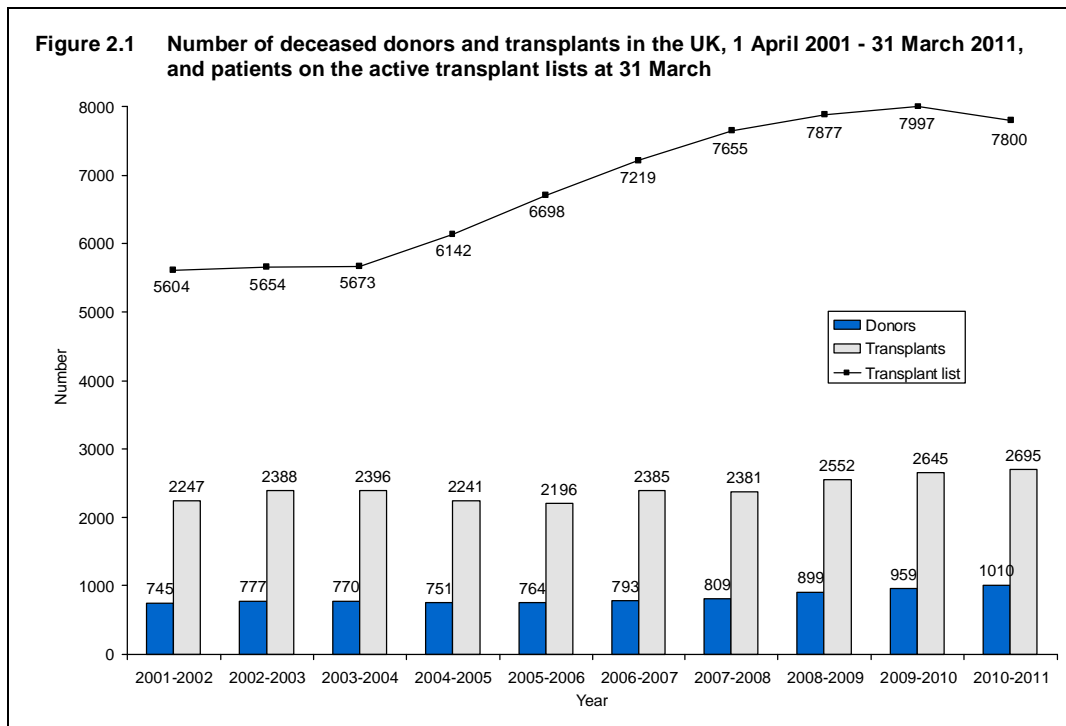


## 2 OVERVIEW OF ORGAN DONATION AND TRANSPLANTATION

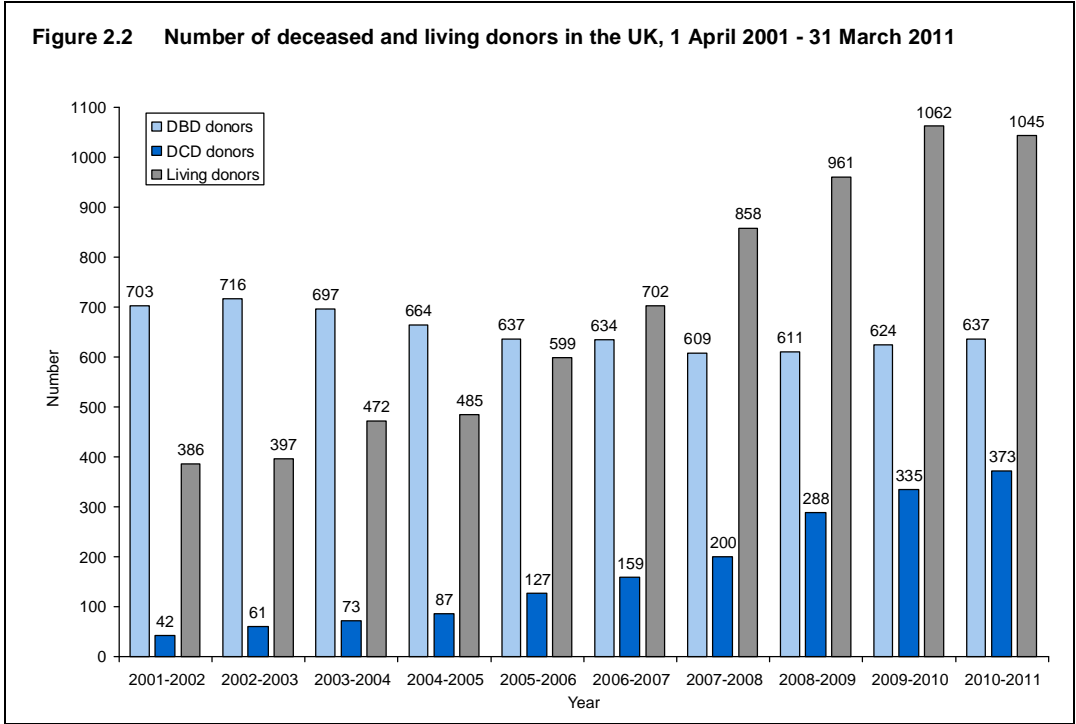
This overview summarises the main features of organ donation and transplantation activity in the UK during the financial year from 1 April 2010 to 31 March 2011.

### 2.1 Summary of activity

As the total number of deceased donors and transplants continued to increase this year, the number of patients waiting for a transplant at 31 March 2011 is 197 less than on the same date last year. The increase in donor and transplant numbers (1 April 2001 to 31 March 2011) and the change in the transplant lists at 31 March each year are shown in **Figure 2.1**. There were 50 more deceased donor transplants in 2010-2011 than in the previous year, representing a 2% increase. The corresponding increase in the number of deceased donors was 5%.



**Figure 2.2** shows the number of deceased and living donors for 2001-2011. The number of deceased organ donors in the UK continued to fall over a number of years but following the implementation of the Organ Donation Taskforce recommendations, the numbers are increasing. The number of donors after brain death (DBD) has increased by 5% over the last four years, reversing the trend which saw a 13% decrease between 2001/2002 and 2007/2008. The number of donors after circulatory death (DCD) has been increasing year-on-year as an effort to bridge the gap between the number of donors and the number of patients waiting for a transplant. In particular the number of these donors has increased by 87% since 2007/2008. Living donors fell to 1,045 this year, representing a 2% decrease on last year, but still representing a 9% increase on 2008/2009.



## 2.2 Transplant list

At 31 March 2011, 10,583 patients were registered for an organ transplant in the UK. Of these 2,783 (26%) patients were temporarily suspended from the active national transplant list because they were unfit or otherwise unavailable for transplant. Details of numbers of patients on each of the organ transplant lists are given in **Table 2.1** for 31 March 2010 and 2011. The total number fell by 197 patients (2%), which is the first time in the last ten years that there has been a fall in the number of patients on the active transplant lists.

	<b>2010</b>	<b>2011</b>	<b>% Change</b>
<b>Kidney &amp; pancreas patients</b>	<b>7226</b>	<b>6921</b>	<b>-4</b>
Kidney	6892	6599	-4
Kidney & pancreas	275	250	-9
Pancreas	42	48	+14
Pancreas islets	17	24	+14
<b>Cardiothoracic patients</b>	<b>388</b>	<b>354</b>	<b>-9</b>
Heart	122	129	+6
Heart/lung	12	13	+8
Lung(s)	254	212	-17
<b>Liver patients</b>	<b>356</b>	<b>491</b>	<b>+38</b>
<b>Intestinal patients<sup>1</sup></b>	<b>9</b>	<b>14</b>	<b>-</b>
<b>Other multi-organ patients<sup>2</sup></b>	<b>18</b>	<b>20</b>	<b>+11</b>
<b>ALL PATIENTS</b>	<b>7997</b>	<b>7800</b>	<b>-2</b>

Percentage not reported when fewer than 10 in either year

<sup>1</sup> Excludes bowel only patients (2 including kidney in 2011)

<sup>2</sup> Includes patients waiting for kidney and liver transplants (13 in 2010, 19 in 2011), kidney and heart transplants (3 in 2010, 1 in 2011), heart and liver transplants (1 in 2010) liver and pancreas transplants (1 in 2010)

### 2.3 Transplants

There was a 1% increase in the total number of organ transplants (from deceased and living donors) last year: 3,740 transplants were performed in 2010-2011 compared with 3,707 in 2009-2010 (**Table 2.2**). All multi-organ transplants are identified separately as are transplants from living donors.

There was no change in the total number of kidney transplants in 2010-2011; kidney transplants from donors after brain death and donors after circulatory death increased by 1% and 3% respectively, while the number of living donor kidney transplants fell by 2%. The total number of cardiothoracic organ transplants rose by 11%, while the number of liver transplants remained constant and the number of pancreas transplants (including pancreas only, kidney/pancreas and pancreas islets) increased by 1%. The decline in the number of some organ transplants may reflect changing donor patterns which are described in Chapter 3.

**Table 2.2 Transplants performed in the UK, 1 April 2009 - 31 March 2011**

<b>Transplant</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>% Change</b>
DBD kidney	954	960	+1
DCD kidney	528	542	+3
Living donor kidney	1038	1020	-2
DBD Kidney & pancreas	138	131	-5
DCD Kidney & pancreas	22	25	+14
DBD Pancreas	30	30	0
DCD Pancreas	10	11	+10
Pancreas islets	9	13	-
Deceased heart	120	131	+9
Domino heart	1	0	-
Heart/lung	5	3	-
DBD Single lung	33	23	-30
DCD Single lung	3	0	-
DBD Double lung	97	124	+28
DCD Double lung	12	22	+83
DBD liver	472	445	-6
DCD liver	97	99	+2
Domino liver	3	4	-
DBD liver lobe	92	119	+29
DCD liver lobe	2	1	-
Living donor liver lobe	20	21	+5
Kidney & liver	15	9	-
Liver & pancreas	5	7	-
Liver & lung	1	0	-
<b>TOTAL ORGAN TRANSPLANTS</b>	<b>3707</b>	<b>3740</b>	<b>+1</b>
<b>Total kidney transplants<sup>1</sup></b>	<b>2695</b>	<b>2687</b>	<b>0</b>
<b>Total pancreas transplants<sup>1</sup></b>	<b>214</b>	<b>217</b>	<b>+1</b>
<b>Total cardiothoracic transplants</b>	<b>272</b>	<b>303</b>	<b>+11</b>
<b>Total liver transplants<sup>1</sup></b>	<b>707</b>	<b>705</b>	<b>0</b>

Percentage not reported when fewer than 10 in either year

<sup>1</sup> Includes intestinal transplants, 14 in 2009-2010 (5 including liver, 1 including kidney) and 8 in 2010-2011 (5 including liver (1 liver only), 1 including kidney), excludes bowel only transplants, see Table 9.2 in Chapter 9