

## **CHAPTER 7**

### **TRANSPLANT WAITING LIST**

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The methods ANZDATA uses to collect transplant waiting list data changed in 2006. Rather than rely on units contributing individual data, we now collaborate with the National Organ Matching System (an Australian Government funded project) which supplies the Australian waiting list data and Organ Donation New Zealand which supplies the New Zealand waiting list data. This is cross-checked against ANZDATA records. The data in this Report includes people on the waiting list for a donor kidney transplant at 31st December 2006.

The National Organ Matching System maintains a separate waiting list for each State transplant region (Qld, NSW/ACT, Vic/Tas, SA/NT and WA) which determine their own acceptance criteria. Deceased donor kidneys are then allocated using the National Organ Matching System at two levels - there is a national scheme for very well matched kidneys and sensitised recipients: each region also has their own State-based allocation scheme.

**AUSTRALIA**

The number of patients receiving dialysis who were on the transplant waiting list at 31<sup>st</sup> December 2006 was 1,344, 15% of the 9,182 patients dialysing, (compared to 16% at 31<sup>st</sup> December 2005). Among the States, the proportion of patients on dialysis awaiting transplantation ranged from 25% in the ACT to 2% in the Northern Territory (Figure 7.1).

Of those on the waiting list; 1,106 (82%) were waiting for their first transplant and 238 had received a previous transplant (Figure 7.1).

The highest proportion awaiting transplantation was among satellite haemodialysis (37%), followed by home haemodialysis (24%), automated peritoneal dialysis (15%), hospital haemodialysis (12%) and continuous ambulatory peritoneal dialysis (9%) (Figure 7.4).

In the age group < 65 years, 1,238 (25%) of 4,855 patients were on the waiting list. The State ratios ranged from the ACT (39%), New South Wales (38%), Queensland (18%) and the Northern Territory (2%) (Figure 7.3). These proportions need to be interpreted in the light of different transplant rates between States, and different acceptance and allocation criteria.

Of the age group < 55 years, 874 (31%) of 2,836 patients were on the waiting list.

Of the age group >=65 years, 106 (2%) of 4,327 patients were on the waiting list.

The proportion in each State ranged from the ACT (48%), New South Wales (45%), Victoria (35%), Western Australia (25%), Queensland (19%), South Australia and Tasmania (18%) and the Northern Territory (2%).

Of the 1,238 patients < 65 years on the waiting list in Australia at 31<sup>st</sup> December 2006, 51 (4%) were Aboriginal/Torres Strait Islander patients; residing in the Northern Territory (40%), Western Australia (21%), Queensland, South Australia and Tasmania all (7%), New South Wales and the ACT (2%) and Victoria none.

**NEW ZEALAND**

There were 1,971 patients dialysing at 31<sup>st</sup> December 2006, with 327 (17%) on the transplant waiting list, (compared to 13% in 2005). Eighty one percent (265) of patients were waiting for their first transplant (13% of all patients on dialysis).

Of patients < 55 years old, 193 (25%) of 772 patients and < 65 years old, 282 (22%) of 1,294 patients and >= 65 years old, 45 (7%) of 677 patients were on the transplant waiting list.

There were 61 (22%) Maori patients, 40 (14%) Pacific People and 18 (6%) Asians < 65 years old on the waiting list (Figure 7.3).

**Figure 7.1**

<b>Patients on the Waiting List 31-Dec-2006 Related to Previous Transplantation (Patients Dialysing)</b>										
<b>Transplant Category</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>
No Previous Transplant	87 (5%)	566 (19%)	40 (20%)	289 (12%)	10 (6%)	26 (4%)	3 (1%)	85 (10%)	<b>1106</b> <b>(12%)</b>	<b>265</b> <b>(13%)</b>
Previous Transplant	35 (2%)	83 (3%)	11 (5%)	62 (3%)	4 (3%)	19 (3%)	2 (1%)	22 (3%)	<b>238</b> <b>(3%)</b>	<b>62</b> <b>(3%)</b>
<b>Total Waiting</b>	<b>122</b> <b>(7%)</b>	<b>649</b> <b>(22%)</b>	<b>51</b> <b>(25%)</b>	<b>351</b> <b>(15%)</b>	<b>14</b> <b>(9%)</b>	<b>45</b> <b>(8%)</b>	<b>5</b> <b>(2%)</b>	<b>107</b> <b>(12%)</b>	<b>1344</b> <b>(15%)</b>	<b>327</b> <b>(17%)</b>
(Patients Dialysing)	1690	3010	205	2334	158	599	326	860	<b>9182</b>	<b>1971</b>

**Figure 7.2**

<b>Patients on the Waiting List 31-Dec-2006 By Age Group (Patients Dialysing)</b>										
Age Groups	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
00-04 years	-	1 (2)	-	- (4)	-	-	-	- (2)	1 (8)	- (2)
05-14 years	- (4)	1 (5)	-	2 (7)	-	- (3)	-	1 (2)	4 (21)	3 (8)
15-24 years	4 (25)	22 (51)	1 (3)	8 (19)	- (1)	- (2)	- (2)	6 (15)	41 (118)	11 (53)
25-34 years	12 (70)	64 (127)	8 (12)	45 (93)	2 (11)	3 (20)	1 (15)	9 (36)	144 (384)	33 (121)
35-44 years	31 (157)	130 (257)	10 (20)	74 (214)	5 (15)	10 (53)	1 (63)	25 (92)	286 (871)	63 (216)
45-54 years	53 (269)	177 (432)	10 (25)	102 (323)	3 (28)	17 (92)	2 (113)	34 (152)	398 (1434)	83 (372)
55-64 years	16 (363)	188 (661)	13 (49)	101 (508)	3 (39)	13 (127)	1 (84)	29 (188)	364 (2019)	89 (522)
65-74 years	6 (386)	65 (790)	9 (53)	19 (616)	1 (42)	2 (160)	- (42)	3 (182)	105 (2271)	43 (460)
75-84 years	- (345)	1 (623)	- (42)	- (505)	- (17)	- (131)	- (7)	- (168)	1 (1838)	2 (200)
>=85 years	- (71)	- (62)	- (1)	- (45)	- (5)	- (11)	-	- (23)	- (218)	- (17)
<b>Total</b>	<b>122 (1690)</b>	<b>649 (3010)</b>	<b>51 (205)</b>	<b>351 (2334)</b>	<b>14 (158)</b>	<b>45 (599)</b>	<b>5 (326)</b>	<b>107 (860)</b>	<b>1344 (9182)</b>	<b>327 (1971)</b>

**Figure 7.3**

<b>Patients on Waiting List Related to Race and Age &lt;65 years 31-Dec-2006</b>										
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
Caucasoid	93	420	35	258	12	36	2	64	<b>920</b>	<b>162</b>
Aboriginal/TSI	8	13	1	0	1	3	2	23	<b>51</b>	<b>0</b>
Maori	0	8	0	3	0	0	0	1	<b>12</b>	<b>61</b>
Pacific People	1	15	0	6	0	0	0	0	<b>22</b>	<b>40</b>
Asian	13	115	5	57	0	3	1	11	<b>205</b>	<b>18</b>
Other	1	12	1	8	0	1	0	5	<b>28</b>	<b>1</b>
<b>Total</b>	<b>116</b>	<b>583</b>	<b>42</b>	<b>332</b>	<b>13</b>	<b>43</b>	<b>5</b>	<b>104</b>	<b>1238</b>	<b>282</b>

**Figure 7.4**

<b>Patients on the Waiting List Related to Treatment 31-Dec-2006</b>										
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
APD	10	111	3	55	1	5	1	17	<b>203</b>	<b>51</b>
Hospital HD	37	86	0	21	10	3	0	10	<b>167</b>	<b>46</b>
Home HD	36	222	10	71	2	2	1	6	<b>350</b>	<b>106</b>
Satellite HD	20	175	29	173	1	33	3	65	<b>499</b>	<b>58</b>
CAPD	19	55	9	31	0	2	0	9	<b>125</b>	<b>66</b>
<b>Total</b>	<b>122</b>	<b>649</b>	<b>51</b>	<b>351</b>	<b>14</b>	<b>45</b>	<b>5</b>	<b>107</b>	<b>1344</b>	<b>327</b>