

Utilisation of deceased donor kidneys – an update

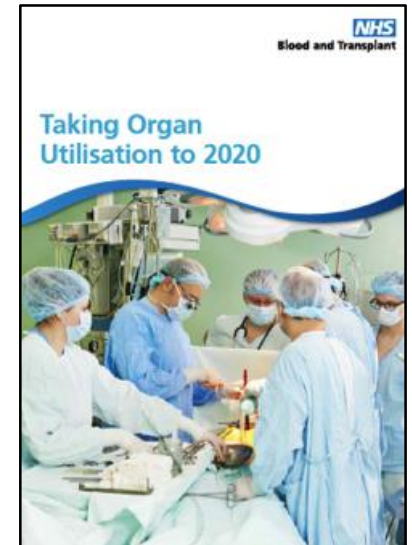
Chris Callaghan

Abdominal Organ Utilisation Lead, NHSBT

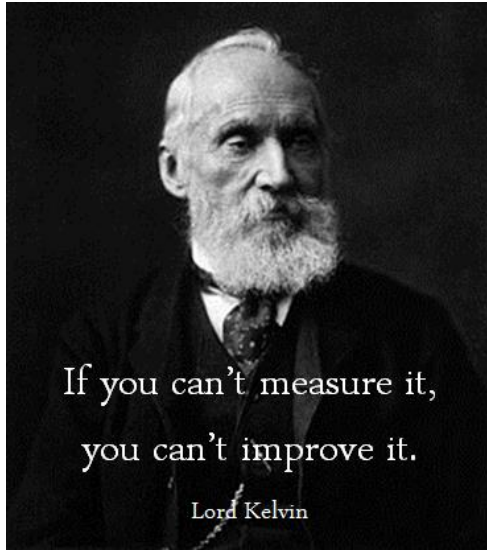
Consultant Surgeon, Guy's Hospital

Overview

- Measurement of organ utilisation
- Deceased donor kidney offer scrutiny schemes
- Organ imaging pilot
- UK evidence-base



Organ utilisation metrics

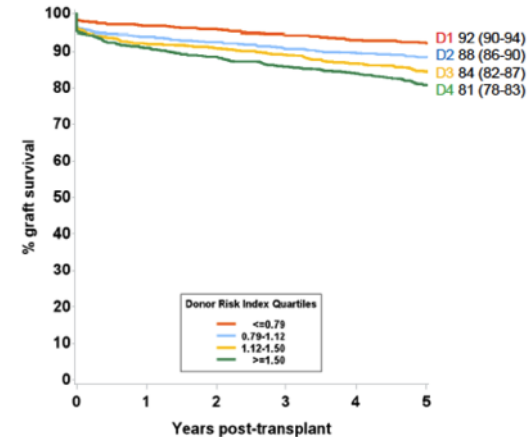


Organ utilisation metrics

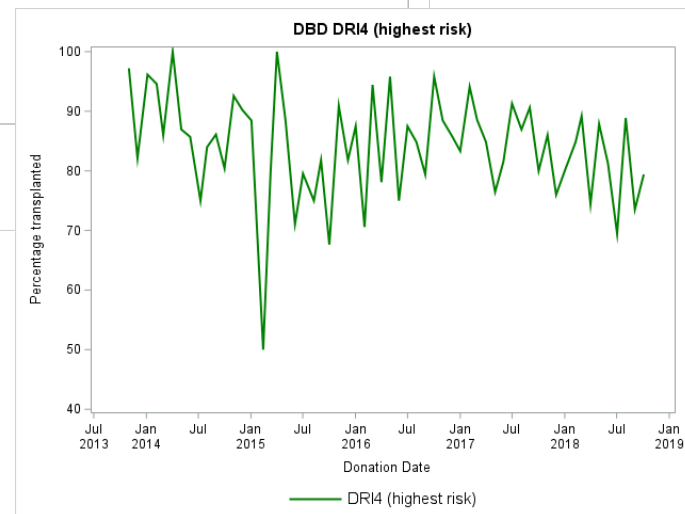
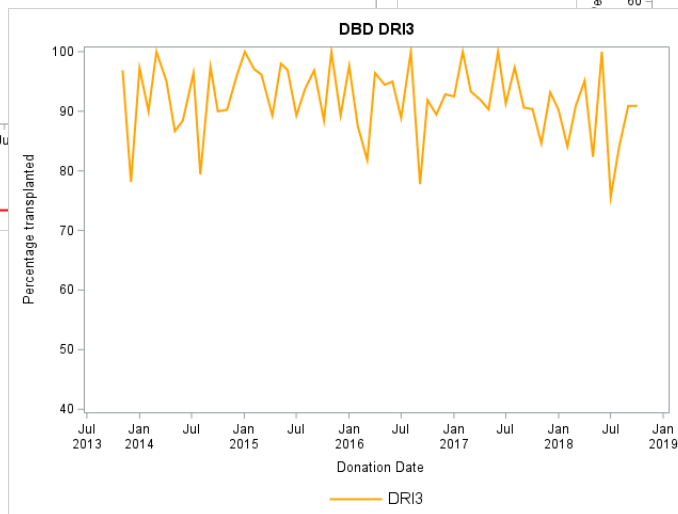
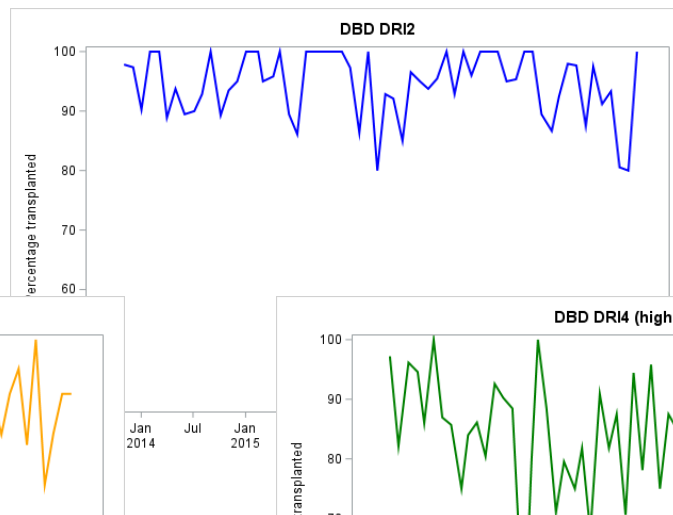
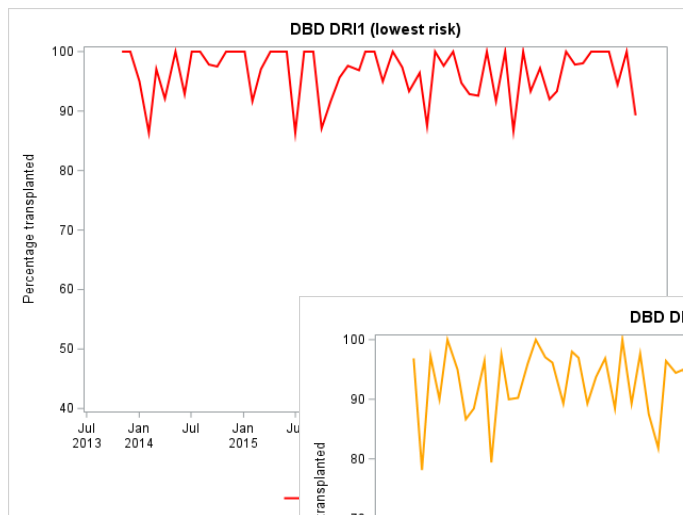
- 1) 'Ideal' deceased kidney donor, using CDDF variables
 - Age >10 and <50 years **AND**
 - No malignancy **AND**
 - HBsAg neg **AND** HCV Ab neg **AND** HIV neg **AND** HTLV neg **AND**
 - No hypertension **AND**
 - No diabetes **AND**
 - No UTIs in current admission

Organ utilisation metrics

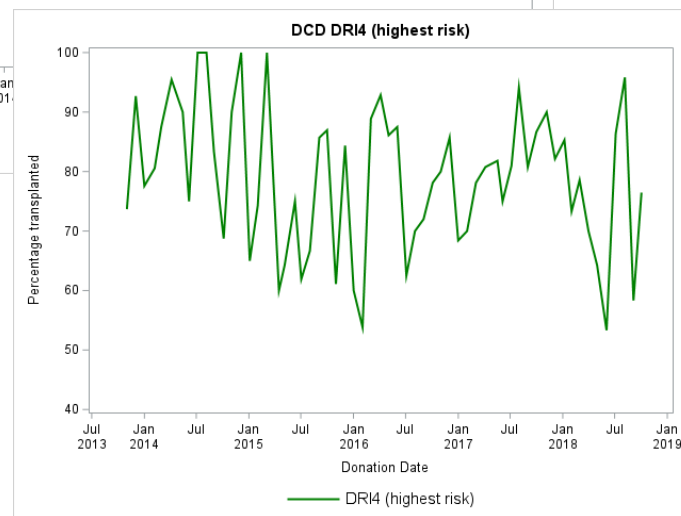
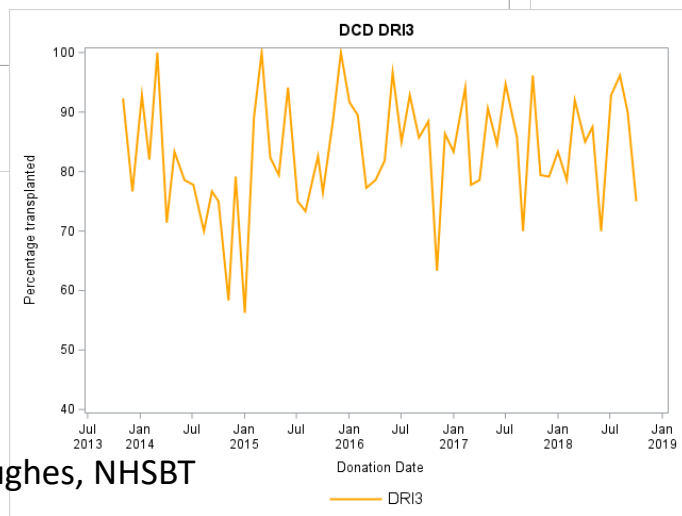
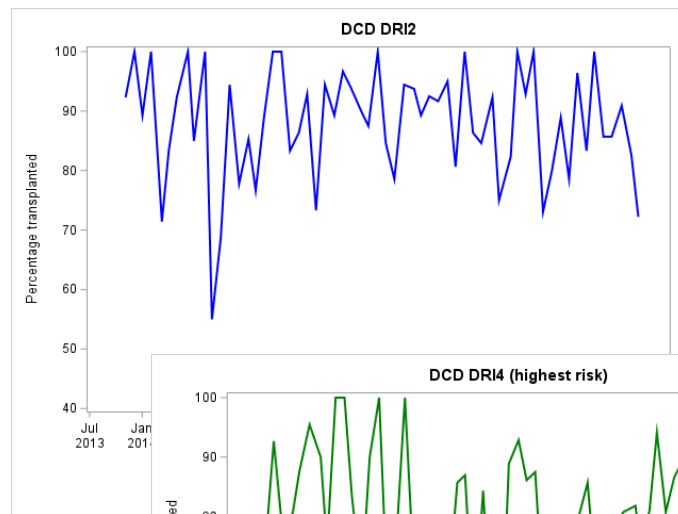
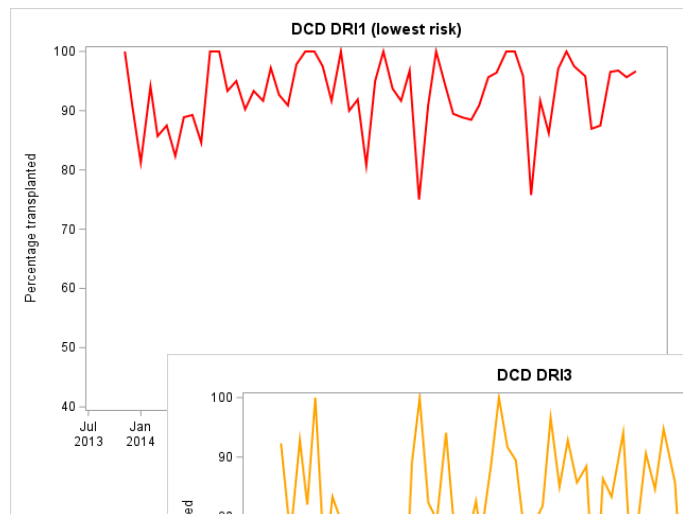
- 1) 'Ideal' deceased kidney donor, using CDDF variables
- 2) 'New UKKDRI' quartile (Mumford 2018)
 - Donor age, height, history of HT, CMV status, gender, hospital stay, eGFR at time of offering



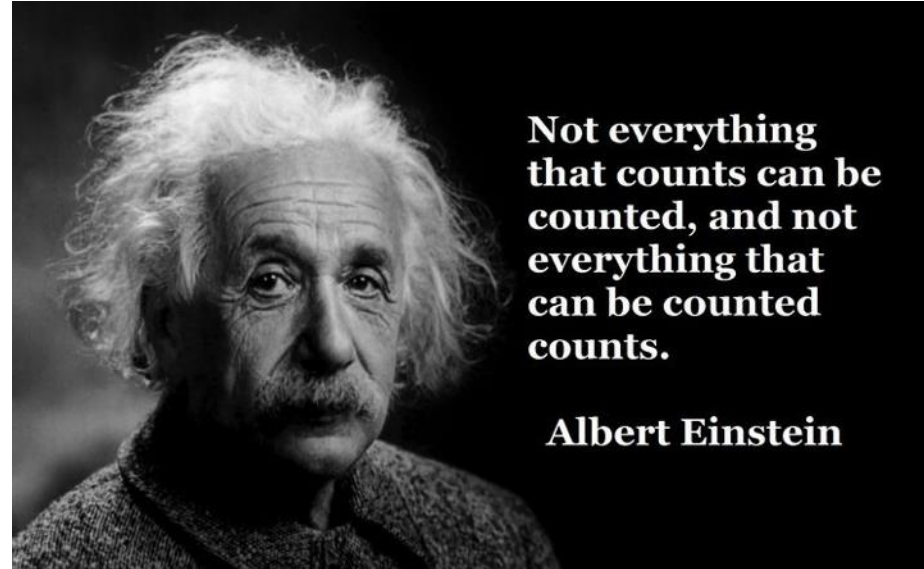
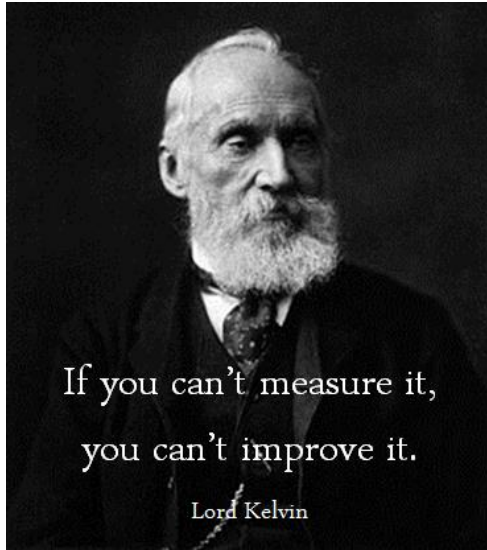
Organ utilisation metrics



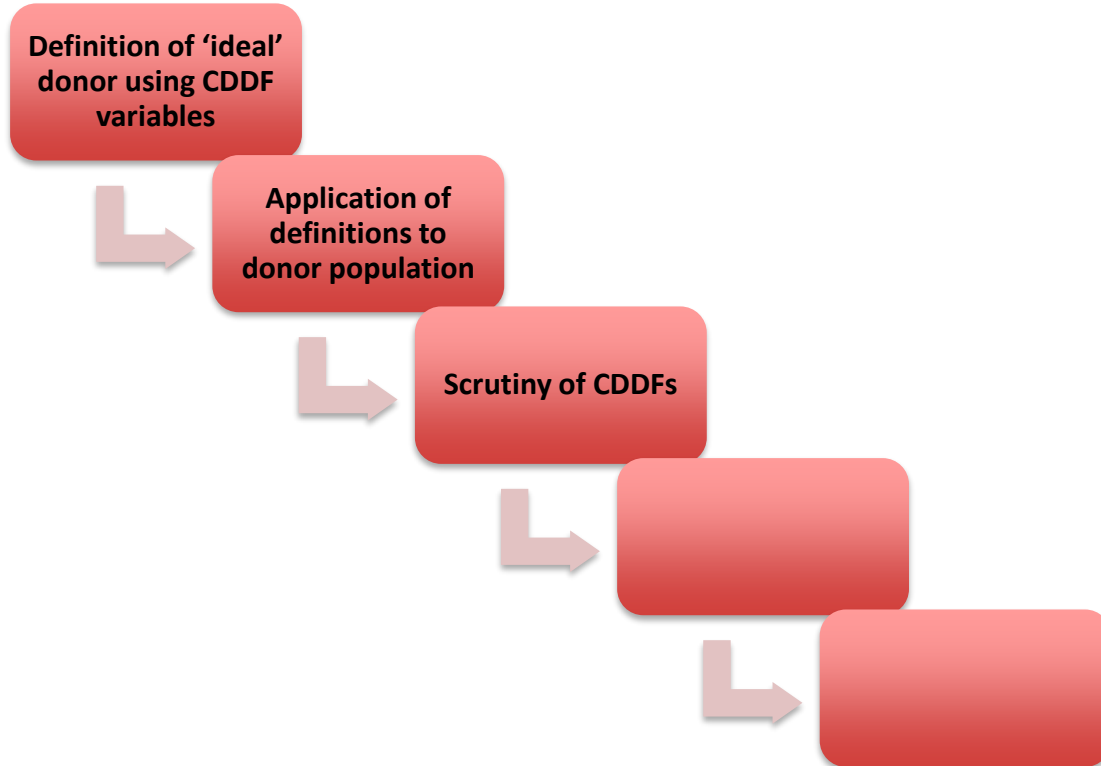
Organ utilisation metrics



Organ utilisation metrics

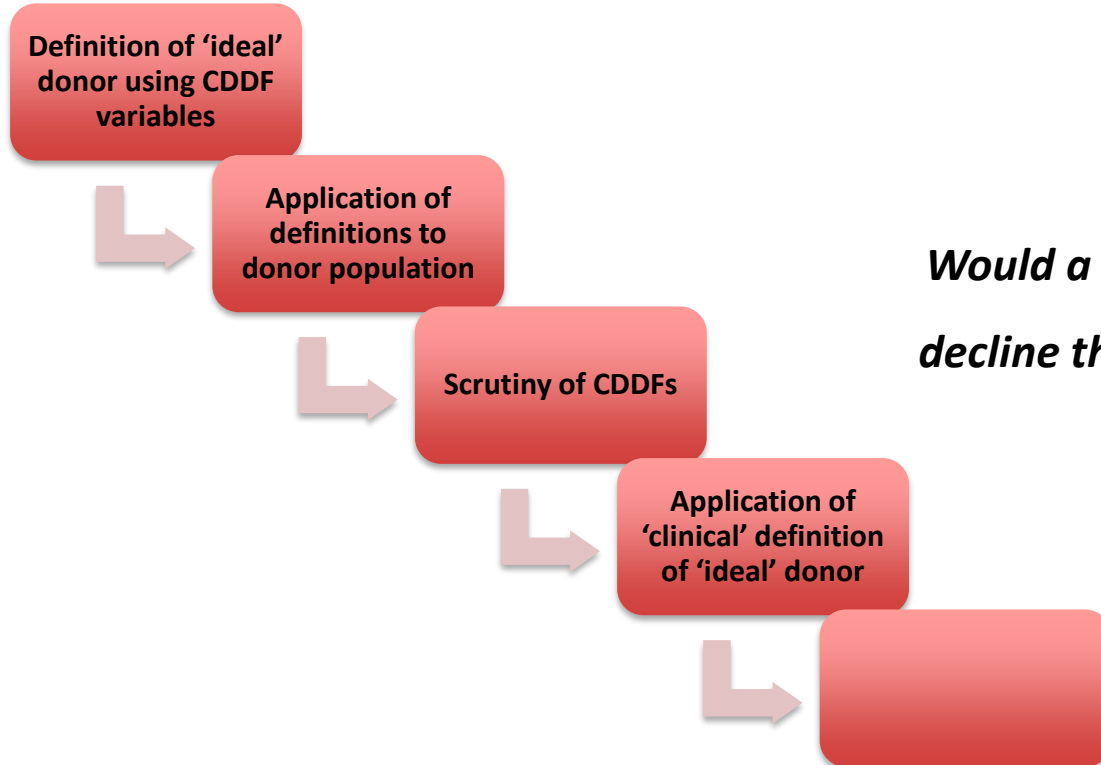


Offer scrutiny schemes



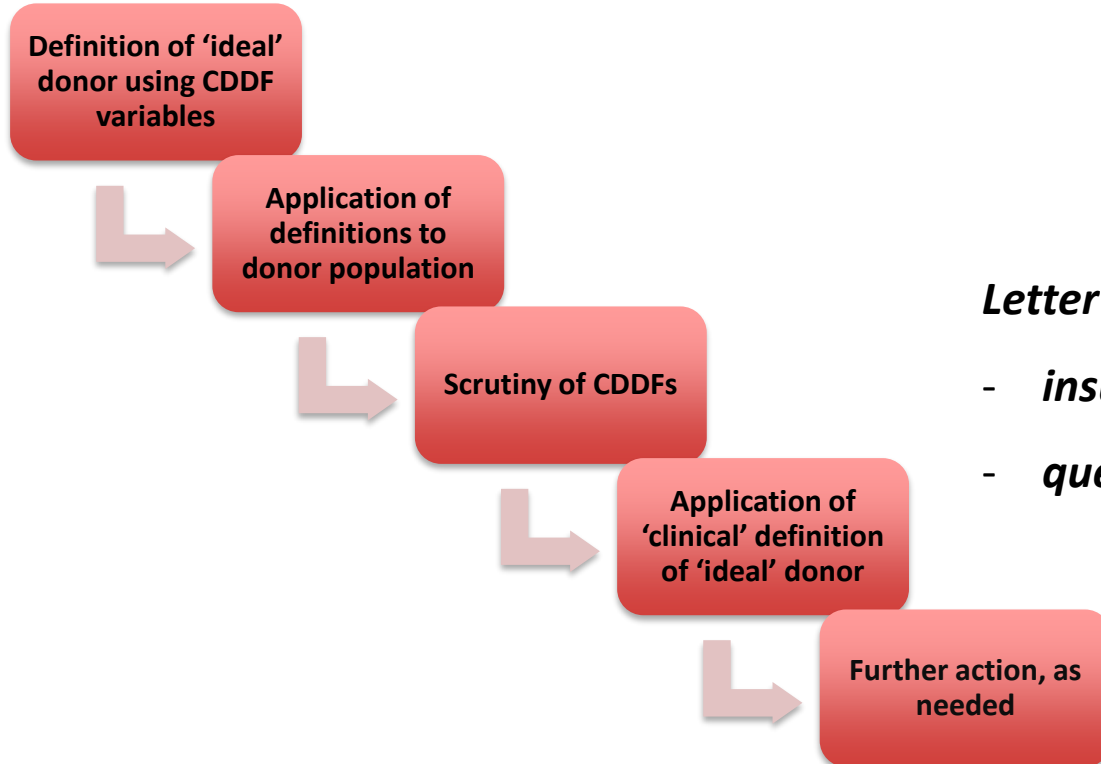
Kidney 'ideal' donor CDDF criteria
Age >10 and <50 years
No malignancy
HBs Ag neg
HCV Ab neg
HIV neg
HTLV neg
No hypertension
No diabetes
No UTIs in current admission

Offer scrutiny schemes



Would a reasonable transplant clinician decline this offer (or discard this organ)?

Offer scrutiny schemes



Letter of enquiry to unit lead if:

- *insufficient NHSBT data and/or*
- *queries about utilisation decisions*

Offer scrutiny schemes

Donor group	Recipient group	Utilisation decision analysis	Scheme open	Letters sent
'Ideal' kidney donor	NKAS ¹ named-patient offer	Organ <u>discard</u>	13.11.17	4 (4 units)

¹National Kidney Allocation Scheme

²Port FK et al, *Transplantation* 2002

³Waiting time >7 years, cRF >85%, or 0-0-0 MM

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Offer scrutiny schemes

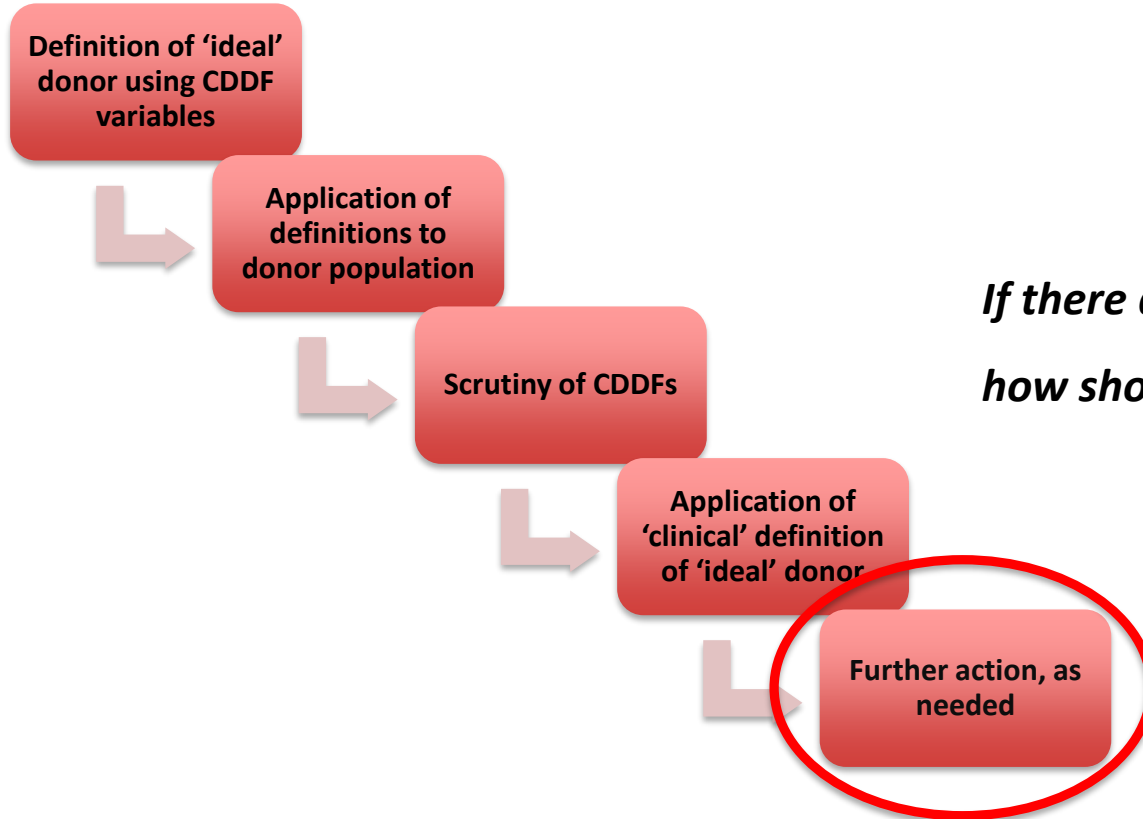
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Standard criteria kidney donor ²	NKAS ¹ named-patient offer to high priority patient ³	Offer <u>decline</u>	5.2.18	12 (8 units)

¹National Kidney Allocation Scheme

²Port FK et al, *Transplantation* 2002

³Waiting time >7 years, cRF >85%, or 0-0-0 MM

Offer scrutiny schemes



*If there are residual or ongoing concerns,
how should this be taken forward?*

Offer scrutiny schemes

- KAG discussion
 - RED: major concerns (for escalation to John Forsythe)
 - AMBER: residual concerns (defined as 'event' for CUSUM)
 - GREEN: no concerns, not an 'event'
 - Oversight group
 - Chris Callaghan (NHSBT / Guy's), Gareth Jones (RFH), Imran Saif (Plymouth), Adam Barlow (Leeds), Lorna Marson (Edinburgh), Julia Mackisack (lay member)



Organ imaging pilot

- Delays due to IT issues with emails to non-nhs.net addresses
- Deceased donors
 - Aged 65 years+ **OR**
 - Anything other than ‘good’ perfusion after back-table flushing **OR**
 - Injuries / damage **OR**
 - Any other concerns from NORS surgeon
- **Start date March 28th 2019 (18 month pilot)**
- At the time of giving the anatomy, the Hub will inform your centre if images have been taken, and will email them to an nhs.net, hscni.net, or wales.nhs.uk address

Evidence-base

- Criteria
 - Relevant to deceased donor kidney transplantation
 - Related to organ utilisation / recipient selection
 - Published after 2000, based on UK data
 - Accessible via PubMed



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

Kidney

Liver

Cardiothoracic

Pancreas

Small bowel

Ocular

Tools, policies and guidance

Pathology services

Transplant units in the UK

Organ utilisation evidence

Taking Organ



Annual Activity Report



Organ Specific Reports





Pages



All Users

100.00% Pageviews

Mar 1, 2018 - Jan 28, 2019

Explorer

● Pageviews

60

40

20

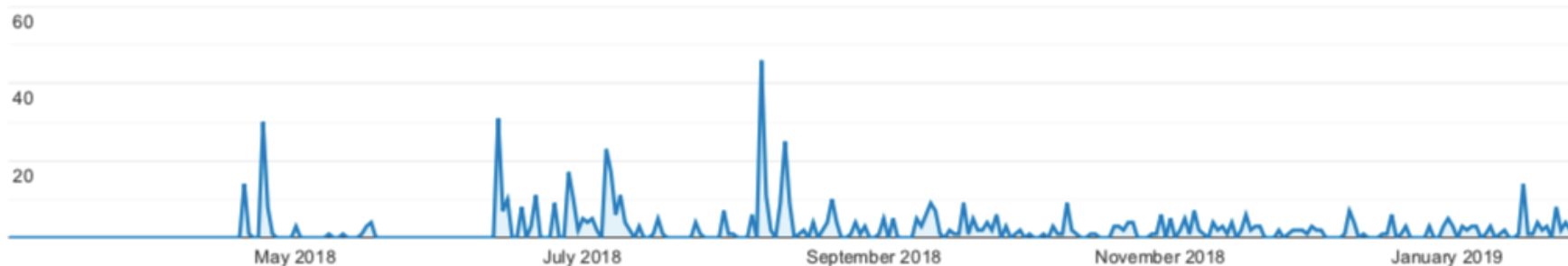
May 2018

July 2018

September 2018

November 2018

January 2019



Summary

- Selected developments in deceased donor kidney utilisation
 - Better tracking of key organ utilisation metrics
 - Increasing scrutiny of decisions at the time of offering
 - More information prior to organ transport
 - Collation of relevant evidence
- Your support and feedback are appreciated

Acknowledgements

KAG

Chris Watson

NHSBT

Jenny Mehew, Winter Hughes, Maria Ibrahim

Lisa Mumford, Rachel Johnson

Maggie Stevens, Angie Scales, Mick Stokes

Sarah Belgium, Caroline Willis

Claire Williment, Liz Armstrong

John Forsythe