



**ANZ
DATA**

**AUSTRALIA &
NEW ZEALAND
DIALYSIS & TRANSPLANT
REGISTRY**

The Australia and New Zealand Dialysis and Transplant Registry (ANZDATA) records the incidence, prevalence and outcomes of dialysis and transplant treatment for patients with end-stage kidney disease

COLLECTS

- Data on chronic dialysis and transplantation
- Indicators of clinical process
- Outcome Data

REPORTS

- Outcome of treatment
- Individual Hospital activity
- Australian and New Zealand data

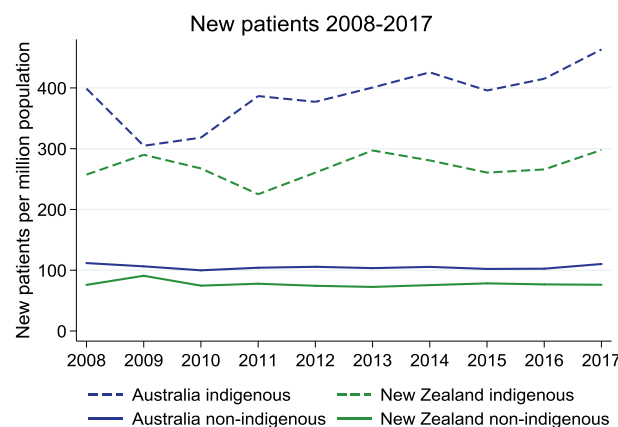
PROVIDES

For widespread use of its data for Quality Assurance, Audits, Surveys, Service Planning and Research Projects

2018 Summary - data to 31 December 2017

INTRODUCTION

This brochure provides an introduction to ANZDATA and includes data collected to the end of 2017 and reported in the 2018 Annual Report. The ANZDATA Registry collects information on renal replacement therapy (dialysis and transplantation) for end-stage kidney disease in Australia and New Zealand. Much more information can be found at our website, including our Annual Report, data forms and dictionaries, list of publications and guidelines for requesting data.



NEW PATIENTS

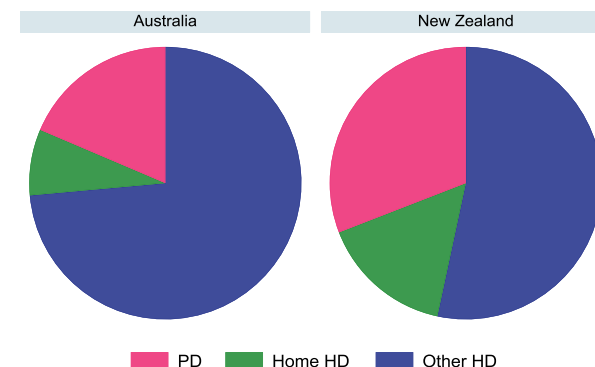
There were 3056 patients who commenced treatment for end-stage kidney disease in Australia in 2017, a rate of 124 per million population. In New Zealand, the number of new patients commencing renal replacement treatment was 615, a rate of 128 per million of population. Rates of treated end-stage kidney disease are substantially higher in Indigenous than non-Indigenous populations in both Australia and New Zealand.

PREVALENT PATIENTS

Australia Total	24,738 (1006)
No. Functioning Transplants	11,687 (475)
No. Dialysis Patients	13,051 (531)
Proportion Home Haemodialysis	8%
Proportion Facility Haemodialysis	74%
Proportion Peritoneal Dialysis	19%
New Zealand Total	4,658 (972)
No. Functioning Transplants	1,890 (394)
No. Dialysis Patients	2,768 (577)
Proportion Home Haemodialysis	16%
Proportion Facility Haemodialysis	53%
Proportion Peritoneal Dialysis	31%

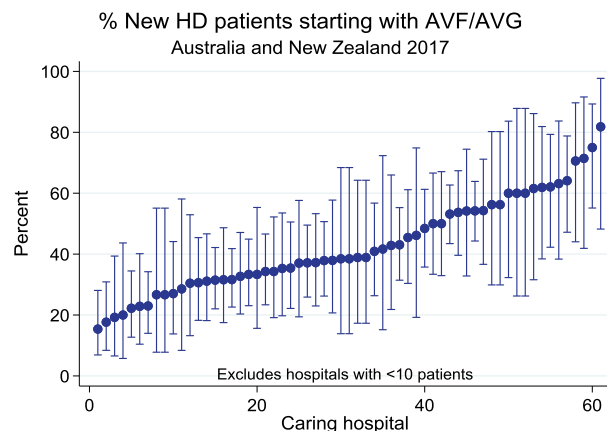
At the end of 2017 there were almost 25,000 patients receiving renal replacement therapy in Australia and around 4,700 in NZ.

Dialysis modality by country
31 December 2017

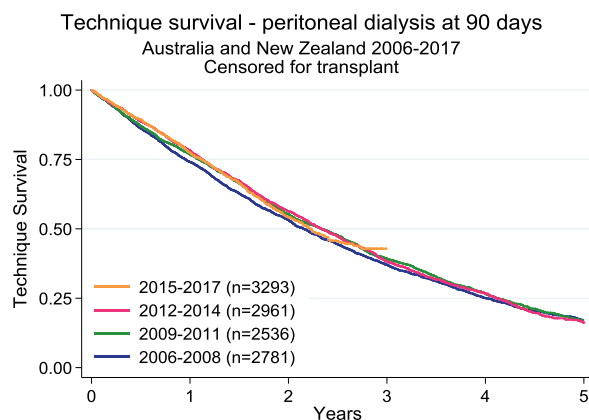


Australia and New Zealand have a strong focus on home dialysis, with 26% of Australian and 47% of New Zealand dialysis patients receiving dialysis at home.

DIALYSIS

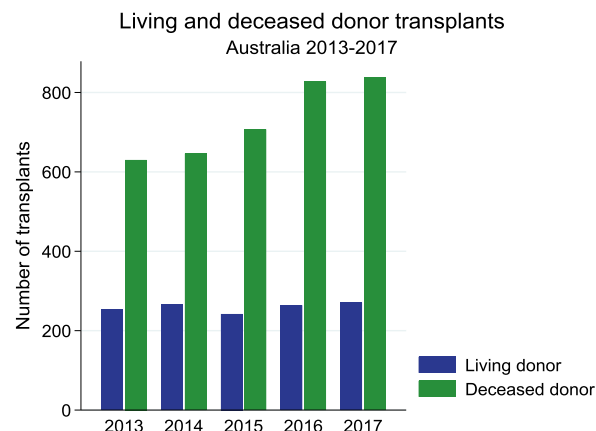


ANZDATA has been reporting real-time and annual “key process indicators” (KPIs) for haemodialysis (HD) and peritoneal dialysis (PD) since 2011. At present for HD we report the proportion of new patients starting HD with a fistula or graft. There is a large variation between treating hospitals.

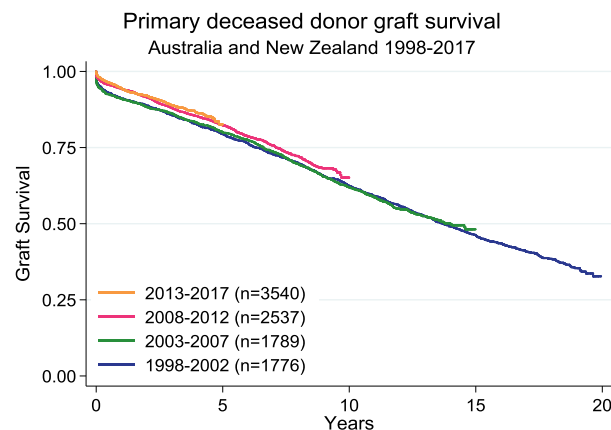


A relatively large proportion of dialysis patients in Australia and New Zealand use PD. The main reasons for technique failure are death, infective complications and inadequate dialysis.

TRANSPLANTATION



The majority of kidney transplants performed in Australia are from deceased donors. In recent years there has been a large increase in the deceased donor rate. The living donor rate has been relatively stable over 2013 to 2017.



Transplant outcomes in Australia and New Zealand are excellent and getting even better over time. In the above graph, graft failure includes both death and loss of function.

PUBLICATIONS

ANZDATA is the source of a large number of scientific and other publications. Some selected recent publications are listed here.

Comparing dialysis centre mortality outcomes across Australia and New Zealand: identifying unusually performing centres 2008-2013. Kasza J et al, BMC Health Serv Res. 2018 Dec 29.

The impact of donor/recipient age difference and HLA mismatch on graft outcome in pediatric kidney transplantation. Trnka P et al. Pediatric Transplantation, 2018 Nov.

Everolimus and Long-term Clinical Outcomes in Kidney Transplant Recipients: A Registry-based 10-year Follow-up of Five Randomized Trials. Ying T et al. Transplantation. 2018 Oct 26.

Kidney transplant graft outcomes in 379 257 recipients on 3 continents. Merion RM et al. Am J Transplant. 2018 Aug.

Challenges of kidney paired donation transplants involving multiple donor and recipient surgeons across Australia. Allen RDM et al. ANZ J Surg. 2018 Mar.

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