

NHS BLOOD AND TRANSPLANT

BOWEL ADVISORY GROUP

POTENTIAL BOWEL DONORS

- 1 In order to be able to determine the potential for bowel donation from donors after brain death (DBD), 356 DBD who donated at least one solid organ for the intention of transplantation, between 1 September 2010 and 28 February 2011, were identified using data stored in the UK Transplant Registry.
- 2 The ODT Duty Office manually checked the donor notes for all these 356 DBD to determine whether consent for bowel donation was recorded and also whether the bowel was offered for donation. For those donors where bowel offers were made, it was assumed that consent was obtained for bowel donation.
- 3 In the offering process, a donor bowel is offered for donation if the donor satisfies the following criteria:
 - donor age less than or equal to 65 years and donor weight less than or equal to 100 kg, with a BMI less than or equal to 30 kg/m² for adult offers;
 - donor age less than 16 years or donor weight less than 35 kg for paediatric offers then adult offers.

Some intestinal transplant centres apply additional donor criteria to that described above.

- 4 Of the 356 DBD who donated at least one solid organ for the intention of transplantation, 24 (7%) donors were from the Republic of Ireland. Of the 332 UK donors, there was no record of consent for bowel donation recorded with the ODT Duty Office for 154 donors (46%).
- 5 For the remaining 178 donors, 56 donors (31%) were outside the offering criteria described above. This resulted in 122 UK potential bowel donors. (Note that bowel offers for donation were made to centres for several donors who did not satisfy the offering criteria, and these offers were subsequently declined.)
- 6 The remaining 122 potential bowel donors were assumed to have consented for bowel donation based on the ODT Duty Office records for consent and offering information. Note that for these donors consent had also been obtained for both liver and pancreas donation, with the exception of one donor who did not have consent for pancreas donation.
- 7 **Table 1** summarises the liver, pancreas and bowel transplants resulting from the pool of 122 potential bowel donors, broken down by donor blood group and weight.

Transplants performed using organs from potential bowel donors identified from donors after brain death who donated at least one solid organ for the intention of transplantation between 1 September 2010 and 28 February 2011							
Table 1							
Blood group	No. donors	Organs transplanted					
		Liver		Pancreas		Bowel	
	N	N	%	N	%	N	%
O	54	50	93	27	50	7	13
A	51	46	90	20	39	2	4
B	15	13	87	8	53	1	7
AB	2	2	100	0	0	0	0
Total	122	111	91	55	45	10	8
Weight (kg)							
<20	2	2	100	0	0	0	0
20-<35	4	3	75	2	50	2	50
35-60	28	26	93	13	46	5	18
>60	88	80	91	40	45	3	3
Total	122	111	91	55	45	10	8

- 8 Of the 122 potential bowel donors, only 10 (8%) bowels were transplanted compared to 111 (91%) livers and 55 (45%) pancreases.