

## 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 2009.

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 2009 was 1,105, 11% of the 10,341 patients dialysing, (compared to 13% at 31<sup>st</sup> December 2008). Among the States, the proportion of patients on dialysis awaiting transplantation ranged from 20% in the ACT to 1% in the Northern Territory (Figure 7.1).

Of those on the waiting list; 888 (80%) were waiting for their first transplant and 217 (20%) had received a previous transplant (Figure 7.1).

The highest proportion awaiting transplantation was among satellite haemodialysis (36%), followed by home haemodialysis (26%), automated peritoneal dialysis (21%), hospital haemodialysis (11%) and continuous ambulatory peritoneal dialysis (6%) (Figure 7.4).

In the age group < 65 years, 977 (18%) of 5,288 patients were on the waiting list. The State ratios ranged from the ACT (30%), New South Wales (27%), Victoria (23%), Tasmania (13%), Western Australia (12%), Queensland (11%), South Australia (10%) and the Northern Territory (<1%) (Figure 7.3). These proportions need to be interpreted in the light of different transplant rates between States, and different acceptance and allocation criteria.

In the age groups ≥ 65 years, 128 (3%) of 5,053 patients and in the group < 55 years, 666 (22%) of 3,055 patients were on the waiting list.

The proportion of the age group <55 years in each State ranged from the ACT (38%), New South Wales (33%), Victoria (27%), Western Australia (16%), Tasmania (15%), Queensland (13%), South Australia (10%) and the Northern Territory (<1%).

Of the 977 patients < 65 years on the waiting list in Australia at 31<sup>st</sup> December 2009, 39 patients (4%) were Aboriginal/Torres Strait Islander patients; residing in Western Australia (36%), New South Wales (33%), Queensland (15%), South Australia (8%), the Northern Territory, the ACT and Victoria (3% each) and Tasmania none.

## NEW ZEALAND

There were 2,260 patients dialysing at 31<sup>st</sup> December 2009, with 329 (15%) on the transplant waiting list, compared to 14% in 2008). Eighty two percent (271) of patients were waiting for their first transplant (12% of all patients on dialysis).

Of patients < 55 years old, 192 (22%) of 886 patients were waiting for a transplant. In the age groups < 65 years old, 293 (20%) of 1,449 patients and for the ≥ 65 years old group, 36 (5%) of 761 patients were on the transplant waiting list.

There were 62 (21%) Maori patients, 46 (16%) of Pacific People and 37 (13%) Asians < 65 years old on the waiting list (Figure 7.3).

Figure 7.1

Patients on the Waiting List 31-Dec-2009 Related to Previous Transplantation (Patients Dialysing)										
Transplant Category	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
No Previous Transplant	99 (5%)	421 (12%)	38 (16%)	239 (10%)	12 (6%)	17 (3%)	2 (<1%)	60 (6%)	<b>888</b> <b>(9%)</b>	<b>271</b> <b>(12%)</b>
Previous Transplant	25 (1%)	87 (3%)	10 (4%)	61 (2%)	3 (2%)	18 (3%)	1 (<1%)	12 (1%)	<b>217</b> <b>(2%)</b>	<b>12</b> <b>(1%)</b>
<b>Total Waiting</b>	<b>124</b> <b>(6%)</b>	<b>508</b> <b>(15%)</b>	<b>48</b> <b>(20%)</b>	<b>300</b> <b>(12%)</b>	<b>15</b> <b>(8%)</b>	<b>35</b> <b>(5%)</b>	<b>3</b> <b>(1%)</b>	<b>72</b> <b>(7%)</b>	<b>1105</b> <b>(11%)</b>	<b>329</b> <b>(15%)</b>
(Patients Dialysing)	1944	3374	239	2513	194	670	418	989	<b>10,341</b>	<b>2,260</b>

Figure 7.2

Patients on the Waiting List 31-Dec-2009 By Age Group (Patients Dialysing)										
Age Groups	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
00-04 years	0 (0)	0 (4)	0 (0)	0 (3)	0 (0)	0 (1)	0 (0)	0 (0)	0 (8)	1 (3)
05-14 years	0 (6)	4 (9)	0 (0)	2 (9)	0 (0)	0 (1)	0 (0)	0 (4)	6 (29)	4 (10)
15-24 years	5 (28)	16 (47)	0 (2)	6 (33)	0 (6)	0 (8)	0 (5)	3 (15)	30 (144)	11 (68)
25-34 years	16 (87)	42 (123)	3 (10)	15 (70)	1 (3)	4 (19)	1 (20)	10 (50)	92 (382)	37 (123)
35-44 years	17 (154)	85 (245)	12 (23)	63 (193)	2 (17)	7 (51)	0 (81)	17 (90)	203 (854)	44 (220)
45-54 years	42 (320)	151 (485)	8 (26)	97 (378)	8 (45)	6 (82)	1 (136)	22 (166)	335 (1638)	95 (462)
55-64 years	33 (418)	141 (716)	12 (54)	92 (524)	4 (41)	12 (127)	1 (133)	16 (220)	311 (2233)	101 (613)
65-74 years	10 (447)	67 (876)	11 (65)	25 (670)	0 (43)	6 (170)	0 (40)	4 (227)	123 (2538)	34 (524)
75-84 years	1 (388)	2 (755)	2 (50)	0 (557)	0 (33)	0 (184)	0 (3)	0 (185)	5 (2155)	2 (216)
>=85 years	0 (96)	0 (114)	0 (9)	0 (76)	0 (6)	0 (27)	0 (0)	0 (32)	0 (360)	0 (21)
<b>Total</b>	<b>124 (1944)</b>	<b>508 (3374)</b>	<b>48 (239)</b>	<b>300 (2513)</b>	<b>15 (194)</b>	<b>35 (670)</b>	<b>3 (418)</b>	<b>72 (989)</b>	<b>1105 (10,341)</b>	<b>329 (2,260)</b>

Figure 7.3

Patients on Waiting List Related to Race and Age <65 Years 31-Dec-2009 (Patients Dialysing)										
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
Caucasoid	89	313	30	206	14	24	1	39	716	147
Aboriginal/TSI	6	13	1	1	0	3	1	14	39	0
Maori	1	5	0	2	0	1	0	0	9	62
Pacific People	2	15	0	5	0	0	0	1	23	46
Asian	13	78	3	52	1	1	1	12	161	37
Other	2	15	1	9	0	0	0	2	29	1
<b>Total</b>	<b>113 (1013)</b>	<b>439 (1629)</b>	<b>35 (115)</b>	<b>275 (1210)</b>	<b>15 (112)</b>	<b>29 (289)</b>	<b>3 (375)</b>	<b>68 (545)</b>	<b>977 (5,288)</b>	<b>293 (1,499)</b>

Figure 7.4

All Patients on the Waiting List Related to Treatment 31-Dec-2009										
	QLD	NSW	ACT	VIC	TAS	SA	NT	WA	AUST	NZ
APD	23	126	2	51	2	6	1	17	228	74
Hospital HD	39	55	1	10	9	5	0	2	121	35
Home HD	35	171	11	62	2	2	1	6	290	99
Satellite HD	16	126	32	160	2	21	1	39	397	58
CAPD	11	30	2	17	0	1	0	8	69	63
<b>Total</b>	<b>124</b>	<b>508</b>	<b>48</b>	<b>300</b>	<b>15</b>	<b>35</b>	<b>3</b>	<b>72</b>	<b>1105</b>	<b>329</b>

