



Sustainability and Certainty in Organ Retrieval (SCORE)

Advisory Groups Autumn / Winter 2025

SCORE Advisory group Update



Investment committee approval. This means we have the green light to progress the programme and to implement the structure and operating model that's been communicated widely previously.



We are now entering a development phase in NHSBT where we add more detail and data to the operating model e.g. through simulation and through collaboration (Highlights of simulation to come).



We continue to work with commissioners to determine the best route to support you with any challenges you may face.



Transplant centres are strongly encouraged to review how the changes from SCORE and local practise / arrangements can be aligned. There is approximately 1 year to go. Where changes may be required, Transplant centres should make progress to implement them.



NORS contract value: Over the summer, a letter was sent to NORS teams outlining the impact of SCORE on contract values. We understand that some people may wish to discuss this further, so it will be included as an agenda item at the upcoming RAG meeting, which is the most appropriate forum for this conversation.

A person wearing a black cap and a black and white horizontally striped long-sleeved shirt is seen from behind, standing against a light-colored wall. Their right hand is raised, palm facing forward. A dark shadow of the person is cast onto the wall to their left, mirroring their pose. The scene is lit from the right, creating a strong shadow.

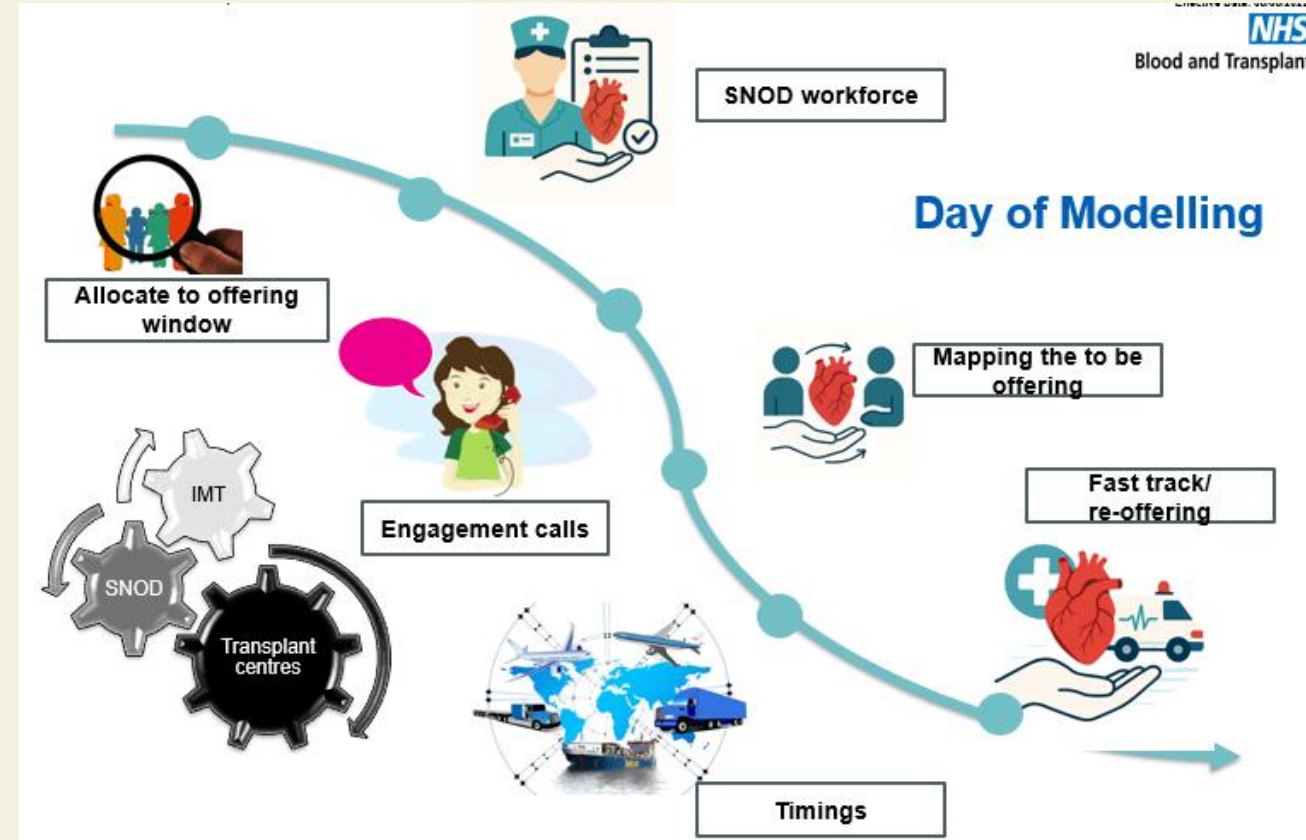
SCORE Shadow Modelling – Phase 2

Advisory Groups Sept – Dec 2025

Planned Arrival Window (PAW) Shadow modelling

Aims

- Test viability of proposed PAW timings
- Understand the operational considerations across the pathway by involving operational colleagues
- Identify barriers or issues which could impact implementation
- Build confidence in the system's readiness for change



PAW Shadow modelling – Headlines



Blood and Transplant

8 April – 24 July 2025
33 days

145 Donors
145 Abdo attendances
54 CT attendances

500 organs accepted

- 433 abdominal
- 67 cardiothoracic

99% donors attended in the first
PAW
No sequential retrievals

Of the 16 occasions (11%) donor
registered 0800-1600 in PAW+
12 occasions (75%) facilitated
that night

Of the 4/16 PAW+ not able to be
facilitated that night

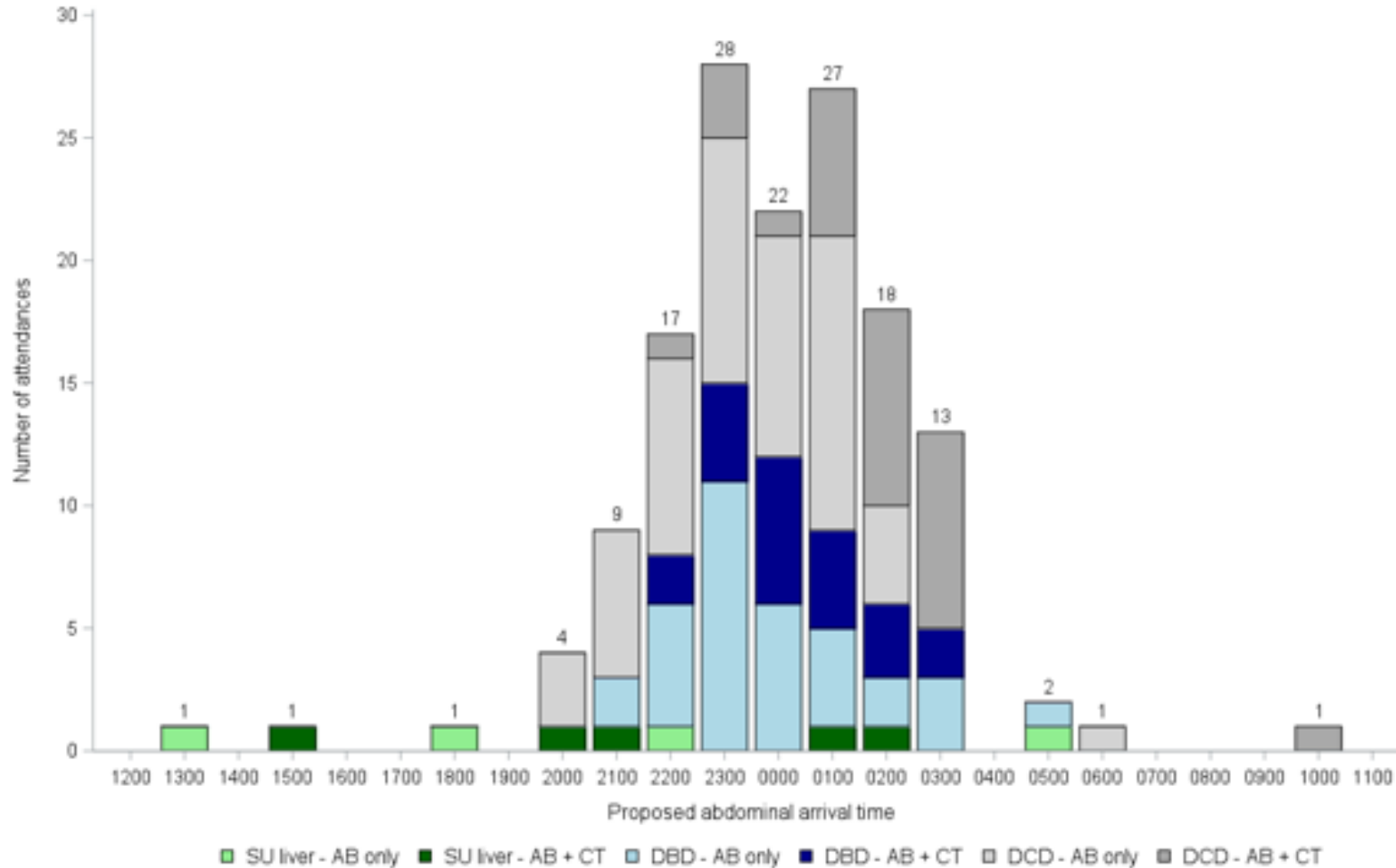
- 3 CT (2 DCD H)
- 1 Abdo

95% NORS teams arrivals
between 2000-0300

8% (11 donors) priority pathway
donors.
9 with SU liver recipients.
2 required daytime retrievals

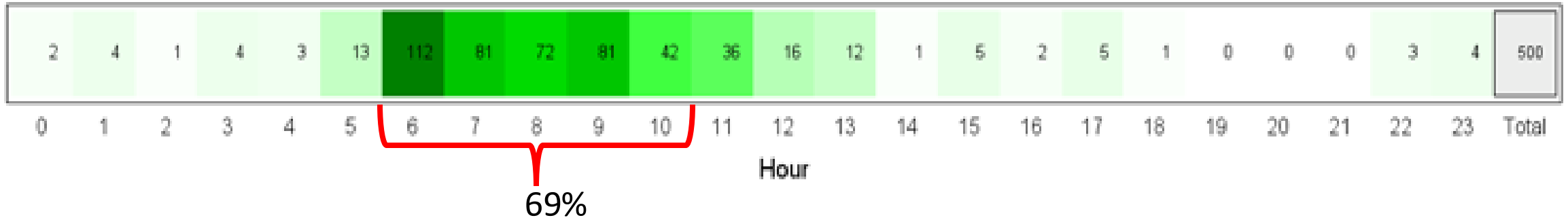
69% all organs arrive between
0600-1000.
67% abdominal
85% cardiothoracic

Simulated NORS team arrival time by donor and attendance type

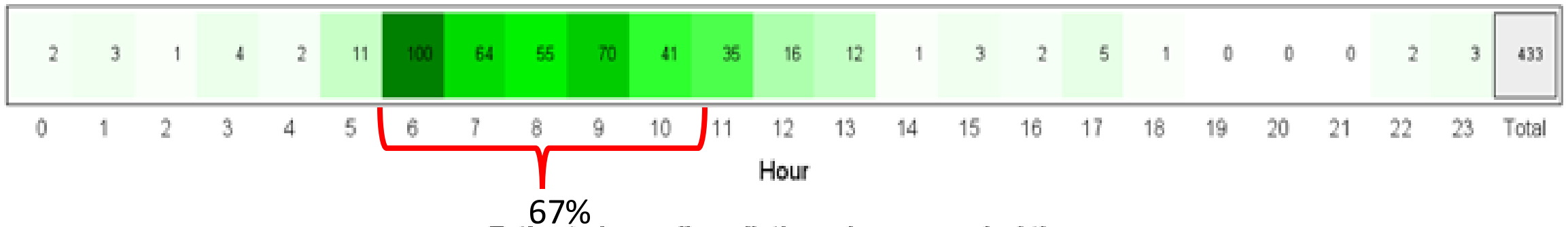


Modelling - Organ Arrival Heatmaps

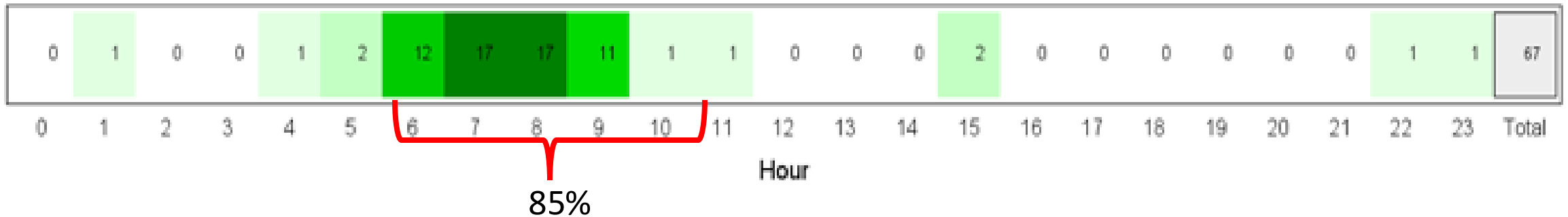
Estimated overall organ arrival time



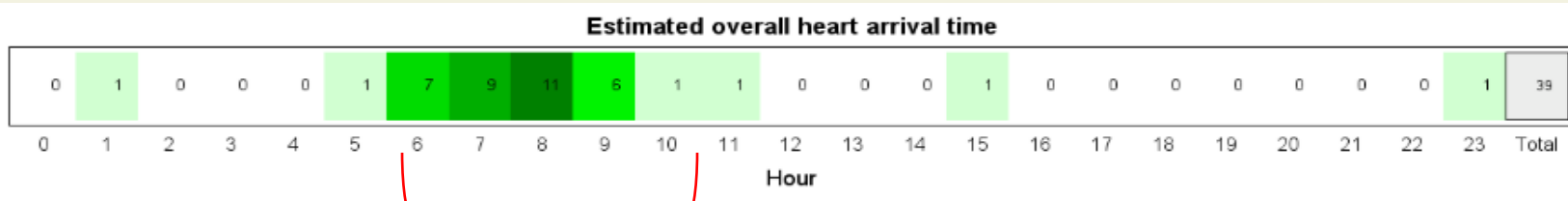
Estimated overall abdominal organ arrival time



Estimated overall cardiothoracic organ arrival time



Heart Arrival at Tx centre

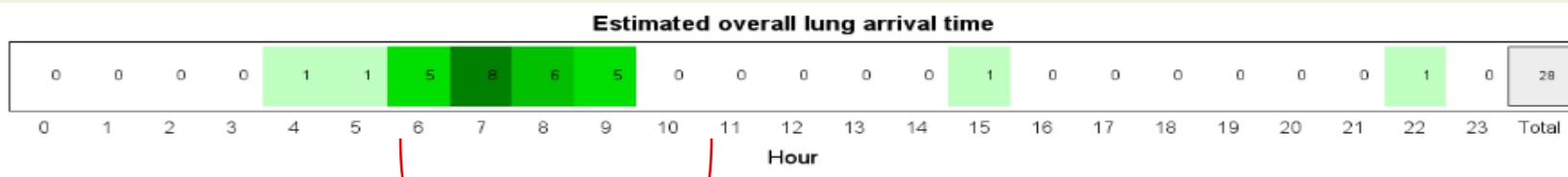


87%

- 3 occasions where CT organ involvement registered between 8am – 4pm and couldn't be considered for retrieval that evening. Of those 3, 2 were DCDH activity
- 87% of hearts arrive at Tx centre between 0600-1000.

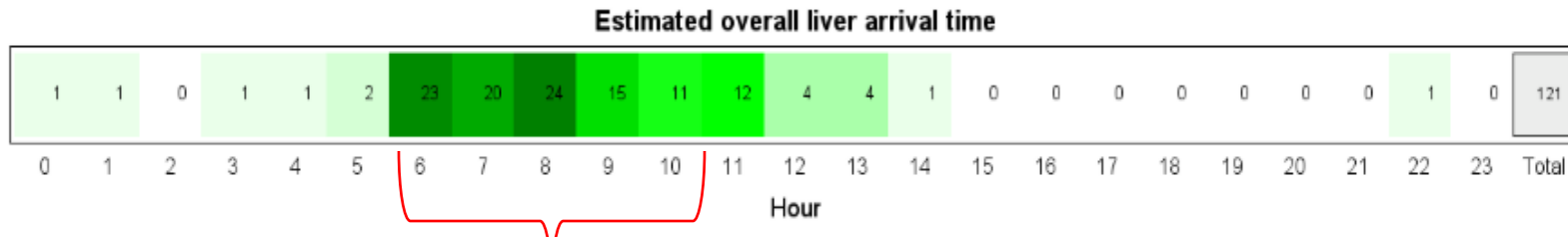
Lung Arrival at Tx centre

- 28 lungs accepted
- 86% of lungs arrive at transplant centre between 0600-1000



86%

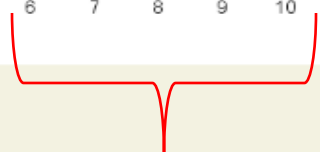
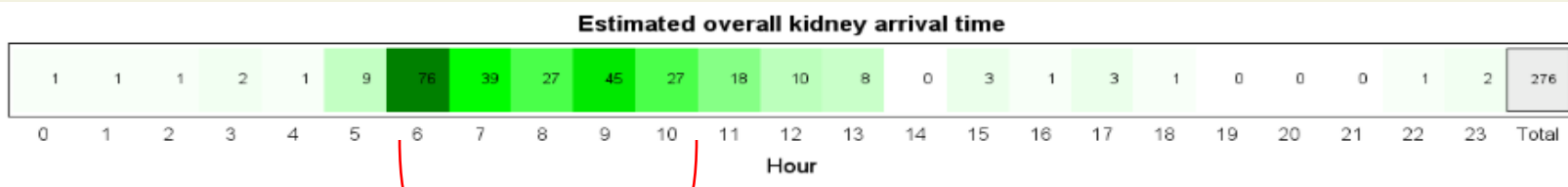
Liver Arrival at Tx centre



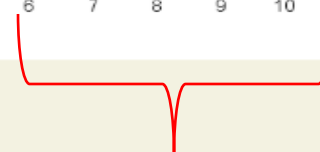
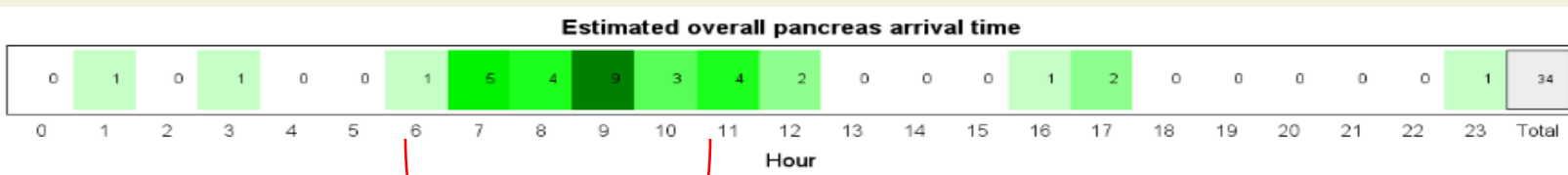
77%

- 121 livers accepted
- 11 Accelerated pathway donors, 9 of which were for SU liver, 2 required daytime retrieval.
- 77% of livers arrive at transplant centre between 0600-1000

Kidney and Pancreas Arrival at Tx centre



78%

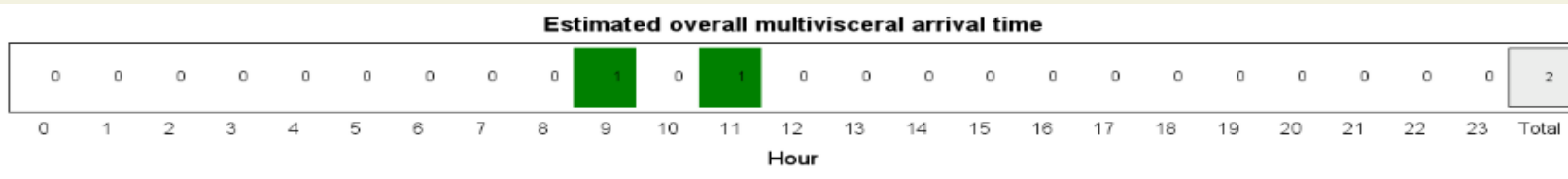


65%

- 276 kidneys accepted
- 11 Accelerated pathway donors, 9 of which were for SU liver, 2 required daytime retrieval.
- 78% of kidneys arrive at transplant centre between 0600-1000
- 34 pancreas accepted
- 65% of pancreas' arrive at transplant centre between 0600-1000

Multivisceral Arrival at Tx centre

- 2 MV cases accepted
- 50% of MV organs arrive at transplant centre between 0600-1000



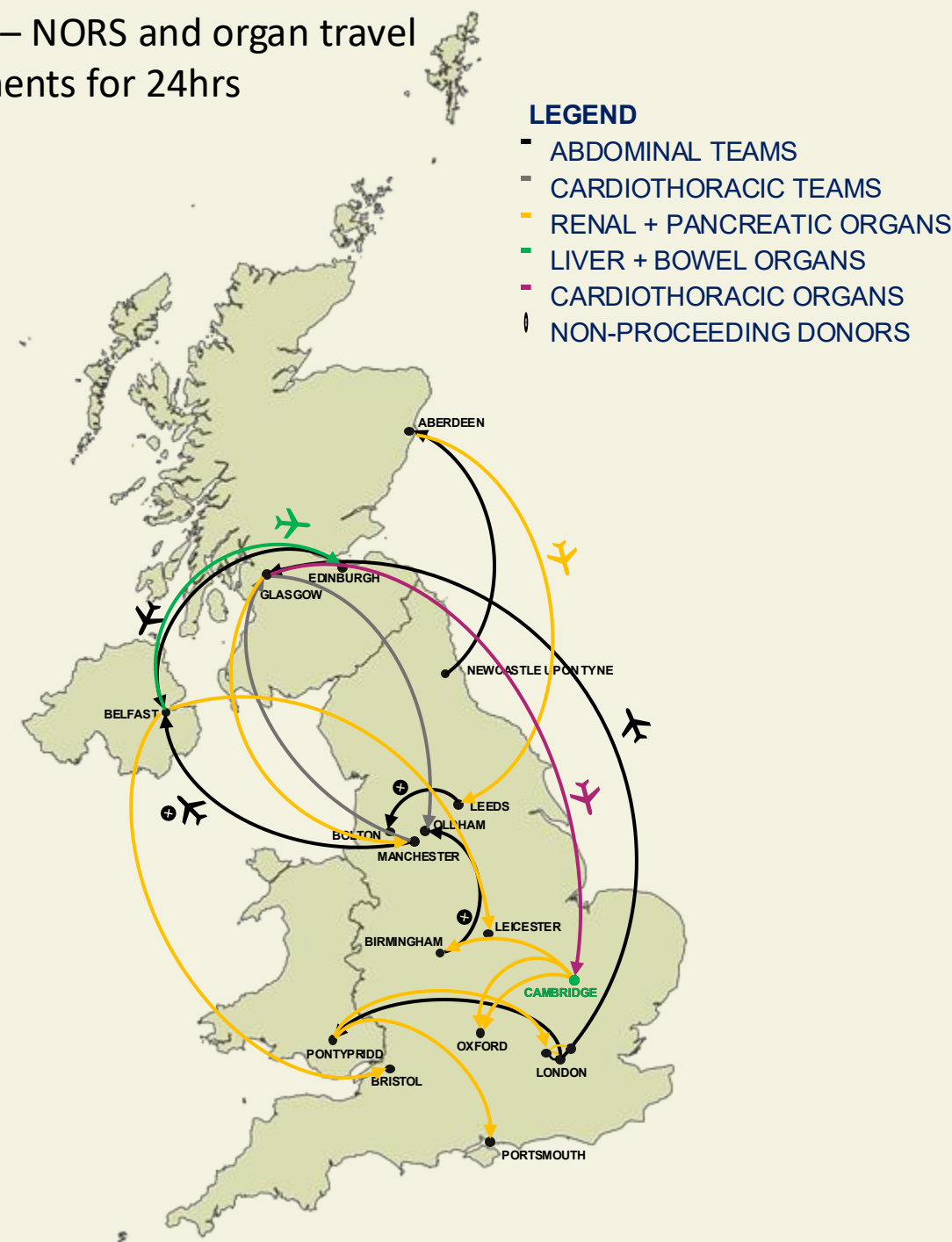
Flight impact

Aim - Better use of resources

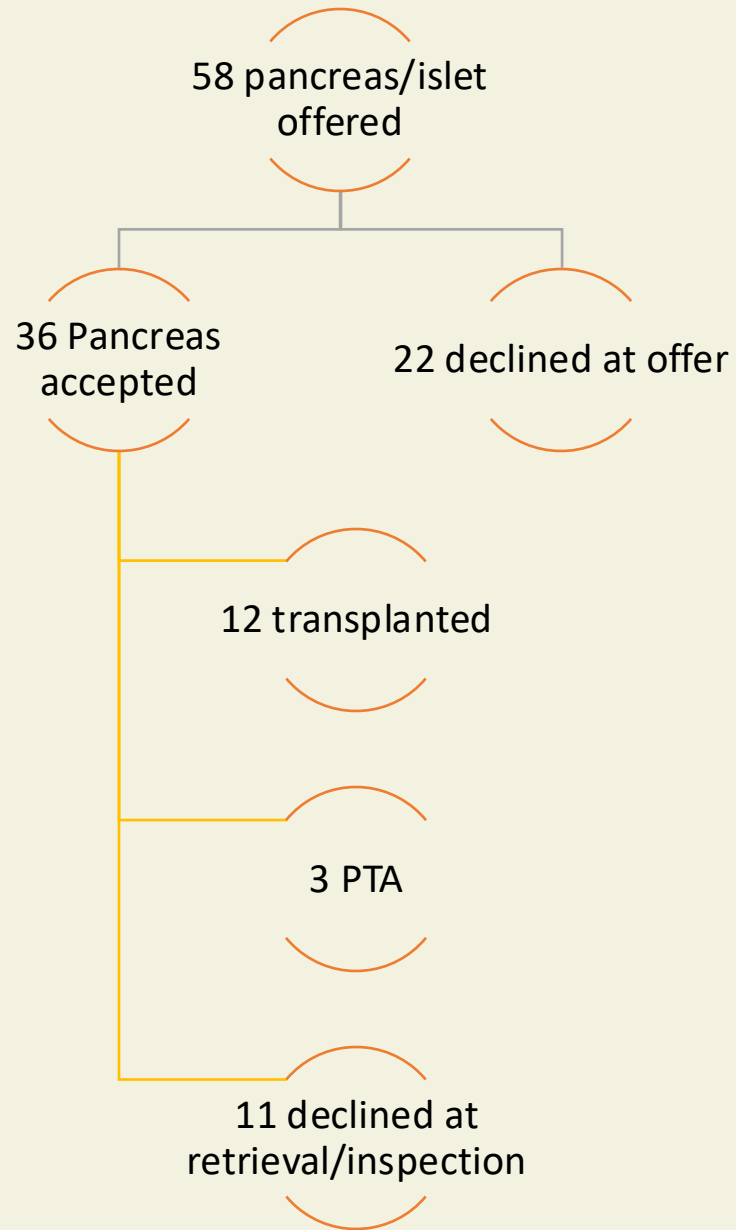
Flight type	Actual number of flights	Proposed number of flights	Difference (actual - proposed)
Organ chartered	25	21	-4
Team	19	18	-1
Total	44	39	-5

Overall an 11% reduction in flights

Example – NORS and organ travel requirements for 24hrs



Pancreas Modelling - Feb25 - July 25



Decisions needed

How do we allocate Labs

multiple donors

Donors Geographically in same location

Scenario - Islets multiple recipients

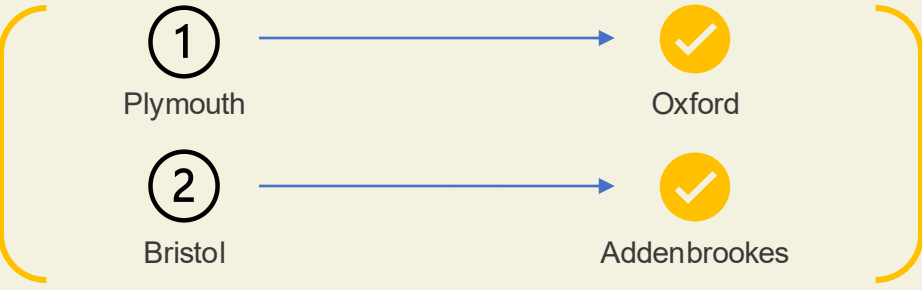
Pancreas offered for Islets

3 islets accepted for PAW

Only 2 labs available

How do we agree who uses which lab and which of the 3 accepted islets goes to isolation and which doesn't.

0800 0830 0900 0930 1000 1030 1100 1130 1200 1230

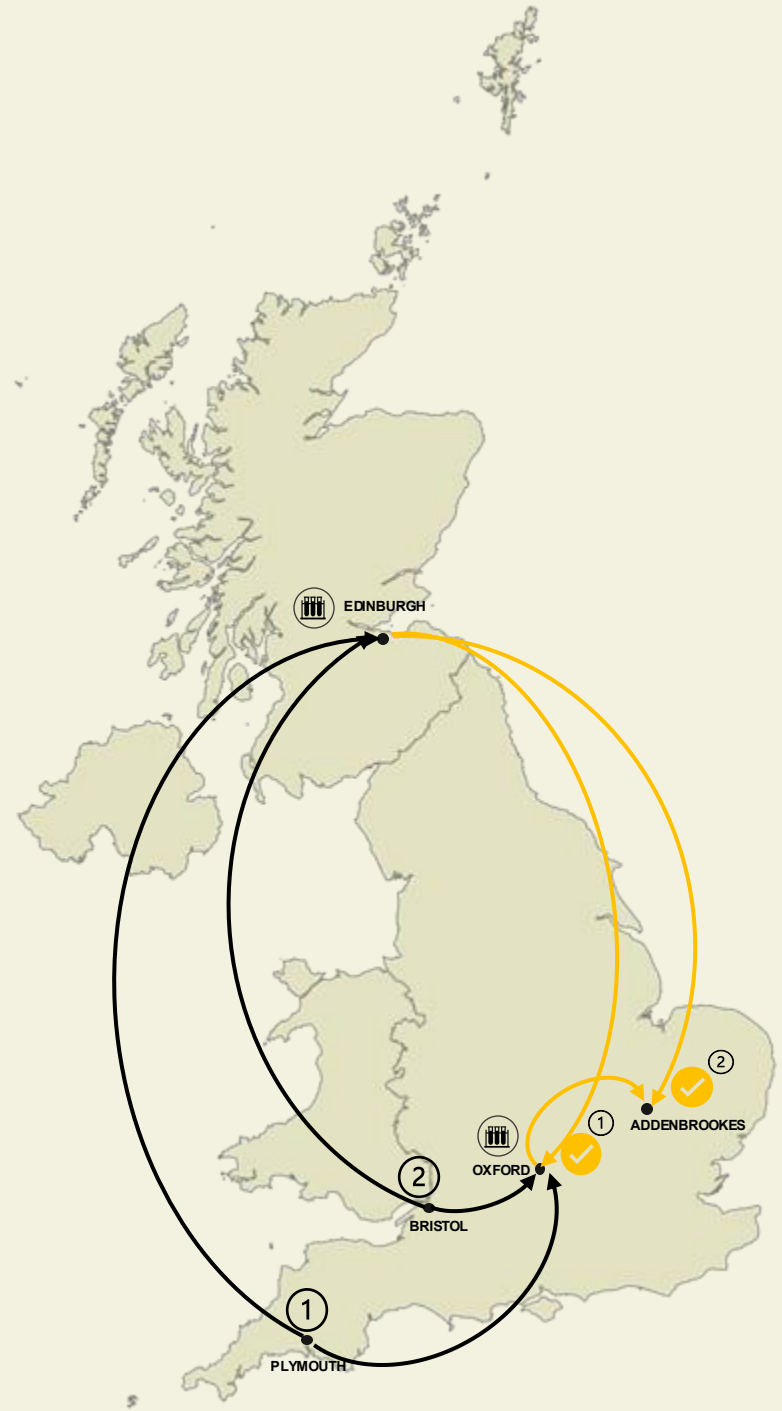


How are decisions made?

Goal:
Reducing ischemic time

Considerations:
Logistics - Airport opening times, travel time?

Scenario – lab allocation



Shadow modelling Timeline



Discovery and Engagement Phase #1

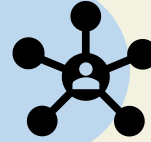
April-June 2025

- Individual centre data available on request
- Anticipate modelling to run until implementation, laying on other operational functions



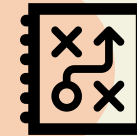
Phase #2

Apr - July 2025



Phase 2 report

Communicate outcomes and take feedback



Phase #3

September-December 2025



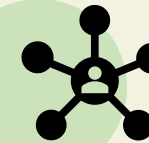
Phase 4 report

Communicate outcomes and take feedback



Phase #4

Jan – April 25




Phase 3 report

Communicate outcomes and take feedback



SCORE Go-Live



**ARE YOU
READY?**

Self Assessment survey
Updated XXXXX
30* responses

Pancreas centres



Blood and Transplant

Transplant centre name	Please rate your centre / department's current progress towards readiness for the Planned Arrival Window implementation.
Birmingham	2
Cambridge	2
Freeman Hospital, Newcastle upon Tyne	3
Guy's & St Thomas' NHS Foundation Trust, London	2
Oxford	3
Cardiff UHW	4
Addenbrooke's Cambridge	3
Manchester Abdominal (Manchester Transplant Centre)	4
Cardiff	2
Hammersmith	3

1= Not started / No progress at all
2= Started assessing centre needs but no real progress
3= Formal progress started
4= Ready to implement

Thank you



**Sustainability & Certainty in Organ
Retrieval (SCORE) - Current readiness
state**

FAQs

