

# Analysis of Kidney Allocation During 2011

## National Organ Matching System

This is a brief analysis of the current status of the kidney transplant waiting list and kidney transplants matched by the National Organ Matching System (NOMS) from

**1<sup>st</sup> January to 31<sup>st</sup> December 2011**

The analysis is divided into 4 sections:

### **Section 1 – The Current Status of the Australian Kidney Transplant Waiting List**

This section examines the patients still waiting for a kidney transplant who were listed on the NOMS.

### **Section 2 – Kidney Transplants During 2011**

This section examines those patients who were transplanted during 2011.

### **Section 3 – Interstate Exchange of Deceased Donor Kidneys in 2011**

This section examines the deceased donor kidney exchanges between centres and the patients who were transplanted with exchanged kidneys.

### **Section 4 – Miscellaneous**

This section presents additional information and requested reports.

Unless indicated otherwise, all data shown was obtained from the consolidated National Organ Matching System database on 3<sup>rd</sup> April 2012.

In the report the term 'waiting time on dialysis' is defined as the time since the 'dialysis for matching' date. The dialysis for matching date is either

- the time since the patient first started on dialysis or
- the time since the patient recommenced dialysis if previously transplanted
- a putative date if the patient was entered into the 'Ideal Trial'

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**Date: 7<sup>th</sup> May 2012**

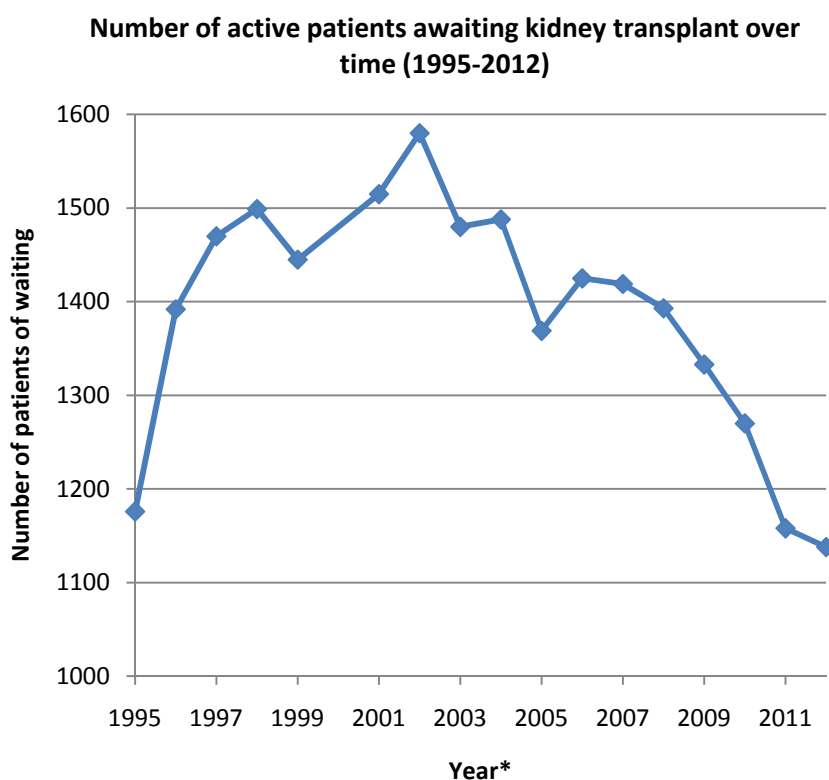
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# 1. THE CURRENT STATUS OF THE AUSTRALIAN KIDNEY TRANSPLANT WAITING LIST

## 1.1 Number of active patients awaiting kidney transplant over time (1995 – 2012)

Date	Number of patients waiting
4/1/1995	1176
2/1/1996	1392
4/2/1997	1470
9/1/1998	1499
7/1/1999	1445
7/3/2001	1515
8/1/2002	1580
6/1/2003	1480
6/1/2003	1488
15/4/2005	1369
3/4/2006	1425
16/3/2007	1419
4/4/2008	1393
31/3/2009	1333
16/4/2010	1270
8/4/2011	1158
3/4/2012	1138

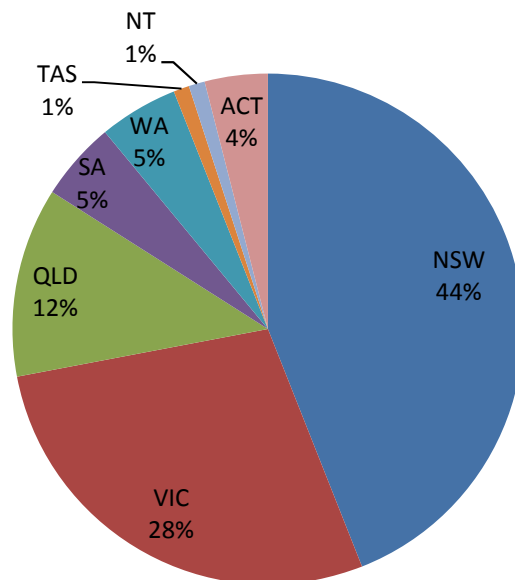


\*data not available for 2000

### 1.2 Number of active patients awaiting kidney transplant by state or territory

State/Territory	Number of active patients	Percentage of all patients
NSW	498	44%
VIC	320	28%
QLD	131	12%
SA	61	5%
WA	61	5%
TAS	12	1%
NT	13	1%
ACT	42	4%
<b>ALL</b>	<b>1138</b>	<b>100%</b>

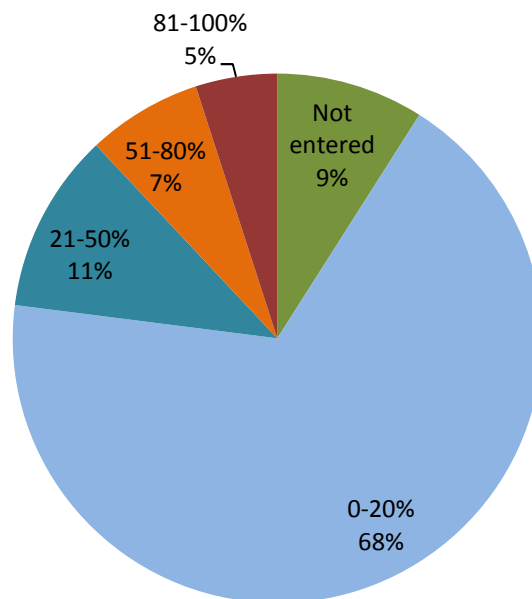
Number of active patients awaiting kidney transplant by state or territory



### 1.3 Percentage authorised class 1 panel reactive antibody (PRA) levels of all active patients awaiting kidney transplant

Patient authorised PRA	Number of patients	Percentage of all patients
Not entered	100	9%
0 – 20%	770	68%
21- 50%	125	11%
51- 80%	81	7%
81-100%	62	5%
<b>ALL</b>	<b>1138</b>	<b>100%</b>

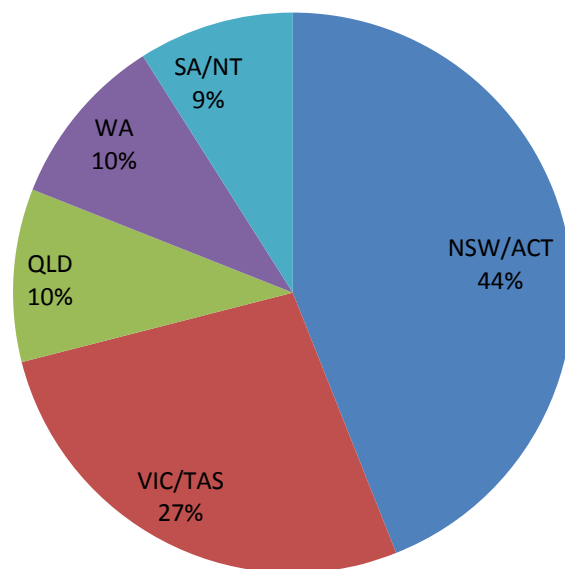
Percentage authorised class 1 PRA levels of all active patients awaiting kidney transplant



**1.4 Number of highly sensitised active patients with percentage authorised class 1 panel reactive antibodies (PRA) > 50% awaiting kidney transplant by centre**

Centre	Number of highly sensitised patients with authorised PRA > 50%	% of all highly sensitised patients with authorised PRA > 50%	Centre percentage of all patients waiting (from Table 1.2)
NSW/ACT	63	44%	48%
VIC/TAS	39	27%	29%
QLD	14	10%	12%
WA	14	10%	5%
SA/NT	13	9%	6%
<b>ALL</b>	<b>143</b>	<b>100%</b>	<b>100%</b>

Percentage of highly sensitised active patients with authorised class 1 PRA >50% awaiting kidney transplant by centre



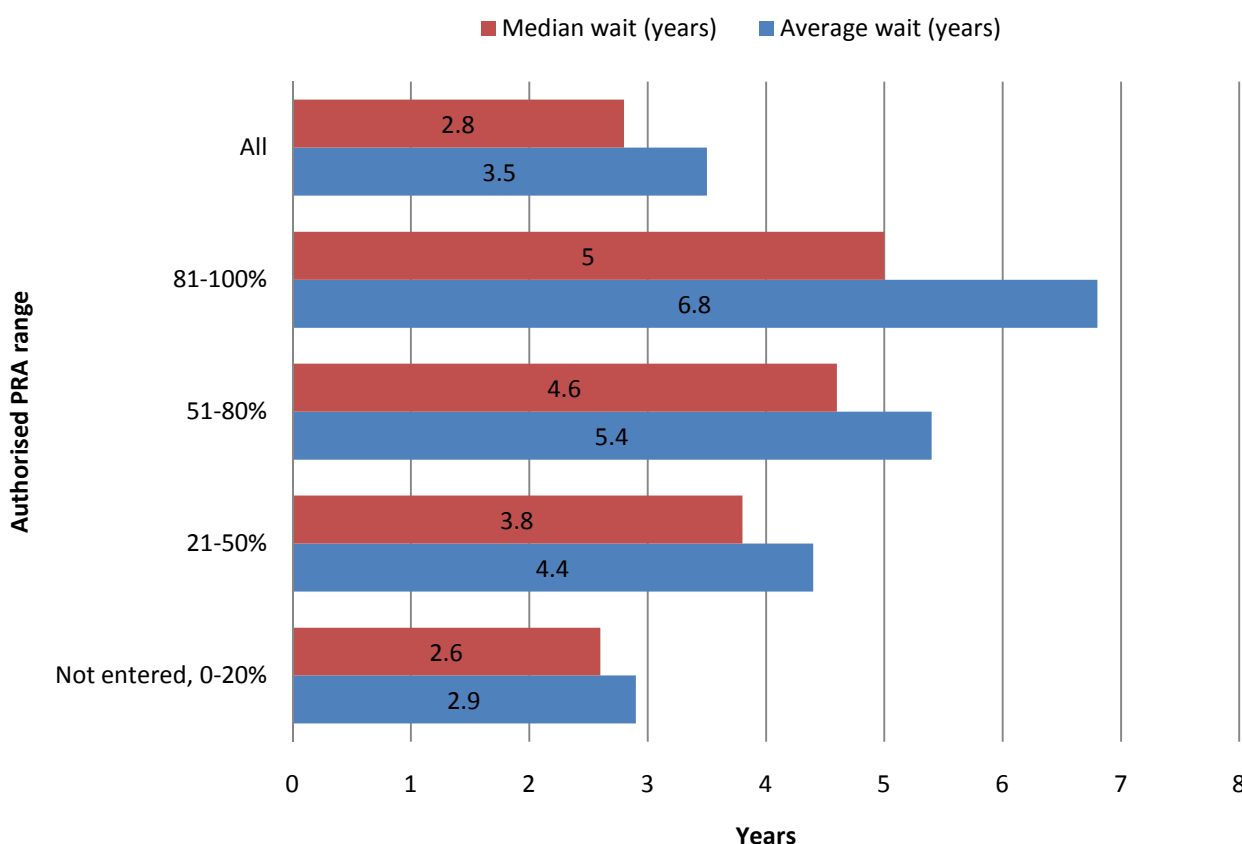
**1.5 Time waiting on dialysis (in years) of all active patients awaiting kidney transplant and patient percentage authorised class 1 panel reactive antibody (PRA) range**

Patient authorised PRA	Average wait (years)	Median wait (years)	Maximum wait (years)
Not entered, 0-20%#	2.9	2.6	15.0
21-50%	4.4	3.8	17.6
51-80%	5.4	4.6	16.9
81-100%	6.8	5.0	20.2*
<b>ALL</b>	<b>3.5</b>	<b>2.8</b>	<b>20.2*</b>

# In this table Patients with no class 1 authorised PRA entered were assumed to be 0%

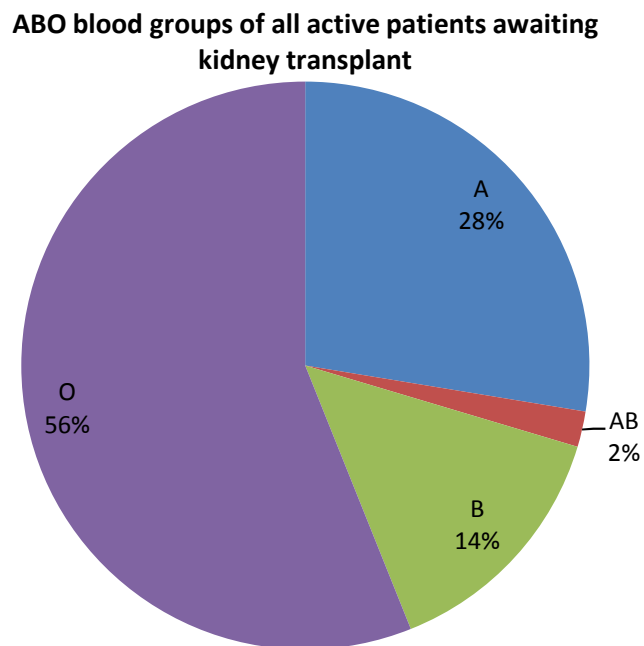
\* Longest waiting patient is from WA with 2 previous transplants and 99% authorised class I antibody frequency.

**Time waiting on dialysis (in years) of all active patients awaiting kidney transplant and patient percentage authorised class 1 PRA range**



**1.6 ABO blood groups of all active patients awaiting kidney transplant**

Patient ABO blood group	Number of patients	Percentage of all patients
A	314	28%
AB	23	2%
B	163	14%
O	638	56%
<b>ALL</b>	<b>1138</b>	<b>100%</b>

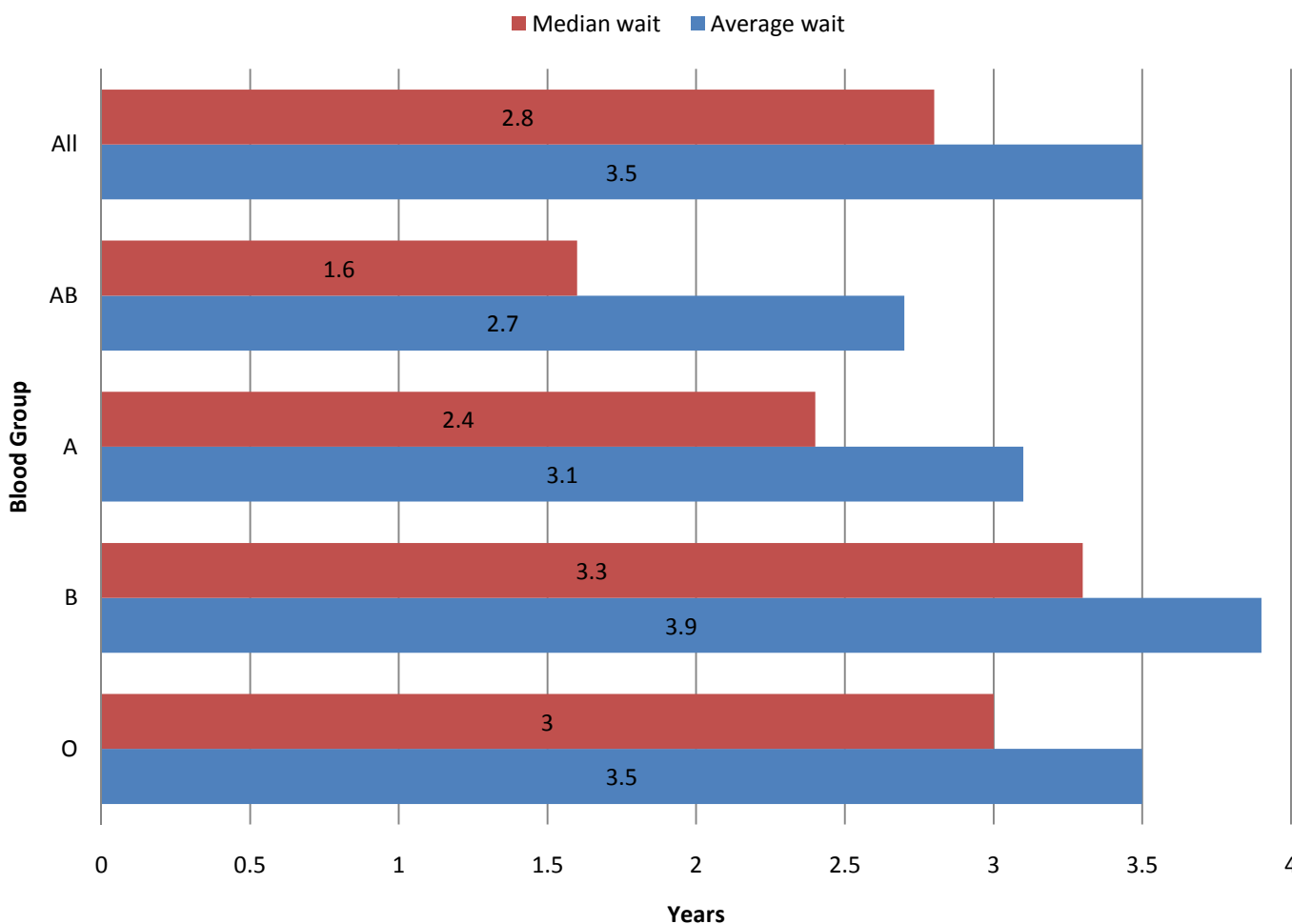




**1.7 Time waiting on dialysis (in years) of all active patients awaiting kidney transplant and patient ABO blood group**

Patient ABO blood group	Average wait	Median Wait	Maximum wait
A	3.1	2.4	19.3
AB	2.7	1.6	11.5
B	3.9	3.3	20.2
O	3.5	3.0	17.6
<b>ALL</b>	<b>3.5</b>	<b>2.8</b>	<b>20.2</b>

**Time waiting on dialysis (in years) of all active patients awaiting kidney transplant and patient ABO blood group**

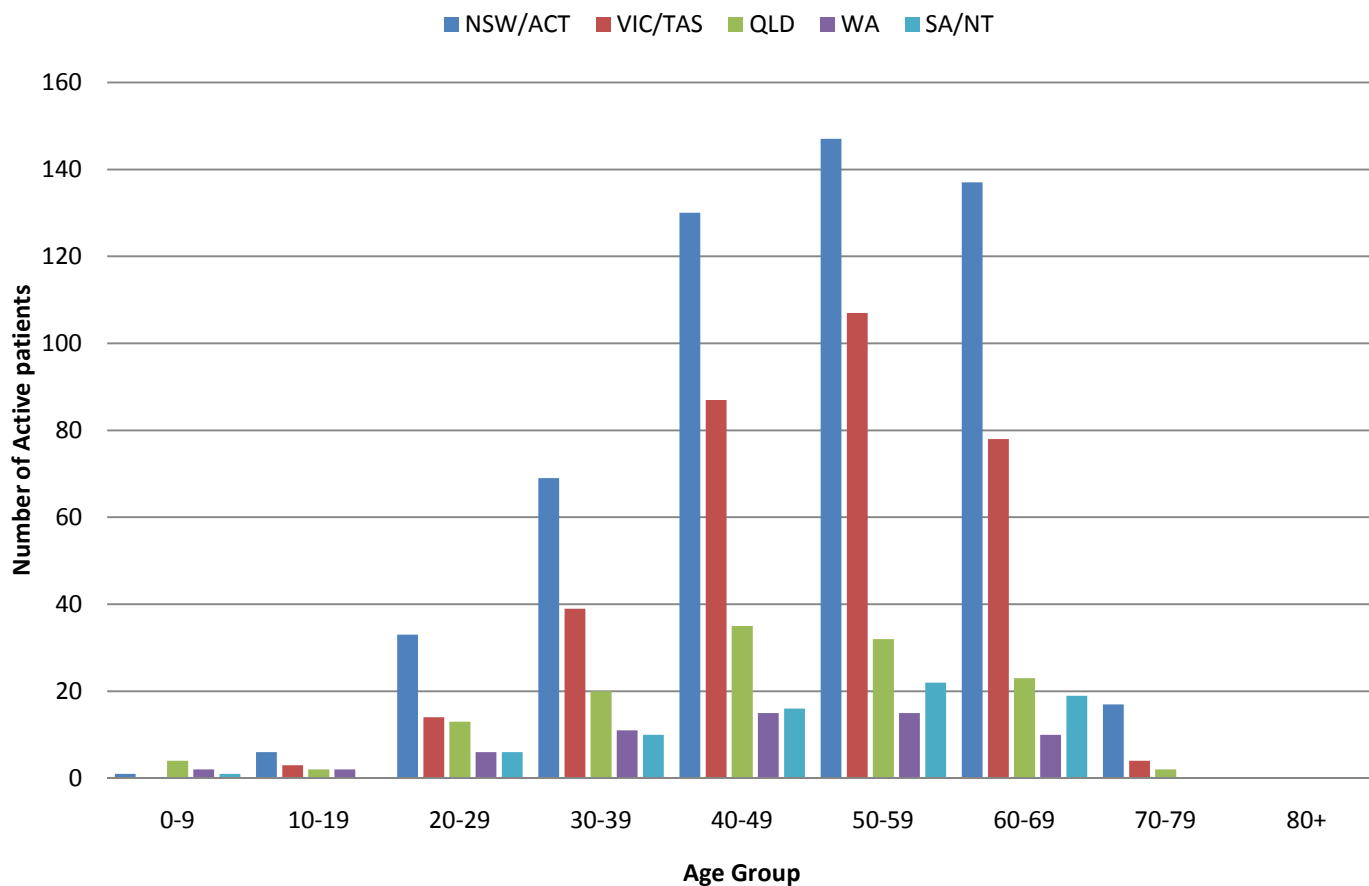


### 1.8 Age of all active patients awaiting kidney transplant

State/ Territory	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	ALL
NSW/ACT	1	6	33	69	130	147	137	17*	0	540
VIC/TAS	0	3	14	39	87	107	78	4	0	332
QLD	4	2	13	20	35	32	23	2	0	131
SA/NT	1	0	6	10	16	22	19	0	0	74
WA	2	2	6	11	15	15	10	0	0	61
ALL	8	13	72	149	283	323	267	23	0	1138
% of total	1%	1%	6%	13%	25%	28%	24%	2%	0%	100%

\*The oldest patient on the waiting list is a 76 year old patient from the Australian Capital Territory

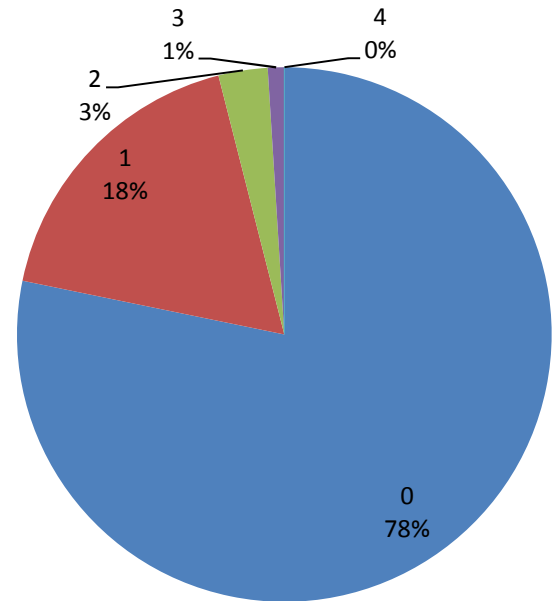
Age of all active patients awaiting kidney transplant



### 1.9 Number of previous transplants of all active patients awaiting kidney transplant

Number of previous transplants	Number of patients	% of all patients waiting
0*	894	78%
1	204	18%
2	33	3%
3	6	1%
4	1	0%
<b>ALL</b>	<b>1138</b>	<b>100%</b>

Number of previous transplants of all active patients awaiting kidney transplant



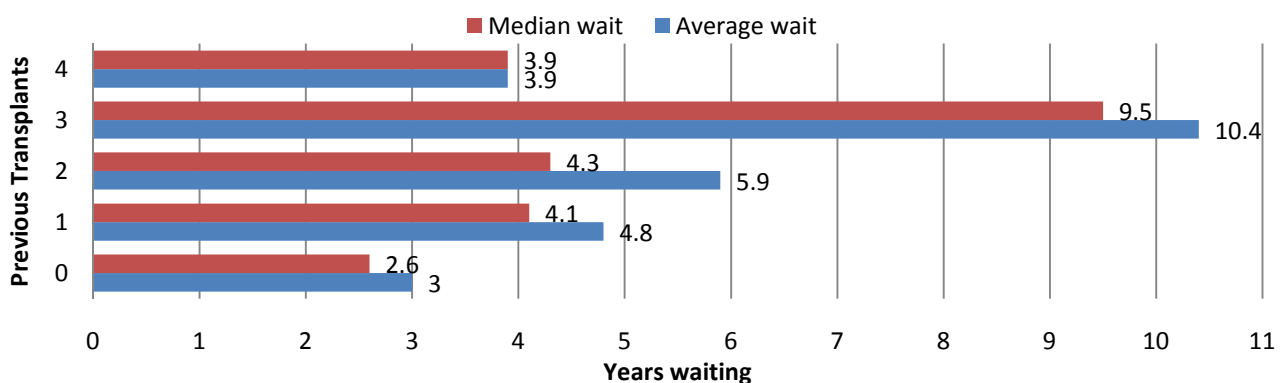
\* Patients with an unknown transplant count are assumed to have no previous transplants.

### 1.10 Time waiting on dialysis (in years) for all active patients awaiting kidney transplant and number of previous transplants

Previous transplants	Number of patients	Average Wait	Median Wait	Maximum Wait
0*	894	3.0	2.6	15.7
1	204	4.8	4.1	18.4
2	33	5.9	4.3	20.2
3	6	10.4	9.5	19.3
4	1	3.9	3.9	3.9
<b>ALL</b>	<b>1138</b>	<b>3.5</b>	<b>2.8</b>	<b>20.2</b>

\* Patients with an unknown transplant count are assumed to have no previous transplants.

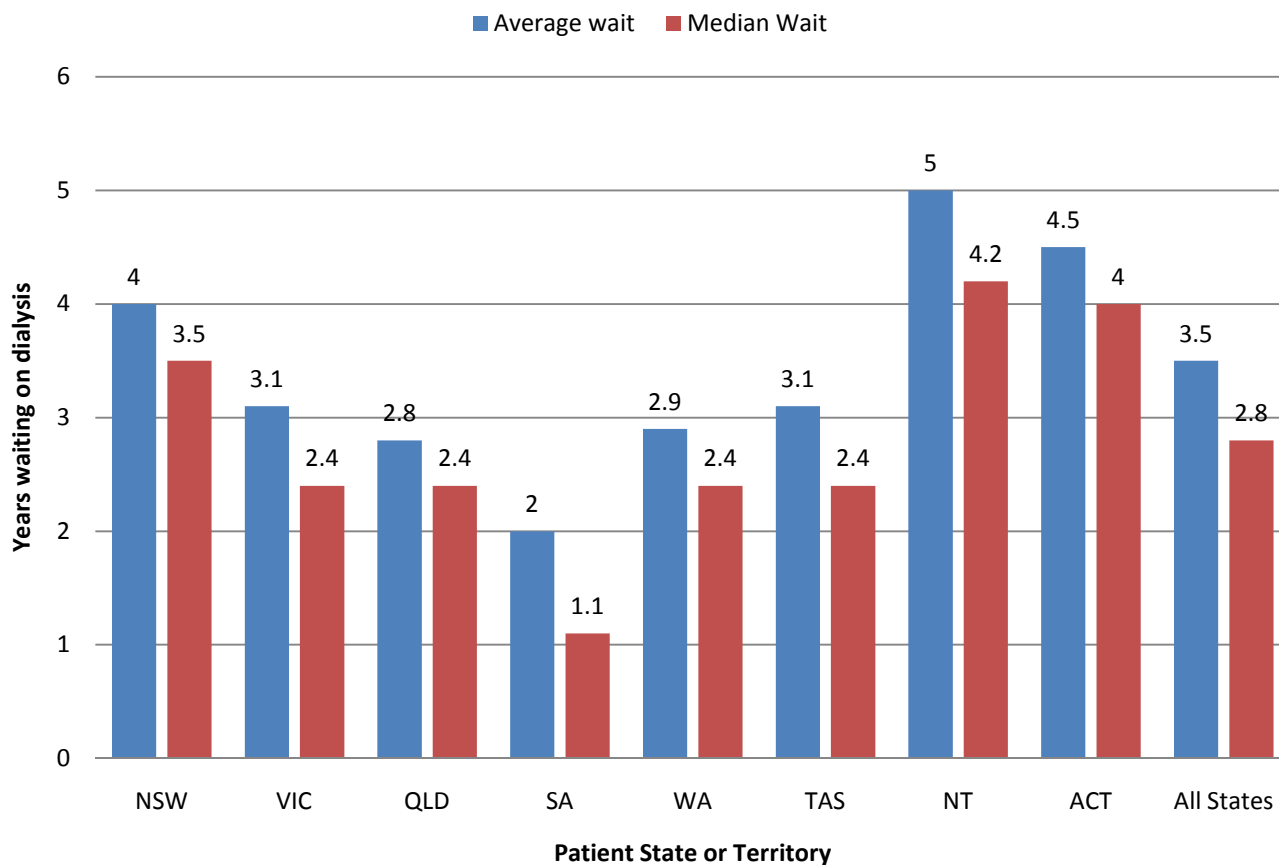
Time waiting on dialysis (in years) for all active patients awaiting kidney transplant and number of previous transplants



### 1.11 Time waiting on dialysis (in years) for all active patients awaiting kidney transplant and patient state or territory

State/ Territory	Average wait (years)	Median wait (years)	Maximum wait (years)
NSW	4.0	3.5	19.3
VIC	3.1	2.4	18.4
QLD	2.8	2.4	9.8
SA	2.0	1.1	9.4
WA	2.9	2.4	20.2
TAS	3.1	2.4	11.7
NT	5.0	4.2	9.6
ACT	4.5	4.0	12.9
<b>ALL</b>	<b>3.5</b>	<b>2.8</b>	<b>20.2</b>

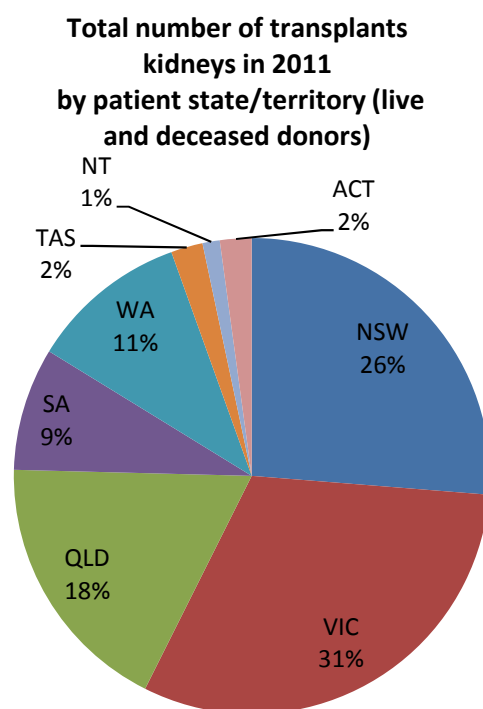
Time waiting on dialysis (in years) for all active patients awaiting kidney transplant and patient state or territory



## 2. KIDNEY TRANSPLANTS DURING 2011

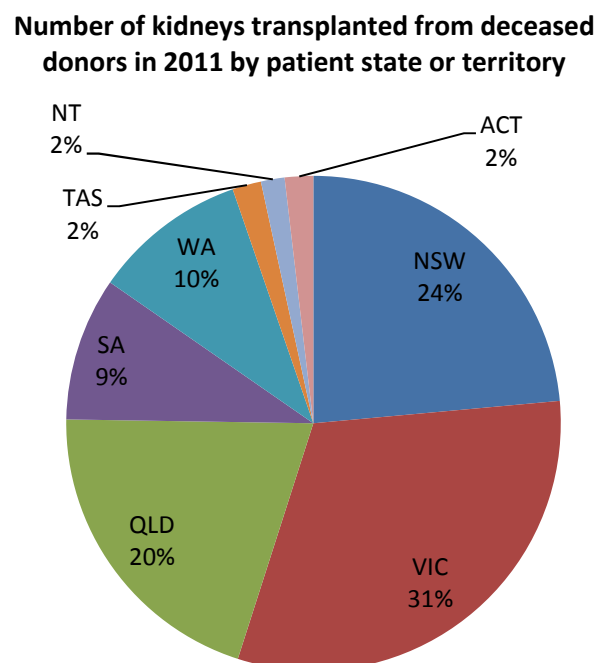
### 2.1 Total Number of transplanted kidneys in 2011 by patient state/territory (live and deceased donors)

Patient State/Territory	Number of transplanted kidneys	Percentage of all kidneys transplanted	Percentage of all patients waiting in each centre (from table 1.2)
NSW	220	26%	44%
VIC	261	31%	28%
QLD	151	18%	12%
SA	70	9%	5%
WA	90	11%	5%
TAS	18	2%	1%
NT	10	1%	1%
ACT	18	2%	4%
<b>ALL</b>	<b>838</b>	<b>100%</b>	<b>100%</b>



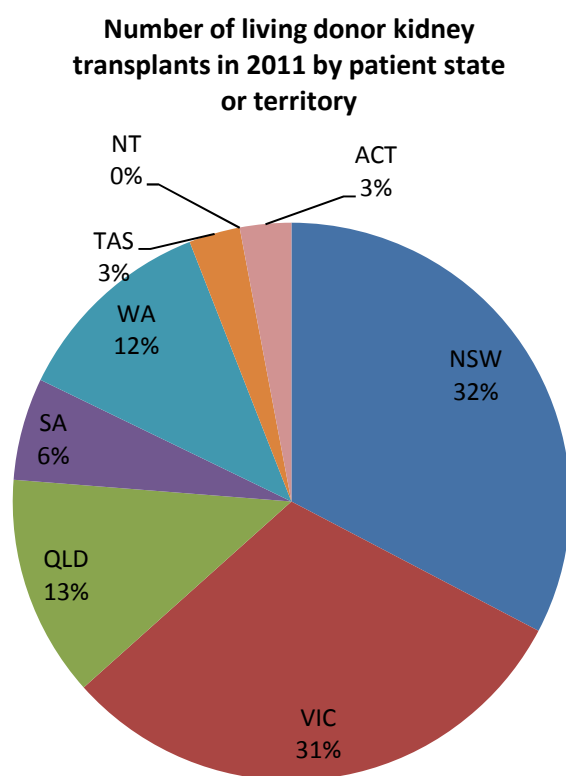
### 2.2 Number of kidneys transplanted from deceased donors in 2011 by patient state or territory

Patient State/Territory	Number of deceased donor transplants	Percentage of all deceased donor kidney transplants	Percentage of all patients waiting in each centre (from table 1.2)
NSW	138	24%	44%
VIC	184	31%	28%
QLD	119	20%	12%
SA	55	9%	5%
WA	59	10%	5%
TAS	11	2%	1%
NT	9	2%	1%
ACT	11	2%	4%
<b>ALL</b>	<b>586</b>	<b>100%</b>	<b>100%</b>



### 2.3 Number of living donor kidney transplants in 2011 by patient state or territory

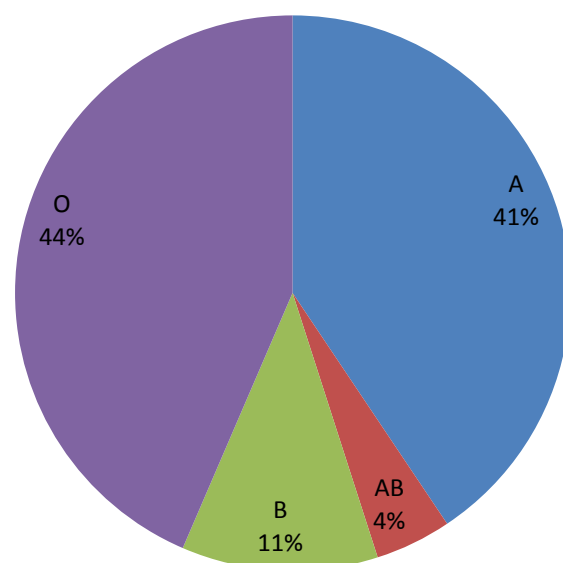
Patient State/ Territory	Number of kidneys transplanted from live donors	Percentage of all live donor kidneys	Percentage of all patients waiting in each centre (from table 1.2)
NSW	82	32%	44%
VIC	77	31%	28%
QLD	32	13%	12%
SA	15	6%	5%
WA	31	12%	5%
TAS	7	3%	1%
NT	1	0%	1%
ACT	7	3%	4%
<b>ALL</b>	<b>252</b>	<b>100%</b>	<b>100%</b>



### 2.4 ABO groups of all patients transplanted with deceased donor kidney in 2011

Patient ABO blood group	Number of transplants	Percentage of transplants	Percentage of ABO groups in Australia*
A	238	41%	38%
AB	26	4%	3%
B	67	11%	10%
O	255	44%	49%
<b>ALL</b>	<b>586</b>	<b>100%</b>	<b>100%</b>

ABO groups of patients transplanted with deceased donor kidney in 2011



\*as published on the Blood Service website

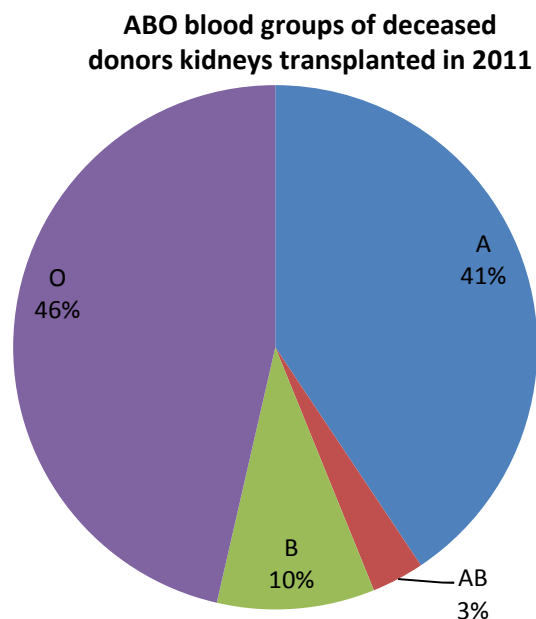
<http://www.donateblood.com.au/all-about-blood/blood-types>

## 2.5 ABO blood groups of deceased donors of kidneys transplanted in 2011

Donor ABO blood group	Number of transplants	Percentage of transplants	Percentage of ABO groups in Australia*
A	238	41%	38%
AB	19	3%	3%
B	57	10%	10%
O	272	46%	49%
<b>ALL</b>	<b>586</b>	<b>100%</b>	<b>100%</b>

\*as published on the Blood Service website

<http://www.donateblood.com.au/all-about-blood/blood-types>



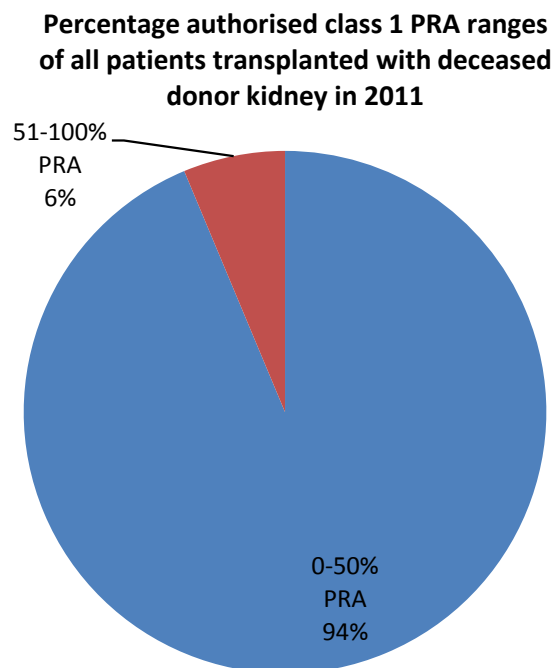
## 2.6 Comparative ABO groups of patients transplanted with deceased donor kidney in 2011

Donor ABO blood group	Blood group of patient receiving Kidney				
	A	AB	B	O	ALL
A	232	6	0	0	238
AB	0	18	1 <sup>?</sup>	0	19
B	0	2	55	0	57
O	6	0	11	255	272
<b>ALL</b>	<b>238</b>	<b>26</b>	<b>67</b>	<b>255</b>	<b>586</b>

? This blood group AB to B transplant was an intentional ABO incompatible deceased donor transplant with a manual allocation (outside the NOMS matching) from a Victorian deceased donor to a Victorian patient.

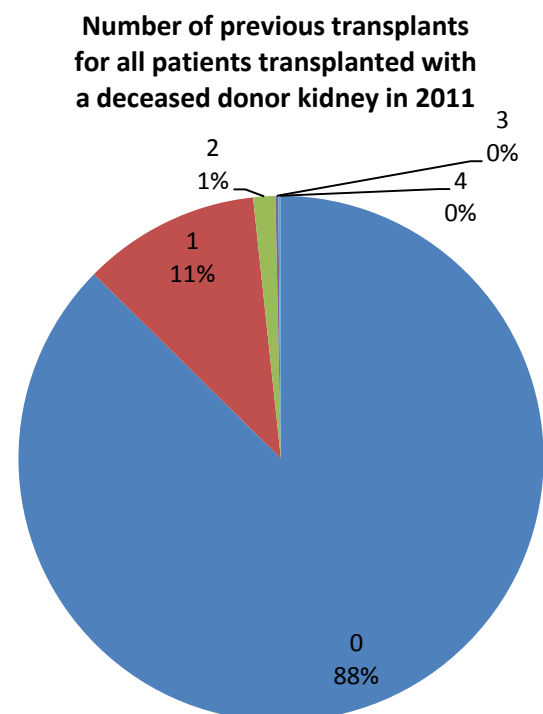
### 2.7 Percentage authorised class 1 panel reactive antibody (PRA) ranges of all patients transplanted with deceased donor kidney in 2011

Patient Authorised PRA	Number of patients transplanted	Percentage of patients transplanted	% of patients on transplant waiting list with PRA level (from table 1.3)
0-50%	549	94%	88%
51-100%	37	6%	12%
<b>ALL</b>	<b>586</b>	<b>100%</b>	<b>100%</b>



### 2.8 Number of previous transplants for all patients transplanted with deceased donor kidney in 2011

Number of previous transplants	Number of patients transplanted	Percentage of patients transplanted	% of patients on transplant waiting list with previous transplant number (from table 1.9)
0	512	88%	78%
1	64	11%	18%
2	8	1%	3%
3	1	0%	1%
4	1	0%	0%
<b>ALL</b>	<b>586</b>	<b>100%</b>	<b>100%</b>

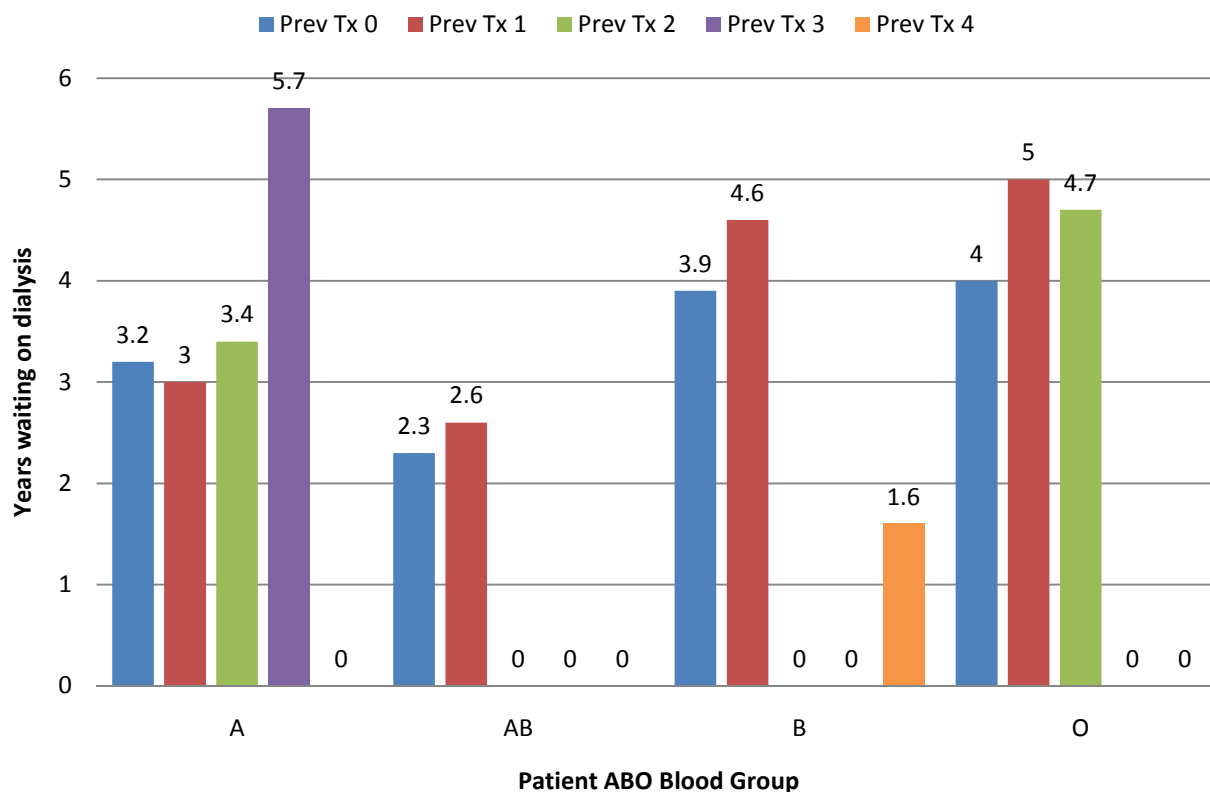




**2.9 Average time waiting on dialysis (in years) of all patients transplanted with deceased donor kidney in 2011 and previous transplants by patient ABO blood group (n=586)**

Number of previous transplants	A	AB	B	O	Average Wait	Median Wait	Maximum Wait
0 (512)	3.2	2.3	3.9	4.0	3.6	3.1	17.3
1 (64)	3.0	2.6	4.6	5.0	4.2	3.3	17.2
2 (8)	3.4	-	-	4.7	3.9	2.1	10.0
3 (1)	5.7	-	-	-	5.7	5.7	5.7
4 (1)	-	-	1.6	-	1.6	1.6	1.6
<b>Average wait</b>	<b>3.2</b>	<b>2.4</b>	<b>4.0</b>	<b>4.1</b>	<b>3.6</b>	<b>3.1</b>	<b>17.3</b>
<b>Median Wait</b>	<b>2.9</b>	<b>1.9</b>	<b>3.7</b>	<b>3.3</b>	<b>3.1</b>		
<b>Maximum Wait</b>	<b>13.0</b>	<b>7.1</b>	<b>10.3</b>	<b>17.3</b>	<b>17.3</b>		

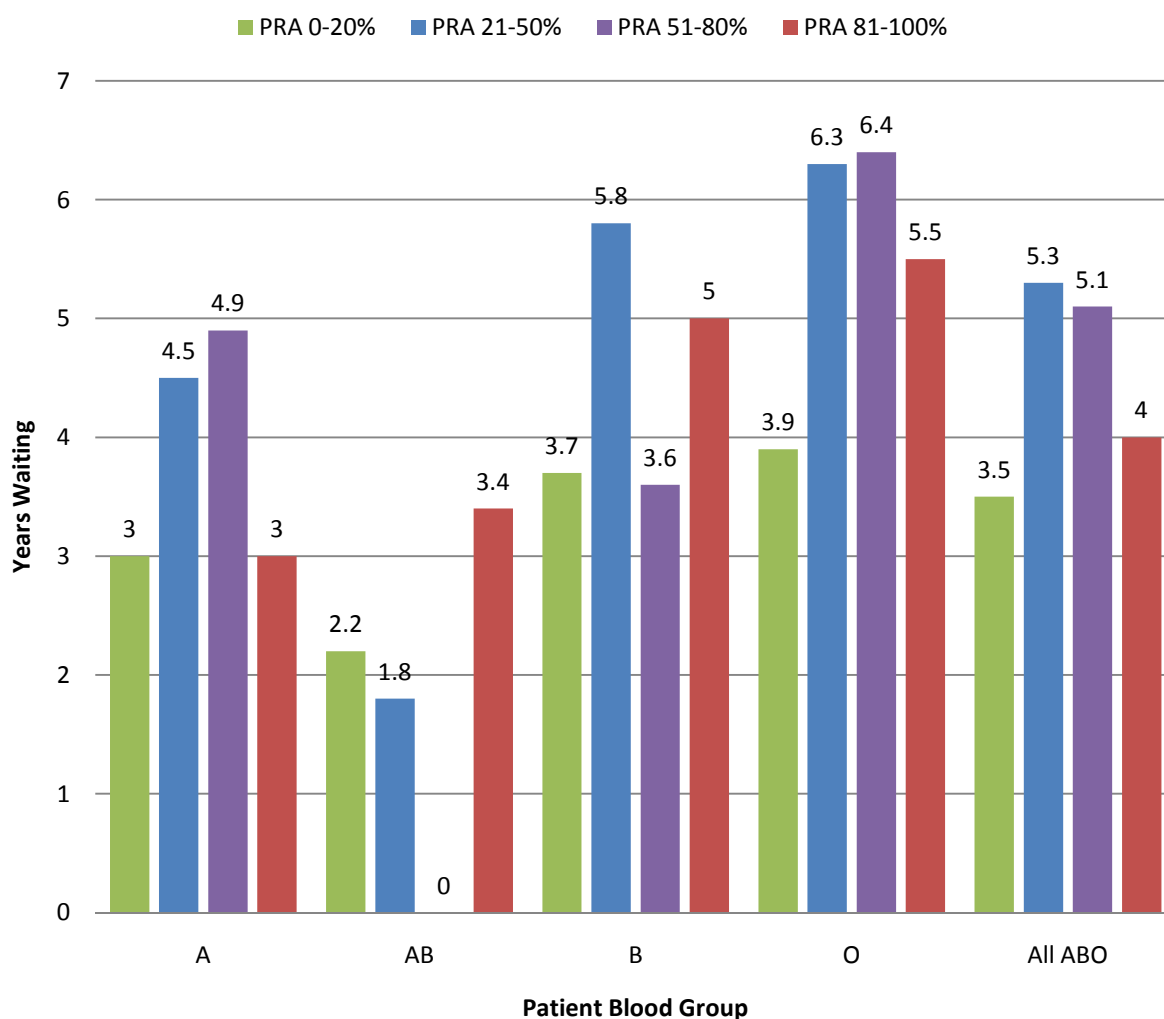
**Average time waiting on dialysis (in years) of patients transplanted with a deceased donor kidney in 2011 by previous transplant and ABO blood group (n=586)**



**2.10 Average time waiting on dialysis (in years) of all patients transplanted with deceased donor kidney in 2011 and percentage authorised class 1 panel reactive antibody (PRA) ranges by patient ABO blood group (n=586)**

Patient Authorised PRA	A	AB	B	O	All ABO	Median Wait	Maximum Wait
0-20%	3.0	2.2	3.7	3.9	3.5	2.9	17.3
21-50%	4.5	1.8	5.8	6.3	5.3	5.2	11.3
51-80%	4.9	-	3.6	6.4	5.1	4.7	11.9
81-100%	3.0	3.4	5.0	5.5	4.0	2.8	10.5
<b>ALL</b>	<b>3.2</b>	<b>2.4</b>	<b>4.0</b>	<b>4.1</b>	<b>3.6</b>	<b>3.1</b>	<b>17.3</b>

**Average time waiting on dialysis (in years) of all patients transplanted with a deceased donor kidney in 2011 by percentage authorised class 1 PRA ranges and patient ABO blood group (n=586)**

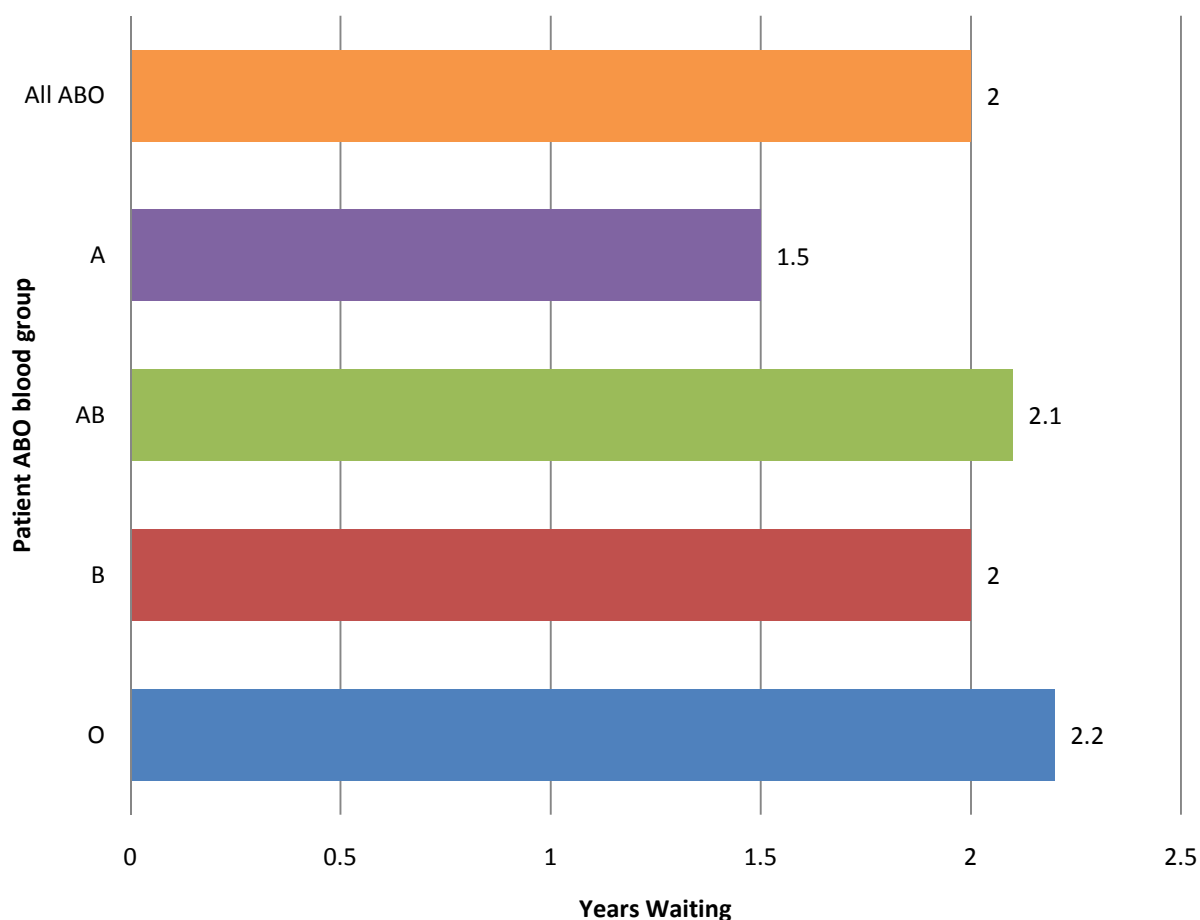


**2.11 Average Time waiting on dialysis (in years) of paediatric patients transplanted with deceased donor kidney in 2011 by patient ABO blood group**

Patient status	A	AB	B	O	All ABO (n= 16)
Paediatric*	1.5	2.1	2.0	2.2	2.0
<b>ALL Patients</b>	<b>3.2</b>	<b>2.4</b>	<b>4.0</b>	<b>4.1</b>	<b>3.6</b>

\* Paediatric status is currently defined in NOMS as patients whose current age is less than 18 years, first dialysis date was at an age less than 17 years, and time since 'dialysis for matching' date is greater than 1 year.

**Average time waiting on dialysis (in years) of paediatric patients transplanted with deceased donor kidney in 2011 by patient ABO blood group**

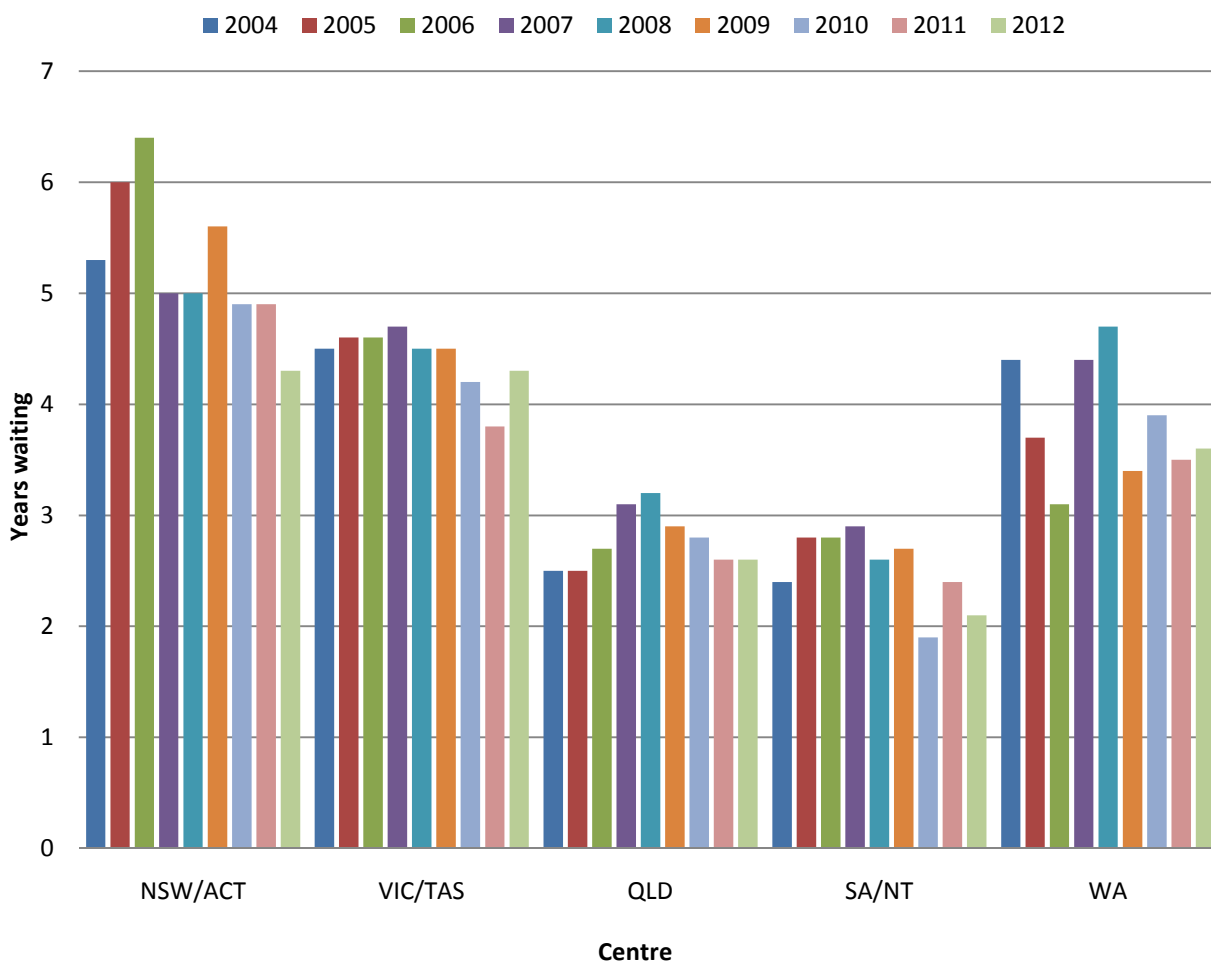


**2.12 Average waiting time on dialysis (in years) for patients transplanted with deceased donor kidney by centre and year**

Centre	2004	2005	2006	2007	2008	2009	2010	2011	2012 (at 3/4/2012)
NSW/ACT	5.3	6.0	6.4	5.0	5.0	5.6	4.9	4.9	4.3 (4.0)
VIC/TAS	4.5	4.6	4.6	4.7	4.5	4.5	4.2	3.8	4.3 (3.1)
QLD	2.5	2.5	2.7	3.1	3.2	2.9	2.8	2.6	2.6 (2.8)
SA/NT	2.4	2.8	2.8	2.9	2.6	2.7	1.9	2.4	2.1 (2.6)
WA	4.4	3.7	3.1	4.4	4.7	3.4	3.9	3.5	3.6 (2.9)
<b>ALL</b>	<b>4.0</b>	<b>4.4</b>	<b>4.2</b>	<b>4.1</b>	<b>4.1</b>	<b>4.1</b>	<b>3.9</b>	<b>3.6</b>	<b>3.7 (3.5)</b>

Figures in brackets ( ) are the average waiting times on dialysis for active patients at date indicated in table header

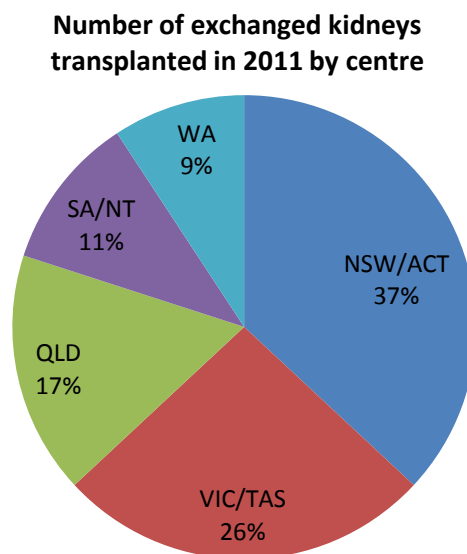
**Average waiting time on dialysis (in years) for patients transplanted with deceased donor kidney in 2011 by centre and year**



### 3. INTERSTATE EXCHANGE OF DECEASED DONOR KIDNEYS IN 2011

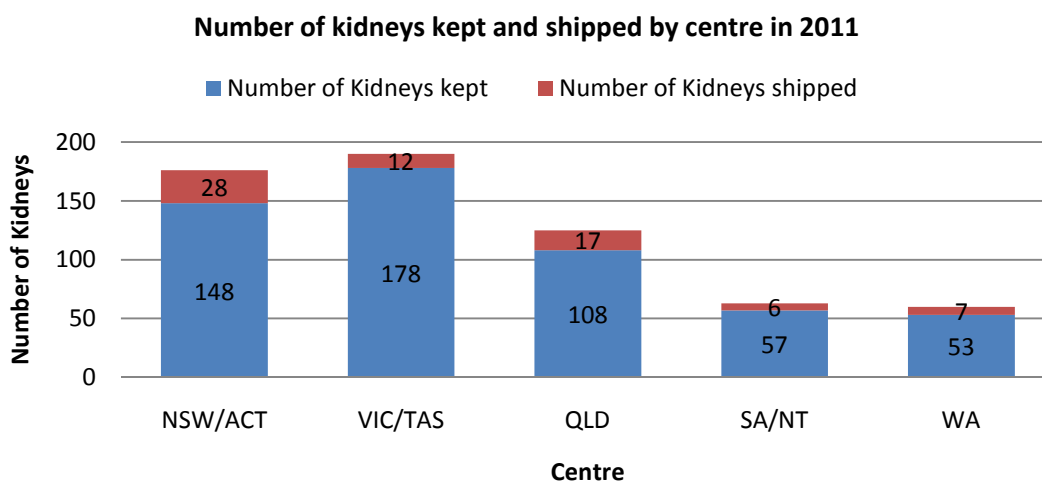
#### 3.1 Number of exchanged kidneys transplanted by centre in 2011

Transplant Centre	Number of exchanged kidneys transplanted	Percentage of exchanged kidneys transplanted
NSW/ACT	24	37%
VIC/TAS	17	26%
QLD	11	17%
SA/NT	7	11%
WA	6	9%
<b>ALL</b>	<b>65</b>	<b>100%</b>



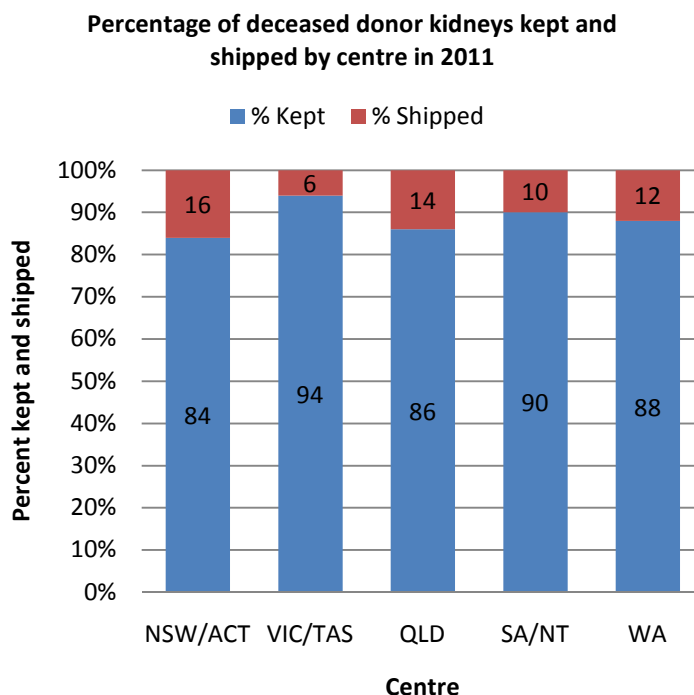
#### 3.2 Number of kidneys kept and shipped by centre in 2011

Transplant Centre	Number of kidneys kept	Number of kidneys shipped	Total number of kidneys from centre
NSW/ACT	125	23	148
VIC/TAS	178	12	190
QLD	108	17	125
SA/NT	57	6	63
WA	53	7	60
<b>ALL</b>	<b>521</b>	<b>65</b>	<b>586</b>



### 3.3 Percentage of deceased donor kidneys kept and shipped by centre in 2011

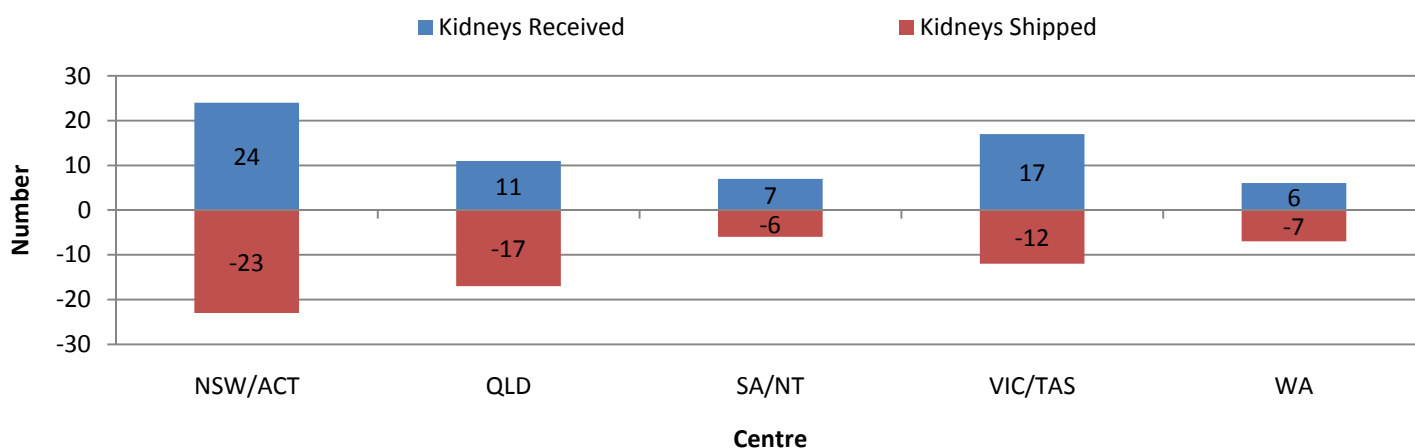
Transplant Centre	Percentage kept	Percentage shipped
NSW/ACT	84%	16%
VIC/TAS	94%	6%
QLD	86%	14%
SA/NT	90%	10%
WA	88%	12%
<b>ALL</b>	<b>89%</b>	<b>11%</b>



### 3.4 Number of kidneys received and shipped by centre in 2011

Transplant Centre	Number of kidneys received	Number of kidneys shipped	Difference (received – shipped)
NSW/ACT	24	23	1
QLD	11	17	-6
SA/NT	7	6	1
VIC/TAS	17	12	5
WA	6	7	-1
<b>ALL</b>	<b>65</b>	<b>65</b>	<b>0</b>

Number of Kidneys received and shipped by centre in 2011



### 3.5 Computerised Interstate Exchange balances

DATE	NSW	QLD	SA	VIC	WA
22/8/91	-4	+8	+5	-9	n/a
31/8/92	-13	+24	+8	-19	n/a
5/1/93	-12	+28	+1	-17	n/a
2/9/94	-5	+6	-1	-4	+4
4/1/95	+2	+2	0	-8	+4
2/1/96	-2	+2	-1	-3	+4
4/2/97	-2	+5	+8	-8	-3
10/3/98	-8	+1	+10	+1	-4
7/1/99	+1	-1	+7	-1	-6
4/4/00	+1	0	+4	-2	-3
15/3/01	-5	+3	+5	-2	-1
3/4/02	0	+1	+3	+1	-5
6/1/03	-2	+2	+6	0	-6
6/7/04	-3	+2	+7	-5	-1
29/4/05	-9	-1	+11	0	-1
3/4/06	-6	0	+11	-3	-2
16/3/07	-1	+1	+5	-1	-4
2/4/08	-1	0	+4	0	-3
31/3/09	-2	0	+4	0	-2
16/4/10	-2	0	+3	-1	0
8/4/11	-2	0	+3	0	-1
3/4/12	-5	+3	+2	-2	+2

'+' implies a cumulative net outflow of kidneys to the date given

'-' implies a cumulative net inflow of kidneys to the date given

### 3.6 Current kidney matching national algorithm

Algorithm	Criteria	Score
Australian National	Base Score if (HLA A + B + DR mismatches = 0) and (Class 1 authorised Panel Reactive Antibodies not < 50%) (Level 1 match)	60 000 000
	Base Score if (HLA A + B + DR mismatches = 1) and (Class 1 authorised Panel Reactive Antibodies > 80%) (Level 2 match)	59 000 000
	Base Score if (HLA A + B + DR mismatches = 2) and (Class 1 authorised Panel Reactive Antibodies > 80%) (Level 3 match)	58 000 000
	Base Score if (HLA A + B + DR mismatches = 0) and (Class 1 authorised Panel Reactive Antibodies < 50%) (Level 4 match)	57 000 000
	Base Score if (HLA DR mismatches = 0) and (HLA A+B mismatches = 1) and (Class 1 authorised Panel Reactive Antibodies not > 80%) and centre credit difference (donor centre credit – patient centre credit ) <= -3 (Level 5 match)	56 000 000
	Base Score if (HLA DR mismatches = 0) and (HLA A+B mismatches = 2) and (Class 1 authorised Panel Reactive Antibodies not > 80%) and centre credit difference (donor centre credit – patient centre credit ) <= -6 (Level 6 match)	55 000 000
	Base Score if score is null and centre credit difference (donor centre credit – patient centre credit ) < -20 (Level 7 match)	54 000 000
	Paediatric	+30 000
	If donor centre = patient centre	+50 000
	Centre credit balance	+(1000 + patient centre credit)
	Each month Waiting on dialysis	+1
	Lower Threshold for National Algorithm	54 000 000
Australian National Override	Base Score	0
	Paediatric	+30 000
	Antibody (for each % of authorised antibody > threshold of 50%)	+1000
	Each month Waiting on dialysis	+100

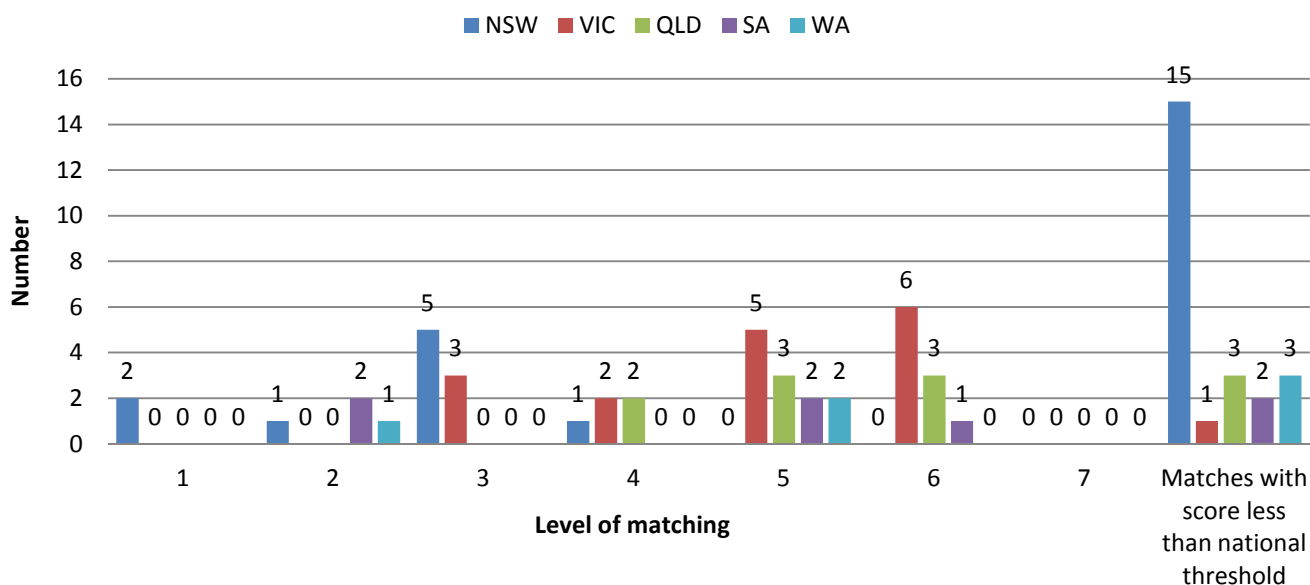


### 3.7 Levels of matching of exchanged kidneys transplanted in 2011

Patient Centre	Level of matching on national algorithm								All
	1	2	3	4	5	6	7	Matches with score less than national threshold	
NSW	2	1	5	1	0	0	0	15 <i>(10*, 3&amp;, 2&lt;-&gt;)</i>	24
VIC	0	0	3	2	5	6	0	1 <i>(1&amp;)</i>	17
QLD	0	0	0	2	3	3	0	3 <i>(3&amp;)</i>	11
SA	0	2	0	0	2	1	0	2 <i>(2&amp;)</i>	7
WA	0	1	0	0	2	0	0	3 <i>(2&amp;, 1*)</i>	6
<b>ALL</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>5</b>	<b>12</b>	<b>10</b>	<b>0</b>	<b>24</b>	<b>65</b>
<b>%</b>	<b>3%</b>	<b>6%</b>	<b>12%</b>	<b>8%</b>	<b>18%</b>	<b>15%</b>	<b>0%</b>	<b>38%</b>	<b>100%</b>

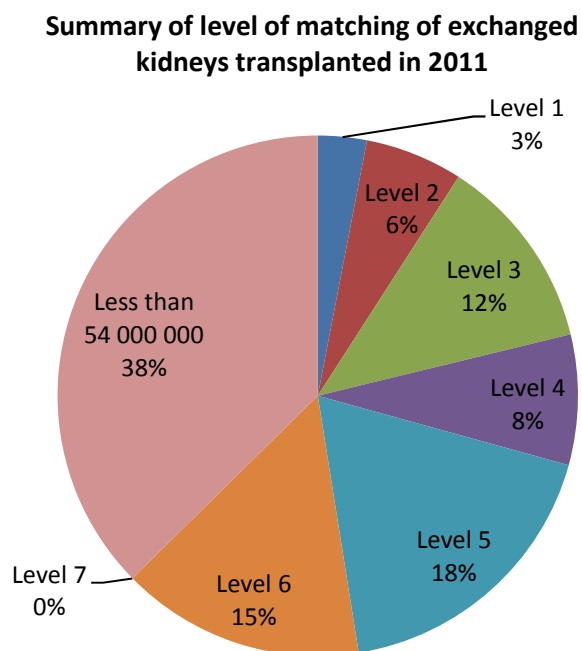
& Manually allocated for multi-organ transplant  
 \* National Override Used  
 <-> Matched as interstate donor

Levels of matching of exchanged kidneys transplanted in 2011



### 3.8 Summary of level of matching of exchanged kidneys transplanted in 2011

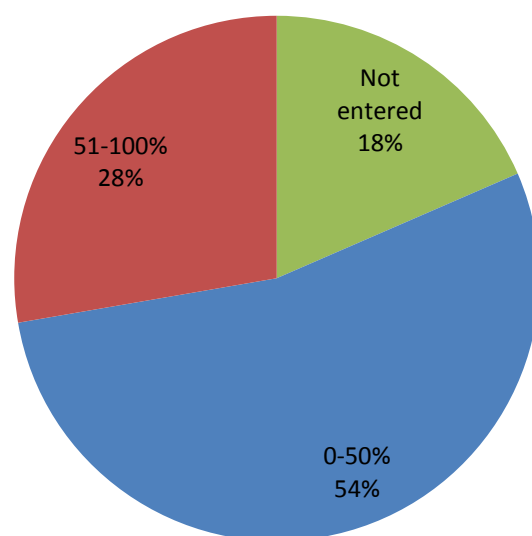
Level of matching	Percentage of exchanged kidneys
Level 1 (60 000 000 + )	3%
Level 2 (59 000 000 – 59 999 999)	6%
Level 3 (58 000 000 – 58 999 999)	12%
Level 4 (57 000 000 – 57 999 999)	8%
Level 5 (56 000 000 – 56 999 999)	18%
Level 6 (55 000 000 – 55 999 999)	15%
Level 7 (54 000 000 – 54 999 999)	0%
Less than 54 000 000	38%
<b>ALL</b>	<b>100%</b>



### 3.9 Percentage authorised class 1 panel reactive antibody (PRA) range of patients receiving exchanged kidneys in 2011

Patient Authorised PRA	Number of exchanged kidneys transplanted	Percentage of exchanged kidneys transplanted
Not entered	12	18%
0-50 %	35	54%
51-100%	18	28%
<b>ALL</b>	<b>65</b>	<b>100%</b>

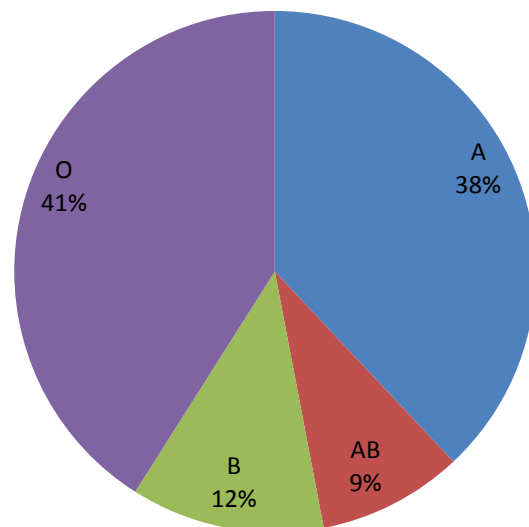
Percentage authorised class 1 PRA range of patients receiving exchanged kidneys in 2011



### 3.10 ABO blood groups of patients receiving exchanged kidneys in 2011

Patient ABO blood group	Number of exchanged kidneys transplanted	Percentage of exchanged kidneys transplanted
A	25	38%
AB	6	9%
B	8	12%
O	26	41%
<b>ALL ABO</b>	<b>65</b>	<b>100%</b>

ABO blood group of patients receiving exchanged kidneys in 2011



## 4. MISCELLANEOUS

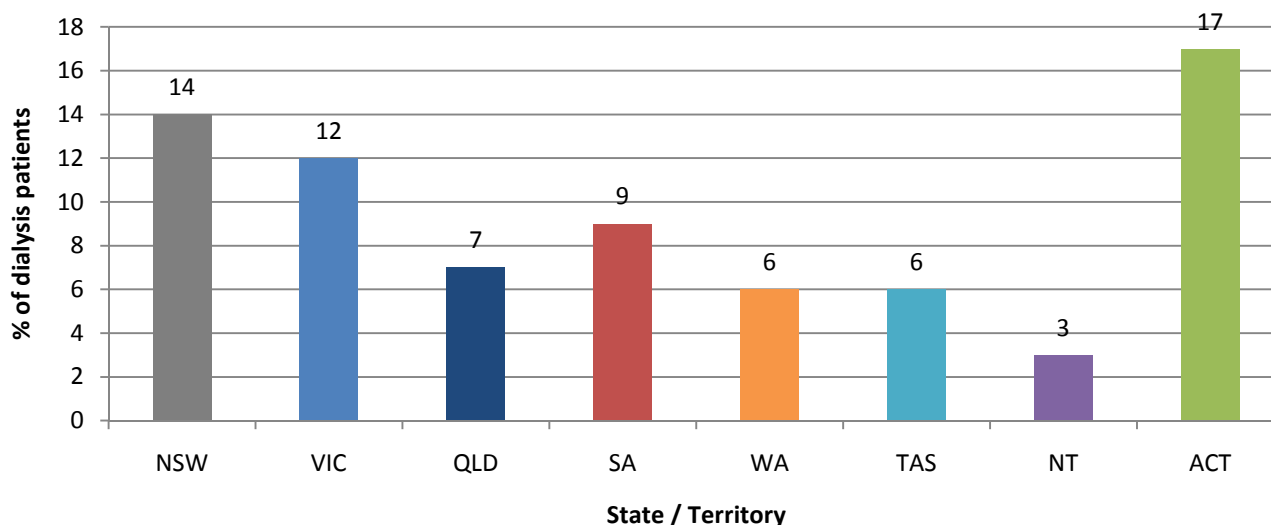
### 4.1 Number of active patients awaiting kidney transplant as % of dialysing patients as at 31/12/2010\*

State / Territory	Number of active patients (3/4/2012) (from table 1.2)	% of all patients on active waiting list (3/4/2012) (from table 1.2)	Number of patients on dialysis (31/12/2010)*	State / Territory % of total dialysing patients	% of dialysing patients on active waiting list from that State/Territory #
NSW	498	44%	3441	32%	14%
VIC	320	28%	2598	25%	12%
QLD	131	12%	1994	19%	7%
SA	61	5%	674	6%	9%
WA	61	5%	1007	10%	6%
TAS	12	1%	192	2%	6%
NT	13	1%	439	4%	3%
ACT	42	4%	245	2%	17%
<b>ALL</b>	<b>1138</b>	<b>100%</b>	<b>10590</b>	<b>100%</b>	<b>11%</b>

\*2011 patient dialysis data is not available from ANZDATA at this time

#Source: Chapter 4 – Figure 4.2, ANZDATA Registry 2011 Report

Number of active patients awaiting kidney transplant as % of dialysing patients as at 31/12/10\*



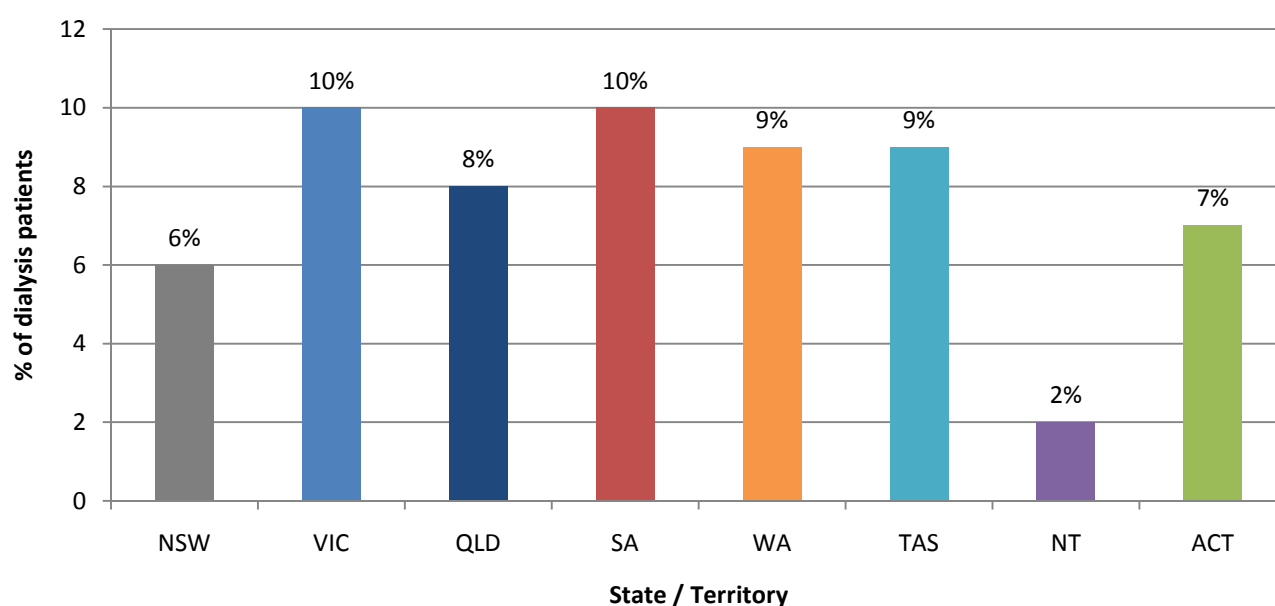
\*2011 patient dialysis data is not available from ANZDATA at this time

#### 4.2 Number of transplanted kidneys in 2011 by patient state or territory (live and deceased donors) as % of patients dialysing at 31/12/2010\*

Patient State / Territory	Number of transplanted kidneys in 2011 (from table 2.1)	% of all kidneys transplanted in 2011 (from table 2.1)	Number of patients on dialysis (31/12/2010) (from table 4.1)	Number of transplanted patients in 2011 as a % of total patients on dialysis for that state/territory as at 31/12/2010
NSW	220	26%	3441	6%
VIC	261	31%	2598	10%
QLD	151	18%	1994	8%
SA	70	9%	674	10%
WA	90	11%	1007	9%
TAS	18	2%	192	9%
NT	10	1%	439	2%
ACT	18	2%	245	7%
<b>ALL</b>	<b>838</b>	<b>100%</b>	<b>10590</b>	<b>8%</b>

\*2011 patient dialysis data is not available from ANZDATA at this time

**Number of transplanted kidneys in 2011 by patient state or territory (live and deceased donors) as % of patients dialysing as at 31/12/10\***



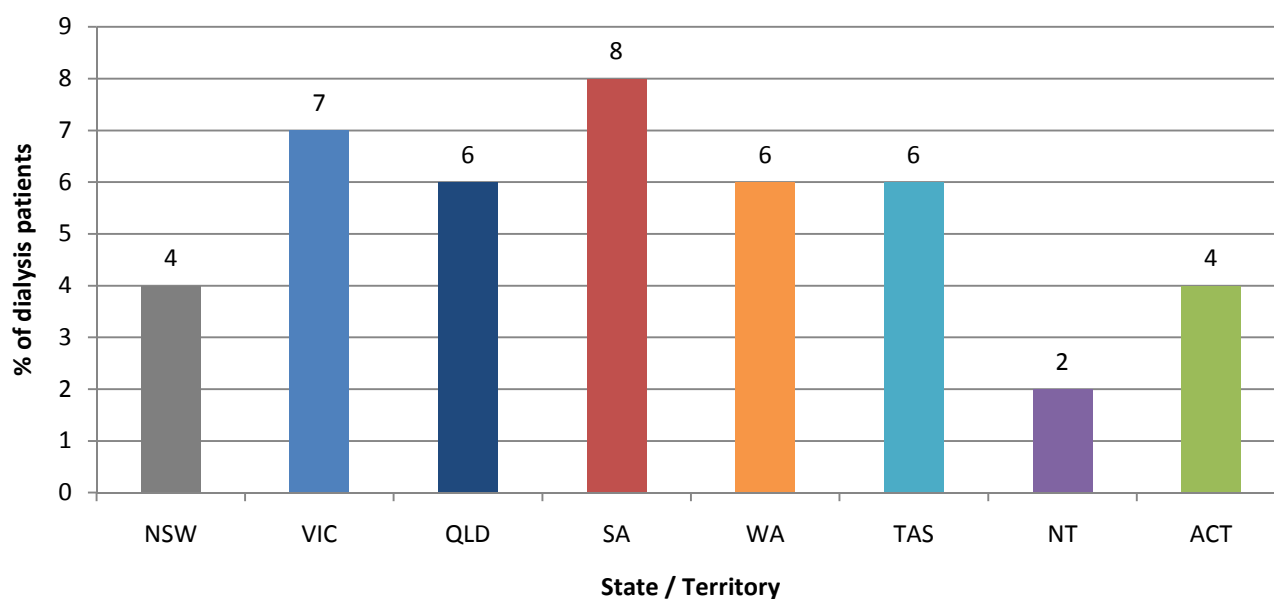
\*2011 patient dialysis data is not available from ANZDATA at this time

**4.3 Number of kidneys transplanted from deceased donors in 2011 by patient state or territory as % of patients dialysing as at 31/12/2010\***

Patient State / Territory	Number of deceased donor transplants in 2011 (from table 2.2)	Percentage of all deceased donor kidney transplants in 2011 (from table 2.2)	Number of patients on dialysis as at 31/12/2010 (from table 4.1)	Number of transplanted patients in 2011 with deceased donor kidney as a % of total patients on dialysis for that state/territory as at 31/12/2010
NSW	138	24%	3441	4%
VIC	184	31%	2598	7%
QLD	119	20%	1994	6%
SA	55	9%	674	8%
WA	59	10%	1007	6%
TAS	11	2%	192	6%
NT	9	2%	439	2%
ACT	11	2%	245	4%
<b>ALL</b>	<b>586</b>	<b>100%</b>	<b>10590</b>	<b>6%</b>

*\*2011 patient dialysis data is not available from ANZDATA at this time*

**Number of kidneys transplanted from deceased donors in 2011 by patient state or territory as % of patients dialysing as at 31/12/10\***



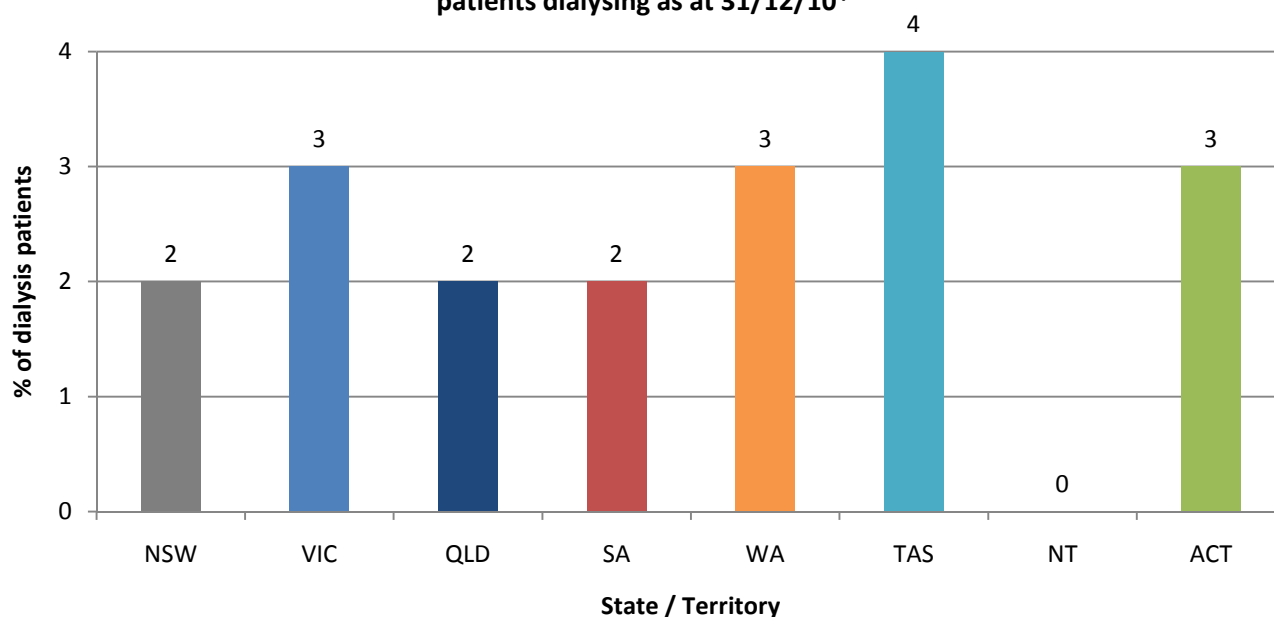
*\*2011 patient dialysis data is not available from ANZDATA at this time*

**4.4 Number of living donor kidney transplants in 2011 by patient state or territory as % of patients dialysing as at 31/12/10\***

Patient State / Territory	Number of kidneys transplanted from live donors in 2011 (from table 2.3)	Percentage of all live donor kidney transplants in 2011 (from table 2.3)	Number of patients on dialysis as at 31/12/2010* (from table 4.1)	Number of transplanted patients in 2011 with live donor kidney as a % of total patients on dialysis for that state/territory as at 31/12/2010*
NSW	82	32%	3441	2%
VIC	77	31%	2598	3%
QLD	32	13%	1994	2%
SA	15	6%	674	2%
WA	31	12%	1007	3%
TAS	7	3%	192	4%
NT	1	0%	439	0%
ACT	7	3%	245	3%
<b>ALL</b>	<b>252</b>	<b>100%</b>	<b>10590</b>	<b>2%</b>

\*2011 patient dialysis data is not available from ANZDATA at this time

**Number of living donor kidney transplants in 2011 by patient state or territory as % of patients dialysing as at 31/12/10\***

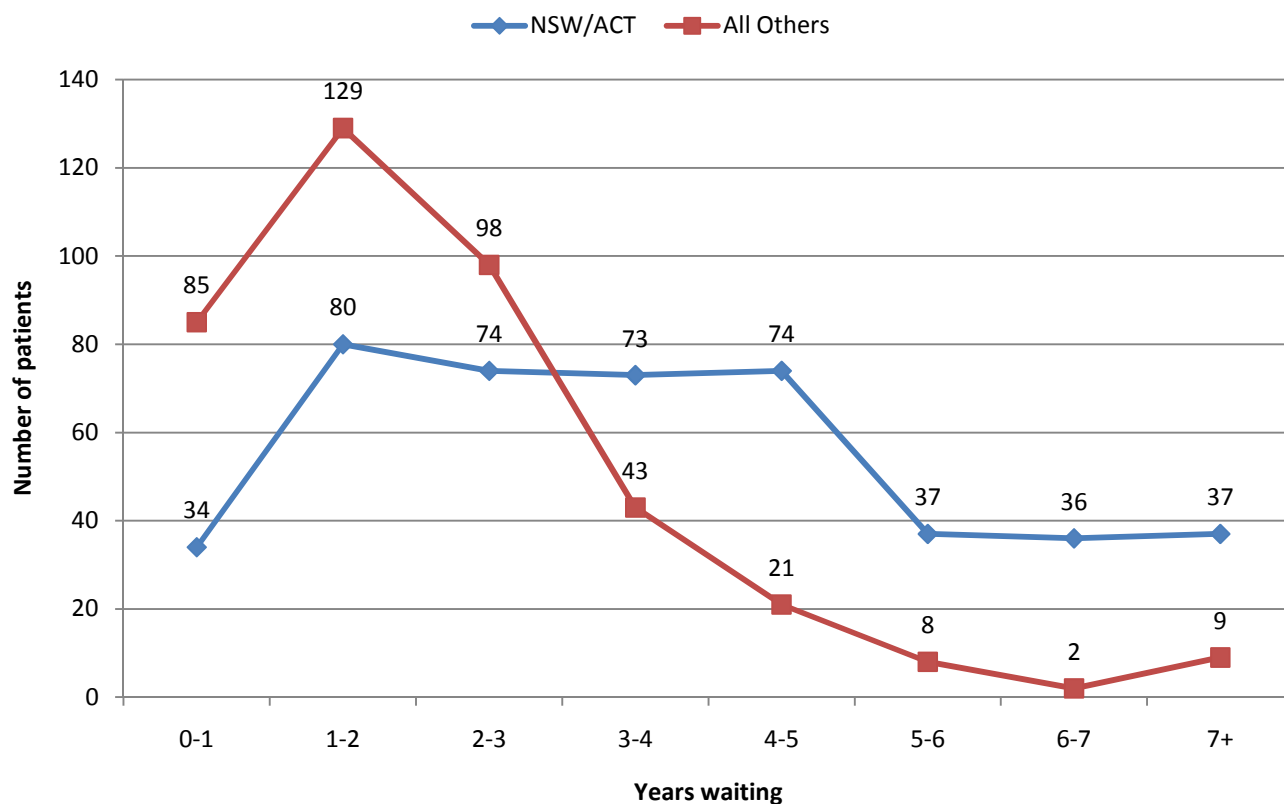


\*2011 patient dialysis data is not available from ANZDATA at this time

### 4.5 Years waiting for first kidney transplant for NSW/ACT and other centres patients waiting on 3/4/2012

Centre	Years Waiting								Total
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7+	
NSW/ACT	34	80	74	73	74	37	36	37	412
All others	85	129	98	43	21	8	2	9	428
<b>ALL</b>	<b>119</b>	<b>209</b>	<b>172</b>	<b>116</b>	<b>95</b>	<b>45</b>	<b>38</b>	<b>46</b>	<b>840</b>

Years waiting for first kidney transplant for NSW/ACT and other centres patients waiting on 3/4/12



## 5. END OF DOCUMENT