

## NHS BLOOD AND TRANSPLANT CARDIOTHORACIC ADVISORY GROUP

### SUMMARY FROM STATISTICS AND CLINICAL RESEARCH

#### INTRODUCTION

1. This paper provides an update from Statistics and Clinical Research and summarises recent presentations, publications, and current and future work in the area of cardiothoracic transplantation.

#### UPDATE FROM STATISTICS AND CLINICAL RESEARCH

2. New and updated reports, all Advisory Group papers and conference presentations continue to be posted on the ODT Clinical Site [www.odt.nhs.uk](http://www.odt.nhs.uk). The Annual Report on Heart Transplantation and the Annual Report on Lung Transplantation were published August 2023.
3. The datasets behind the risk communication tools on the ODT website are to be updated in the coming months. The tools are accessible from <https://www.odt.nhs.uk/transplantation/tools-policies-and-guidance/risk-communication-tools/>. These tools are designed to support conversations between patients and clinicians at the time of listing with regards to the risks and benefits of transplantation.
4. Please note our current arrangements for staff responsibilities in support of organs and tissues.

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**PRESENTATIONS**

5. There are no recent presentations of note.

**PUBLICATIONS**

6. One recent study has been submitted to a medical journal for publication and is awaiting decision:
  - Early Experience of a New National Lung Allocation Scheme in the UK Based on Clinical Urgency

**APPLICATIONS FOR DATA**

7. There have been 5 recent applications for national registry data:

Centre	Applicant	Application date	Study title	Status
Papworth	Jas Parmar	04/04/2023	Impact of socioeconomic deprivation on the referral for and the outcomes of lung transplantation	In progress
Manchester	Bassem Gadallah	24/04/2023	EVLP vs Non EVLP Lung transplant in the UK	Declined – do not collect data
Papworth	John Louca	03/07/2023	What is the survival for heart failure patients from the time of listing? And why are hearts not used in the UK?	Complete
Papworth	John Louca	23/09/2023	DCD Warm Ischaemia times	In progress
NA	Koray Potel	25/09/2023	Examination of the volume-outcome relationship for DCD heart transplantation in the UK	Declined – no UK centre support

**RECENT AND FUTURE WORK**

8. We have recently reviewed both the adult heart and adult lung post-transplant risk-models used in the annual reports to produce risk-adjusted survival rates. This was following the previous development of the model in 2016.
9. Statistical analyses have been provided to the CTAG Heart Allocation Working Group (HAWG) to review outcomes of patients who receive urgent transplant following LVAD complications as well as super-urgent transplant outcomes from ECMO versus temporary VAD bridging.
10. We have also supported the CTAG Lung Allocation Working Group (LAWG), working closely with Sam Kennedy at Newcastle University to aid simulations of different possible future lung allocation systems.
11. We continue to support the DCD heart programme, providing regular monitoring reports.
12. Progress is continuing on the enhancements to the UK VAD Database, with the delayed launch now expected in 2024.