



SECTION 12

Organ Waiting List

SUMMARY

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.

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Waiting List Dynamics

There are some important caveats to consider when interpreting the waiting list data presented in this report.

Firstly, waiting list data is not necessarily a good indicator of actual demand for transplantation. Due to the limited availability of organs for transplantations not all people with end stage organ disease are able to be treated with transplantation and therefore each organ waiting list employs criteria for listing in order to prioritise the use of organs.

There are many rules guiding eligibility for transplantation, for example, listing on the kidney transplant waiting list requires an 80% expected survival at 5 years post transplantation. For further information please see the organ transplantation from deceased donor consensus statement on eligibility criteria and allocation protocols. (www.tsanz.com.au/organallocationprotocols/index.asp).

Secondly, the reasons for removal from the waiting list also vary. In some cases, an individual may pass away before receiving an organ. 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 of transplantation outweigh benefits. 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. For organs that have criteria for urgent transplant (i.e. liver, heart, lung) patients may be placed on the waiting list and removed very quickly and therefore annual census numbers do not represent the activity and readers should refer to the “made active” number to get an idea of overall activity.

The figures in the tables refer to the lists at 1 January and 31 December of each year.

In the tables presented in this chapter, the rows describe:

- Number on the active list at the beginning of each year
- Number added to the active list during the year
- Number removed from the active list during the year
- Number of deceased donor (DD) transplants to people on the waiting list
- Number of living donor (LD) transplants to people on the waiting list
- Number of transplants performed outside Australia / New Zealand to people on the waiting list
- Number who died while on the active waiting list

Number on the active waiting list at the end of the year

Kidney Waiting List

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 (DD) kidney waiting lists may receive a kidney from a living donor (LD), though the majority of living kidney donor recipients are not on 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 deceased donor transplant taking place. These two groups are illustrated separately.

Data is currently only available for Australia. Negotiations are continuing to also include New Zealand data in future reports.

Further material is available in the ANZDATA Annual Report at www.anzdata.org.au

Table 12.1

Deceased Donor Kidney Waiting List -Stock and Flow, 2010 - 2016								
	Event	2010	2011	2012	2013	2014	2015	2016
Australia	Active start of year	1266	1185	1089	1078	1077	1145	1072
	Made active	630	708	747	779	854	768	827
	Taken off list	149	199	154	141	148	156	136
	DD graft	499	532	553	581	573	633	760
	LD graft	58	62	45	54	56	42	37
	Overseas graft	1	2	0	1	0	2	?
	Died on list	4	9	6	3	9	8	8
	Active end of year	1185	1089	1078	1077	1145	1072	957

Data may differ to that previously published as data is updated in subsequent years in NOMS and ANZDATA

Liver Waiting List

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/>.

Table 12.2

Deceased Donor Liver Waiting List Activity, 2013-2016					
Country	Event	2013	2014	2015	2016
Australia	Active start of year	165	145	186	186
	Made active	317	347	335	337
	Taken off list	66	55	52	73
	DD graft	248	234	265	312
	Died on List	24	16	18	8
	Active end of year	145	186	186	130
New Zealand	Active start of year	21	19	21	24
	Made active	43	56	61	70
	Taken off list	5	14	7	11
	DD graft	31	38	45	55
	Died on list	5	2	3	4
	Active end of year	19	18	27	24

Cardiothoracic Organ Waiting List

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 waiting list data. Further material for each organ is available in the ANZCOTR Annual Report at <http://www.anzcotr.org.au/>.

Heart

Table 12.3

Deceased Donor Heart Waiting List Activity, 2010 - 2016								
	Event	2010	2011	2012	2013	2014	2015	2016
Australia	Active start of year	45	46	65	64	48	60	44
	Made active	89	107	92	91	127	98	142
	Taken off list	15	16	13	19	32	15	13
	DD graft	65	65	73	77	78	93	124
	LD graft	0	0	0	0	0	0	1
	Died on list	8	7	7	11	5	5	4
	Active end of year	46	65	64	48	60	44	44
	Active start of year	7	11	13	14	10	8	13
	Made active	19	20	19	18	18	19	18
	Taken off list	4	5	5	9	3	4	4
New Zealand	DD graft	11	11	12	9	17	10	11
	LD graft	0	0	0	0	0	0	0
	Died on list	0	2	1	4	0	0	2
	Active end of year	11	13	14	10	8	13	14

Lung

Table 12.4

Deceased Donor Lung Waiting List Activity, 2010 - 2016								
	Event	2010	2011	2012	2013	2014	2015	2016
Australia	Active start of year	102	116	99	94	96	111	85
	Made active	167	182	171	206	223	211	234
	Taken off list	13	24	11	23	29	33	13
	DD graft	126	162	149	169	166	195	124
	Died on list	14	13	11	13	14	9	11
	Active end of year	116	99	99	95	110	85	77
	New Zealand	Active start of year	6	8	13	13	13	13
Made active		17	17	24	21	18	19	24
Taken off list		3	2	9	1	0	4	2
DD graft		9	10	12	19	17	23	17
Died on list		3	0	4	1	1	0	2
Active end of year		8	13	13	13	13	5	8

Pancreas Waiting List

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 (ANZPITR). It includes both people waiting for a combined kidney-pancreas transplant (the majority) and those waiting for a pancreas transplant alone. It does not include people waiting for pancreas islet cell transplants.

Table 12.5

Deceased Donor Pancreas Transplant Waiting List Activity, 2014 - 2016				
Country	Event	2014	2015	2016
Australia	Active start of year	63	59	88
	Made active	38	42	69
	Taken off list	14	12	24
	DD graft	43	45	51
	Died on List	4	4	4
	Active end of year	59	40	81
New Zealand	Active start of year	7	4	4
	Made active	3	4	7
	Taken off list	3	1	3
	DD graft	2	3	4
	Died on list	1	0	0
	Active end of year	4	4	4

Intestine

Data for the intestine transplant waiting list is derived from data supplied by hospitals to the Australian and New Zealand Liver Transplant Registry. It includes both people waiting for a combined organ and intestine transplant (the majority) and those waiting for an intestine only transplant.

Data included in this report is on 2016 activity only.

Table 12.6

Deceased Donor Intestine Waiting List Activity, 2016		
Country	Event	2016
Australia	Active start of year	5
	Made active	0
	Taken off list	0
	DD graft	1
	Died on List	0
	Active end of year	4

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