

**NHS BLOOD & TRANSPLANT  
ORGAN DONATION AND TRANSPLANTATION DIRECTORATE**

**PANCREAS ADVISORY GROUP**

**TRANSPLANT LIST AND TRANSPLANT ACTIVITY  
SUMMARY**

**INTRODUCTION**

- 1 This paper provides basic summaries of pancreas transplant list and transplant activity by calendar year.

**DATA**

- 2 Data were obtained from the UK Transplant Registry and includes a summary of deceased pancreas activity in the UK between 1 January 2007 and 31 December 2017, and a more detailed look in the calendar year 2017. Transplants using pancreases from donors after brain death (DBD) and donors after circulatory death (DCD) are investigated separately.
- 3 Pancreas donation rates in 2017 by Country or Strategic Health Authority are also presented.

**RESULTS**

- 4 Over the last ten calendar years there has been a 42% increase in pancreas donors from 336 to 478 and a 13% decrease in pancreas transplants from 247 to 214. The pancreas transplant list has remained relatively constant over the last three years with 227 active pancreas patients as at 31 December 2017.
- 5 As at 31 December 2017, Oxford has the highest proportion of patients on the active pancreas transplant list at 76%, whilst Bristol and Royal Free have no patients on the list. Manchester have six patients registered for a simultaneous islet and kidney (SIK) transplant. Newcastle and Edinburgh have one patient each registered for an SIK transplant.
- 6 There was a 10% increase in the number of DBD pancreas donor transplants to 158 in 2017 compared with 2016. The number of DCD pancreas donor transplants also increased by 14% to 56. There was a total of four SIK transplants, three DBD and one DCD.

**SUMMARY**

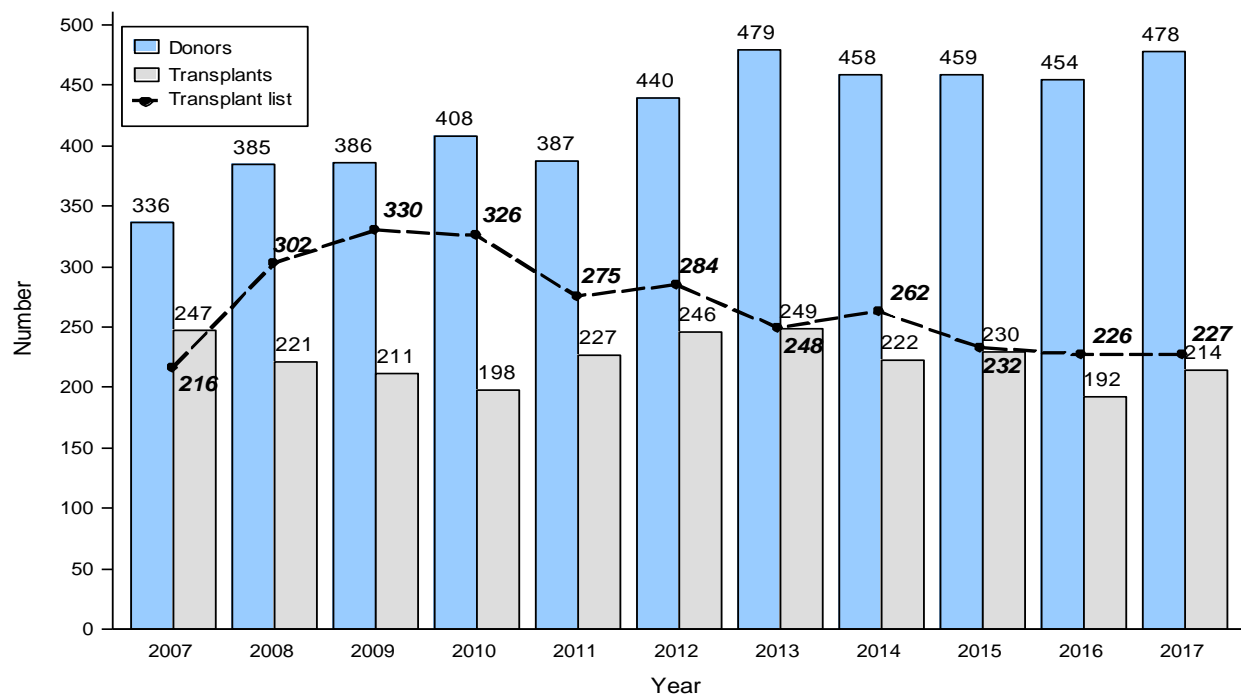
- 7 There has been an overall increase in pancreas transplants and pancreas donors in 2017 compared with 2016.

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**Figure 1 Deceased pancreas and islet programme in the UK, 1 January 2007 - 31 December 2017, Number of donors, transplants and patients on the active transplant list at 31 December**



**Table 1 Patients on the pancreas transplant lists at 31 December 2017 (2016) in the UK, by centre**

Centre	Kidney/ pancreas		Kidney/islet		Pancreas alone		Active transplant lists				TOTAL	
							Routine	Islet Priority				
Cambridge	14	(19)	0	(0)	0	(1)	-	-	-	-	14	(20)
Cardiff	12	(13)	0	(0)	1	(1)	-	-	-	-	13	(14)
Edinburgh	28	(31)	1	(0)	0	(0)	6	(3)	1	(1)	36	(35)
Guys	41	(39)	0	(0)	0	(0)	-	-	-	-	41	(39)
Manchester	20	(18)	6	(1)	1	(1)	1	(3)	4	(2)	32	(25)
Newcastle	7	(9)	1	(0)	2	(1)	4	(2)	1	(2)	15	(14)
Oxford	56	(64)	0	(0)	7	(3)	2	(8)	0	(1)	65	(76)
WLRTC	7	(2)	0	(0)	3	(1)	-	-	-	-	10	(3)
Bristol	-	-	-	-	-	-	0	(0)	0	(0)	0	(0)
King's College	-	-	-	-	-	-	1	(0)	0	(0)	1	(0)
Royal Free	-	-	-	-	-	-	0	(0)	0	(0)	0	(0)
<b>TOTAL</b>	<b>185</b>	<b>(195)</b>	<b>8</b>	<b>(1)</b>	<b>14</b>	<b>(8)</b>	<b>14</b>	<b>(16)</b>	<b>6</b>	<b>(6)</b>	<b>227</b>	<b>(226)</b>

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**Table 2 Pancreas donation rates for deceased donors in the UK,  
1 January - 31 December 2017, by Country/ Strategic Health Authority**

Country/ Strategic Health Authority of residence	Pancreas donors (pmp)				TOTAL	
	DBD		DCD			
North East	17	(6.4)	5	(1.9)	22	(8.3)
North West	45	(6.2)	11	(1.5)	56	(7.8)
Yorkshire and The Humber	21	(3.9)	11	(2.0)	32	(5.9)
<b>North of England</b>	<b>83</b>	<b>(5.4)</b>	<b>27</b>	<b>(1.8)</b>	<b>110</b>	<b>(7.2)</b>
East Midlands	19	(4.0)	12	(2.5)	31	(6.6)
West Midlands	27	(4.7)	13	(2.2)	40	(6.9)
East of England	35	(5.7)	20	(3.3)	55	(9.0)
<b>Midlands and East</b>	<b>81</b>	<b>(4.9)</b>	<b>45</b>	<b>(2.7)</b>	<b>126</b>	<b>(7.6)</b>
<b>London</b>	<b>50</b>	<b>(5.7)</b>	<b>8</b>	<b>(0.9)</b>	<b>58</b>	<b>(6.6)</b>
South East Coast	37	(7.9)	9	(1.9)	46	(9.9)
South Central	19	(4.4)	7	(1.6)	26	(6.0)
South West	25	(4.5)	9	(1.6)	34	(6.2)
<b>South of England</b>	<b>81</b>	<b>(5.6)</b>	<b>25</b>	<b>(1.7)</b>	<b>106</b>	<b>(7.3)</b>
<b>England</b>	<b>295</b>	<b>(5.3)</b>	<b>105</b>	<b>(1.9)</b>	<b>400</b>	<b>(7.2)</b>
<b>Isle of Man</b>	<b>1</b>	<b>(12.5)</b>	<b>1</b>	<b>(12.5)</b>	<b>2</b>	<b>(25.0)</b>
<b>Channel Islands</b>	<b>1</b>	<b>(6.3)</b>	<b>0</b>	<b>(0.0)</b>	<b>1</b>	<b>(6.3)</b>
<b>Wales</b>	<b>17</b>	<b>(5.5)</b>	<b>6</b>	<b>(1.9)</b>	<b>23</b>	<b>(7.4)</b>
<b>Scotland</b>	<b>30</b>	<b>(5.6)</b>	<b>4</b>	<b>(0.7)</b>	<b>34</b>	<b>(6.3)</b>
<b>Northern Ireland</b>	<b>14</b>	<b>(7.5)</b>	<b>4</b>	<b>(2.2)</b>	<b>18</b>	<b>(9.7)</b>
<b>TOTAL<sup>1</sup></b>	<b>358</b>	<b>(5.5)</b>	<b>120</b>	<b>(1.8)</b>	<b>478</b>	<b>(7.3)</b>

<sup>1</sup> Includes 7 donors where the hospital postcode was used in place of an unknown donor postcode

**Table 3 DBD Pancreas transplants, 1 January - 31 December 2017 (2016) by centre**

Centre	Transplant type												Total	
	SPK		SIK		PTA		PAK		Islet		Total			
									Routine	Priority				
Cambridge	14	(17)	0	(0)	0	(0)	0	(0)	-	-	-	-	<b>14</b>	<b>(17)</b>
Cardiff	5	(1)	0	(0)	1	(1)	0	(0)	-	-	-	-	<b>6</b>	<b>(2)</b>
Edinburgh	13	(20)	2	(0)	0	(0)	0	(0)	5	(8)	4	(7)	<b>24</b>	<b>(35)</b>
Guys	17	(13)	0	(0)	0	(0)	0	(0)	-	-	-	-	<b>17</b>	<b>(13)</b>
Manchester	15	(13)	1	(0)	1	(1)	0	(2)	1	(1)	1	(0)	<b>19</b>	<b>(17)</b>
Newcastle	8	(7)	0	(0)	0	(0)	1	(0)	1	(0)	0	(2)	<b>10</b>	<b>(9)</b>
Oxford	46	(28)	0	(0)	3	(7)	3	(4)	6	(1)	3	(1)	<b>61</b>	<b>(41)</b>
WLRTC	6	(4)	0	(0)	1	(0)	0	(0)	-	-	-	-	<b>7</b>	<b>(4)</b>
Bristol	-	-	-	-	-	-	-	-	0	(1)	0	(1)	<b>0</b>	<b>(2)</b>
King's College	-	-	-	-	-	-	-	-	0	(0)	0	(0)	<b>0</b>	<b>(0)</b>
Royal Free	-	-	-	-	-	-	-	-	0	(2)	0	(1)	<b>0</b>	<b>(3)</b>
<b>TOTAL</b>	<b>124</b>	<b>(103)</b>	<b>3</b>	<b>-</b>	<b>6</b>	<b>(9)</b>	<b>4</b>	<b>(6)</b>	<b>13</b>	<b>(13)</b>	<b>8</b>	<b>(12)</b>	<b>158</b>	<b>(143)</b>

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**Table 4 DCD Pancreas transplants, 1 January - 31 December 2017 (2016) by centre**

Centre	Transplant type												Total	
	SPK		SIK		PTA		PAK		Islet		Total			
									Routine	Priority				
Cambridge	6	(7)	0	(0)	0	(0)	1	(0)	-	-	-	-	<b>7</b>	<b>(7)</b>
Cardiff	3	(1)	0	(0)	0	(0)	0	(0)	-	-	-	-	<b>3</b>	<b>(1)</b>
Edinburgh	3	(0)	0	(0)	0	(0)	0	(0)	1	(2)	1	(1)	<b>5</b>	<b>(3)</b>
Guys	7	(7)	0	(0)	0	(0)	0	(0)	-	-	-	-	<b>7</b>	<b>(7)</b>
Manchester	18	(11)	1	(0)	0	(0)	2	(1)	0	(0)	0	(0)	<b>21</b>	<b>(12)</b>
Newcastle	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	<b>0</b>	<b>(0)</b>
Oxford	9	(14)	0	(0)	2	(0)	0	(0)	0	(1)	0	(0)	<b>11</b>	<b>(15)</b>
WLRTC	2	(4)	0	(0)	0	(0)	0	(0)	-	-	-	-	<b>2</b>	<b>(4)</b>
Bristol	-	-	-	-	-	-	-	-	0	(0)	0	(0)	<b>0</b>	<b>(0)</b>
King's College	-	-	-	-	-	-	-	-	0	(0)	0	(0)	<b>0</b>	<b>(0)</b>
Royal Free	-	-	-	-	-	-	-	-	0	(0)	0	(0)	<b>0</b>	<b>(0)</b>
<b>TOTAL</b>	<b>48</b>	<b>(44)</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>3</b>	<b>(1)</b>	<b>1</b>	<b>(3)</b>	<b>1</b>	<b>(1)</b>	<b>56</b>	<b>(49)</b>

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