

# Why are we retrieving in the day (and transplanting at night)?

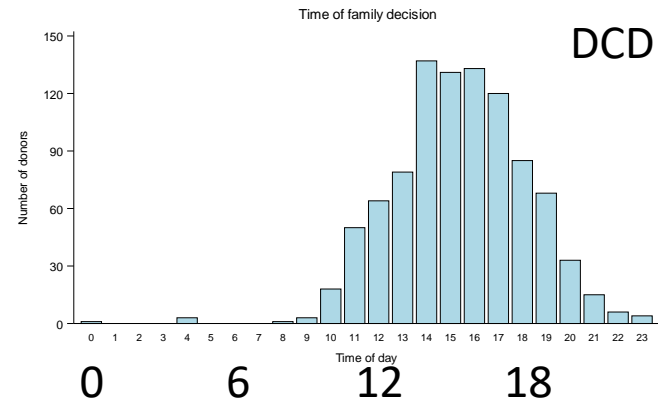
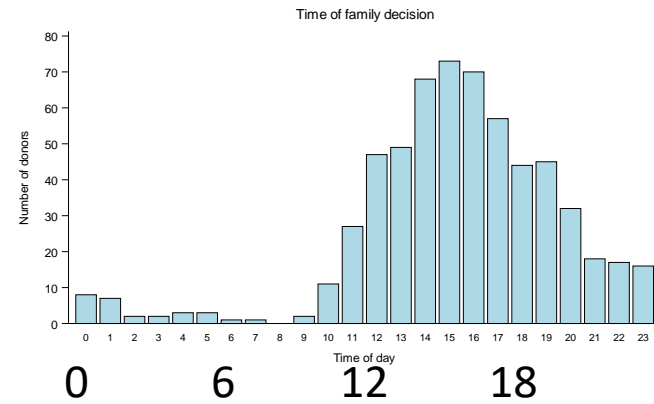
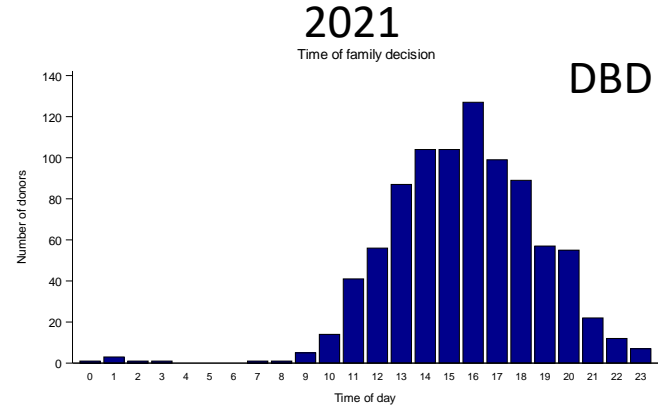
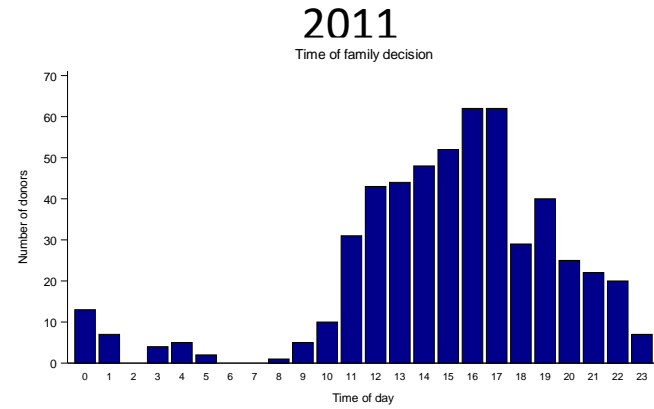
Ian Currie

Associate Medical Director (Retrieval) NHSBT

Consultant Surgeon, Edinburgh Transplant Centre

With acknowledgements to Rachel Hogg, Sarah Beale and the  
Pathway Intelligence Group, NHSBT

# NORS; Current Status



0 6 12 18

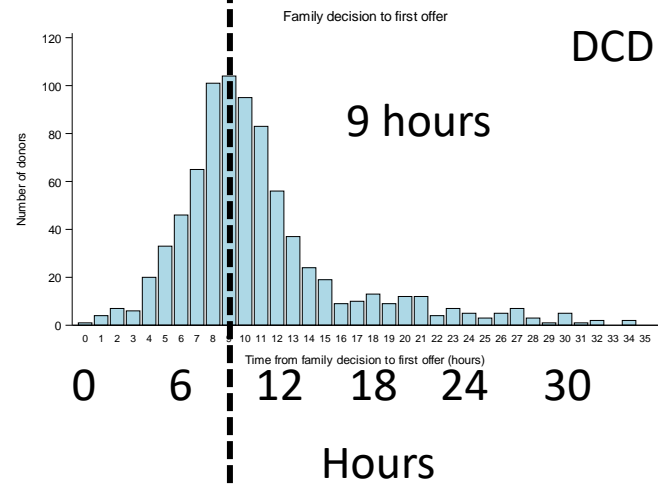
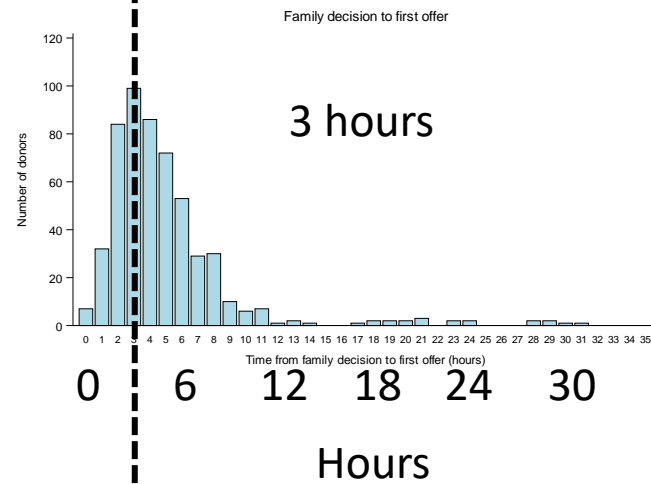
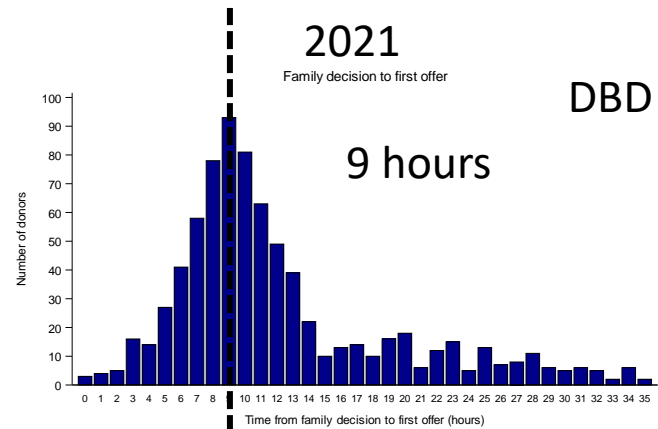
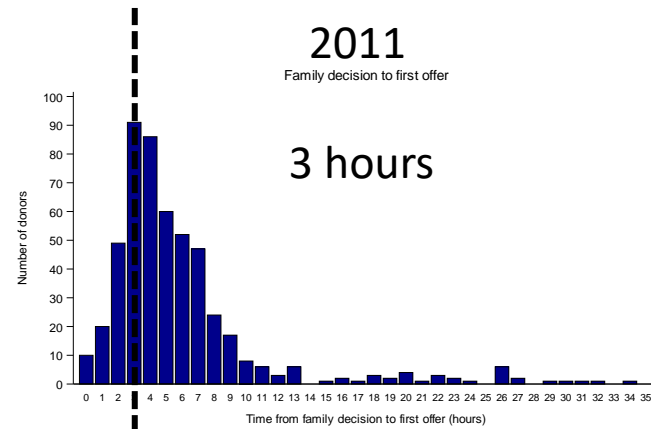
0 6 12 18

Time of Day

Time of Day

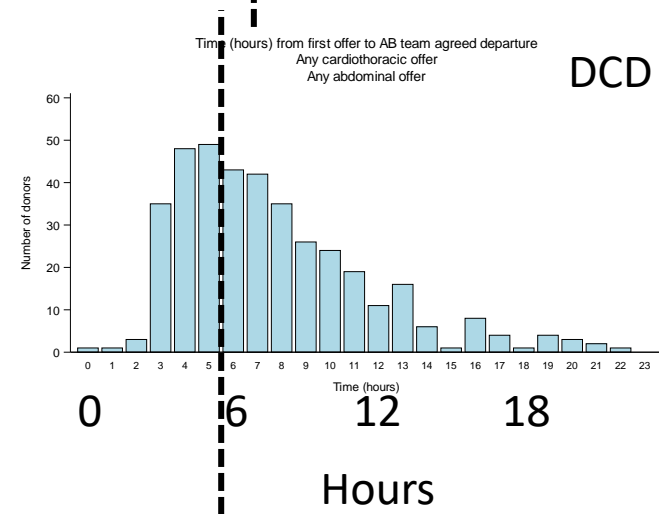
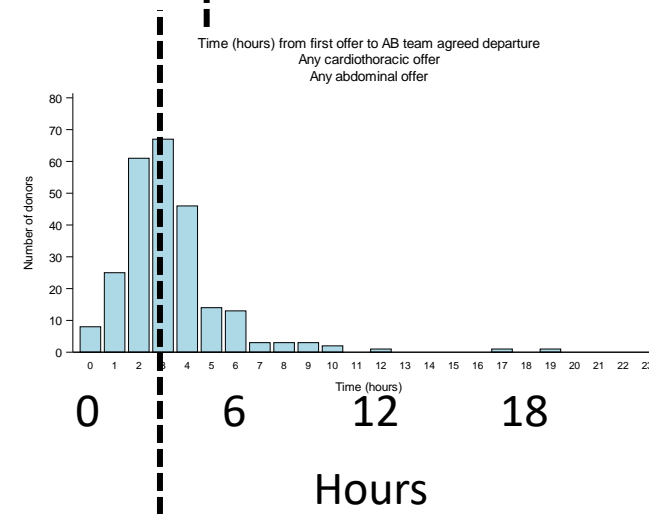
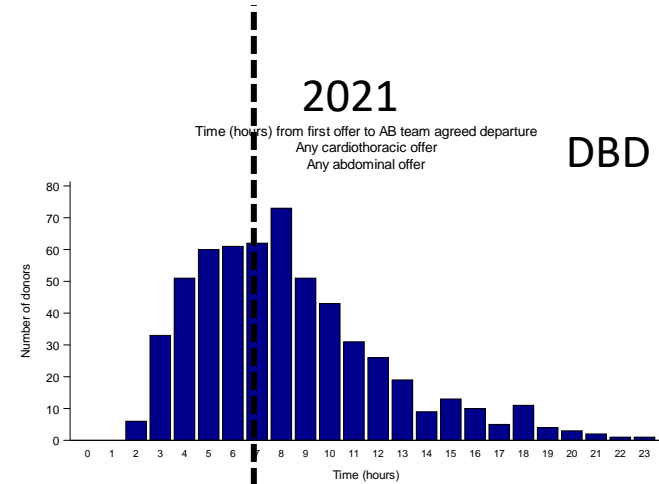
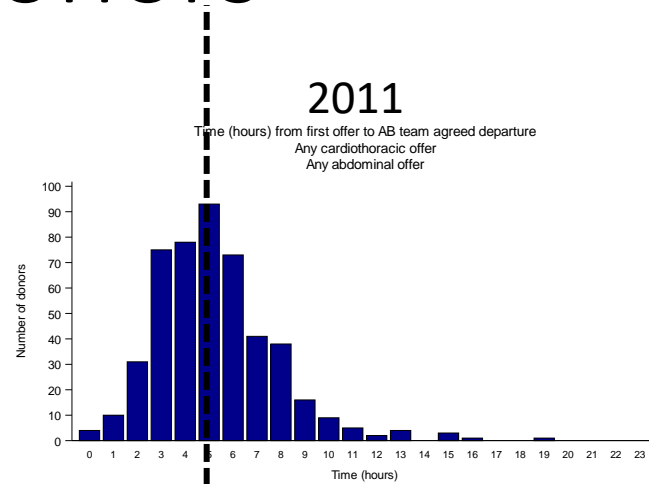
Time of Family Decision

# NORS; Current Status



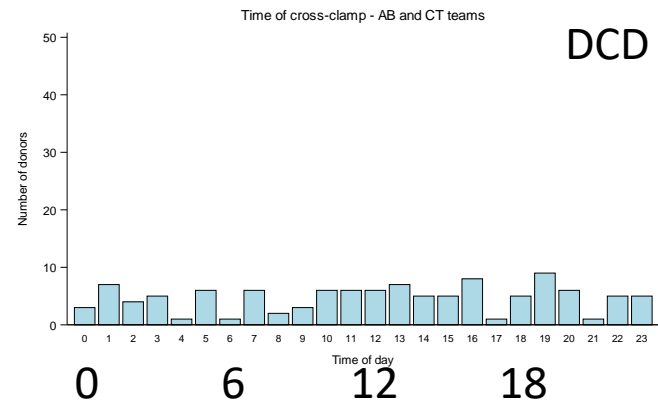
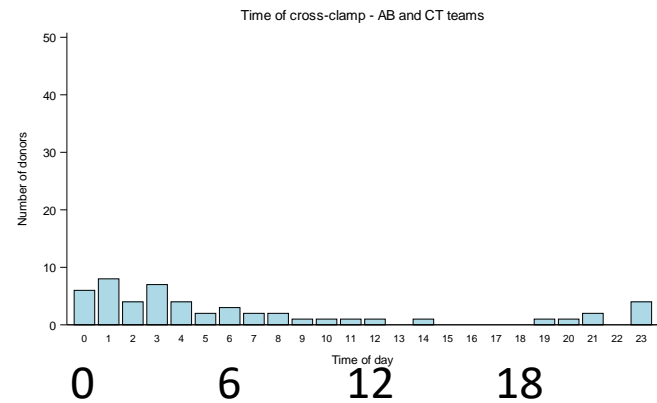
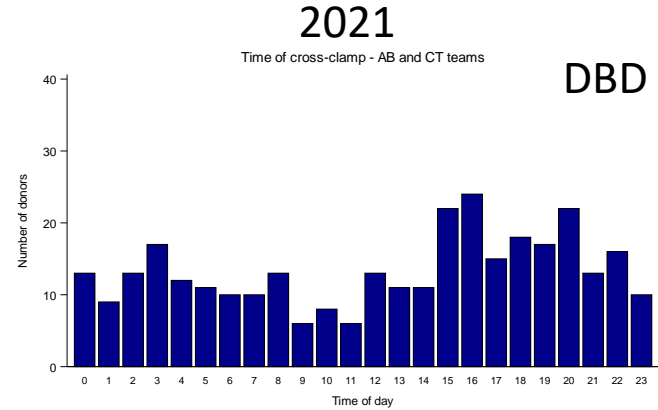
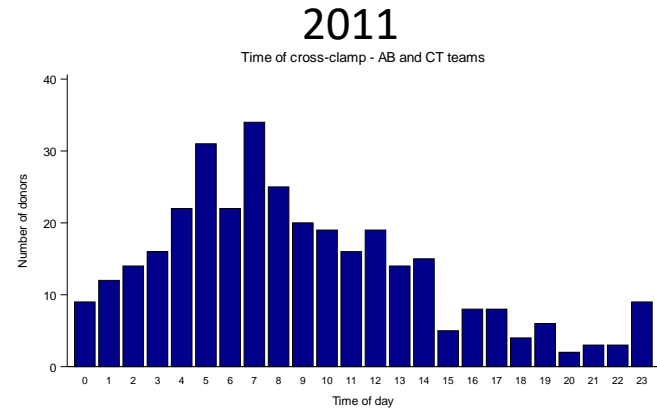
Family Decision to First Offer

# AB+CT Donors



Time from First offer to AB mobilisation – 2-3 hours later

# AB+CT Donors – XC Time



0 6 12 18

0 6 12 18

Time of Day

Time of Day

Time of Cross Clamp

# Cardiothoracic Organs - Reperfusion

**DBD**

**DCD**

**Heart**

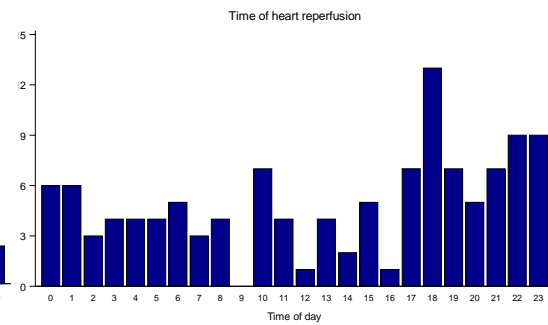
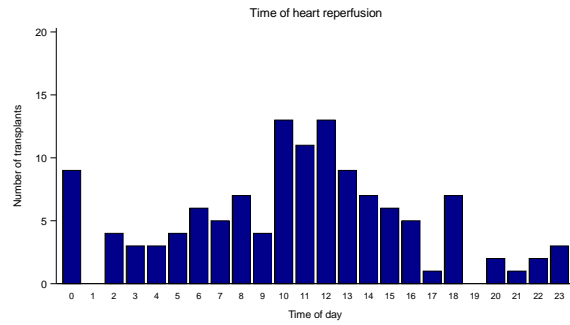
**Heart**

**2011**

**2021**

**2011**

**2021**



**Lung**

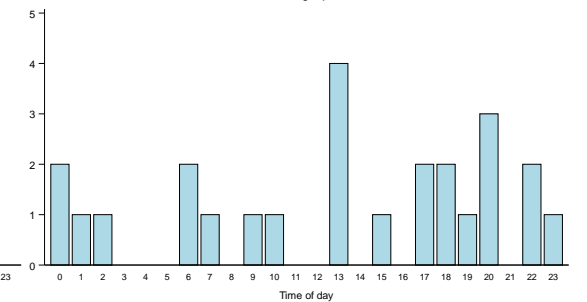
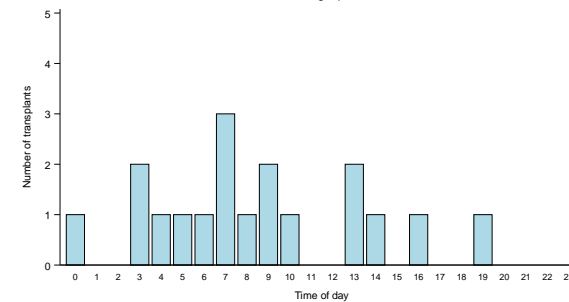
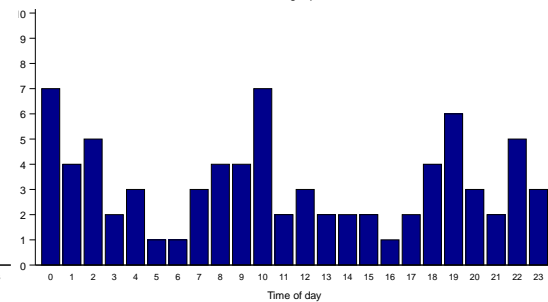
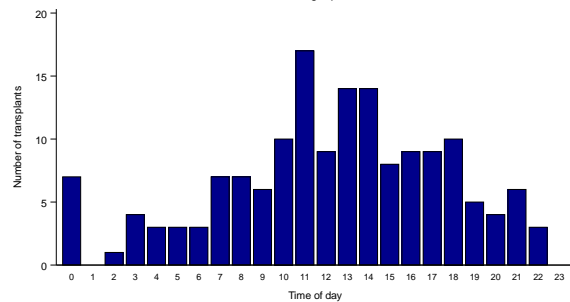
**Lung**

Time of lung reperfusion

Time of lung reperfusion

Time of lung reperfusion

Time of lung reperfusion



0 6 12 18

0 6 12 18

0 6 12 18

0 6 12 18

Time of Day; Reperfusion

# This is far from ideal

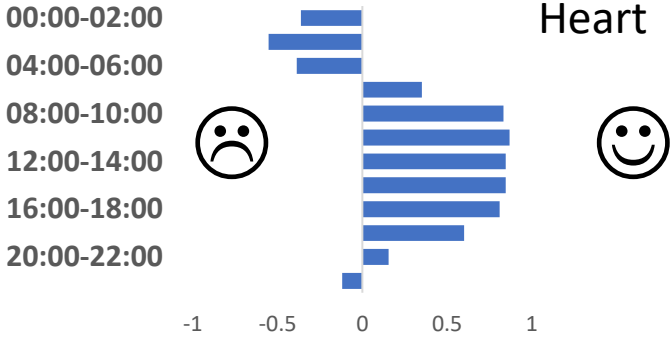
- Not good for donor hospitals
- Not good for retrieval teams
- Not good for transplant teams
- Not good for recipients

# When do we prefer to do transplants?

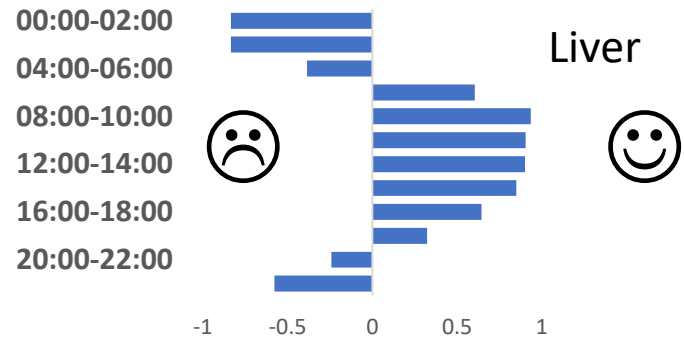
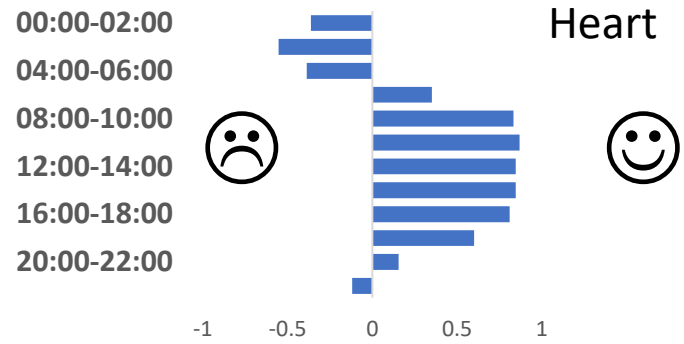
- UK Survey of all Transplant Centres (n=32)
- Consultant Anaesthetists
- $\geq$  Band 6 Perioperative Staff
- Consultant Surgeons
  
- 683 Data returns



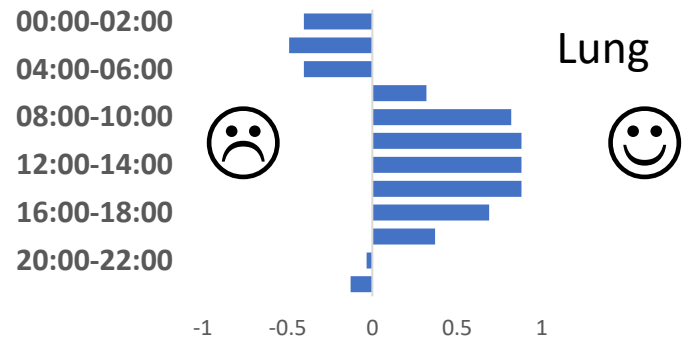
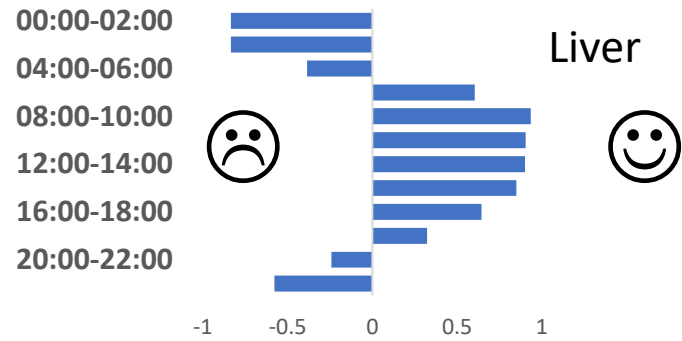
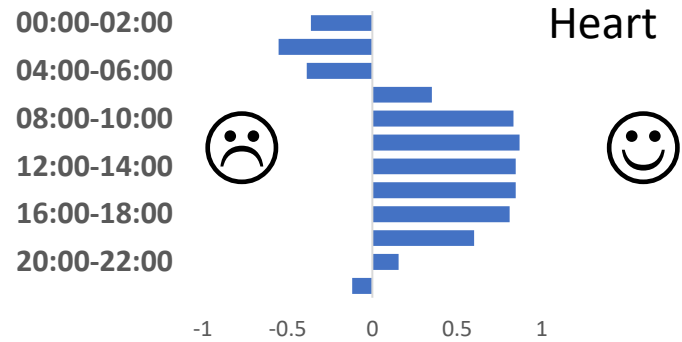
# By Organ Type



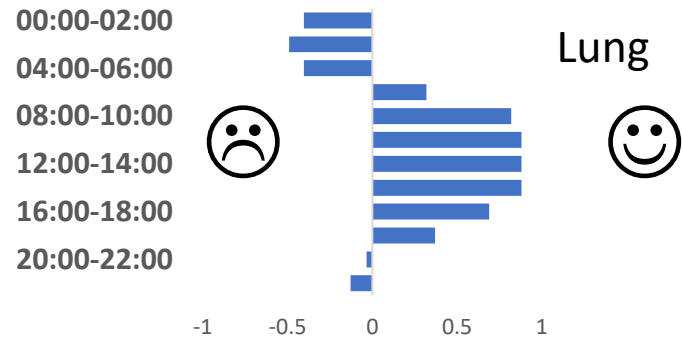
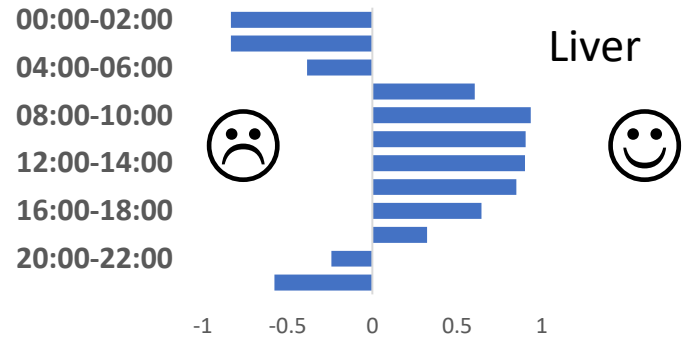
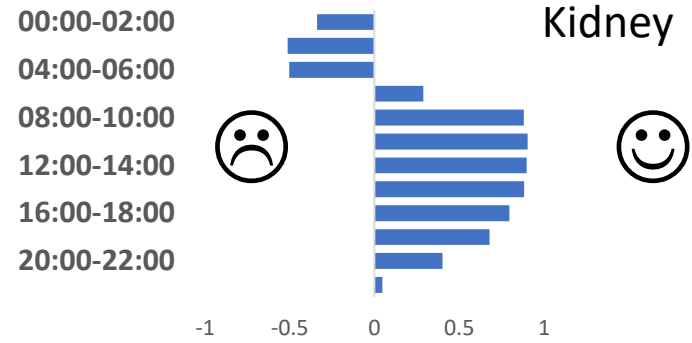
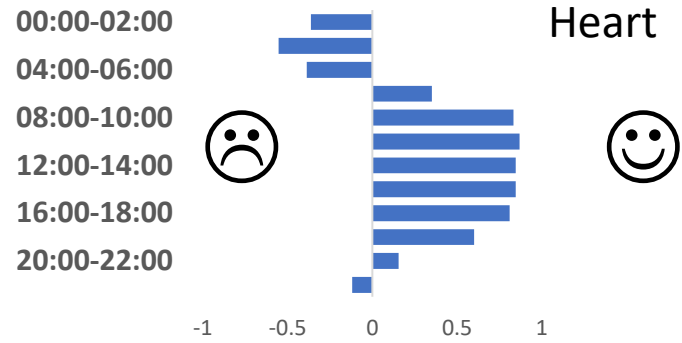
# By Organ Type



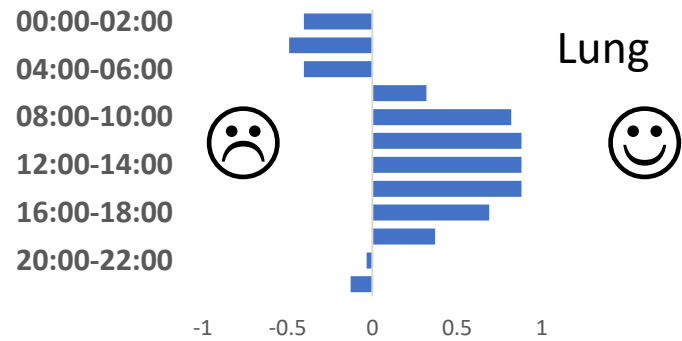
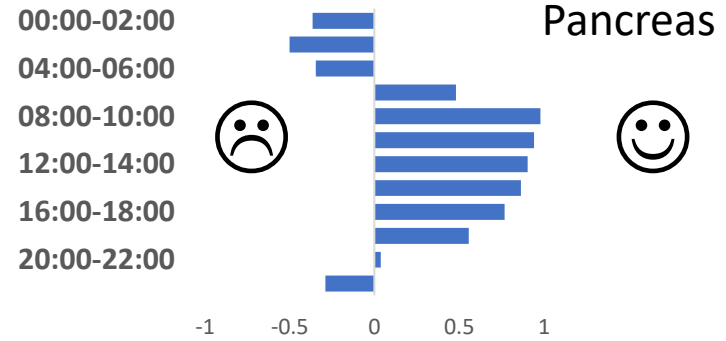
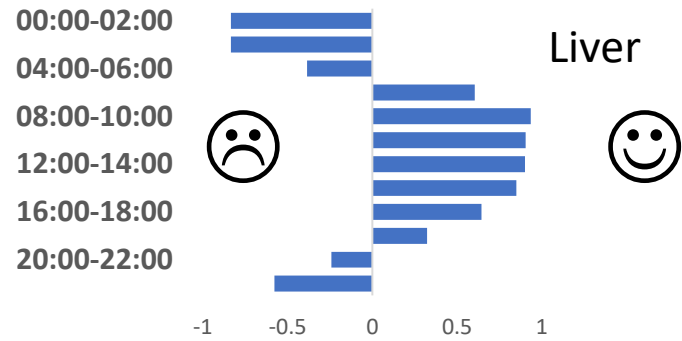
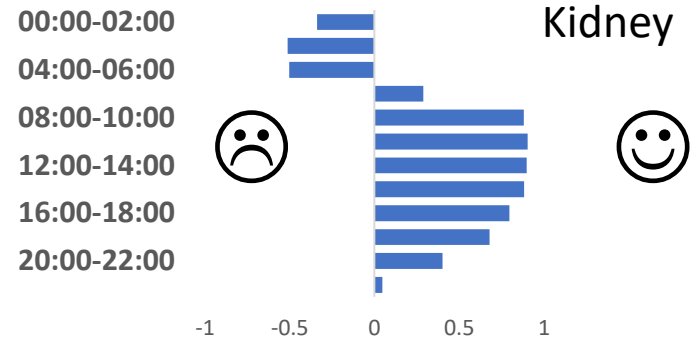
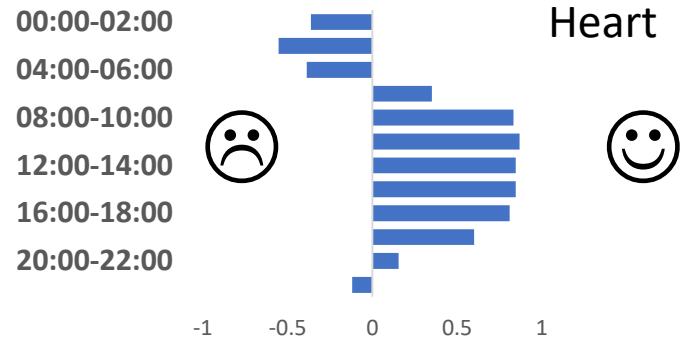
# By Organ Type



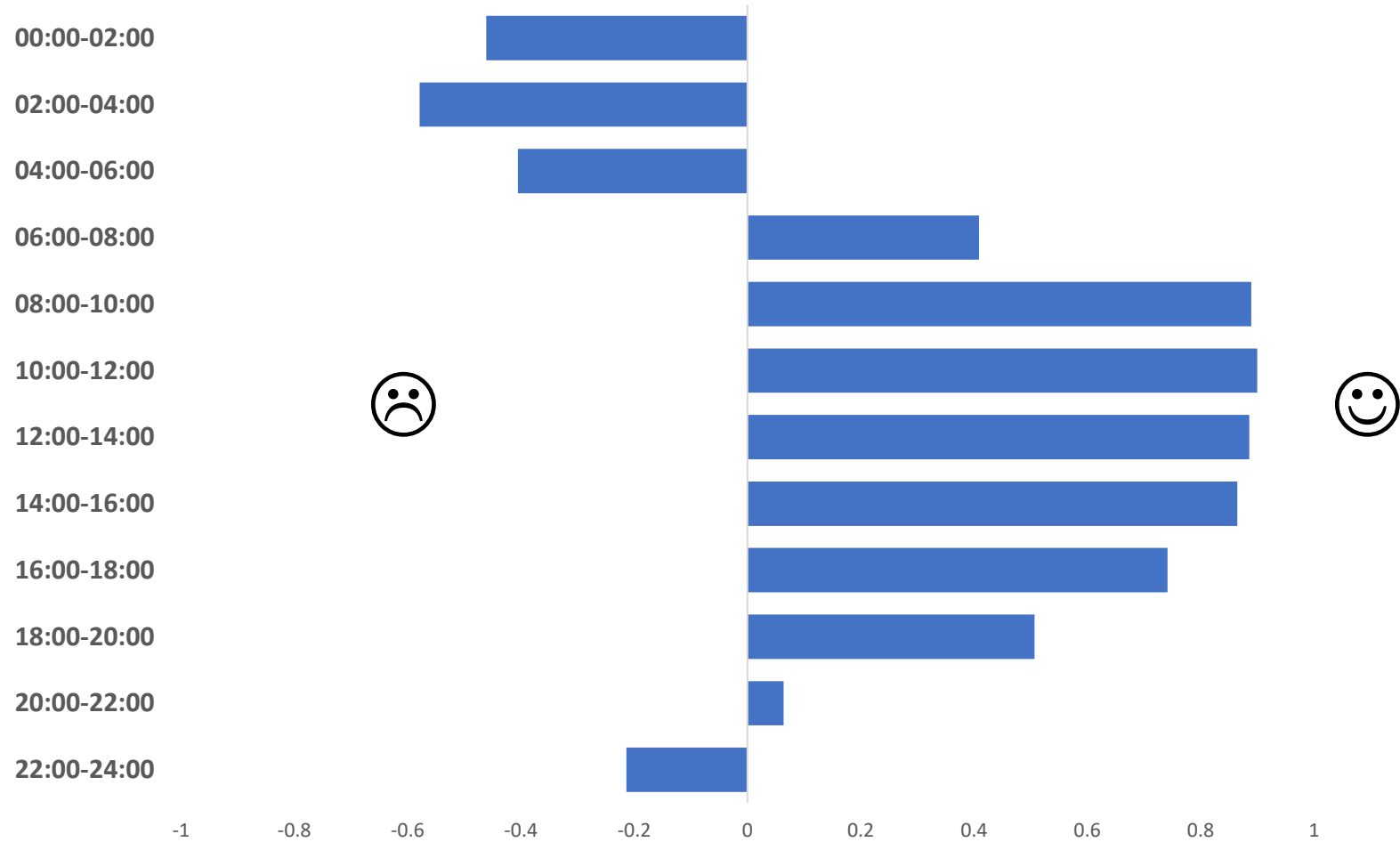
# By Organ Type



# By Organ Type



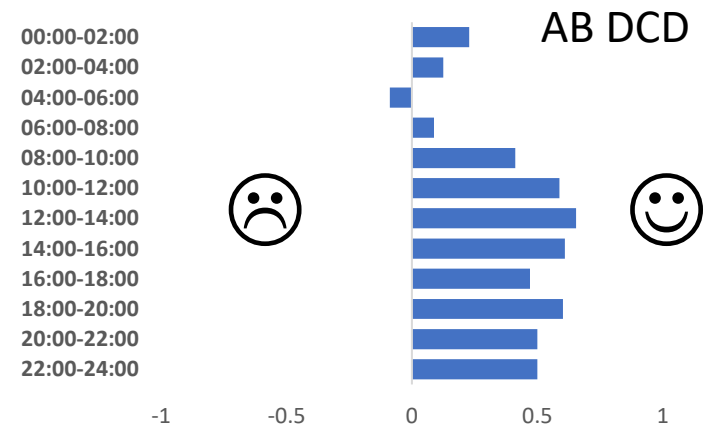
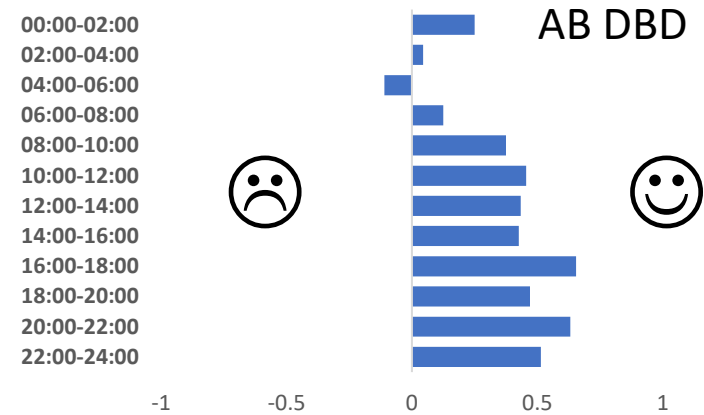
# All Organs, All Staff Groups



# When do we prefer to retrieve?

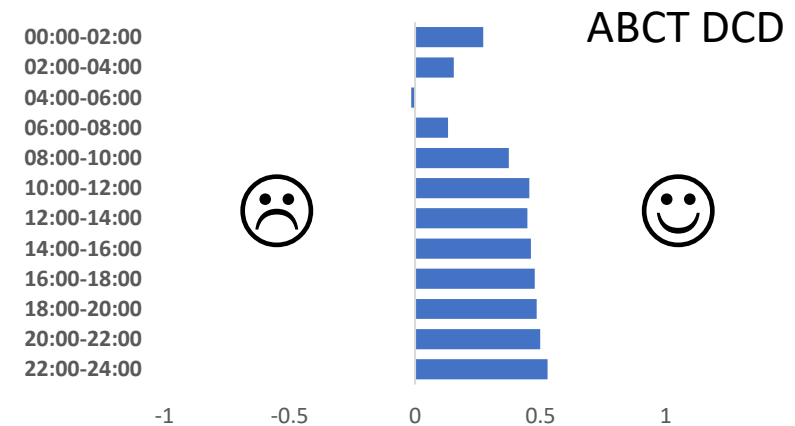
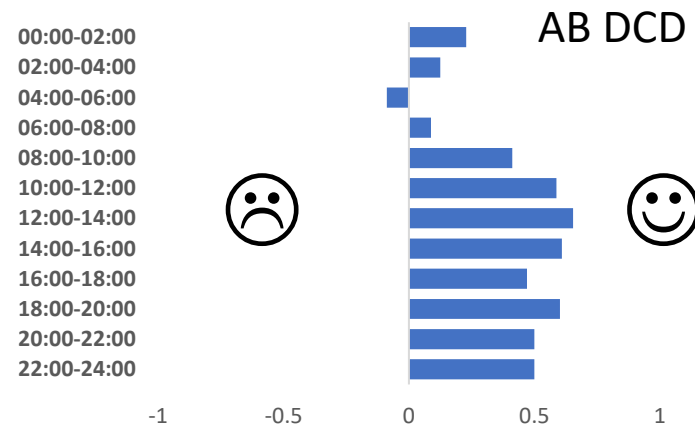
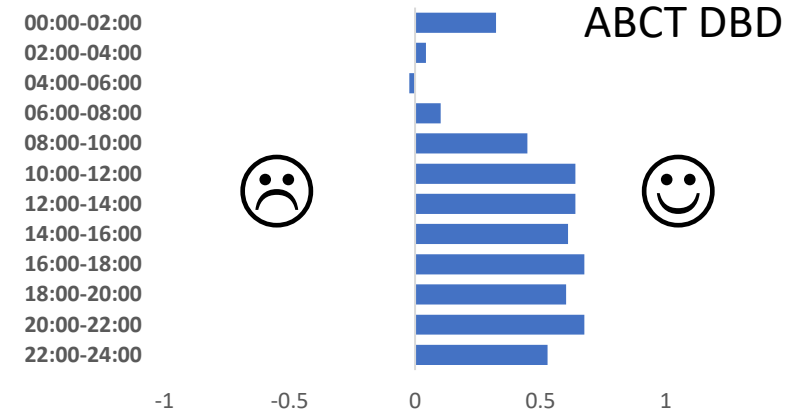
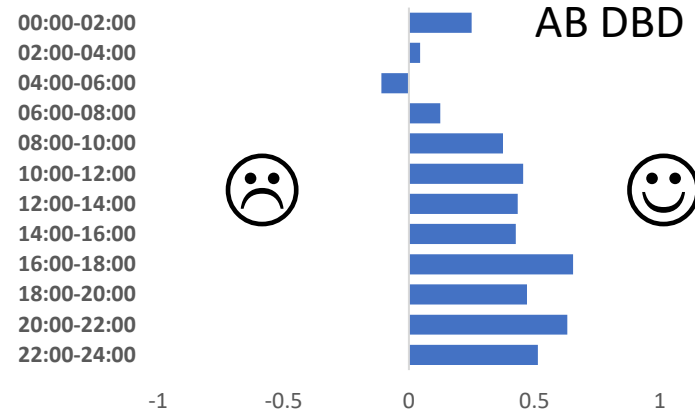
- UK Survey of all Retrieval Centres (n=16)
- All Lead Retrieval Surgeons (Consultants, Fellows and Registrars)
- Band 6 Perioperative Staff and above
  
- n=157 data returns

# What time to retrieve in the UK?





# What time to retrieve in the UK?



# Summary

- We now have excellent data to understand how the timings of offering and retrieval work
- We could – maybe – make changes so that donor hospitals, retrieval teams, transplant teams and transplant recipients are better served
- A complex program of work is anticipated to look at how such objectives could be delivered

