

Chapter 7

Organ Waiting Lists in Australia and New Zealand



2015
ANZOD Registry
Annual Report
Data to 31-Dec-2014



Organ Waiting Lists

This chapter brings together waiting list data for the various organs. This data is not directly collected by ANZOD, but has been provided by the relevant transplant outcome Registries. In many cases more detailed information is contained in the annual reports of the relevant transplant outcome Registries. There are, however, important general considerations in interpretation of waiting list data.

Firstly, waiting list data is not necessarily a good indicator of actual demand for transplantation. There are many people with organ disease for whom transplant is not the primary treatment option and who are not therefore placed on transplant waiting lists. There are many rules guiding eligibility for transplantation. For further advice please see the organ transplantation from deceased donors consensus statement on eligibility criteria and allocation protocols. (www.tsanz.com.au/organallocationprotocols/index.asp).

For example, listing on the kidney transplant waiting list requires an 80% expected survival at 5 years post transplantation.

Secondly, the reasons for removal from the waiting list also vary. In some cases an individual dies. In other cases (particularly cardiothoracic and liver waiting lists) they may be removed due to improving health; conversely removal may reflect deteriorating health such that the risks. Data regarding whether these people subsequently return to the waiting list, remain off the list, or die without returning to the list is not collected at this stage.

Thirdly, the waiting list data refers only to people on the “active” waiting list who would be transplanted immediately if an organ were available. For some organs, there are groups of patients who have been assessed but not yet activated on the waiting list, or who are temporarily removed or made “inactive”. For example patients may develop a medical problem that makes them temporarily or permanently unfit for transplantation.

Residents of Australia or New Zealand who have transplants performed abroad may not be reported to local transplant outcome Registries and may not impact on the wait list stock and flow.

For all organs, data is presented in a “stock and flow” format, examining the transitions on and off the waiting list over the period of a calendar year. It is possible those removed from the waiting list are subsequently re-listed. The figures in the tables refer to the lists at 1 January and 31 December of each year.





Organ Waiting Lists

Kidneys

Data for these waiting lists are derived from the from National Organ Matching System (NOMS) of Australia combined with material from the ANZDATA Registry. Some people in the deceased donor kidney waiting lists may receive a kidney from a living donor, though the majority of living kidney donor recipients are not in the waiting lists. A patient is deemed fit for transplantation and activated on the deceased donor transplant list but a living donor kidney can be made available prior to a diseased donor transplant taking place. These two groups are illustrated separately.

Data is currently available only for Australia. Negotiations are currently underway to extend to the inclusion of New Zealand data.

Figure 7.1

Australian Deceased Donor Kidney Waiting List Stock and Flow Totals 2008 - 2013							
	Event	2008	2009	2010	2011	2012	2013
Australia	Active start of year	1334	1252	1266	1185	1087	1073
	Made active	653	671	630	707	744	762
	Taken off list	182	178	149	199	153	140
	DD graft	417	401	499	533	554	581
	LD graft	122	64	58	62	45	54
	Overseas graft	2	4	1	2	0	1
	Died on list	12	10	4	9	6	3
	Active end of year	1252	1266	1185	1087	1073	1056
Classification is by year of death, not year of de-listing. If a de-listing is followed by a re-listing or a transplant from any source it is not counted as a death within 12 months of de-listing.							



Organ Waiting Lists

Liver

This table includes the waiting lists for both Australia and New Zealand. For liver transplantation, the waiting list is extracted from the Australia and New Zealand Liver Transplant Registry (ANZLTR) Annual Report, based on returns from transplanting centres. More detailed analyses can be found in the Report, at <http://www.anzltr.org/>.

Figure 7.2			
Australian and New Zealand Deceased Donor Liver Waiting List Stock and Flow Totals 2013 - 2014			
Country	Event	2013	2014
Australia	Active start of year	165	145
	Made active	317	347
	Taken off list	66	55
	Deceased donor transplant	248	234
	Died on list	24	16
	Active end of year	145	186
New Zealand	Active start of year	21	19
	Made active	43	56
	Taken off list	5	14
	Deceased donor transplant	31	38
	Died on list	5	2
	Active end of year	19	18



Organ Waiting Lists

Cardiothoracic Organs

Waiting lists for heart transplants, lung transplants and heart-lung transplants are collated by the Australia and New Zealand Cardiothoracic Organ Transplant Registry (ANZCOTR), based on reports from transplant units. The data in the tables are supplied by the ANZCOTR, and include both Australia and New Zealand wait list data. Further material for each organ is available in the ANZCOTR Annual Report at <http://www.anzcotr.org.au/>.

Heart

Figure 7.3

**Australian and New Zealand Deceased Donor Heart Waiting List
Stock and Flow Totals 2009 - 2014**

Country	Event	2009	2010	2011	2012	2013	2014
Australia	Active start of year	51	45	46	65	64	48
	Made active	96	89	107	92	91	127
	Taken off list	37	15	16	13	19	32
	Deceased donor transplant	60	65	65	73	77	78
	Died on list	5	8	7	7	11	5
	Active end of year	45	46	65	64	48	60
New Zealand	Active start of year	7	7	11	13	14	10
	Made active	15	19	20	19	18	18
	Taken off list	2	4	5	5	9	3
	Deceased donor transplant	11	11	11	12	9	17
	Died on list	2	0	2	1	4	0
	Active end of year	7	11	3	14	10	8



Organ Waiting Lists

Lung

Figure 7.4

**Australian and New Zealand Deceased Donor Lung Waiting List
Stock and Flow Totals 2009 - 2014**

Country	Event	2009	2010	2011	2012	2013	2014
Australia	Active start of year	101	102	116	99	94	96
	Made active	150	167	182	171	206	223
	Taken off list	21	13	24	11	23	29
	Deceased donor transplant	122	126	162	149	169	166
	Died on list	6	14	13	11	13	14
	Active end of year	102	116	99	99	95	110
New Zealand	Active start of year	4	6	8	13	13	13
	Made active	11	17	17	24	21	18
	Taken off list	1	3	2	9	1	0
	Deceased donor transplant	8	9	10	12	19	17
	Died on list	0	3	0	4	1	1
	Active end of year	6	8	13	12	13	13



Organ Waiting Lists

Pancreas

Data for the pancreas transplant waiting list is derived from data supplied by hospitals to the Australian and New Zealand Pancreas and Islets Transplant Registry. It includes both people waiting for a combined kidney-pancreas transplant (the majority) and those waiting for a pancreas transplant (following a previous kidney transplant). It does not include people waiting for pancreas islet cell transplants.

Figure 7.5		
Australian & New Zealand Deceased Donor Pancreas Waiting List Stock and Flow Totals 2014		
Country	Event	2014
Australia	Active start of year	63
	Made active	38
	Taken off list	14
	Deceased donor transplant	43
	Died on list	5
	Active end of year	59
New Zealand	Active start of year	7
	Made active	3
	Taken off list	3
	Deceased donor transplant	2
	Died on list	1
	Active end of year	4

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