

## 2007

### SUMMARY - AUSTRALIA

1. In 2007 there were: 198 donors, 9.4 donors per million population [dpmp] with 349 kidneys (including three en bloc and four double adult), (342 recipients), 133 livers (147 recipients), 62 hearts (including six heart/lungs), 150 lungs (65 double, six heart/lungs and eight single lungs), 28 pancreas and five pancreas islets transplanted into recipients. In addition there were 125 corneas, 42 heart valves and eleven bone donations from these donors.
2. In 2007 there were 19 donations after cardiac death (DCD). Nine of these donations occurred in Victoria, eight in New South Wales and two in South Australia.
3. The highest donor rate was in South Australia [17 dpmp], followed by the Northern Territory [14 dpmp], Victoria [11 dpmp], Western Australia and Queensland [9 dpmp], New South Wales [8 dpmp] and the ACT and Tasmania both [2 dpmp].
4. The mean age of donors was 43.4 years, median 45.2 years with a range of 0.7 - 80.4 years.
5. In 2007, the major cause of death in 53% of donors was (CVA) cerebrovascular accident, while road trauma caused 15% of all donor deaths.
6. Donors with a known occupation (59%) were classified as students, pre-school, white and blue collar, management, professional, small business owner, primary industry and tradesperson. An additional 12% were retired, 9% unemployed, 7% home duties, 3% had a disability and 10% were unknown.  
The majority of donors were Caucasoid and their religion was recorded as Christian.
7. Authority for organ donation was sought in 60% of cases by the Intensive Care Clinician or Registrar, volunteered by the family in 73 (37%) and by the Donor Coordinator in 2% of cases.  
Coronial inquiries were required in 48% of all donors.
8. The donation of more than one organ occurred in 82% of donors. The average number of organs transplanted per donor was 3.3.
9. The consent rate for specific organs were 100% of kidneys, 99% livers, 92% hearts, 93% lungs and 95% pancreas.
10. In 2007, from donors where organs had been retrieved, 97% of kidneys, 95% of livers, 83% of hearts, 97% of lungs and 34% of pancreas (28 pancreas and five pancreas islets) were actually transplanted.
11. Four livers were sent to New Zealand in 2007.

### SUMMARY - NEW ZEALAND

1. In 2007 there were: 38 donors, 9 donors per million population [dpmp], which resulted in 65 kidneys (65 recipients), 32 livers (34 recipients), twelve hearts, 26 lungs (13 double lungs) and one pancreas being transplanted into recipients. In addition 40 corneas and 14 heart valves were sent to the tissue bank. There was no bone donation.
2. There were no donation after cardiac death (DCD) donors.
3. The mean age of donors was 46.6 years and median 48.8 years, with an age range of 11.9 - 71.6 years.
4. Cerebrovascular accident (CVA) was the major cause of death in 63% of donors, followed by road trauma, 18%.
5. Fifty percent of donors with a known occupation were classified as students, white and blue collar workers, professional, primary industry, tradesperson, or management. An additional 42% were unknown and 8% (three donors) were unemployed, retired or home duties.  
Thirty seven donors (97%) were Caucasoid and one donor was Korean.  
The religion was unknown for 97% of donors.
6. Authority for organ donation was sought in 92% of cases by the Intensive Care Clinician or Registrar and volunteered in two (5%) of cases.  
Coronial inquiries were required in 32% of donors.
7. The donation of more than one organ occurred in 84% of donors. The average number of organs transplanted per donor was 3.3.
8. The consent rate for specific organs were 100% of kidneys, 100% of livers, 100% of hearts, 100% of lungs and 100% of pancreas.
9. In 2007, from donors where organs had been retrieved, 96% of kidneys, 100% of livers, 100% of hearts, 100% of lungs and 100% of pancreas were actually transplanted.
10. New Zealand has provided 21 kidneys, 216 livers, 26 hearts and 78 lungs to the Australian Transplant programs since 1989.
11. Eight livers, three hearts and eight lungs were sent from New Zealand to Australia in 2007.

## ORGAN DONORS IN AUSTRALIA AND NEW ZEALAND

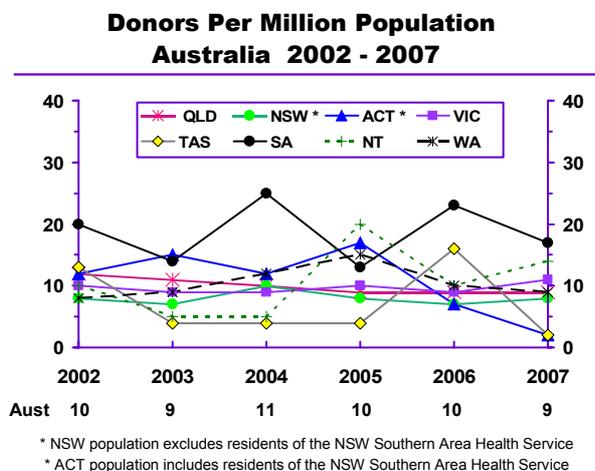
**Figure 1**

<b>Number of Donors** by Retrieval State<sup>x</sup> 2002 - 2007</b>					
<b>( ) Donors Per Million</b>					
	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Queensland	40 (11)	39 (10)	35 (9)	36 (9)	39 (9)
New South Wales + *	46 (7+) (7*)	63 (10+) (9*)	54 (8+) (8*)	49 (7+) (7*)	53 (8+) (8*)
ACT + *	8 (15+) (25*)	6 (12+) (19*)	9 (17+) (28*)	4 (7+) (12*)	1 (2+) (3*)
Victoria	42 (9)	45 (9)	50 (10)	46 <sup>x</sup> (9)	55 (11)
Tasmania	2 (4)	2 (4)	2 (4)	8 (16)	1 (2)
South Australia	22 (14)	39 (25)	20 (13)	36 (23)	27 (17)
Northern Territory	1 (5)	1 (5)	4 (20)	2 (10)	3 (14)
Western Australia	18 (9)	23 (12)	30 (15)	21 (10)	19 (9)
<b>Australia</b>	<b>179 (9)</b>	<b>218 (11)</b>	<b>204 (10)</b>	<b>202 (10)</b>	<b>198 (9)</b>
<b>New Zealand</b>	<b>40 (10)</b>	<b>40 (10)</b>	<b>29 (7)</b>	<b>25 (6)</b>	<b>38 (9)</b>

<sup>x</sup> Refers to donors retrieved by retrieval State (ie Albury-NSW donors retrieved by Victoria)  
<sup>+</sup> NSW population excludes residents of the NSW Southern Area Health Service (included in ACT population)  
<sup>\*</sup> NSW population includes residents of the NSW Southern Area Health Service (excluded from ACT population)  
 Medical services from the ACT service the NSW Southern Area Health Region. Population data—June 2007 ABS 3101.0

**\*\*** This figure relates to the number of donors for whom the retrieval operation commenced for the purpose of transplantation.  
 It includes donors who may have been deemed medically unsuitable at the time of surgery or after removal of organs.

**Figure 2**



Donor figures for Australia for 2007 include six donors who went to the operating theatre but organs were not retrieved. Donor (dpmp) figures in Australia have remained fairly static over time, ranging from 9-11 dpmp during the past five years.

Three donors had an ischaemic bowel, two were found to have organs not suitable and one had a suspected malignancy, which later proved to be benign.

All New Zealand donors had organs retrieved.

In 2007 there was a range between the States of two donors per million population (dpmp) in Tasmania and the ACT to 17 dpmp in South Australia.

The ACT had three donors dpmp when the NSW Southern Area Health Service population was excluded.

**Figure 3**

### International Donor Statistics 2007

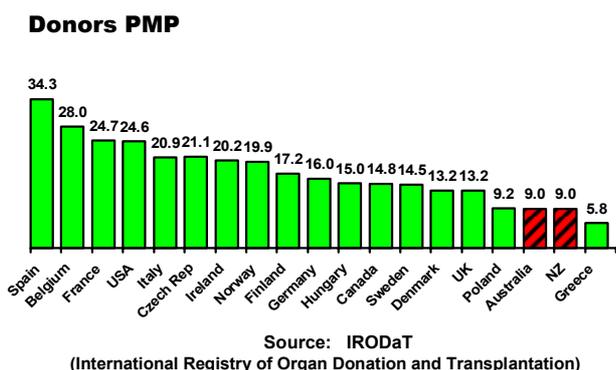


Figure 3 shows the number of donors per million population (dpmp) of Australia and New Zealand compared to other Countries.

Note that the international definition of an organ donor is used for these comparisons (i.e. at least one organ is transplanted from that donor). This definition differs to that used in Figure 1 above.

**Figure 4**

<b>Waiting List for Organs by Transplant Region 01-Jan-2008</b>							
<b>Organs</b>	<b>QLD</b>	<b>NSW/ACT</b>	<b>VIC/TAS</b>	<b>SA/NT</b>	<b>WA</b>	<b>AUST</b>	<b>NZ</b>
Kidney	124	731	368	69	96	<b>1388</b>	<b>559</b>
Liver	32	64	37	18	12	<b>163</b>	<b>31</b>
Heart	6	26	13	-	8	<b>53</b>	<b>6</b>
Heart / Lung	1	2	3	-	-	<b>6</b>	-
Lung	13	30	51	-	6	<b>100</b>	<b>5</b>
Pancreas / Kidney	-	22	16	-	-	<b>38</b>	<b>5</b>
Pancreas Only	-	1	1	-	-	<b>2</b>	-
Pancreas Islets	-	4	3	-	-	<b>7</b>	-
<b>Total</b>	<b>176</b>	<b>880</b>	<b>492</b>	<b>87</b>	<b>122</b>	<b>1757</b>	<b>606</b>

Data provided by NOMS (National Organ Matching System),  
National Liver, ANZ Cardiothoracic and Pancreas Registries  
Dr John Kanellis and A/Prof Francesco Ierino (Pancreas-Victoria)  
The New Zealand Donor Coordinators

**Figure 5**

<b>Transplanted Organs Donated in Australia and New Zealand by State of Transplantation 2007</b>							
<b>Organs</b>	<b>QLD</b>	<b>NSW</b>	<b>VIC</b>	<b>SA</b>	<b>WA</b>	<b>AUST</b>	<b>NZ</b>
Kidneys (Total)	114	187	183	76	52	<b>612</b>	<b>123</b>
Deceased Donor	70	97	93	50	32	<b>342</b>	<b>65</b>
Live Donor *	44 (39%)	90 (48%)	90 (49%)	26 (34%)	20 (38%)	<b>270 (44%)</b>	<b>58 (47%)</b>
Per Million [ ]	[11]	[12]	[17]	[14]	[9]	<b>[13]</b>	<b>[14]</b>
Liver (Recipients)	28	51	40	18	14	<b>151</b>	<b>30</b>
Live Donor <sup>+</sup>	-	3	1	-	-	<b>4</b>	<b>4</b>
Heart	13	18	23	-	5	<b>59</b>	<b>9</b>
Domino #	-	-	-	-	-	-	-
Heart / Lung	2	3	-	-	1	<b>6</b>	-
Lung (Recipients)	9 double 0 single	25 double 2 single	29 double 6 single	-	6 double 0 single	<b>69 double 8 single</b>	<b>9 double 0 single</b>
Pancreas / Kidney	-	16	9	-	-	<b>25</b>	<b>1</b>
Pancreas Only	-	3	-	-	-	<b>3</b>	-
Pancreas Islets	-	4	1	-	-	<b>5</b>	-
<b>Total</b>	<b>166</b>	<b>312</b>	<b>292</b>	<b>94</b>	<b>78</b>	<b>942</b>	<b>176</b>

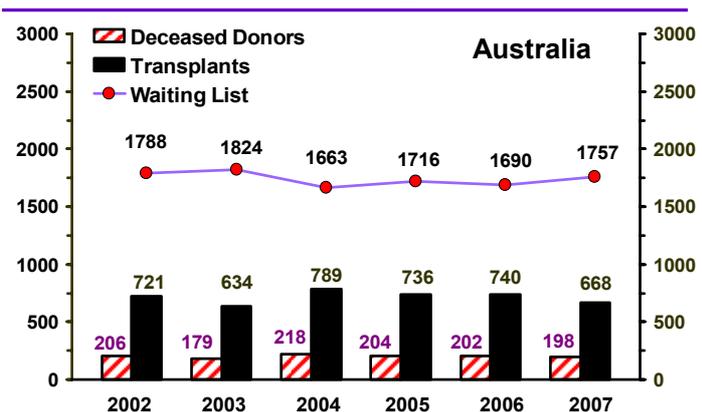
\* Living Kidney Donor Registry (Anzdata)    + National Liver Registry    # ANZ Cardiothoracic Registry

**Figure 6**

The number of donors, transplants, and patients on the waiting list from 2002 to 2007.

Transplants includes those from donor organs from Australia and New Zealand.

**Number of Deceased Donors Solid Organ Transplants and Patients on the Waiting List 2002 - 2007**



## DONORS PER THOUSAND DEATHS

Historically the comparison of organ donation rates between states and countries has been based upon donors per million population (dmpm).

However, using the number of deaths and therefore the ability of a deceased person to be a donor as the denominator may be a more reasonable way of comparing donation rates shown in Figures 4 and 5.

*Australian data on deaths for 2007 is not available until August of 2008.*

*New Zealand 2007 data was also not available.*

**Figure 7**

<b>Donors per Million Population and Donors per Thousand Deaths ( )</b>										
<b>Australian States - Australia and New Zealand 2002 - 2006</b>										
Year	QLD	NSW *	ACT *	VIC	TAS	SA	NT	WA	AUST	NZ
2002	12 (1.9)	8 (1.2)	19 (4.6)	10 (1.4)	13 (1.5)	20 (2.7)	10 (2.4)	8 (1.3)	<b>10 (1.6)</b>	<b>10 (1.3)</b>
2003	11 (1.6)	7 (0.9)	25 (5.8)	9 (1.2)	4 (0.5)	14 (1.8)	5 (1.1)	9 (1.6)	<b>9 (1.3)</b>	<b>10 (1.4)</b>
2004	10 (1.6)	9 (1.4)	19 (4.2)	9 (1.4)	4 (0.5)	25 (3.4)	5 (1.1)	12 (2.1)	<b>11 (1.6)</b>	<b>10 (1.4)</b>
2005	9 (1.5)	8 (1.2)	28 (6.0)	10 (1.5)	4 (0.5)	13 (1.7)	20 (4.1)	15 (2.6)	<b>10 (1.6)</b>	<b>7 (1.1)</b>
2006	9 (1.5)	7 (1.1)	12 (2.7)	9 (1.3)	16 (2.0)	23 (3.0)	10 (2.1)	10 (1.8)	<b>10 (1.5)</b>	<b>9 (0.9)</b>

\* Donors per million population refers to the NSW and the ACT actual population  
Data for deaths in the NSW Southern Area Health Service was not available

**Figure 8**

<b>Donors per Thousand Deaths Aged &lt;75 years 2002 - 2006</b>										
<b>( ) Represents % of Total Deaths Aged &lt; 75 years *</b>										
Year	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
2002	4.4 (40%)	3.0 (38%)	11.6 (38%)	3.8 (34%)	3.9 (38%)	7.4 (35%)	2.7 (79%)	3.2 (40%)	<b>4.0 (38%)</b>	<b>3.3 (41%)</b>
2003	4.1 (40%)	2.5 (37%)	8.3 (42%)	3.5 (36%)	1.3 (38%)	5.0 (34%)	1.5 (76%)	3.9 (40%)	<b>3.4 (38%)</b>	<b>3.4 (40%)</b>
2004	4.0 (39%)	3.7 (35%)	10.1 (42%)	3.7 (34%)	1.4 (36%)	9.8 (34%)	1.4 (78%)	4.8 (40%)	<b>4.3 (37%)</b>	<b>3.4 (48%)</b>
2005	3.6 (39%)	3.2 (36%)	16.5 (36%)	4.4 (35%)	1.3 (37%)	4.8 (34%)	5.1 (78%)	6.3 (39%)	<b>4.1 (37%)</b>	<b>2.7 (40%)</b>
2006	3.8 (38%)	2.9 (34%)	7.0 (38%)	4.0 (33%)	5.6 (36%)	9.0 (32%)	2.8 (76%)	4.6 (39%)	<b>4.1 (36%)</b>	<b>2.3 (39%)</b>

\* The number of actual donors is compared to the number of deaths that are aged less than 75 years (Figure 8)  
Australian Bureau of Statistics - Deaths 3302.0 and Statistics NZ

## DONOR POSTCODES

In the last five years (2003-2007) there have been 13 deceased donors from overseas in Australia and four in New Zealand. There were two donors from overseas in 2007, one each in New South Wales and Western Australia and none in New Zealand.

**Figure 9**

<b>Location of Postcodes of Deceased Donors 2003 - 2007</b>										
Postcode	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	
Metropolitan	94 (50%)	188 (71%)	19 (68%)	160 (68%)	0 (0%)	100 (70%)	0 (0%)	73 (66%)	634 (63%)	
Inner Regional	49 (26%)	54 (20%)	7 (25%)	59 (25%)	8 (53%)	22 (15%)	0 (0%)	11 (10%)	210 (21%)	
Outer Regional	35 (18%)	17 (6%)	2 (7%)	17 (7%)	4 (27%)	9 (6%)	6 (55%)	11 (10%)	101 (10%)	
Rural	7 (4%)	3 (1%)	0 (0%)	1 (<1%)	3 (20%)	10 (7%)	5 (45%)	14 (13%)	43 (5%)	
Overseas	4 (2%)	4 (2%)	0 (0%)	0 (0%)	0 (0%)	3 (2%)	0 (0%)	2 (1%)	13 (1%)	
<b>Total</b>	<b>189</b>	<b>266</b>	<b>28</b>	<b>237</b>	<b>15</b>	<b>144</b>	<b>11</b>	<b>111</b>	<b>1001</b>	

## DONOR PROFILE

### AGE AND GENDER DISTRIBUTION

In Australia in 2007, 12% (23 donors) were 65 years or older and 4% (seven donors) were aged 75 years or older. The oldest donor was 80.4 years (Figure 11).

Donor gender in each State, Australia and New Zealand is shown in five year cohorts in Figure 10.

The mean age for donors in Australia, 43.4 years, remained similar to the past four years. The mean age for Australian States ranged from 37.5 years in Queensland and Tasmania to 58.9 years in the ACT.

The median age for Australia in 2007 was 45.2, similar to the past two years. The age range was between 8.7 months and 80.4 years.

In Australian States the median age ranged from 42.3 years in Queensland to 59.2 years in the Northern Territory, excluding Tasmania and the ACT, who both had only one donor each.

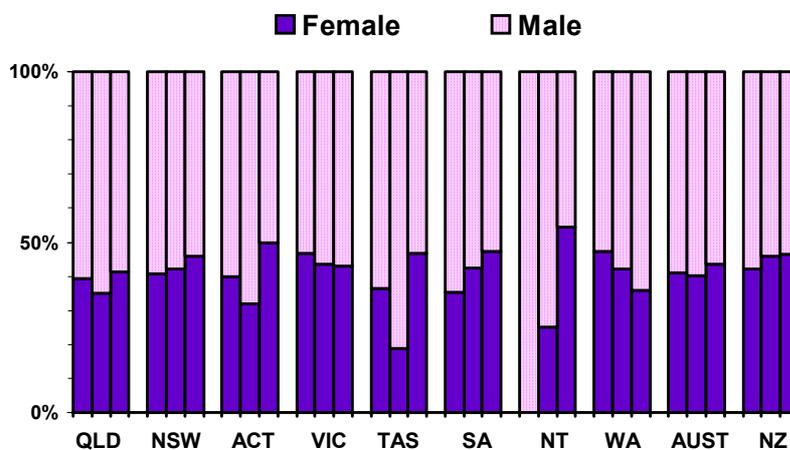
The mean and median age for donors from 1990 to 2007 for each State are shown in three year cohorts in Figures 12 and 13.

In New Zealand in 2007 the mean age increased from 36.5 years to 46.6 years and the median age from 35.4 years to 48.8 years in 2007. Two donors were over 65 years. The age range was 11.9 years to 71.6 years.

Figures 14 shows donors according to age and gender in Australia and New Zealand for the years 1999-2001, 2002-2004 and 2005-2007.

**Figure 10**

### Donor Gender – States, Australia, New Zealand 1993-1997    1998-2002    2003-2007



**Figure 11**

<b>Age of Male and Female Donors 1999 - 2007</b>								
	Year	Mean (years)			Median (years)			Range in Years
		All	Female	Male	All	Female	Male	
<b>Aust</b>	1999	39.3	43.2	36.4	42.5	47.5	36.2	0.21 - 77.1
	2000	41.1	42.6	40.0	44.1	45.1	43.0	0.4 - 77.9
	2001	40.0	43.1	38.3	42.9	47.3	39.9	6.4 - 77.4
	2002	38.7	39.4	38.3	40.8	42.1	40.0	0.01 - 78.8
	2003	42.7	46.4	40.1	45.5	48.4	42.1	0.96 - 85.3
	2004	43.2	44.0	42.7	46.6	47.4	44.1	1.12 - 80.5
	2005	42.8	46.8	39.3	45.3	50.0	40.5	0.6 - 79.5
	2006	43.3	45.5	41.3	45.3	48.0	44.1	1.3 - 78.2
2007	43.4	46.0	44.3	45.2	49.6	42.0	0.7 - 80.4	
<b>NZ</b>	1999	42.7	45.5	39.3	49.7	50.4	40.3	3.1 - 69.7
	2000	39.7	38.3	40.9	42.6	42.6	42.2	5.5 - 68.5
	2001	41.1	44.7	37.7	42.6	48.1	35.2	16.6 - 68.9
	2002	40.3	38.5	42.1	42.6	42.0	45.8	7.7 - 66.7
	2003	38.0	35.6	39.4	39.7	40.3	39.0	13.0 - 75.1
	2004	43.0	43.4	42.7	46.1	47.7	43.4	1.15 - 78.2
	2005	45.3	47.1	43.9	48.6	48.6	45.4	17.4 - 64.4
	2006	36.5	41.6	33.2	35.4	38.4	30.0	11.6 - 69.4
2007	46.6	47.4	45.3	48.8	49.1	48.4	11.9 - 71.6	

**Figure 12**

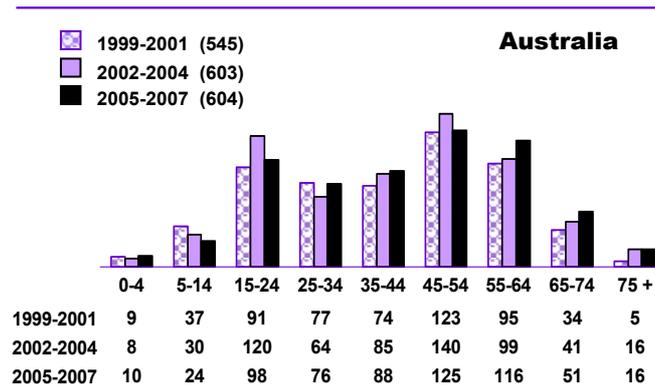
<b>Australian States Mean Age of Donors</b>								
Years	QLD	NSW	ACT	VIC	TAS	SA	NT	WA
1990 - 1992	31.5	36.8	31.3	35.2	27.0	34.7	34.9	32.5
1993 - 1995	33.1	38.6	37.7	39.4	25.8	37.9	32.1	37.4
1996 - 1998	34.7	40.4	46.0	43.4	39.8	41.2	37.9	33.0
1999 - 2001	40.3	41.2	35.5	42.3	37.0	38.9	32.6	36.6
2002 - 2004	37.8	44.1	43.6	44.3	33.4	40.8	54.0	36.7
2005 - 2007	39.7	45.4	39.2	42.4	35.3	46.6	41.0	43.3

**Figure 13**

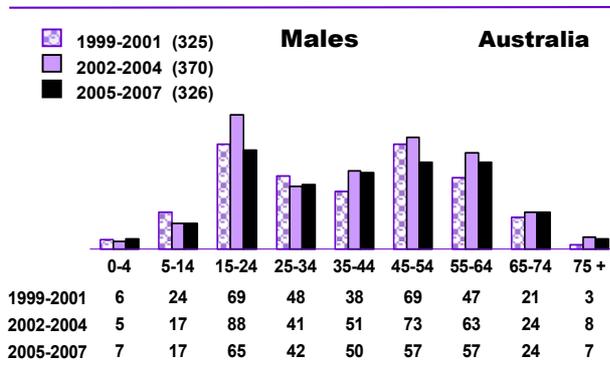
<b>Australian States Median Age of Donors</b>								
Years	QLD	NSW	ACT	VIC	TAS	SA	NT	WA
1990 - 1992	32.5	36.7	36.7	33.3	28.6	35.0	31.8	32.9
1993 - 1995	31.5	39.9	34.8	40.8	22.2	38.3	29.9	36.2
1996 - 1998	37.3	41.0	46.4	47.4	37.9	46.1	35.5	31.7
1999 - 2001	43.4	43.1	35.6	45.7	40.9	43.4	26.3	37.8
2002 - 2004	40.3	45.3	45.6	48.5	29.7	44.1	54.4	36.2
2005 - 2007	42.3	48.3	40.4	46.6	36.2	45.8	42.4	45.1

**Figure 14**

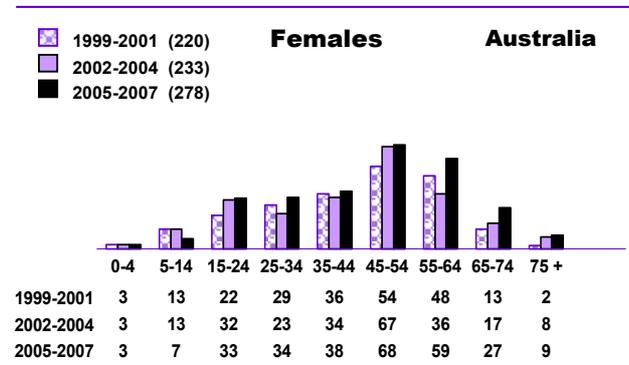
**Age Group of Deceased Donors**



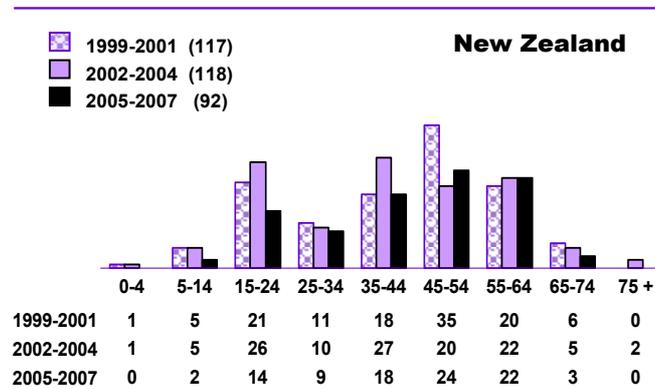
**Age and Gender Distribution of Donors**



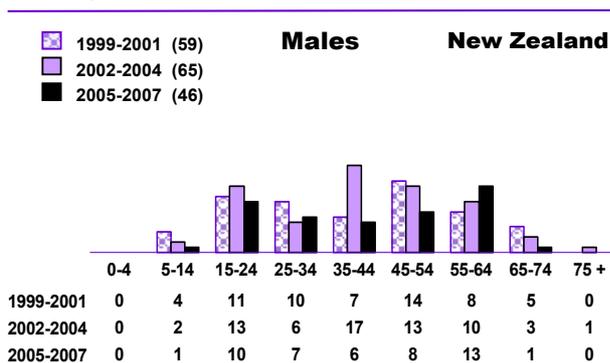
**Age and Gender Distribution of Donors**



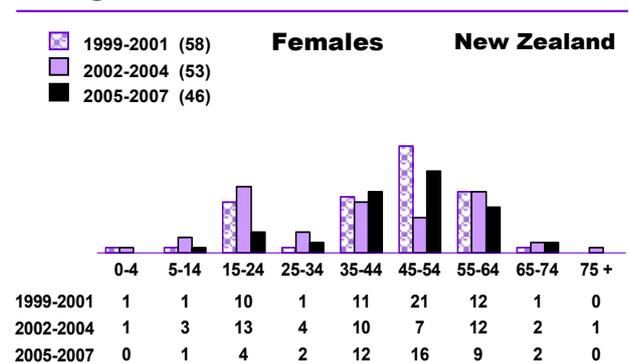
**Age Group of Deceased Donors**



**Age and Gender Distribution of Donors**



**Age and Gender Distribution of Donors**



## CAUSE OF DEATH - ALL DONORS

Figure 15 shows the cause of death for all organ donors in Australia since 1989 and for New Zealand since 1993.

In Australia and New Zealand road trauma is a reducing cause of death. In contrast cerebrovascular accident (CVA) has been steadily increasing in Australia since 1989 although this not appear to be the case in New Zealand, where figures have remained relatively steady.

In the period 2001-2007, CVA accounted for 53% of donor deaths and road trauma 18%.

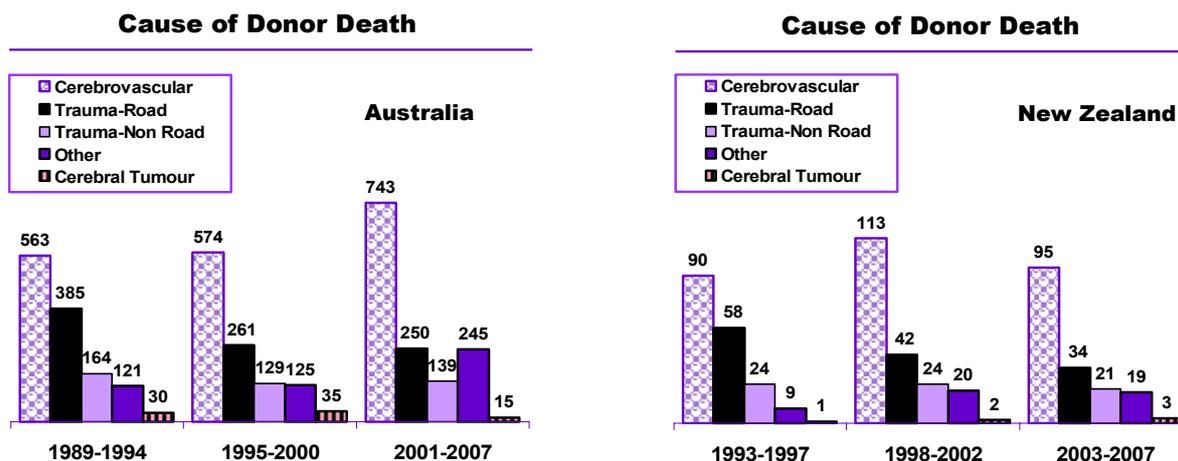
Figure 16 shows the cause of death by percentage in Australia and New Zealand and each Australian State, from 2001 to 2007.

Figure 18 shows that CVA is the main cause of death in donors 55 years and older, 73% in Australia and 67% in New Zealand, whereas in the 15-34 year age group, trauma accounted for 49% of all deaths in Australia and 100% in New Zealand in 2007.

The cause of death by age group is shown in Figure 19 for each Australian State for 2007.

Figures 21-23 show the occupation, ethnic origin and religious denomination of donors in Australia and New Zealand for 2002-2007.

**Figure 15**



**Figure 16**

Cause of Donor Death 2001 - 2007										
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ *
CVA	49%	56%	49%	60%	58%	50%	67%	47%	53%	56%
Trauma (road)	23%	17%	24%	13%	8%	16%	20%	22%	18%	21%
Trauma (non-road)	14%	8%	12%	7%	17%	7%	13%	18%	10%	12%
Hypoxia-Anoxia	11%	14%	15%	15%	17%	24%	0%	8%	15%	6%
Cerebral Tumour	1%	1%	0%	1%	0%	1%	0%	3%	1%	1%
Other	2%	4%	0%	4%	0%	2%	0%	2%	3%	4%

\* NZ 2003 - 2007

**Figure 17**

<b>Cause of Donor Death 2007</b>							
<b>Causes of Death</b>		<b>Australia</b>			<b>New Zealand</b>		
		<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
CVA	Cerebral Infarct	5	10	<b>15</b>	3	2	<b>5</b>
	Intracranial Haemorrhage	21	21	<b>42</b>	3	3	<b>6</b>
	Subarachnoid Haemorrhage	16	31	<b>47</b>	2	11	<b>13</b>
Road Trauma	Cyclist	4	1	<b>5</b>	0	0	<b>0</b>
	Motor Bike Accident	6	0	<b>6</b>	1	1	<b>2</b>
	Motor Vehicle Accident	11	3	<b>14</b>	3	2	<b>5</b>
	Pedestrian	4	0	<b>4</b>	0	0	<b>0</b>
	Other Road Accident	1	0	<b>1</b>	0	0	<b>0</b>
Other Trauma	Fall	7	6	<b>13</b>	2	1	<b>3</b>
	Felony / Crime - Assault	6	0	<b>6</b>	0	0	<b>0</b>
	Gunshot	3	0	<b>3</b>	0	0	<b>0</b>
	Other Accident	2	1	<b>3</b>	0	0	<b>0</b>
Hypoxia Anoxia	Aortic Dissection	1	0	<b>1</b>	0	0	<b>0</b>
	Asthma	1	2	<b>3</b>	0	0	<b>0</b>
	Cardiac Arrest	8	5	<b>13</b>	1	1	<b>2</b>
	Drowning	1	2	<b>3</b>	0	0	<b>0</b>
	Electrocution	1	0	<b>1</b>	0	0	<b>0</b>
	Epiglottitis-Unable to intubate	1	0	<b>1</b>	0	0	<b>0</b>
	Epilepsy	1	0	<b>1</b>	0	0	<b>0</b>
	? Fit ? Subarachnoid Haemorrhage	0	1	<b>1</b>	0	0	<b>0</b>
	Hanging	3	1	<b>4</b>	0	0	<b>0</b>
	Hyperthermia	1	0	<b>1</b>	0	0	<b>0</b>
	Post Bypass Surgery	1	0	<b>1</b>	0	0	<b>0</b>
	Post Wrist Slashing	1	0	<b>1</b>	0	0	<b>0</b>
	Strangulation	0	1	<b>1</b>	0	0	<b>0</b>
Other	Cerebral Oedema	2	0	<b>2</b>	0	0	<b>0</b>
	Extradural Haematoma	2	0	<b>2</b>	0	0	<b>0</b>
	Glioblastoma (Malignant)	0	1	<b>1</b>	0	0	<b>0</b>
	Meningitis (Streptococcus)	0	0	<b>0</b>	0	1	<b>1</b>
	Paracetamol Overdose	0	1	<b>1</b>	0	0	<b>0</b>
	Respiratory Failure	0	1	<b>1</b>	0	0	<b>0</b>
	Ventricular Colloid Cyst	0	0	<b>0</b>	0	1	<b>1</b>
<b>Total</b>		<b>110</b>	<b>88</b>	<b>198</b>	<b>15</b>	<b>23</b>	<b>38</b>

Figure 18

Cause of Donor Death Related to Age Group 2007										
	Australia					New Zealand				
	Age Groups				Total	Age Groups				Total
	0-14	15-34	35-54	55 on		0-14	15-34	35-54	55 on	
CVA	1	19	37	47	104 (53%)	0	0	16	8	24 (63%)
Trauma (road)	1	25	2	2	30 (15%)	1	5	0	1	7 (18%)
Trauma (non-road)	2	8	6	9	25 (13%)	0	1	0	2	3 (8%)
Hypoxia-Anoxia	2	12	12	6	32 (16%)	0	0	1	1	2 (<5%)
Cerebral Tumour	0	1	0	0	1 (<1%)	0	0	0	0	0 (0%)
Other	1	2	3	0	6 (3%)	0	0	2	0	2 (<5%)
<b>Total</b>	<b>7</b>	<b>67</b>	<b>60</b>	<b>64</b>	<b>198</b>	<b>1</b>	<b>6</b>	<b>19</b>	<b>12</b>	<b>38</b>

Figure 19

Australian States Cause of Death Related to Age Group 2007						
		Age Groups				Total
		0-14	15-34	35-54	55 on	
Queensland	CVA	0	3	8	5	16
	Trauma (road)	0	5	1	1	7
	Trauma (non-road)	1	2	1	1	5
	Other	2	4	3	2	11
	<b>Total</b>	<b>3</b>	<b>14</b>	<b>13</b>	<b>9</b>	<b>39</b>
NSW	CVA	0	4	10	14	28
	Trauma (road)	1	6	1	0	8
	Trauma (non-road)	1	2	1	2	6
	Other	1	6	1	3	11
	<b>Total</b>	<b>3</b>	<b>18</b>	<b>13</b>	<b>19</b>	<b>53</b>
ACT	CVA	0	0	0	1	1
	Trauma (road)	0	0	0	0	0
	Trauma (non-road)	0	0	0	0	0
	Other	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
Victoria	CVA	1	7	12	11	31
	Trauma (road)	0	9	0	1	10
	Trauma (non-road)	0	2	0	3	5
	Other	0	2	7	0	9
	<b>Total</b>	<b>1</b>	<b>20</b>	<b>19</b>	<b>15</b>	<b>55</b>
Tasmania	CVA	0	0	1	0	1
	Trauma (road)	0	0	0	0	0
	Trauma (non-road)	0	0	0	0	0
	Other	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
South Australia	CVA	0	4	3	10	17
	Trauma (road)	0	3	0	0	3
	Trauma (non-road)	0	0	1	2	3
	Other	0	1	3	0	4
	<b>Total</b>	<b>0</b>	<b>8</b>	<b>7</b>	<b>12</b>	<b>27</b>
Northern Territory	CVA	0	0	0	2	2
	Trauma (road)	0	0	0	0	0
	Trauma (non-road)	0	0	1	0	1
	Other	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Western Australia	CVA	0	1	3	4	8
	Trauma (road)	0	2	0	0	2
	Trauma (non-road)	0	2	2	1	5
	Other	0	2	1	1	4
	<b>Total</b>	<b>0</b>	<b>7</b>	<b>6</b>	<b>6</b>	<b>19</b>

Figure 20

<b>Cause of Donor Death 2000 - 2007</b>		<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Queensland</b>	CVA	17	25	21	19	18	19	19	16
	Trauma (road)	9	12	12	13	11	3	8	7
	Trauma (non-road)	5	6	6	6	7	6	2	5
	Hypoxia-Anoxia	6	4	3	2	2	6	6	9
	Other	0	1	2	0	1	1	1	2
<b>Total</b>	<b>37</b>	<b>48</b>	<b>44</b>	<b>40</b>	<b>39</b>	<b>35</b>	<b>36</b>	<b>39</b>	
<b>NSW</b>	CVA	27	24	31	24	37	31	30	28
	Trauma (road)	12	7	8	12	8	9	10	8
	Trauma (non-road)	9	3	6	4	5	3	2	6
	Hypoxia-Anoxia	5	8	7	4	11	8	5	8
	Other	2	5	3	2	2	3	3	3
<b>Total</b>	<b>55</b>	<b>47</b>	<b>55</b>	<b>46</b>	<b>63</b>	<b>54</b>	<b>50</b>	<b>53</b>	
<b>ACT</b>	CVA	2	3	3	4	3	3	3	1
	Trauma (road)	2	2	1	2	1	4	0	0
	Trauma (non-road)	1	0	0	1	2	1	1	0
	Hypoxia-Anoxia	0	2	2	1	0	1	0	0
	Other	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>8</b>	<b>6</b>	<b>9</b>	<b>4</b>	<b>1</b>	
<b>Victoria</b>	CVA	27	22	30	28	27	30	25	31
	Trauma (road)	8	7	10	1	4	3	8	10
	Trauma (non-road)	2	1	1	4	5	5	1	5
	Hypoxia-Anoxia	5	6	4	7	6	10	9	8
	Other	2	4	2	2	3	2	2	1
<b>Total</b>	<b>44</b>	<b>40</b>	<b>47</b>	<b>42</b>	<b>45</b>	<b>50</b>	<b>45</b>	<b>55</b>	
<b>Tasmania</b>	CVA	1	2	4	0	1	1	5	1
	Trauma (road)	0	0	1	1	0	0	0	0
	Trauma (non-road)	0	1	1	1	0	1	0	0
	Hypoxia-Anoxia	0	0	0	0	1	0	3	0
	Other	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>1</b>	
<b>South Australia</b>	CVA	14	12	13	11	17	11	18	17
	Trauma (road)	5	7	8	4	3	5	3	3
	Trauma (non-road)	4	2	1	2	3	2	1	3
	Hypoxia-Anoxia	3	4	9	5	15	1	11	3
	Other	4	0	0	0	1	1	3	1
<b>Total</b>	<b>30</b>	<b>25</b>	<b>31</b>	<b>22</b>	<b>39</b>	<b>20</b>	<b>36</b>	<b>27</b>	
<b>Northern Territory</b>	CVA	1	1	1	1	1	2	2	2
	Trauma (road)	1	1	0	0	0	2	0	0
	Trauma (non-road)	0	0	1	0	0	0	0	1
	Hypoxia-Anoxia	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>3</b>	
<b>Western Australia</b>	CVA	13	6	4	7	11	16	13	8
	Trauma (road)	4	5	6	4	5	6	3	2
	Trauma (non-road)	1	1	3	6	3	4	3	5
	Hypoxia-Anoxia	3	1	1	1	3	0	1	4
	Other	1	0	1	0	1	4	1	0
<b>Total</b>	<b>22</b>	<b>13</b>	<b>15</b>	<b>18</b>	<b>23</b>	<b>30</b>	<b>21</b>	<b>19</b>	
<b>New Zealand</b>	CVA	24	22	21	20	20	17	14	24
	Trauma (road)	6	9	8	9	7	3	8	7
	Trauma (non-road)	5	4	5	7	7	3	1	3
	Hypoxia-Anoxia	4	0	4	2	6	0	0	2
	Other	2	2	0	2	0	6	2	2
<b>Total</b>	<b>41</b>	<b>37</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>	

Please refer to Appendix I (pages 8-12) and Appendix II (pages 4 and 5) for further details of causes of donor death

**Figure 21**

<b>Occupation of Donors 2002 - 2007</b>												
	<b>Australia</b>						<b>New Zealand</b>					
	2002	2003	2004	2005	2006	2007	2002	2003	2004	2005	2006	2007
Blue collar	35	40	48	41	49	34	4	4	1	1	4	2
Home duties	8	7	15	17	16	14	2	0	1	0	2	1
Disability	9	3	8	10	5	5	3	2	0	1	1	0
Management	6	1	5	0	3	4	1	0	1	0	0	1
Other	3	0	2	2	2	1	0	1	0	0	0	0
Pre-school	5	2	1	7	0	2	0	0	1	0	0	0
Primary industry	3	2	6	2	2	3	1	3	2	0	0	3
Professional	18	11	16	15	15	13	4	1	3	5	1	4
Retired	17	22	25	18	20	24	1	1	4	0	2	1
Small business owner	2	3	1	1	2	4	0	2	1	1	1	0
Student	34	20	19	16	23	19	5	5	4	3	3	3
Tradesperson	17	17	20	8	6	16	3	3	2	0	1	2
Unemployed	7	6	6	6	5	18	1	0	0	0	0	1
Unknown	34	27	13	34	28	20	7	16	20	15	9	16
White collar	8	18	13	27	26	21	6	2	0	3	1	4
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

**Figure 22**

<b>Ethnic Origin of Donors 2002 - 2007</b>												
	<b>Australia</b>						<b>New Zealand</b>					
	2002	2003	2004	2005	2006	2007	2002	2003	2004	2005	2006	2007
Aboriginal	0	1	2	1	2	1	0	0	0	0	0	0
Afrikaans	0	1	0	0	0	0	0	0	0	0	0	0
Caucasoid	197	169	208	192	187	190	33	39	35	24	17	37
Greek	(4)	(0)	(2)	(1)	(1)	(1)	0	0	0	0	0	0
Italian	(1)	(4)	(0)	(1)	(1)	(1)	0	0	0	0	0	0
Chinese	2	0	2	2	2	1	0	0	0	0	0	0
Columbian	0	1	0	0	0	0	0	0	0	0	0	0
Eurasian	0	1	0	0	0	0	0	0	0	0	0	0
Filipino	1	0	1	0	1	0	0	0	1	0	0	0
Indian	2	1	2	3	2	0	1	0	0	1	1	0
Japanese	0	0	0	0	1	0	0	0	0	0	0	0
Korean	0	0	0	0	0	1	0	0	0	2	0	1
Malay	0	0	0	0	3	0	0	0	0	1	0	0
Maori	0	3	0	0	0	1	3	0	3	0	7	0
Mauritian	0	0	0	1	1	0	0	0	0	0	0	0
Nigerian	0	0	0	0	0	1	0	0	0	0	0	0
Pacific People	1	1	0	1	0	2	1	1	1	0	0	0
Peruvian	0	0	0	0	0	1	0	0	0	0	0	0
Sri Lankan	1	0	1	2	0	0	0	0	0	0	0	0
Thai	0	0	0	0	1	0	0	0	0	0	0	0
Unknown	0	0	0	0	1	0	0	0	0	1	0	0
Vietnamese	2	1	2	2	1	0	0	0	0	0	0	0
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

**Figure 23**

<b>Religious Denomination of Donors 2002 - 2007</b>												
	<b>Australia</b>						<b>New Zealand</b>					
	2002	2003	2004	2005	2006	2007	2002	2003	2004	2005	2006	2007
Bahai	0	0	0	0	0	0	0	0	1	0	0	0
Buddhist	1	1	0	3	1	0	0	0	0	0	0	0
Christian	87	75	92	72	92	59	5	3	7	6	2	3
Jehovah's Witness	1	0	2	0	0	0	0	0	0	0	0	0
Jewish	0	0	1	0	0	0	0	0	0	0	0	0
Druid	1	0	0	0	0	0	0	0	0	0	0	0
Hindu	0	0	3	3	2	0	1	0	0	1	1	0
Muslim	0	2	0	0	0	0	0	0	0	0	0	0
No religion	24	20	16	37	28	21	0	0	0	0	0	0
Unknown	92	81	104	89	79	118	32	37	32	22	22	35
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

## INTENDED DONORS

An intended donor is a person for whom consent has been given or volunteered, but for various reasons the donor does not proceed to the operating theatre.

(These numbers are **not** included in the donor numbers in Figure 1).

**Figure 24**

Intended Donors 2002 - 2007										
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
2002	0	3	0	1	0	3	0	1	8	0
2003	0	2	0	3	0	0	0	1	6	0
2004	3	6	0	4	0	1	0	0	14	0
2005	3	2	0	0	1	1	0	0	7	0
2006	1	6	0	2	0	2	0	1	12	0
2007	0	6	1	5	0	3	0	0	15	0

**Figure 25**

Reasons Why Donation Did Not Proceed 2002 - 2007	
Year	Australia
2002	Hepatitis C antibody positive Coronial refusal (2) Cardiac arrest in operating theatre DCD potential donor - criteria not met Surgical team not available High risk behaviour - Hepatitis C antibody positive Risk factors Creutzfeldt-Jacob Disease
2003	Cardiac Arrest (2) Coronial refusal Hepatitis B surface antigen and core antibody positive Hepatitis C antibody positive - No suitable recipients High risk behaviour
2004	Cardiac arrest Coronial refusal Deterioration of renal function and unstable donor Family refusal prior to donation Hepatitis B surface antigen and core antibody positive Hepatitis C antibody positive (2) High risk behaviour (2) Past history of malignancy (2) Suspected malignancy (2) Reassessment of medical history, then deemed medically unfit
2005	DCD potential donors - did not proceed to cardiac standstill (2) Disease of organs and infection Family refusal prior to donation Parainfluenza3 virus Past history of malignancy Past medical history and overall poor health
2006	DCD potential donors - did not proceed to cardiac standstill (4) Disease of organs and infection (3) Past history of malignancy (2) Consent withdrawn Hepatitis B surface antigen and core antibody positive Hepatitis B core antibody and Hepatitis C positive
2007	DCD potential donors - did not proceed to cardiac standstill (3) DCD - Lung protocol only. Lungs medically unsuitable (3) DCD - Past history of malignancy DCD - Medically unsuitable Coronial refusal Found to have refused on driver's licence Hepatitis C positive - no suitable recipients High risk behaviour Past history of malignancy Organs medically unsuitable Risk of transmissible disease - recent return from overseas

## DONATION AFTER CARDIAC DEATH DONORS

The majority of organs are donated by heart-beating brain dead patients.

After a heart-beating donor is certified brain dead, they remain on the ventilator and the removal of organs may occur many hours later.

Donation after cardiac death (DCD) donors are defined as patients who are certified dead using the criterion of irreversible cessation of circulation.

As soon as cardiac death is confirmed the retrieval procedure is commenced in order to minimize warm ischaemic time.

In 2005 there was an increase in the number of DCD donors to nine. Eight of these donations occurred in New South Wales.

In 2006 there were a further eight DCD donors, four in New South Wales, three in South Australia and one in Victoria. The first multiorgan DCD was performed in South Australia in 2006.

In 2007 there were 19 DCD donors, eight in New South Wales, nine in Victoria and two in South Australia. Six of these DCD donors had two or more organs retrieved and transplanted (two kidneys = one organ). The total since 1989 is 66 donors, as shown in Figure 26.

Two of the 19 donors in 2007 did not have any organs transplanted or stored. One was found to have an ischaemic bowel in the operating theatre and another had double lungs retrieved (lung protocol only donor), but the lungs were not transplanted due to consolidation and a size mismatch.

The number and type of organs transplanted or stored from 1989-2007 is shown for each State in Figure 27 and for Australia in Figure 28.

There were eight intended DCD donors during 2007, three did not proceed to cardiac standstill, three were lung protocol only donors, but the lungs were medically unsuitable, one had a past history of malignancy and one had organs medically unsuitable.

**Figure 26**

<b>Donation after Cardiac Death Donors 1989 - 2007</b>										
	<b>QLD</b>	<b>NSW</b>	<b>ACT</b>	<b>VIC</b>	<b>TAS</b>	<b>SA</b>	<b>NT</b>	<b>WA</b>	<b>AUST</b>	<b>NZ</b>
1989	0	0	0	1	0	1	0	0	<b>2</b>	-
1990	0	2	0	0	0	1	0	0	<b>3</b>	-
1991	0	2	0	0	0	0	0	0	<b>2</b>	-
1992	0	1	0	0	0	0	0	0	<b>1</b>	-
1993	0	0	0	0	0	0	0	0	<b>0</b>	<b>0</b>
1994	0	0	0	0	0	1	0	0	<b>1</b>	<b>1</b>
1995	0	3	0	1	0	0	0	0	<b>4</b>	<b>0</b>
1996	1	1	0	0	0	0	0	0	<b>2</b>	<b>0</b>
1997	0	2	0	0	0	1	0	0	<b>3</b>	<b>1</b>
1998	0	0	0	0	0	2	0	0	<b>2</b>	<b>0</b>
1999	1	0	0	0	0	0	0	0	<b>1</b>	<b>0</b>
2000	0	0	0	0	0	0	1	0	<b>1</b>	<b>0</b>
2001	0	1	0	1	0	0	0	0	<b>2</b>	<b>0</b>
2002	0	0	0	0	0	1	1	0	<b>2</b>	<b>0</b>
2003	0	1	0	0	0	0	0	0	<b>1</b>	<b>0</b>
2004	0	2	0	0	0	0	0	1	<b>3</b>	<b>0</b>
2005	0	8	0	0	0	1	0	0	<b>9</b>	<b>0</b>
2006	0	4	0	1	0	3	0	0	<b>8</b>	<b>0</b>
2007	0	8	0	9	0	2	0	0	<b>19</b>	<b>0</b>
<b>Total</b>	<b>2</b>	<b>35</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>2</b>	<b>1</b>	<b>66</b>	<b>2</b>

**Figure 27**

<b>Donation After Cardiac Death Donors 1989 - 2007</b>																				
<b>Organs Transplanted or Sent to Tissue Bank by Donor State</b>																				
<b>Donor State</b>	<b>89</b>	<b>90</b>	<b>91</b>	<b>92</b>	<b>93</b>	<b>94</b>	<b>95</b>	<b>96</b>	<b>97</b>	<b>98</b>	<b>99</b>	<b>00</b>	<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>	<b>06</b>	<b>07</b>	<b>Total</b>
<b>Queensland</b>																				
Kidneys	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4
Cornea	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Heart Valves	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>8</b>													
<b>New South Wales</b>																				
Kidneys	0	4	3	2	0	0	5	2	4	0	0	0	0	0	2	4	16	8	13	63
Liver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Lungs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Cornea	0	2	0	0	0	0	0	2	0	0	0	0	2	0	0	4	10	2	8	30
Heart Valves	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	5	3	3	13
<b>Total</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>31</b>	<b>13</b>	<b>27</b>	<b>109</b>
<b>Victoria</b>																				
Kidneys	2	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	12	17
Liver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Lungs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6
Pancreas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Cornea	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	10	16
Bone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Heart Valves	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	5
Tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>Total</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>35</b>	<b>48</b>
<b>South Australia</b>																				
Kidneys	2	0	0	0	0	0	0	0	1	4	0	0	0	2	0	0	2	4	2	17
Liver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Lungs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Cornea	2	2	0	0	0	2	0	0	2	0	0	0	0	2	0	0	0	2	0	12
Bone	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	3
Heart Valves	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
<b>Total</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>9</b>	<b>5</b>	<b>38</b>
<b>Northern Territory</b>																				
Kidneys	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	4
<b>Western Australia</b>																				
Kidneys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
<b>Australian Total</b>	<b>9</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>8</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>10</b>	<b>33</b>	<b>25</b>	<b>67</b>	<b>209</b>

**Figure 28**

<b>Donation after Cardiac Death Donors 1989 - 2007</b>																				
<b>Organs Transplanted or Sent to Tissue Bank in Australia</b>																				
<b>Organs</b>	<b>89</b>	<b>90</b>	<b>91</b>	<b>92</b>	<b>93</b>	<b>94</b>	<b>95</b>	<b>96</b>	<b>97</b>	<b>98</b>	<b>99</b>	<b>00</b>	<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>	<b>06</b>	<b>07</b>	<b>Total</b>
Kidneys	4	4	3	2	0	0	7	4	5	4	2	2	1	4	2	6	18	12	27	107
Liver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
Lungs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	10
Pancreas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Cornea	4	4	0	0	2	0	4	2	0	0	0	0	4	2	0	4	10	6	18	60
Bone	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	4
Heart Valves	0	1	0	0	0	0	0	2	1	0	1	0	1	0	0	0	5	3	8	22
Tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>Total</b>	<b>9</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>8</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>10</b>	<b>33</b>	<b>25</b>	<b>67</b>	<b>209</b>

## CARDIOPULMONARY RESUSCITATION

Cardiopulmonary resuscitation is recorded for events leading up to the admission and hospital stay for the patient, prior to organ donation (Figures 29 and 30).

**Figure 29**

Cardiopulmonary Resuscitation 2002 - 2006												
	Australia						New Zealand					
	2002	2003	2004	2005	2006	2007	2002	2003	2004	2005	2006	2007
Yes	48	39	65	47	51	60	10	6	12	6	17	6
No	157	140	153	157	151	137	28	34	28	23	8	32
Unknown	1	0	0	0	0	1	0	0	0	0	0	0
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

**Figure 30**

Australian States Cardiopulmonary Resuscitation 2007 (2006)								
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA
Yes	16 (9)	14 (10)	0 (1)	13 (12)	1 (3)	9 (14)	2 (0)	5 (2)
No	23 (27)	38 (40)	1 (3)	42 (33)	0 (5)	18 (22)	1 (2)	14 (19)
<b>Total</b>	<b>39 (36)</b>	<b>52 (50)</b>	<b>1 (4)</b>	<b>55 (45)</b>	<b>1 (8)</b>	<b>27 (36)</b>	<b>3 (2)</b>	<b>19 (21)</b>

## DONOR WEIGHT

The allocation of heart, lungs and livers are based on the matching of recipient and donor size and weight.

In 2007 there were four donors in Australia and one donor in New Zealand who weighed less than 40 kilograms (Figure 31).

**Figure 31**

Donor Weight 2002 - 2007												
		Kilograms										Total
		0-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100 +	
Australia	2002	5	3	4	4	17	40	51	41	28	13	<b>206</b>
	2003	2	2	2	7	12	27	43	46	23	15	<b>179</b>
	2004	1	1	3	1	21	34	59	41	32	24	<b>217</b>
	2005	6	3	2	5	16	35	50	45	23	19	<b>204</b>
	2006	1	4	4	5	10	43	41	50	26	18	<b>202</b>
	2007	3	0	1	3	14	29	46	47	34	21	<b>198</b>
	New Zealand	2002	0	0	3	1	2	8	7	8	4	5
2003		0	0	0	2	5	4	7	14	6	2	<b>40</b>
2004		1	0	0	1	1	12	8	12	3	2	<b>40</b>
2005		0	0	0	1	0	8	10	4	1	4	<b>28</b>
2006		0	1	0	0	2	5	6	4	4	3	<b>25</b>
2007		0	0	1	0	2	8	12	8	5	2	<b>38</b>

## VIROLOGY SCREENING

**Figure 32**

<b>Cytomegalovirus (CMV) Status of Donors 2002 - 2007</b>												
	<b>Australia</b>						<b>New Zealand</b>					
	2002	2003	2004	2005	2006	2007	2002	2003	2004	2005	2006	2007
Positive	131	111	151	152	137	105	18	26	26	16	15	24
Negative	75	68	66	52	65	93	20	14	14	13	10	14
Not done	0	0	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

**Figure 33**

<b>Epstein-Barr Virus (EBV) Status of Donors 2002 - 2007</b>												
	<b>Australia</b>						<b>New Zealand</b>					
	2002	2003	2004	2005	2006	2007	2002	2003	2004	2005	2006	2007
Positive	94	96	122	118	123	132	5	24	19	19	24	33
Negative	31	21	19	21	123	12	0	9	3	2	1	5
Not done	94	62	77	65	53	54	33	7	18	8	0	0
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

Not all Australian States require organ donors to be tested for EBV

**Figure 34**

<b>Hepatitis C Antibody Status of Donors 2002 - 2007</b>												
	<b>Australia</b>						<b>New Zealand</b>					
	2002	2003	2004	2005	2006	2007	2002	2003	2004	2005	2006	2007
Positive	0	2	3	4	1	4	0	0	0	2	1	1
Negative	206	177	214	200	201	194	38	40	40	27	24	37
Not done	0	0	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

### HEPATITIS C ANTIBODY

There were four positive Hepatitis C donors in Australia and one in New Zealand in 2007.

From the four donors, one had two kidneys and one had a liver transplanted. Another donor was found to have a liver not suitable for transplantation in the operating theatre and one donor had a liver that was medically unsuitable after a biopsy.

One kidney and one liver were transplanted from a New Zealand donor who was also Hepatitis B Core Antibody positive.

**Figure 35**

<b>Hepatitis B Core Antibody Status of Donors 2002 - 2007</b>												
	<b>Australia</b>						<b>New Zealand</b>					
	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Positive	14	6	10	11	11	7	0	0	0	2	1	5
Negative	192	173	207	193	191	191	38	40	40	27	24	33
Not done	0	0	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

### **HEPATITIS B CORE ANTIBODY**

The Registry commenced collection of Hepatitis B core antibody results in 1998.

A positive result was recorded for 4% (7) of Australian donors and 13% (5) of New Zealand donors in 2007.

From the seven Australian donors there were eleven kidneys, five livers, three hearts, two double lungs, two single lungs, one kidney/pancreas and two corneas were transplanted. One was a DCD donor, with lung protocol only. The lungs were retrieved but not transplanted due to consolidation and a size mismatch.

From the five New Zealand donors, five kidneys, five livers, two double lungs, four cornea and three heart valves were transplanted or stored.

### **HEPATITIS B SURFACE ANTIGEN**

Since 1993, all donors in Australia and New Zealand have been negative for Hepatitis B surface antigen, excepting one donor in 2004 who was not tested as their condition deteriorated in theatre and no organs were retrieved.

## MEDICAL CONDITION OF DONORS

Information related to diabetes, hypertension and smoking has been collected since 1993. Cancer data collection commenced on 1st January 2002.

### DIABETES

There were two Type 1 and twelve Type 2 diabetic donors in Australia in 2007. There was one Type 1 and one Type 2 diabetic donors in New Zealand.

The two diabetic Type 1 donors provided two kidneys, one liver, one double lungs, one cornea and one heart valves, while the Type 2 diabetic donors provided 16 kidneys, six livers, two double lungs, twelve cornea and two heart valves and one bone.

The one diabetic Type 1 donor in New Zealand provided a liver, double lungs and heart valves and the Type 2 donor had two kidneys, a liver, two corneas and heart valves transplanted.

### HYPERTENSION

A past history of hypertension was recorded in 23% (45 donors) in Australia and 24% (nine donors) in New Zealand in 2007 (Figures 36 and 37).

These donors provided Australia with 71 kidneys, 24 livers, eight hearts, ten double lungs, two single lungs, two pancreas islets, 37 corneas, four heart valves and four bone for transplantation.

In New Zealand, 13 kidneys, ten livers, four double lungs, one heart, ten cornea and three heart valves were transplanted.

### SMOKING

In 2006, 38% (77) of Australian donors were recorded as current smokers and 22% (44) as former smokers, while in New Zealand, 32% (8 donors) were reported as current and 12% (3) as former.

### CANCER IN DONOR

#### Australia (two donors)

\* one unknown type of breast cancer (1980)

\* one focal insitu adenocarcinoma pancreas (2001)

Four kidneys and two cornea were transplanted from these donors.

#### New Zealand (one donor)

\* melanoma of arm (1983) - Liver transplanted

Figure 36

		2002	2003	2004	2005	2006	2007
<b>Australia</b>	Diabetes Type 1	2 (1%)	1 (<1%)	6 (3%)	1 (<1%)	7 (3%)	2 (1%)
	Diabetes Type 2	5 (2%)	4 (2%)	6 (3%)	13 (6%)	11 (5%)	12 (6%)
	Hypertension	28 (14%)	37 (21%)	50 (23%)	46 (23%)	44 (22%)	45 (23%)
	Unknown	3 (1.5%)	3 (2%)	7 (3%)	3 (1%)	2 (1%)	5 (3%)
	<b>Smoking</b>						
	Current	89 (43%)	82 (46%)	90(41%)	67 (33%)	77 (38%)	77 (39%)
	Former	30 (15%)	29 (16%)	46 (21%)	34 (17%)	44 (22%)	39 (20%)
	Unknown	5 (2%)	1 (<1%)	2 (<1%)	0 (0%)	0 (0%)	1 (1%)
	<b>Cancer *</b>	5 (2%)	1 (<1%)	6 (3%)	7 (3%)	3 (1%)	2 (1%)
	<b>Total Donors</b>	<b>(n=206)</b>	<b>(n=179)</b>	<b>(n=218)</b>	<b>(n=204)</b>	<b>(n=202)</b>	<b>(n=198)</b>
<b>New Zealand</b>	Diabetes Type 1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (4%)	1 (3%)
	Diabetes Type 2	0 (0%)	0 (0%)	1 (2.5%)	2 (7%)	1 (4%)	1 (3%)
	Hypertension	6 (16%)	5 (12.5%)	9 (22.5%)	7 (24%)	5 (20%)	9 (24%)
	<b>Smoking</b>						
	Current	16 (42%)	17 (43%)	13 (32.5%)	9 (31%)	8 (32%)	14 (37%)
	Former	2 (5%)	2 (5%)	3 (7.5%)	5 (17%)	3 (12%)	5 (13%)
	Unknown	1 (3%)	0 (0%)	0 (0%)	1 (3%)	0 (0%)	0 (0%)
	<b>Cancer *</b>	1 (3%)	2 (2%)	0 (0%)	1 (3%)	0 (0%)	1 (3%)
	<b>Total Donors</b>	<b>(n=38)</b>	<b>(n=40)</b>	<b>(n=40)</b>	<b>(n=29)</b>	<b>(n=25)</b>	<b>(n=38)</b>

\* Cancer data collected from 1st January 2002

Figure 37

Medical Condition of Donors by Australian States 2007 (2006)								
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA
Diabetes Type 1	1 (2)	0 (2)	0 (0)	1 (0)	0 (1)	0 (2)	0 (0)	0 (0)
Diabetes Type 2	1 (0)	5 (5)	1 (0)	3 (1)	0 (0)	1 (4)	0 (0)	1 (1)
Hypertension	5 (5)	13 (12)	1 (1)	12 (8)	0 (3)	9 (10)	0 (1)	5 (4)
Smoking Current	16 (17)	16 (18)	0 (0)	23 (16)	0 (3)	12 (12)	2 (1)	8 (10)
Cancer	0 (0)	0 (0)	0 (1)	1 (0)	0 (1)	1 (0)	0 (0)	0 (1)

**Figure 38**

<b>Expanded* Criteria for Kidney Donors 2007 (2006) States, Australia and New Zealand</b>										
<b>Donor Type</b>	<b>QLD</b>	<b>NSW</b>	<b>ACT</b>	<b>VIC</b>	<b>TAS</b>	<b>SA</b>	<b>NT</b>	<b>WA</b>	<b>AUST</b>	<b>NZ</b>
Expanded	4 (6)	17 (16)	1 (2)	12 (13)	0 (1)	11 (16)	1 (1)	5 (7)	51 (62)	9 (4)
Non Expanded	34 (30)	36 (34)	0 (2)	42 (32)	1 (7)	16 (19)	2 (1)	12 (14)	143 (139)	29 (21)
<b>Total</b>	<b>38 (36)</b>	<b>53 (50)</b>	<b>1 (4)</b>	<b>54 (45)</b>	<b>1 (8)</b>	<b>27 (35)</b>	<b>3 (2)</b>	<b>17 (21)</b>	<b>194 (201)</b>	<b>38 (25)</b>

\*An expanded criteria kidney donor as defined in American Journal of Transplantation 2003; 3 (Suppl. 4): 114-125  
i.e. any donor aged  $\geq 60$  years, or any donor aged 50-59, with two of the following three criteria:  
CVA death, or terminal creatinine  $> 133$ , or hypertension

## DONOR INTENTION

Figures 39 and 40 show whether the donor had recorded an intention to donate through a signed driver's licence. In 2007, 34% of both Australian and New Zealand organ donors had a signed driver's licence. Figure 41 shows the number of donors enrolled in the Australian Organ Donation Registry, which commenced in 2000.

**Figure 39**

<b>Driver's Licence Intention Status 2003 - 2007</b>										
<b>Intention</b>	<b>Australia</b>					<b>New Zealand</b>				
	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Yes	42 (23%)	53 (24%)	48 (24%)	57 (28%)	68 (34%)	10 (25%)	10 (25%)	4 (14%)	5 (20%)	13 (34%)
No	40	36	31	23	50	0	0	1	0	0
Age / Not Applicable	16	24	35	38	35	2	6	1	1	2
Unknown	81	105	90	84	45	28	24	23	19	23
<b>Total</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

**Figure 40**

<b>Australian States 2007 (2006) Driver's Licence Intention Status</b>									
<b>Intention</b>	<b>QLD</b>	<b>NSW</b>	<b>ACT</b>	<b>VIC</b>	<b>TAS</b>	<b>SA</b>	<b>NT</b>	<b>WA</b>	
Yes	13 (13)	35 (18)	0 (0)	4 (1)	1 (0)	14 (23)	0 (0)	1 (2)	
No	6 (4)	13 (5)	0 (0)	16 (5)	0 (1)	7 (7)	0 (0)	8 (1)	
Age / Not Applicable	15 (7)	4 (5)	0 (1)	6 (8)	0 (1)	0 (1)	1 (0)	9 (15)	
Unknown	5 (12)	1 (22)	1 (3)	29 (31)	0 (6)	6 (5)	2 (2)	1 (3)	
<b>Total</b>	<b>39 (36)</b>	<b>53 (50)</b>	<b>1 (4)</b>	<b>55 (45)</b>	<b>1 (8)</b>	<b>27 (36)</b>	<b>3 (2)</b>	<b>19 (21)</b>	

**Figure 41**

<b>Donors Enrolled in the Australian Organ Donor Registry 2007 (2006)</b>									
	<b>QLD</b>	<b>NSW</b>	<b>ACT</b>	<b>VIC</b>	<b>TAS</b>	<b>SA</b>	<b>NT</b>	<b>WA</b>	<b>AUST</b>
Yes	14 (4)	25 (6)	0 (0)	10 (8)	0 (3)	8 (12)	1 (0)	6 (8)	<b>64 (41)</b>
Not Registered	18 (27)	24 (9)	1 (0)	44 (34)	1 (5)	6 (12)	1 (0)	12 (12)	<b>107 (99)</b>
Not Accessed	1 (0)	1 (33)	0 (3)	0 (0)	0 (0)	13 (11)	1 (2)	0 (0)	<b>16 (49)</b>
Not Applicable	6 (5)	3 (2)	0 (1)	1 (3)	0 (0)	0 (1)	0 (0)	1 (1)	<b>11 (13)</b>
<b>Total</b>	<b>39 (36)</b>	<b>53 (50)</b>	<b>1 (4)</b>	<b>55 (45)</b>	<b>1 (8)</b>	<b>27 (36)</b>	<b>3 (2)</b>	<b>19 (21)</b>	<b>198 (202)</b>

## AUTHORITY SOUGHT FOR ORGAN DONATION

The predominant group requesting authority for organ donation in 2007 were the Intensive Care Clinicians and Registrars, (60%) in Australia and (92%) in New Zealand shown in Figure 42.

In Australia authority for organ donation was sought by donor coordinators only 2% of the time compared to 8% in 2006 and 12% in 2005 (Figure 42). See Figure 41 for individual State and Territory statistics.

Authority for organ donation was not sought by donor coordinators in New Zealand.

In 2007, 37% of families volunteered authority for organ donation in Australia, compared to 22% in 2006 (Figure 42).

Only five percent volunteered authority in New Zealand in 2007 compared to 24% in 2006 and 14% the previous year.

**Figure 42**

Authority to Donate 2003 - 2007										
	Australia					New Zealand				
	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
ICU Clinician	104	121	101	117	107	26	29	23	16	33
ICU Registrar	2	7	7	14	11	0	2	1	2	2
Emergency Consultant/Registrar	0	2	1	4	1	0	0	0	0	0
Other Physicians/Anaesthetist	0	0	2	4	2	2	0	1	1	1
Donor Coordinator	48	45	25	17	4	0	0	0	0	0
Volunteered by Family	22	43	66	45	73	11	8	4	6	2
Nursing Staff	2	0	2	1	0	1	1	0	0	0
Social Worker	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

**Figure 43**

Authority to Donate 2007 (2006)								
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA
ICU Clinician	21 (18)	32 (36)	1 (2)	17 (18)	1 (4)	23 (27)	1 (1)	11 (11)
ICU Registrar	0 (1)	2 (0)	0 (1)	3 (4)	0 (0)	2 (4)	0 (0)	4 (4)
Donor Coordinator	4 (9)	0 (5)	0 (0)	0 (0)	0 (0)	0 (3)	0 (0)	0 (0)
Volunteered by Family	14 (8)	19 (9)	0 (1)	32 (16)	0 (3)	2 (2)	2 (1)	4 (5)
Nursing Staff	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)
Emergency/Other Physician	0 (0)	0 (0)	0 (0)	3 (7)	0 (1)	0 (0)	0 (0)	0 (0)
<b>Total</b>	<b>39 (36)</b>	<b>53 (50)</b>	<b>1 (4)</b>	<b>55 (45)</b>	<b>1 (8)</b>	<b>27 (36)</b>	<b>3 (2)</b>	<b>19 (21)</b>

## DIRECT CONTACT WITH DONOR COORDINATOR

There were three families (1%) in Australia with which the Donor Coordinator had no contact, compared to 14 families (37%) in New Zealand in 2007.

**Figure 44**

Direct Contact with Donor Coordinator 2007										
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
Face to Face	38 (97%)	50 (94%)	1 (100%)	51 (93%)	1 (100%)	25 (93%)	3 (100%)	19 (100%)	<b>188 (95%)</b>	<b>17 (45%)</b>
Telephone	1 (3%)	0 (0%)	0 (0%)	4 (7%)	0 (0%)	2 (7%)	0 (0%)	0 (0%)	<b>7 (4%)</b>	<b>7 (18%)</b>
None	0 (0%)	3 (6%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	<b>3 (1%)</b>	<b>14 (37%)</b>
<b>Total</b>	<b>39</b>	<b>53</b>	<b>1</b>	<b>55</b>	<b>1</b>	<b>27</b>	<b>3</b>	<b>19</b>	<b>198</b>	<b>38</b>

## CORONER'S CASES

In Australia, 48% of donors in 2007 were subject to Coronerial inquiry, compared to 40% in 2006. In New Zealand it was 32% for 2007, compared to 60% in 2006 and 31% in 2005.

**Figure 45**

Coroner's Cases 2002 - 2007												
	Australia						New Zealand					
	2002	2003	2004	2005	2006	2007	2002	2003	2004	2005	2006	2007
Yes	93	88	108	97	80	96	18	22	17	9	15	12
No	113	91	110	107	122	102	20	18	23	20	10	26
<b>Total</b>	<b>206</b>	<b>179</b>	<b>218</b>	<b>204</b>	<b>202</b>	<b>198</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>29</b>	<b>25</b>	<b>38</b>

**Figure 46**

Australian States Coroner's Cases 2007 (2006)								
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA
Yes	19 (14)	23 (20)	1 (1)	30 (19)	0 (1)	12 (18)	1 (0)	10 (7)
No	20 (22)	30 (20)	0 (3)	25 (26)	1 (7)	15 (18)	2 (2)	9 (14)
<b>Total</b>	<b>39 (36)</b>	<b>53 (50)</b>	<b>1 (4)</b>	<b>55 (45)</b>	<b>1 (8)</b>	<b>27 (36)</b>	<b>3 (2)</b>	<b>19 (21)</b>

## SUMMARY - ORGANS REQUESTED, CONSENT GIVEN, RETRIEVED AND TRANSPLANTED

The information relating to the request for organ donation refers only to those patients who become organ donors. If consent was sought and refused, the Registry has no record of these potential donors.

The difference between a request and a consent is a known objection by the donor or family refusal for the specific organ.

Reasons for not requesting organs, not retrieving and not transplanting are documented for all of the specific organs.

For further details see Appendix I for Australia and Appendix II for New Zealand.

Figure 47 shows the outcome of organs requested in 2007 (2006).

**Figure 47**

Outcome Following Request for Organ Donation 2007 (2006)							
		Kidneys	Liver	Heart	Lungs	Pancreas	Stomach/Intestines
<b>Australia</b>	Requested	384 (402)	188 (193)	161 (167)	316 (332)	167 (174)	12 (0)
	Consent Given	384 (402)	186 (191)	148 (162)	294 (326)	158 (170)	11 (0)
	Retrieved	358 (385)	140 (163)	75 (83)	154 (181)	96 (92)	0 (0)
	Recipients Transplanted	342 (370)	147 (161)	62 (76)	150 (181)	+33 (+41)	0 (0)
<b>New Zealand</b>	Requested	74 (50)	38 (25)	33 (22)	64 (46)	26 (22)	0 (0)
	Consent Given	74 (50)	38 (25)	33 (19)	64 (44)	26 (22)	0 (0)
	Retrieved	68 (42)	32 (24)	12 (9)	26 (26)	1 (6)	0 (0)
	Recipients Transplanted	65 (41)	34 (24)	12 (9)	26 (24)	1 (6)	0 (0)
<b>Kidneys and lungs are counted as separate organs</b> + Includes (5) 2007 and (7) 2006, pancreas islet transplants							