NHS BLOOD AND TRANSPLANT
PAEDIATRIC SUB GROUP OF THE KIDNEY ADVISORY GROUP

OVERVIEW OF PAEDIATRIC USE OF THE UK LIVING KIDNEY SHARING SCHEME

1 This paper looks at use of the UK Living Kidney Sharing Scheme (UKLKSS) for pairs registered from 1 January 2020 – 8 October 2024. Matching runs take place quarterly, with matching runs not going ahead in April and July 2020, and January 2021.

2 43 paediatrics recipients (49 pairs) have joined the UKLKSS since 1 January 2020. 23 (47%) of the paediatric pairs registered were blood group incompatible, 26 (53%) blood group compatible. 12 (24%) were known HLA incompatible, 32 (65%) HLA compatible and 5 (10%) not reported.

3 In the same period, 1066 adult recipients forming 1128 pairs joined the UKLKSS. 590 (52%) of the adult pairs registered were blood group incompatible, 538 (48%) blood group compatible. 454 (40%) were known HLA incompatible, 563 (50%) HLA compatible and 111 (10%) not tested.

4 Nottingham and the Royal London have each registered 11 pairs with paediatric recipients 1 January 2020 to 8 October 2024 (**Table 1**).

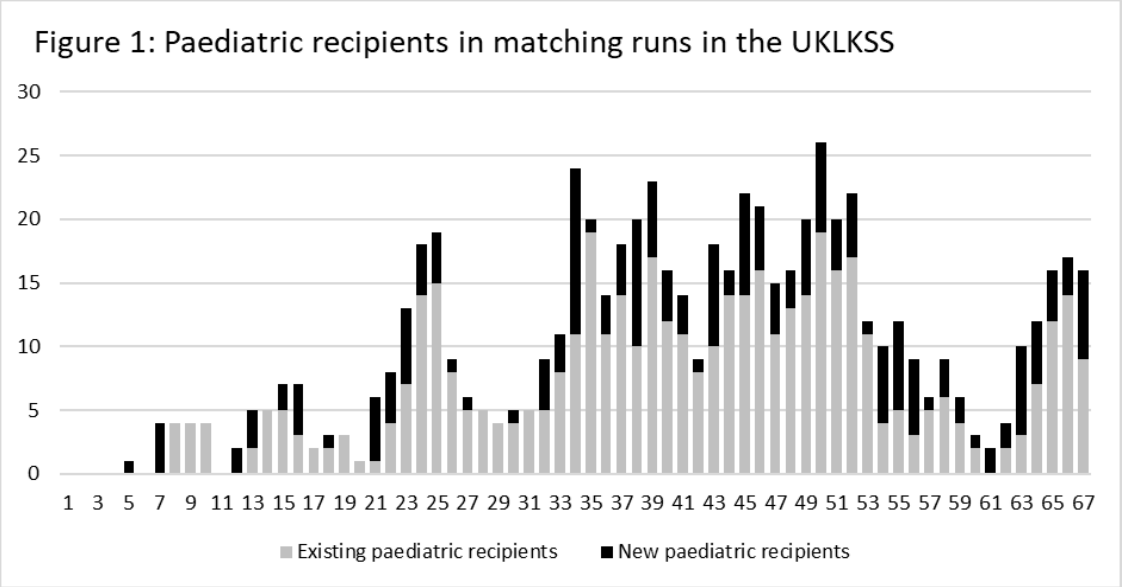
Table 1	**Pairs with paediatric recipients registered by centre since 1 January 2020, as at 8 October 2024**
Belfast	2
Newcastle	1
Leeds	1
Nottingham	11
London, The Royal London	11
Evelina	4
London, St George's	3
Oxford	5
Bristol	1
Birmingham	7
Manchester	1
Glasgow	2
London, Great Ormond Street	2
London, WLRTC	1
Cardiff	1
Total	**49**

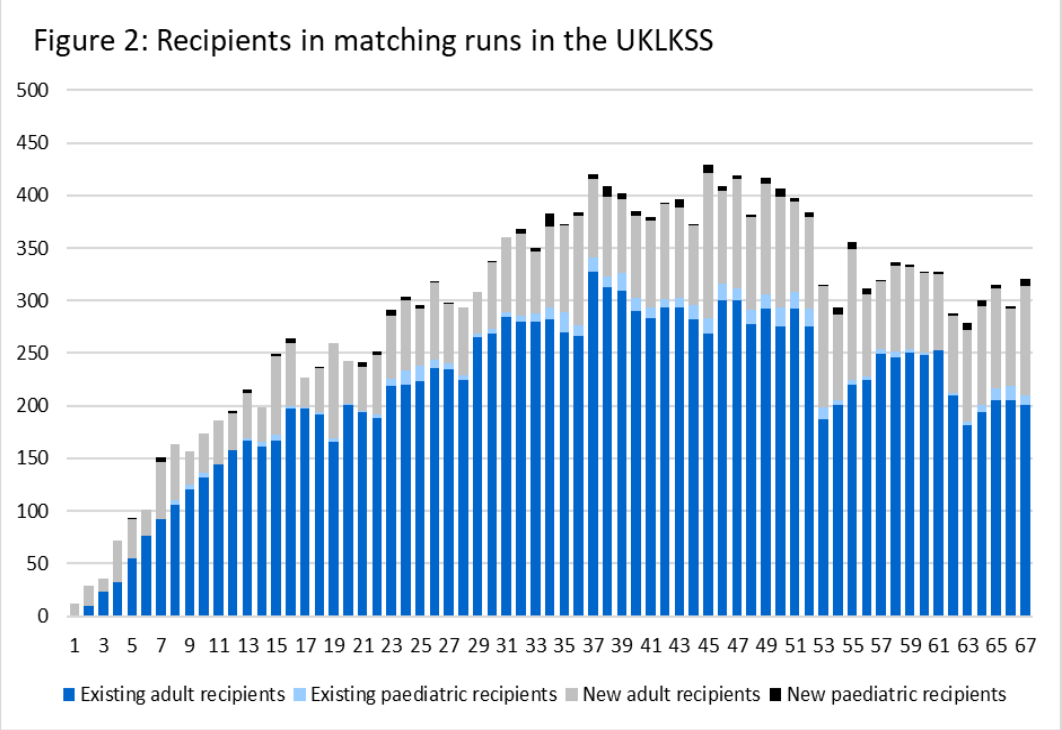
5 **Table 2** shows the outcomes of the pairs registered with paediatric recipients since 1 January 2020, by age of recipient at time of outcome.

Table 2 Outcomes of pairs with paediatric recipients registered since 1 January 2020, as at 8 October 2024

Final Outcome	Age group at time of outcome Paediatric (<18)	Adult (>=18)	**Total**
Still active	13	0	**13**
Transplant with pair through scheme	13	2	**15**
Living transplant outside scheme	9	2	**11**
Recipient received deceased organ	6	3	**9**
Died	1	0	**1**
Total	**42**	**7**	**49**

6 **Figure 1** shows the number of pairs with paediatric patients in each UKLKSS matching run. Recipients will only appear in Figure 1 for matching runs where they were aged under 18 years. **Figure 2** shows adult and paediatric recipients in each UKLKSS matching run by whether the recipient is new to the sharing scheme.





7 Members are asked to review the contents of this paper and consider any additional data they would like to see in future papers.

Maria Jacobs **November 2024**