



# Chapter 8

## ***Organ Donation Outcome Data Australia and New Zealand***



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



This chapter summarises the outcomes for the solid organ transplants performed in Australia and New Zealand and graft survival at 1 and 5 years.

For each organ, the concept of graft survival is similar: sufficient organ function to maintain life without other organ replacement therapy. Thus the endpoints for graft survival analyses are death or re-transplantation of organs. For kidneys, return to dialysis also indicates a loss of graft function, and for pancreas transplant the recommencement of insulin therapy.

Further information is available for each organ at the websites of the relevant transplant outcome registries ([www.anzdata.org.au](http://www.anzdata.org.au); [www.anzltr.org](http://www.anzltr.org); [www.anzcofr.org.au](http://www.anzcofr.org.au); [www.anziptr.org](http://www.anziptr.org)).

## Kidney Graft Survival

Table 8.1 refer to recipients of primary kidney-only transplants from deceased donors and shows the proportion of grafts functioning at 1 and 5 years, calculated using the Kaplan-Meier method. Graft survival is not censored for death and is unadjusted.

**Table 8.1**

Kidney Graft Survival, All Grafts by Era				
Organ transplant type	Era	n	1 year % (95% CI)	5 year % (95% CI)
<b>Kidney transplant (Australia) <sup>1</sup></b>	2006-2007	593	92 (89,94)	81 (77, 84)
	2008-2009	767	93 (91,95)	81 (78, 84)
	2010-2011	989	95 (93,96)	-
	2012-2013	1098	95 (93,96)	-
<b>Kidney transplant (New Zealand) <sup>1</sup></b>	2006-2007	95	89 (81,94)	77 (67,84)
	2008-2009	95	97 (91,99)	87 (79,93)
	2010-2011	103	94 (87,97)	-
	2012-2013	104	97 (90, 99)	-

1. Source Australia and New Zealand Dialysis and Transplant Registry (ANZDATA) [www.anzdata.org.au](http://www.anzdata.org.au)



# Outcome Data

## Cardiothoracic Graft Survival

Table 8.2 refers to all heart and lung transplants in Australia and New Zealand respectively, at 1 and 5 year survival post transplant for an era.

Table 8.2

Cardiothoracic Graft Survival, All Grafts by Era				
Organ transplant type	Era	n	1 year %	5 year %
Heart transplant (Australia) <sup>2</sup>	2009	60	88.3	83.3
	2010	65	87.7	78.1
	2011	65	84.6	81.3
	2012	73	87.7	-
Heart transplant (New Zealand) <sup>2</sup>	2009	11	90.9	90.9
	2010	11	81.8	72.7
	2011	11	90.9	81.8
	2012	12	91.7	-
Lung transplant (Australia) <sup>2</sup>	2009	122	91	68.9
	2010	126	96.8	63
	2011	162	89.5	70.8
	2012	149	87.2	-
Lung transplant (New Zealand) <sup>2</sup>	2009	8	75	62.5
	2010	9	100	66.7
	2011	10	100	87.5
	2012	12	58.3	-

2. Source Australia and New Zealand Cardiothoracic Organ Transplant Registry (ANZCOTR) [www.anzcotr.org.au](http://www.anzcotr.org.au)



## Liver Graft Survival

Table 8.3 refers to all primary liver transplants performed for an era, in Australia and New Zealand combined.

**Table 8.3**

Liver Graft Survival, All Grafts by Era				
Organ transplant type	Era	n	1 year %	5 year %
Liver transplant (Australia and New Zealand) <sup>3</sup>	1995-1999	759	81	73
	2000-2004	915	88	79
	2005-2009	1032	90	80
	2010-2014	1331	91	83

3. Source Australia and New Zealand Liver Transplant Registry (ANZLTR) - [www.anzltr.org.au](http://www.anzltr.org.au)

## Pancreas Graft Survival

Table 8.4 shows pancreas survival (pancreas component of combined kidney-pancreas transplants) censored for death and includes all pancreas transplants performed for an era, in Australia and New Zealand combined.

**Table 8.4**

Pancreas Graft Survival, All Grafts by Era				
Organ transplant type	Era	n	1 year %	5 year %
Pancreas transplant (Australia and New Zealand) <sup>4</sup>	1984-1999	151	80.5	74
	2005-2014	336	91.5	87.3

4. Source Australia and New Zealand Islets and Pancreas Transplant Registry (ANZIPTTR) - <http://anziptr.org/>