

NHS BLOOD & TRANSPLANT
RESEARCH, INNOVATION AND NOVEL TECHNOLOGIES ADVISORY GROUP
DCD HEART ACTIVITY

SUMMARY

This report contains information on DCD heart retrieval and transplant activity from 1 February 2015 – 31 December 2020. This is a brief summary report compared to the more comprehensive report which is produced around June and December.

Note that on 7 September 2020, national allocation for DCD hearts was introduced as part of the Joint Innovation Fund (JIF) UK wide DCD heart pilot, and with that a new data collection form was introduced, The DCD Heart Passport (FRM6356).

For any queries, please contact CardiothoracicStatistics@nhsbt.nhs.uk

Table 1 Outstanding DCD heart supplementary forms and DCD heart passport forms for the period 1 April 2019 - 31 December 2020, as at 8 March 2021

Financial year	Centre	Attended	Retrieved	Transplanted	Total forms outstanding
1 April 2019 - 31 March 2020	Papworth	0	1 ¹	0	1
1 April 2020 - 31 December 2020	Papworth	0	1 ¹	2	3

¹These hearts were transplanted by Great Ormond Street Hospital

Figure 1 DCD heart retrieval activity, 1 February 2015 to 31 December 2020, by quarter and retrieval team

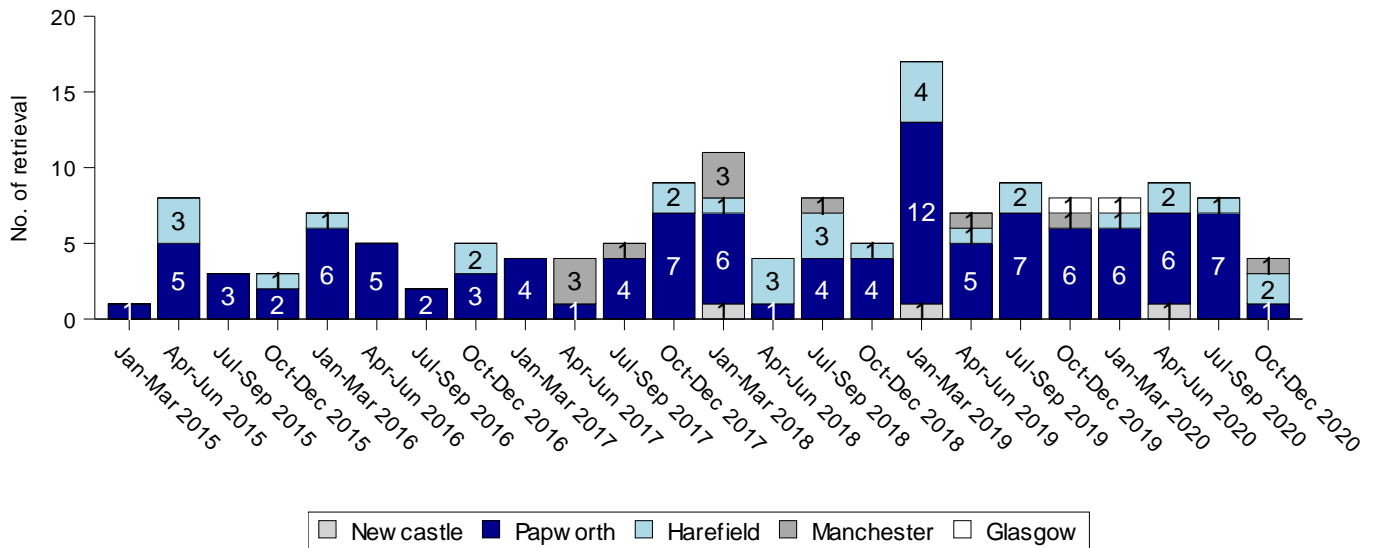
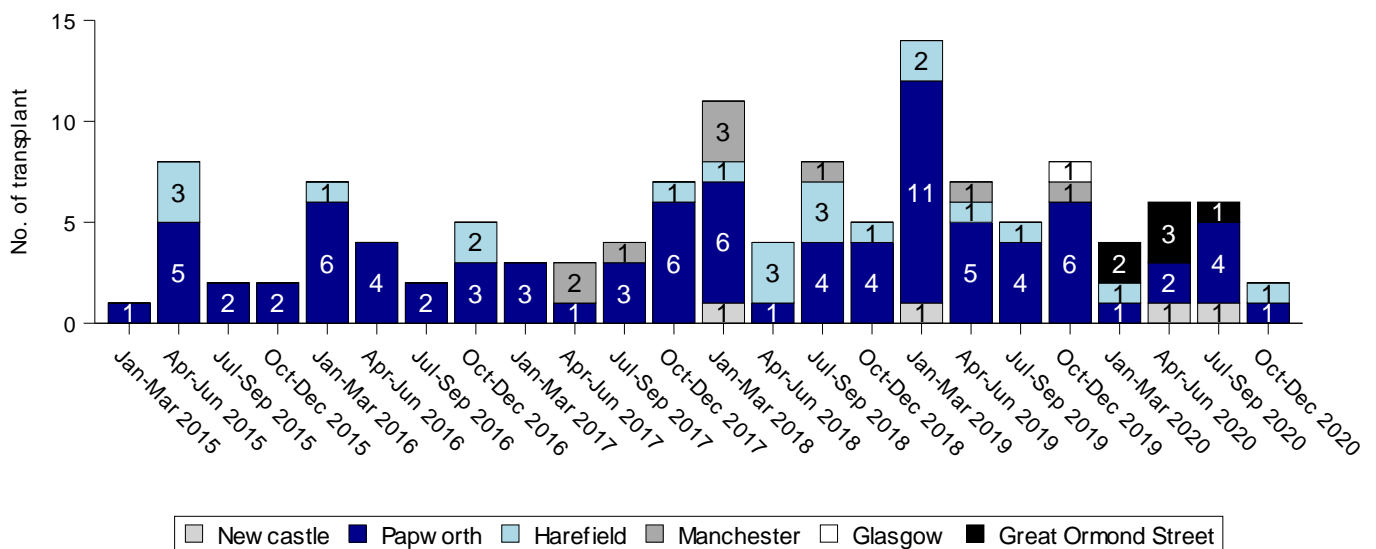


Figure 2 DCD heart transplant activity, 1 February 2015 to 31 December 2020, by quarter and transplant centre



Note that Figure 2 includes one DCD heart-kidney transplant performed in April 2016 and one DCD heart-lung transplant performed in June 2019, both by Papworth

Table 2 DCD heart activity by period and centre, 1 February 2015 - 31 December 2020

Period	Centre	Attended ¹	Retrieved	Transplanted (retrieved by own team)	Transplanted (retrieved by another team)
1 February 2015 – 31 March 2019	Harefield	49	21	17	0
	Manchester	11	8	7	0
	Newcastle	2	2	2 ²	0
	Papworth	92	70	64 ³	0
	Total	154	101	90	0
1 April 2019 – 31 March 2020	Glasgow	2	2	1	0
	Great Ormond Street	0	0	0	2 ⁴
	Harefield	24	4	3	0
	Manchester	3	2	2	0
	Newcastle	0	0	0	0
	Papworth	30	24	16 ⁷	0
	Total	59	32	22	2
1 April 2020 – 31 December 2020	Glasgow	0	0	0	0
	Great Ormond Street	0	0	0	4 ⁴
	Harefield	11	5	1	0
	Manchester	1	1	0	0
	Newcastle	2	1	1	1 ⁵
	Papworth	17	14	6	1 ⁶
	Total	31	21	8	6
Total	Glasgow	2	2	1	0
	Great Ormond Street	0	0	0	6 ⁴
	Harefield	84	30	21	0
	Manchester	15	11	9	0
	Newcastle ⁸	4	3	3	1 ⁵
	Papworth	139	108	86 ^{3,7}	1 ⁶
TOTAL		244⁹	154⁹	120	8

¹ Includes cases where a DCD Heart Supplementary form has not been returned but notes reported on the Retrieval Team Information form suggest that a DCD heart retrieval was intended

² Newcastle performed one DCD heart transplant in March 2018 despite not joining the programme until October 2018.

³ Includes one DCD heart-kidney transplant

⁴ Papworth retrieved for all transplants performed by Great Ormond Street

⁵ Retrieved by Papworth

⁶ Retrieved by Harefield

⁷ Includes one DCD heart-lung transplant

⁸ Of the 4 transplants performed by Newcastle, 3 were performed in paediatric patients

⁹ Excludes one case where the donor was DCD but was changed to DBD after retrieval

Table 3 DCD heart patient outcomes at 30 days post-transplant, by centre, for transplants performed 1 February 2015 – 31 December 2020

Centre	Alive at 30 days	Died within 30 days	Unknown
Glasgow	1	0	0
Great Ormond Street	6	0	0
Harefield	19	2	0
Manchester	9	0	0
Newcastle	4	0	0
Papworth	84 ^{1,2}	2	1
Total	123	4	1

¹ Includes one heart-lung transplant

² Includes one heart-kidney transplant

Table 4 DCD heart offers recorded on the UKTR as being made to participating centres during 1 April 2019 – 31 December 2020 and results, by financial year

Centre	1 April 2019 - 31 March 2020							1 April 2020 – 31 December 2020						
	Offers	Declined		Accepted, not used		Accepted and used		Offers	Declined		Accepted, not used		Accepted and used	
		N	%	N	%	N	%		N	%	N	%	N	%
Glasgow	64	61	95	2	3	1	2	51	51	100	0	-	0	-
Great Ormond Street	11	9	82	0	0	2	18	52	45	87	3	6	4	8
Harefield	155	131	85	21	14	3	2	70	54	77	15	21	1	1
Manchester	89	87	98	0	0	2	2	60	59	98	1	2	0	-
Newcastle	79	77	97	2	3	0	0	67	61	91	4	6	2	3
Papworth	142	105	74	21	15	16	11	63	49	78	7	11	7	11
Total	540	470	87	46	9	24	4	363	319	88	30	8	14	4

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