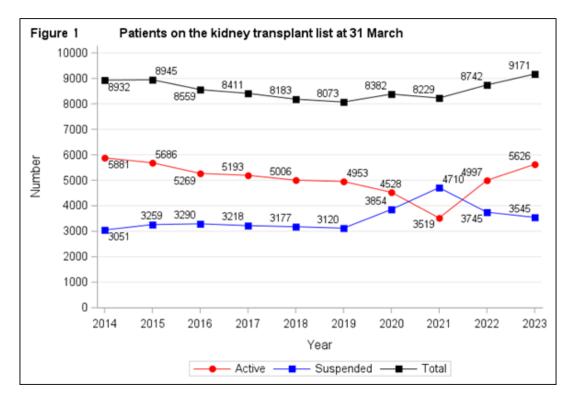
NHS BLOOD AND TRANSPLANT ORGAN DONATION AND TRANSPLANTATION DIRECTORATE

KIDNEY ADVISORY GROUP

SUSPENDED RECIPIENTS UPDATE

INTRODUCTION

1 The active kidney transplant waiting list has decreased from 5,881 in 2014 to 5,626 in 2023. Over this time period the number of recipients suspended on the kidney transplant list has increased from 3,051 in 2014 to 3,545 in 2023 (**Figure 1**). This paper looks at the characteristics of suspended recipients.



2 As stated in POL186: Kidney Transplantation: Deceased Donor Organ Allocation, suspended time is taken into account for waiting time in the following way:

Waiting times

Number of days waiting time accrued.

Waiting time is determined from date of starting permanent dialysis (HD or PD) or date of first active listing for a graft, whichever is earliest. Each day accrues 1 point, including all days of suspension from the list.

DATA

- 3 Data were obtained from the UK Transplant Registry on recipients on the UK kidney transplant list between 31 March 2014 and 31 August 2023.
- **Figure 2** shows the number of recipients on the kidney only transplant list at 31 August 2023 by registration status and centre. 40% of all recipients were recorded as suspended at 31 August 2023 and this ranged from 21% in Plymouth to 56% in Manchester.

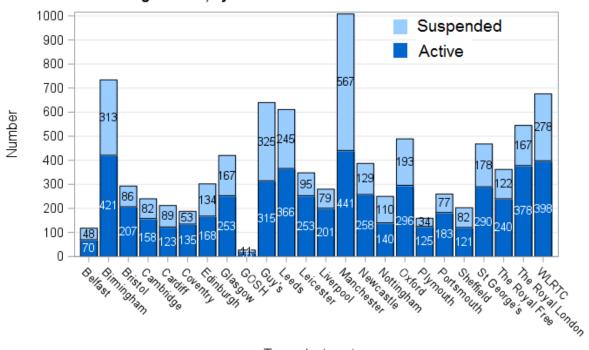


Figure 2 Recipients on the suspended kidney only transplant list at 31 August 2023, by centre

Transplant centre

RESULTS

Table 1 shows the number of recipients suspended at 31 August 2017, 2022 and 2023, who were suspended within their first 3 or 6 months of becoming active on the transplant list. This is based on recipients who are currently suspended and includes recipients who were activated in previous years, suspended within the first 3/6 months and are still suspended at the time of analysis. The data shows that the number of recipients suspended within the first 3 months has increased by 149. This equates to a 4% increase as a proportion of all suspended recipients. The number of recipients who were suspended prior to activation on the transplant list decreased from 629 in 2017 to 609 in 2023.

Table 1Point of suspension for recipients on transplant list 31August 2017 and 2023							
	20 ⁻	17	20	2022		023	
	Ν	%	Ν	%	Ν	%	
Suspended Prior to activation	629	20	711	19	764	21	
Suspended in first 3 months	423	12	609	16	572	16	
Suspended in first 6 months	665	20	964	26	889	24	
Total number of suspended recipients	3165		3760		3664		

Table 2 shows the number of recipients who were suspended for more than 2 years (post activation) at 31 August 2017, 2022 and 2023. The number of recipients who were suspended for more than 2 years increased by 320 between 2017 and 2022 but then decreased by 230 between 2022 and 2023. In 2023, 37% of recipients suspended for more than 2 years were reported as not on dialysis. While it is likely that many of these recipients had started dialysis since registration, it gives an indication of the proportion who joined the list prior to starting dialysis and would potentially lose points if removed from the list. Pre-emptive listing rates between April 2021 and March 2022 were 42% for the UK overall.

Table 2Long term suspensions, post-activation 31 August 2017, 2022 and 2023								
	201	7	2022	2	202	23		
	Ν	%	Ν	%	Ν	%		
Suspended for more than 2 years	583	18	903	24	673	18		
Suspended for more than 5 years	118	4	180	5	144	4		
Total number of suspended recipients	3165		3760		3664			

Table 3 shows the reasons for suspension along with summary data on the length of suspension, for all recipients suspended at 31 August 2017, 2022 and 2023. The length of suspension is defined from the start date of suspension to 31 August in the

respective years. Where known, the proportion observed for reason of suspension has changed little over the 6-year period. The total numbers of suspended recipients have increased but the median length of suspension has decreased from 301 days to 255 days.

Table 3 Reason giv 2022 and 2		ecipi	ent suspen	sions as at 31 Auç	gust 201	7,
2017						
Reason	Ν	%		Length of Suspen		
			Median	IQ-Range	Min	Max
Condition Improved	77	2	434	204-841	6	3838
Condition Deteriorated	1000	32	304	105-658	0	4077
Medical Investigations	401	13	260	92-645	1	3144
Patient/Parent request	125	4	283	41-687	0	2131
Patient non-compliant	34	1	627	127-1100	24	2131
Live transplant work up	55	2	38	17-114	1	1148
Patient temporarily unavailable	99	3	49	13-357	0	2739
Other	111	4	254	80-861	0	3816
Unknown	1263	40	331	119-799	0	5433
Total	3165		301	97-710	0	5433
2022						
Reason	Ν	%		Length of Suspen		
			Median	IQ-Range	Min	Max
Condition Improved	56	2	841	223.5- 1812.5	21	5398
Condition Deteriorated	1152	31	207	65-542	0	5903
Medical Investigations	412	11	314	113.5-908.5	0	4520
Patient/Parent request	170	5	420	97-968	0	3291
Patient non-compliant	25	1	1203	287-1630	23	3122
Live transplant work up	90	2	59	33-201	0	2240
Patient temporarily unavailable	73	2	79	20-745	0	4565
Other	251	7	329	71-880	5	3730
Unknown	1531	41	383	92-841	0	6319
Total	3760		282	75.5-832	0	6319

2023						
Reason	Ν	%		Length of Suspen	sion	
			Median	IQ-Range	Min	Max
Condition Improved	61	2	437	123-1280	9	3670
Condition Deteriorated	1187	32	224	83-517	0	6268
Medical Investigations	457	12	230	80-570	0	4885
Patient/Parent request	158	4	374.5	114-971	0	3551
Patient non-compliant	21	1	534	205-1667	0	3487
Live transplant work up	69	2	90	27-164	0	1561
Patient temporarily unavailable	84	2	57	13-279.5	0	3545
Other	184	5	432	132.5- 1035.5	0	4095
Unknown	1443	39	299	90.5-891	0	6684
Total	3664		255	80-665	0	6684

8 **Table 4** shows the demographics of recipients suspended on the kidney only transplant list at 31 August 2012 and 2023. There has been no change between 2022 and 2023 in proportion of recipients suspended across age, sex, ethnicity and risk group.

Table 4	Demographics characteristics of recipients suspended on the kidney only transplant list at 31 August 2022 and 2023						
		2	022	2023			
Factor		Ν	%	Ν	%		
Age	0-17	61	2	54	1	0.92	
C	18-34	373	10	344	9		
	35-49	889	24	888	24		
	50-59	1035	28	1029	28		
	60-69	1003	27	970	26		
	70+	399	11	379	10		
Sex	Male	2203	59	2171	59	0.47	
	Female	1551	41	1483	41		
	Unknown	6	0	10	0		
Ethnicity	White	2498	66	2390	66	0.18	
	Asian	628	17	642	17		
	Black	436	12	405	12		
	Other	140	4	142	4		
	Unknown	58	1	85	2		
Risk Group*	R1	901	29	835	28	0.27	
	R2	860	27	819	27		
	R3	799	25	790	26		
	R4	599	19	568	19		
	Missing	601		652			

^{*}Risk groups are based on the last calculated value and are missing where the recipient has not been active

9 Table 5 shows the number of recipients who were suspended in the first wave of the pandemic by centre as well as their outcome. The total number of recipients not reactivated since June 2020 is 110, a decrease from 199 when the data was reported in October 2022.

Out	comes of recipients suspended from the transplant list between
Mar	ch 2020 and June 2020, as at 11 September 2023

	Total active Feb	N suspended Mar-Jun		N Not	% Not	P-value
	2020	2020	% Suspended	Reactivated	Reactivated	
Transplant Centre						
Belfast	79	8	(10)	0	(0)	<0.001
Birmingham	353	345	(98)	7	(2)	
Bristol	151	141	(93)	1	(1)	
Cambridge	164	84	(51)	1	(1)	
Cardiff	147	146	(99)	6	(4)	
Coventry	109	107	(98)	1	(1)	
Edinburgh	161	159	(99)	9	(6)	
Glasgow	254	167	(66)	7	(4)	
Leeds	285	152	(53)	2	(1)	
Leicester	174	165	(95)	2	(1)	
Liverpool	141	135	(96)	1	(1)	
London, Great						
Ormond Street	17	16	(94)	0	(0)	
London, Guy's London, St	237	231	(97)	16	(7)	
George's London, The	230	223	(97)	14	(6)	
Royal Free London, The	234	221	(94)	4	(2)	
Royal London	318	310	(97)	14	(5)	
London, WLRTC	382	354	(93)	7	(2)	
Manchester	416	400	(96)	8	(2)	
Newcastle	206	197	(96)	2	(1)	
Nottingham	127	124	(98)	3	(2)	
Oxford	189	122	(65)	0	(0)	
Plymouth	96	89	(93)	0	(0)	
Portsmouth	143	139	(97)	2	(1)	
Sheffield	112	107	(96)	3	(3)	

SUMMARY

Table 5

10 The number of recipients suspended on the transplant list has decreased from 3745 in March 2022 to 3545 in March 2023. However, this is a 16% increase from the number suspended in March 2017. The number of recipients not reactivated since the first wave of the COVID-19 pandemic has now reduced from 199 recipients in September 2022 to 110 in September 2023.

11 Following agreement at KAG in October 2022, an IT request has been logged to restrict the number of waiting time points that can be accumulated while suspended, for recipients who are activated on the kidney transplant list prior to starting dialysis.

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September 2023