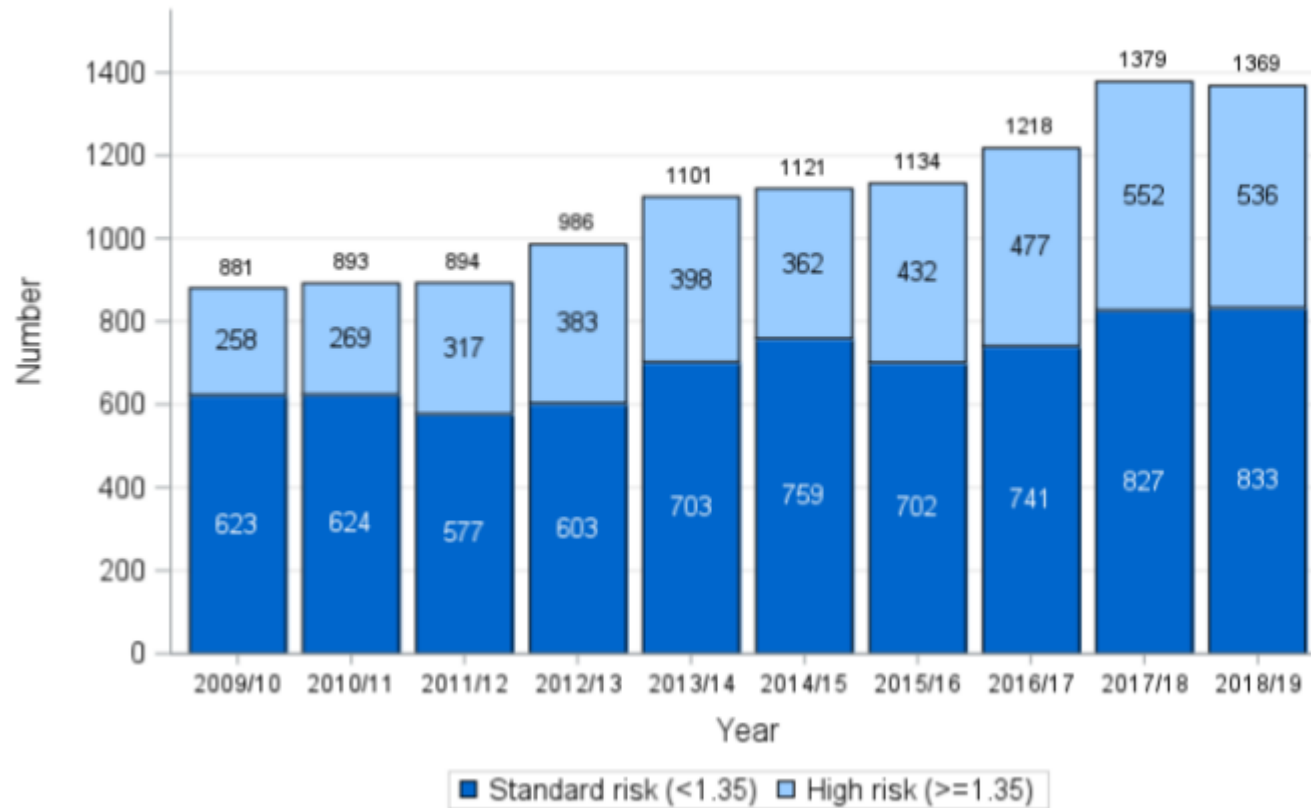
A **kidney** is not a **liver** is not a **lung** is not a **heart**

..nor a **uterus**

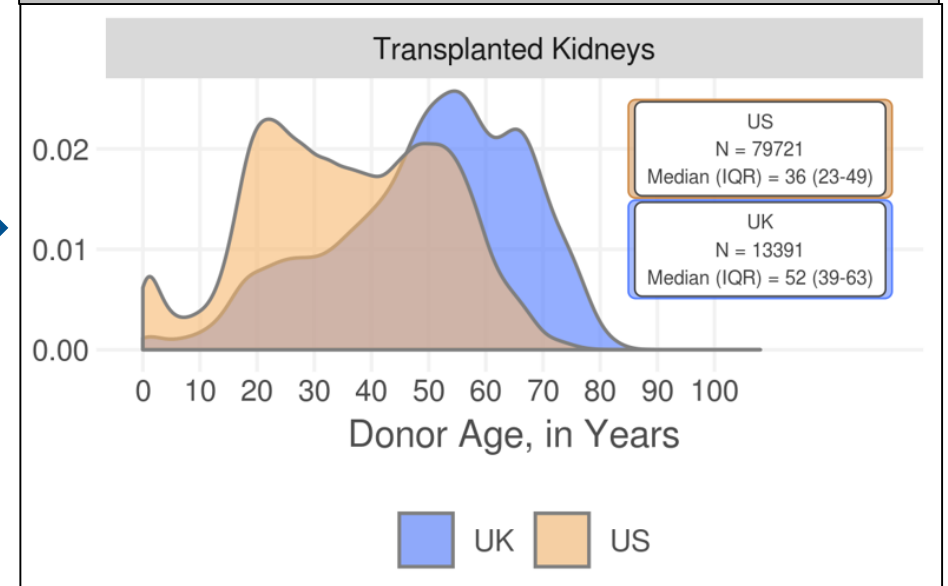


Transplant centres increasingly using more complex donor organs...

Figure 5.10 UK Kidney Donor Risk Index of transplanted DBD donor kidneys
1 April 2009 - 31 March 2019

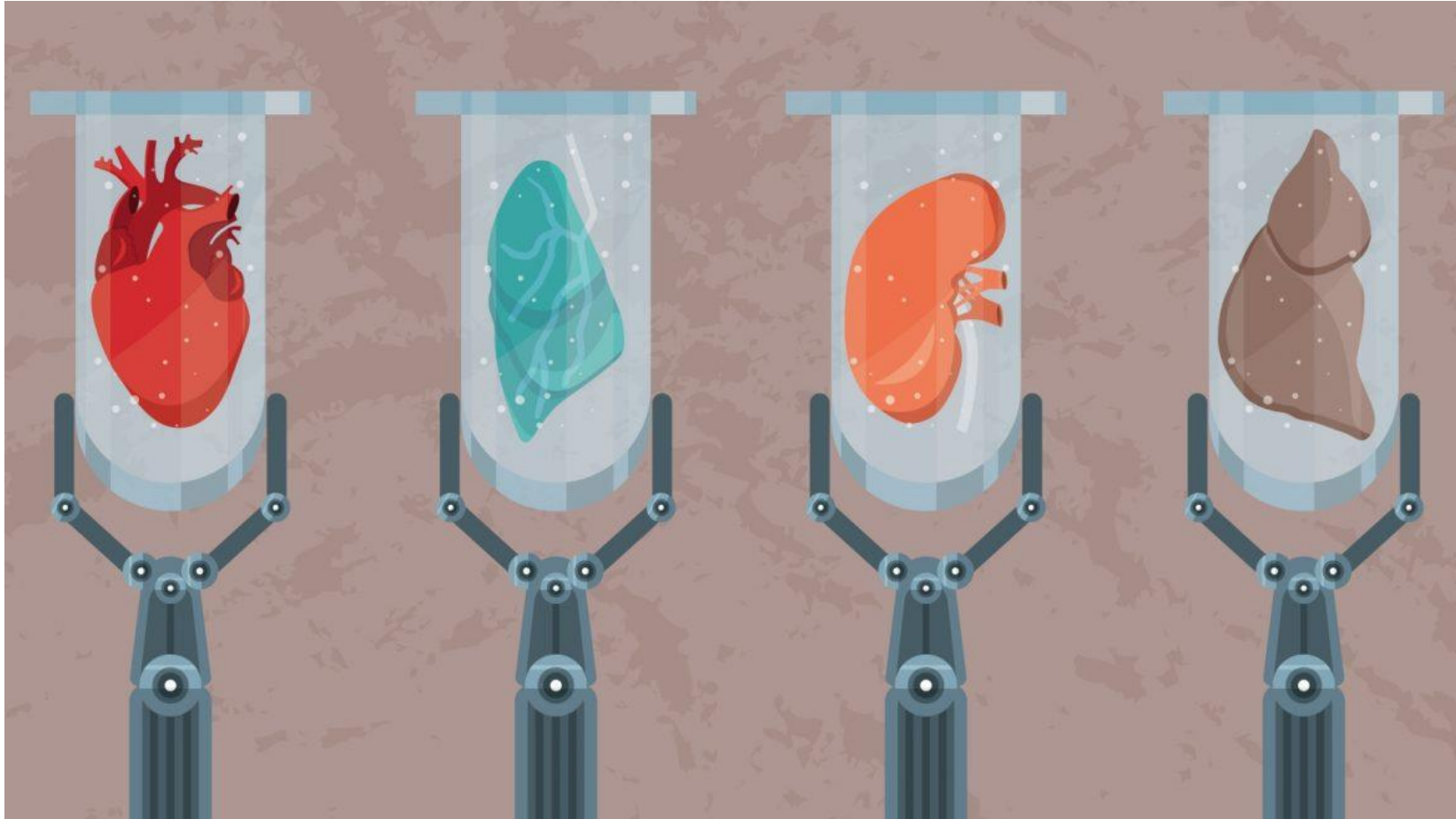


Age density plot for kidney transplants – UK vs US, 2012-17

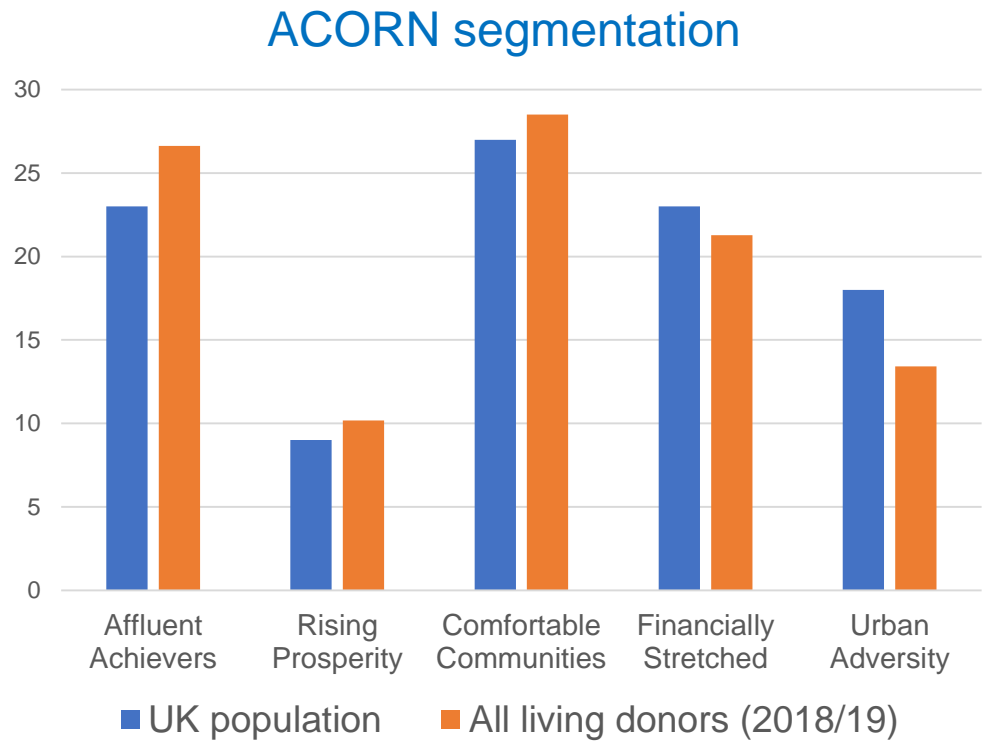
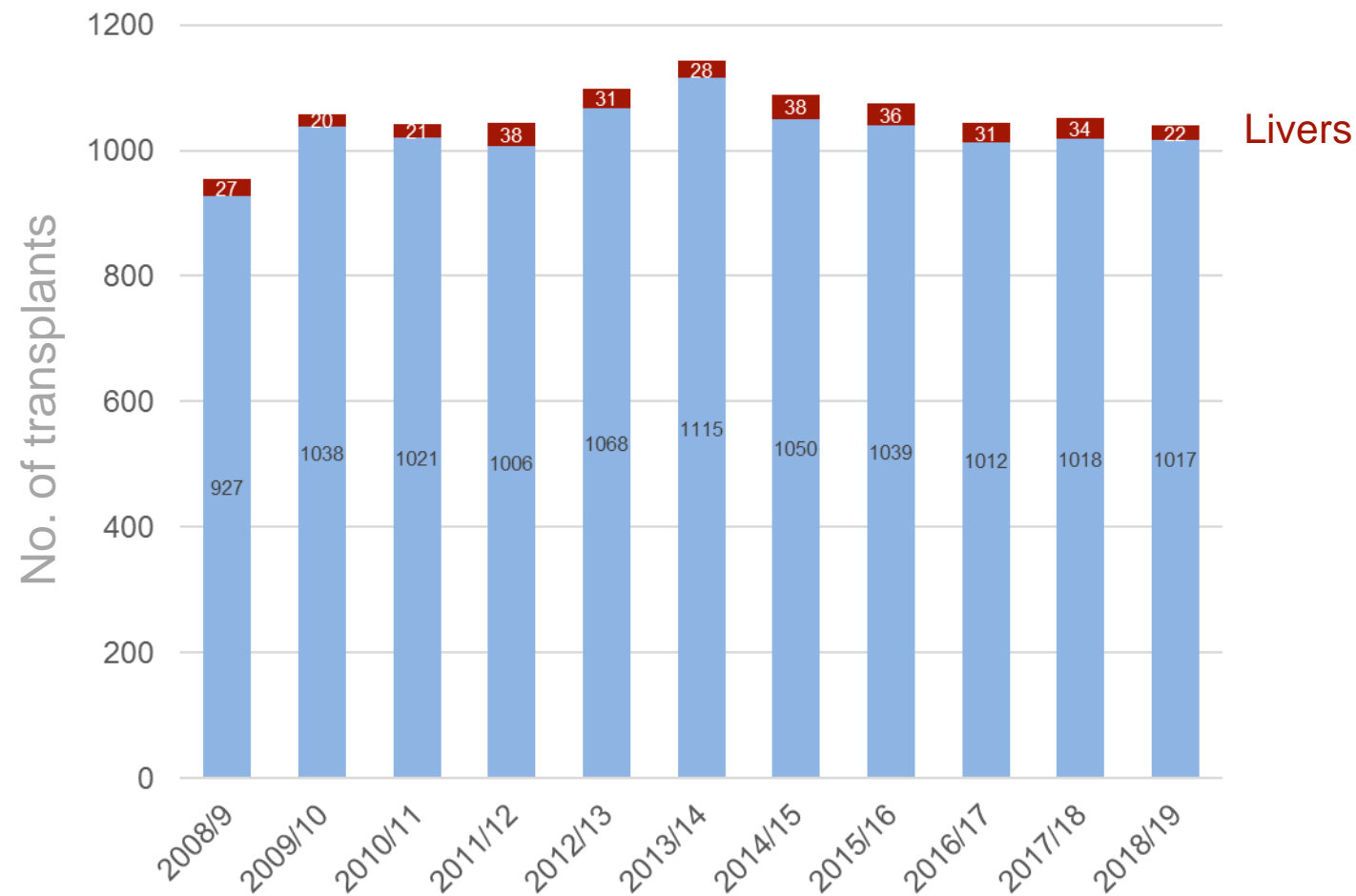


Stewart DE, Vece G, Ibrahim M,
awaiting publication

New Technologies & Techniques



UK Living Donor Kidney & Liver Transplants



Includes adult and paediatric patients and transplants in private hospitals

Complex Case Mix

Age

More obesity

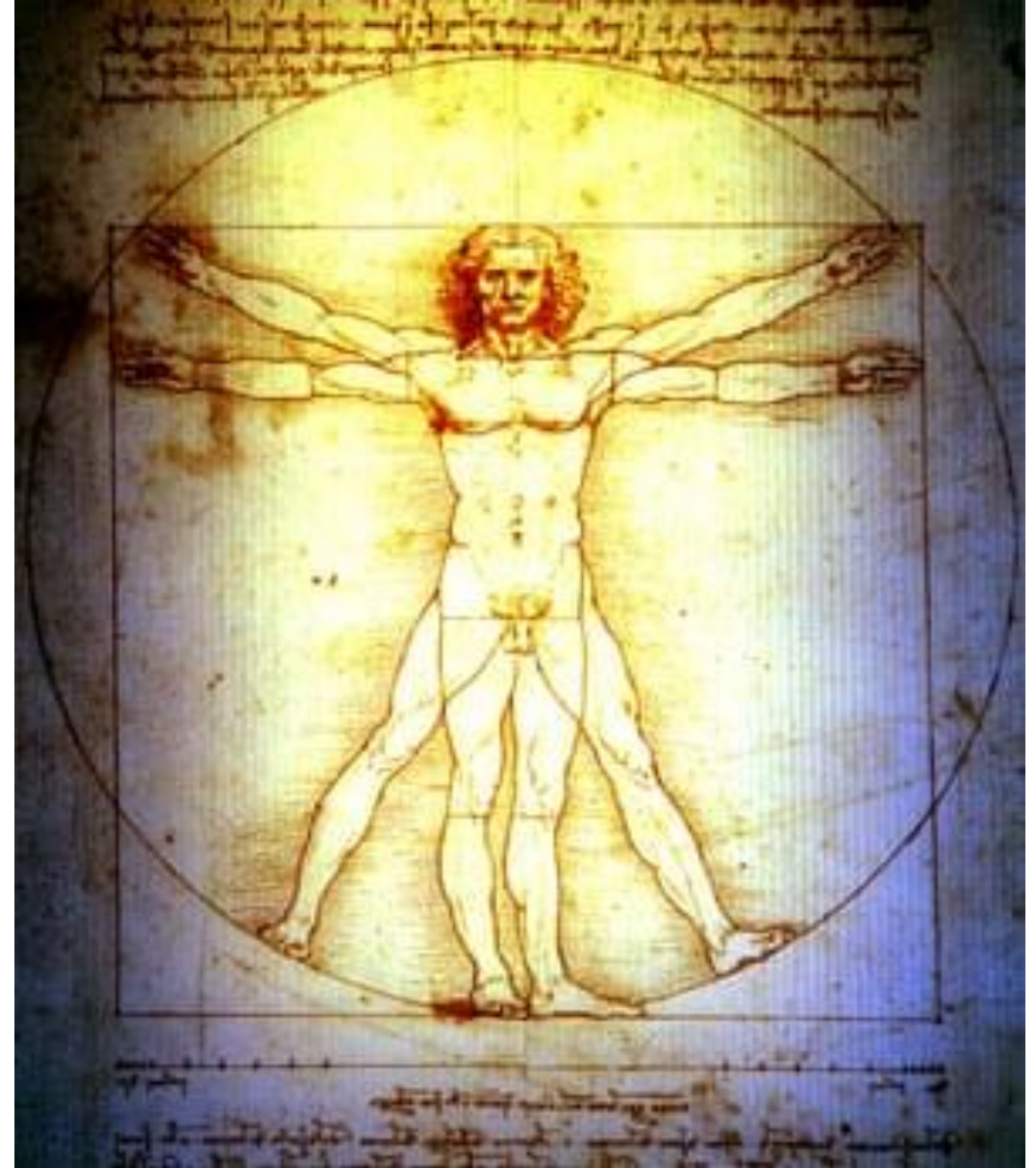
More comorbidities

Risk appetite

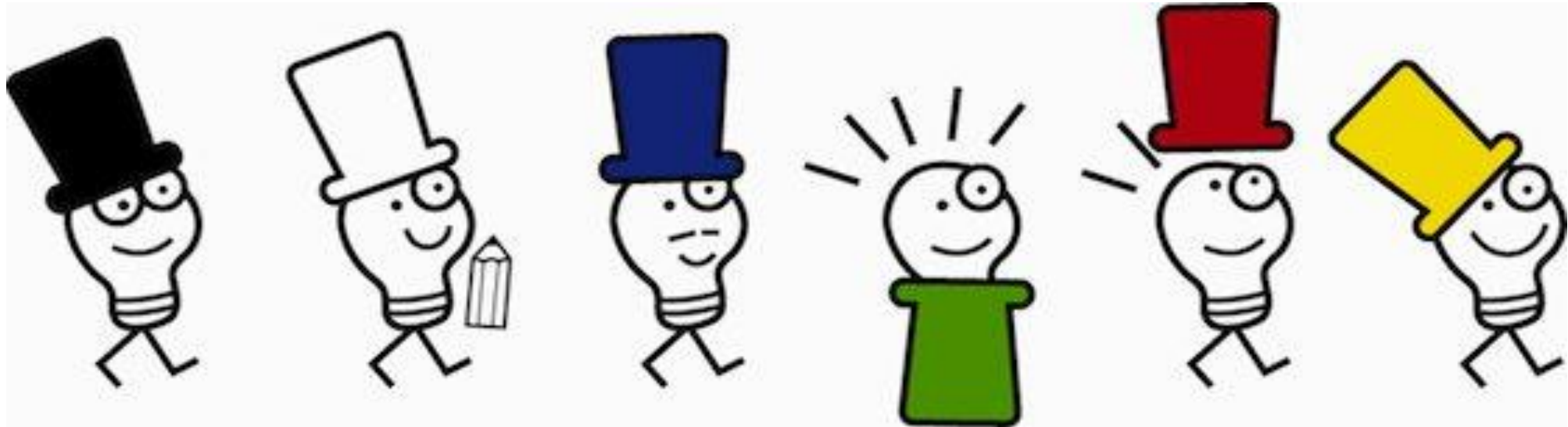
Types of donors

Diversity and inclusion factors

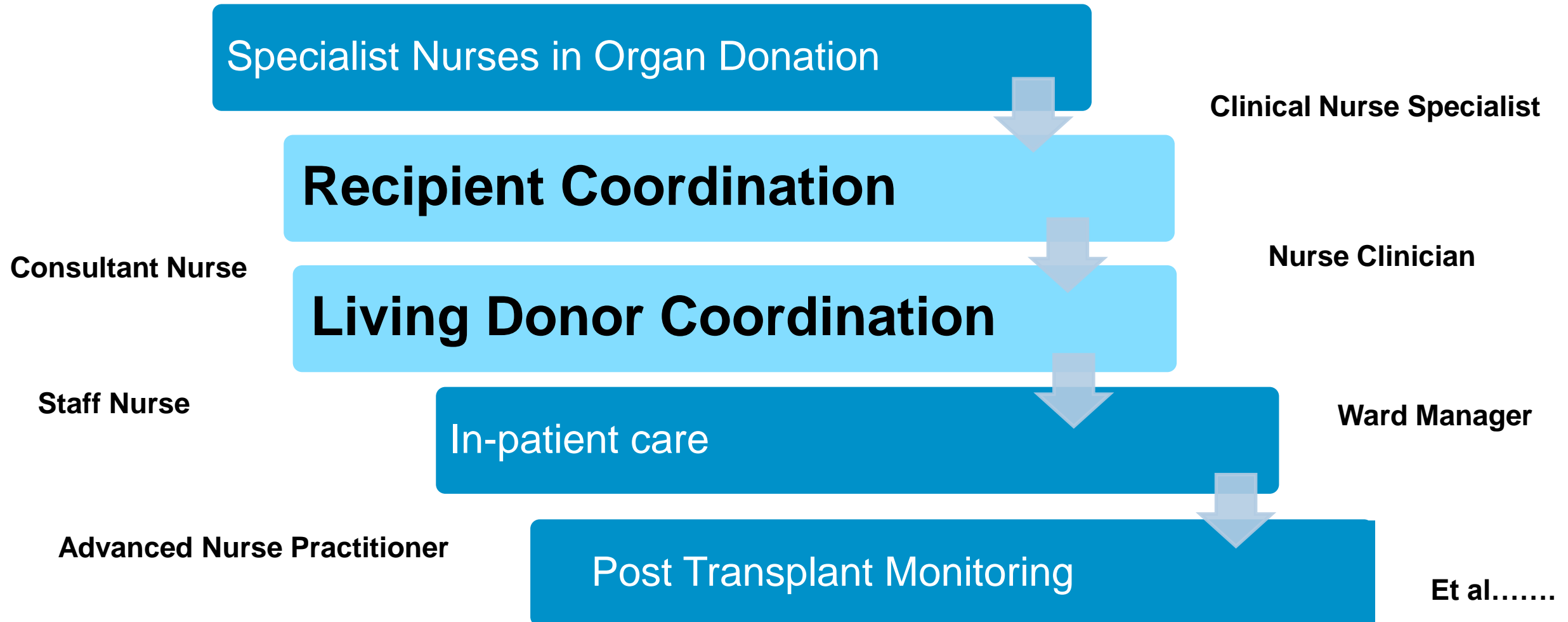
New technologies



Your Role?



Multiple Roles



Teamwork

Organ donation and transplantation
is a team sport



What do the various organisations do?



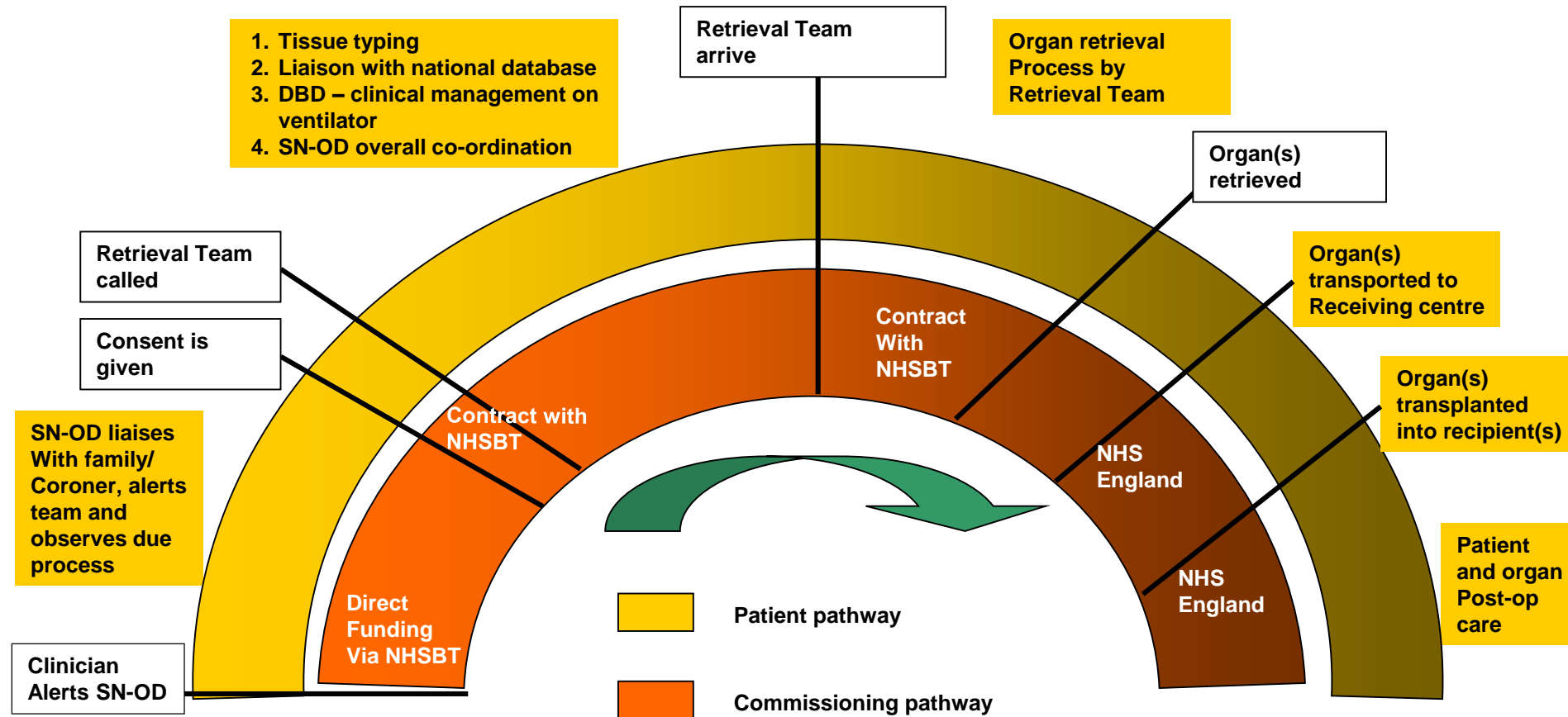
Yes I donate
ORGAN DONATION

Specialist Health Authority and public body of the Department of Health

Established in 2005 by merging UK Transplant and the National Blood Service

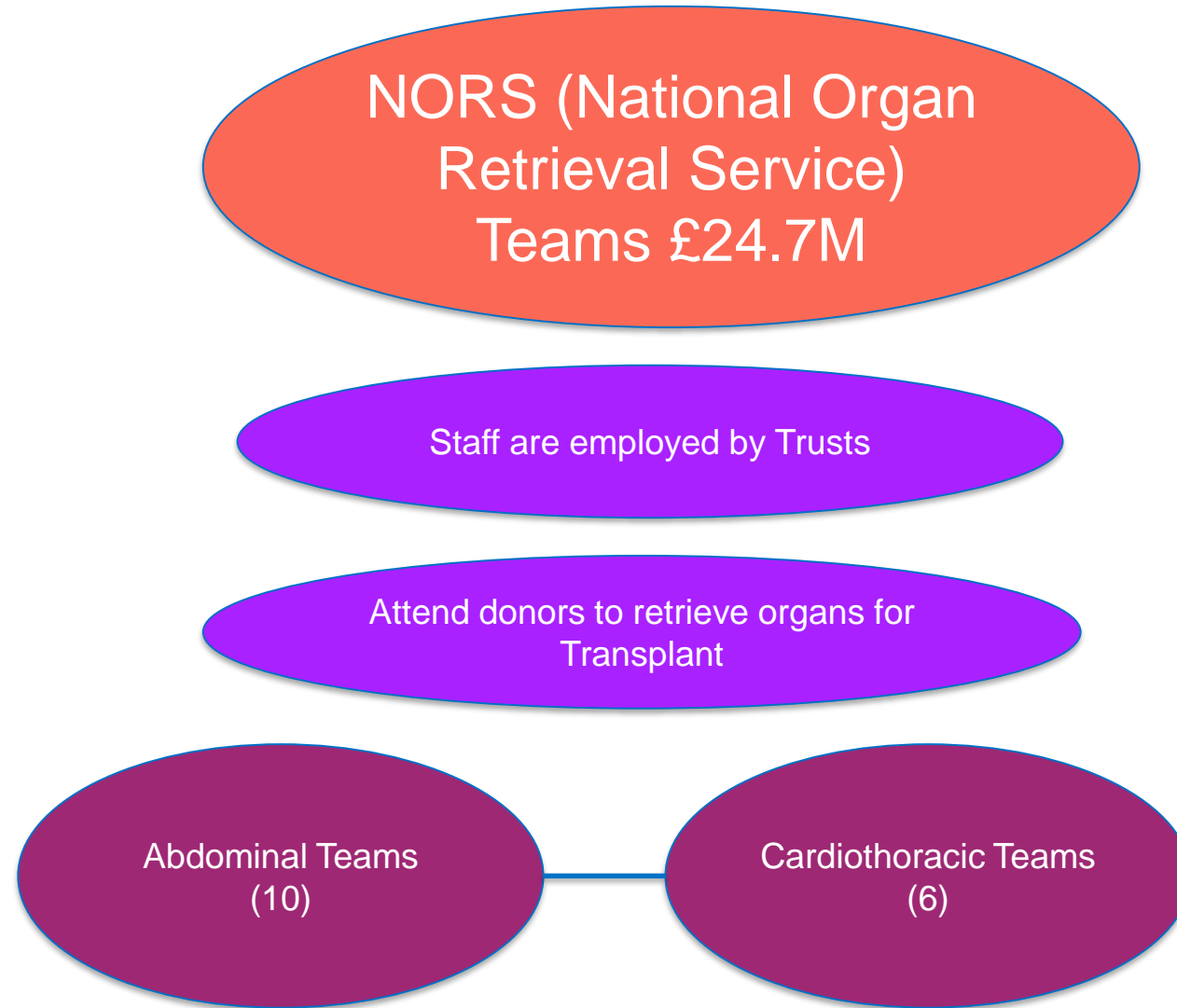
Provides a reliable, efficient supply of blood, organs and associated services to the NHS

Deceased Donation Pathway: Commissioned by NHSBT*



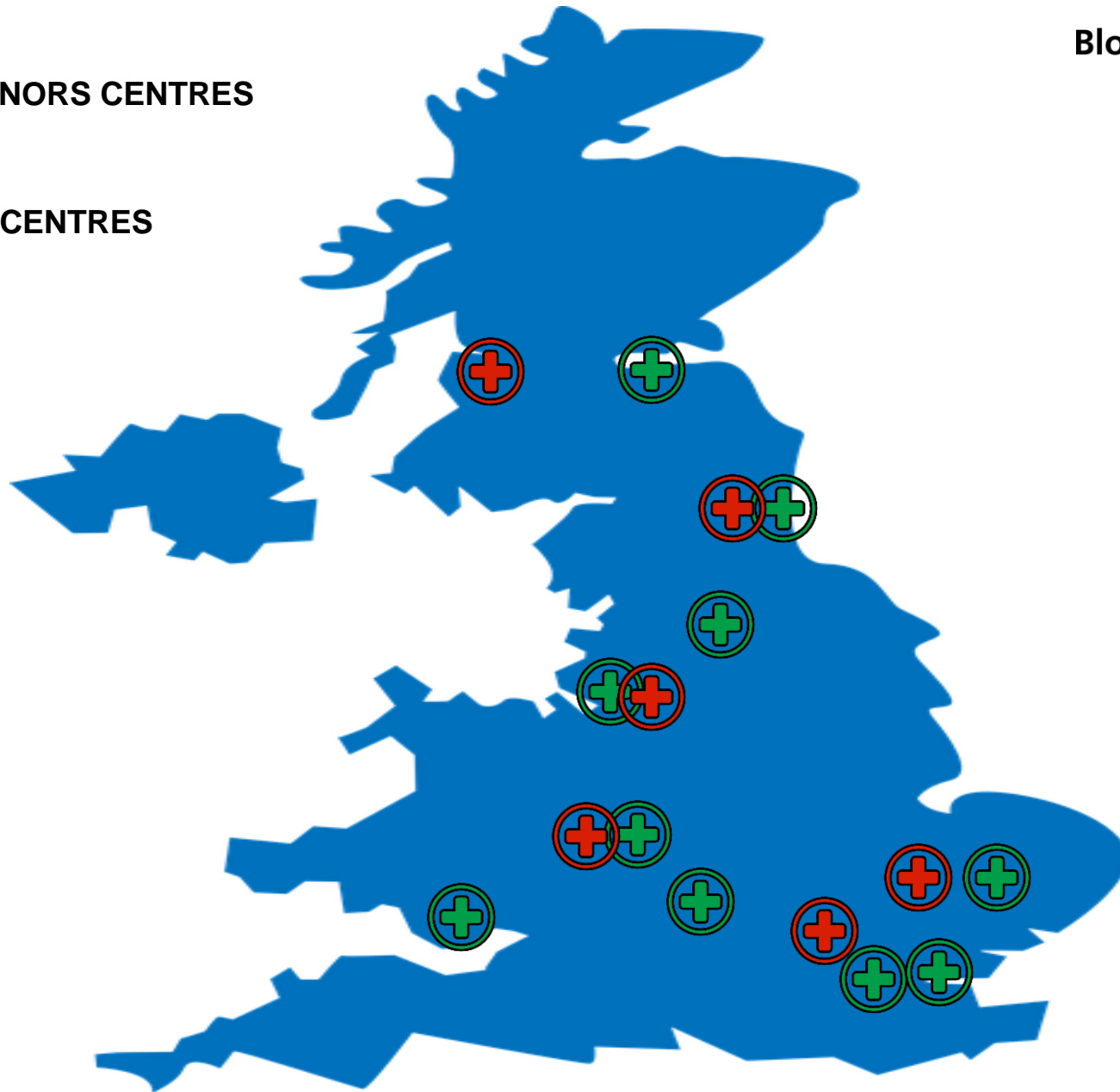
*Directorate of Organ Donation and Transplantation (ODT) Commissioning

What does this mean in ODT?



 **CARDIOTHORACIC NORS CENTRES**

 **ABDOMINAL NORS CENTRES**



NHSBT Engagement with Recipient Coordinators and Living Donor Coordinators

Appointment of Lead Nurse Roles

Solid Organ Advisory Groups

Coordinator Representation

Data Collection and Registry

Solid Organ Advisory Groups

- Cardiothoracic (CTAG)
- Liver (LAG)
- Pancreas (PAG)
- Kidney (KAG) and Paediatric KAG (KPAG)
- Bowel (BAG)
- Multi-visceral and Composite Tissue (MCTAG)
- Research, Innovation and Technology (RINTAG)
- Retrieval (RAG)
- Multi-disciplinary Professionals and Lay People

What do they do?

- Work with NHSBT on policies/schemes for organ offering, retrieval and utilisation
- Discuss and approve recommendations for changes in practice relevant to the organ group
- Consider impact of changes on future policy and on the wider ODT programme
- Consider new technologies
- Debate and determine the 'rules' governing the organ group



HTA

Human Tissue Authority


Human Tissue Authority

- Human Tissue Act 2004 & Human Tissue Act (Scotland) 2006
- Human Tissue Authority (HTA) is the regulatory body
- Regulates removal, storage and use of human tissue for research and medical treatment
- Ensures human tissue and organs are used safely, ethically and with proper consent
- Under EU law, the HTA licenses and inspects organisations across the UK to ensure the quality and safety of organs that are intended for transplantation
- Give approval for organ and bone marrow donations from living people
- NHSBT has an assisted function to HTA (SAEARs)


European Union Organ Donation Directive (EUODD)

- The Directive is implemented by HTA
- Sets minimum standards for quality and safety of human organs for transplantation
- Increased public confidence in the quality and safety of donated organs
- Written into UK law via 'Quality and Safety of Organs Intended for Transplantation Regulations 2012'
- Transplant centres receive their HTA license under these regulations

Information and Resources

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www.odt.nhs.uk

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Welcome to the British Transplantation Society

JOIN US!

Our membership is open to everyone working professionally in the field of transplantation, whatever your role. It includes clinicians from a wide range of specialities, basic scientists, scientists working in Histocompatibility and Immunogenetics, nurses, donor coordinators, professions allied to medicine and ethicists and more.

There are significant opportunities and professional benefits for members and we strongly encourage all those working in the field to join us to ensure that we are truly representative of the sector and to help make our voice even stronger.

The voice of transplantation professionals in the UK, providing leadership, representation and guidance for the benefit of our patients.

This purpose is supported by four strategic objectives:



ADVANCE

To advance scientific and clinical research and innovation relevant to the practice of transplantation.



INFLUENCE

To influence public opinion and operational strategy relevant to transplantation.



PROMOTE

To promote excellence in professional standards and ethics across the multi-disciplinary transplant community.



CONTRIBUTE

To contribute to the advancement of transplantation, from organ donation to long-term follow up, to maximize patient and graft outcomes for all organs.

Become a member:

www.bts.org.uk/membership

Congress 2020

4th-6th March, ICC Belfast



UPCOMING EVENTS

Living Donor Forum & Winter Ethics
Symposium 2019

"Expanding the Living Donor Pool:
Incentives & Beyond"

28th November 2019
Park Inn by Radisson, York



For more information visit:
<https://bts.org.uk/events-meetings/>

Acknowledgements

NHS Blood and Transplant colleagues- slide sets and activity data

Transplant centres and referring renal units- data collection

NHSBT data, latest statistics and resources available at www.odt.nhs.uk

International data from Global Observatory <http://www.transplant-observatory.org/download/6732/>

Professional standards and guidelines www.bts.org.uk

www.nhsbt.nhs.uk

www.odt.nhs.uk

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