

## **Chapter 8**

# ***Organ Donation Outcome Data***



***in Australia and New Zealand***



This chapter summarises the outcomes for the solid organ transplants performed in Australia.

This information is supplied by the various transplant outcome registries, and reflects the outcomes of transplants performed across Australia and New Zealand.

For the first time this year, the various time points have been standardised, and graft survival is presented 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 for all organs. For kidneys, return to dialysis also indicates a loss of graft function, and for pancreas transplant the recommencement of insulin therapy. The table shows the proportion of grafts functioning at 1 and 5 years, calculated using the Kaplan-Meier method.

Considerable further information is available for each organ at the websites of the relevant outcome Registry ([anzdata.org.au](http://anzdata.org.au); [anzltr.org](http://anzltr.org); [anzcotr.org.au](http://anzcotr.org.au)).

**Figure 8.1**

<b>Graft Survival</b>		
<b>Organ</b>	<b>1 year</b>	<b>5 year</b>
<b>Liver transplants<sup>1</sup></b>	0.90	0.81
<b>Pancreas transplant survival<sup>2</sup></b>	0.89	0.85
<b>Heart transplants<sup>3</sup></b>	0.87	0.82
<b>Lung transplants<sup>3</sup></b>	0.92	0.64
<b>Combined Heart/Lung transplant<sup>3</sup></b>	0.71	0.64
<b>Deceased donor Kidney (Australia)<sup>4</sup></b>	0.93	0.81
<b>Deceased donor Kidney (NZ)<sup>4</sup></b>	0.93	0.79

1. All primary liver transplants, Australia and New Zealand. Courtesy of Australia and New Zealand Liver Transplant Registry. 1-year survival figures include grafts 2007-12; five year survival figures include grafts 2003-12. [www.anzltr.org](http://www.anzltr.org)
2. Pancreas survival (pancreas component of combined kidney-pancreas transplants). All pancreata, Australia and NZ. Figures include all pancreas transplants performed 2003-12. Courtesy of Australia and New Zealand Pancreas Transplant Registry. (based at National Pancreas Transplant Unit, Westmead Hospital, Sydney).
3. Heart and lung and heart/lung combined figures, Australia only. Courtesy of Australia and New Zealand Cardiothoracic Organ Transplant Registry. 1-year survival figures include grafts 2007-12; five year survival figures include grafts 2003-12. [www.anzcotr.org.au](http://www.anzcotr.org.au)
4. Kidney figures refer to recipients of kidney-only transplants from deceased donors. Courtesy of Australia and New Zealand Dialysis and Transplant Registry. 1-year survival figures include grafts 2006-11; five year survival figures include grafts 2002-11. [www.anzdata.org.au](http://www.anzdata.org.au)