

ANZDATA session

ANZSN-ASM 2017

Matthew Jose

Andy Salmon (NZ)

Matthew Sypek

Carmel Hawley

ANZDATA Overview

Patient-reported Outcomes

Transplant wait listing and
organ utilisation

Examination of centre-effects
using ANZDATA registry

ANZDATA Working Groups: Advanced trainee membership 2017

- ▶ Paediatrics - Jean Koh
- ▶ PROMs - Nicole Lioufas
- ▶ Indigenous Health - no nomination
- ▶ HD - Emily See
- ▶ PD - Jenny Chen
- ▶ Transplant - Eric Au

4 Female: 1 Male

ANZDATA Working Group Chairs

- ▶ Paediatrics - Amelia Le Page
- ▶ PROMs - Rachael Morton
- ▶ Indigenous Health - Jaqui Hughes (Aust) & Suetonia Palmer (NZ)
- ▶ HD - Matthew Roberts
- ▶ PD - Neil Boudville
- ▶ Transplant - Wai Lim

4 Female: 3 Male

ANZDATA overview

Matthew D. Jose

Chair, ANZDATA Steering Committee

Professor of Medicine, University of Tasmania

Renal Physician, Royal Hobart Hospital



Stock and Flow

- ▶ Last full-year's data = 2015 calendar year
- ▶ Datalock for 2016 data expected in November 2017

RRT AUS & NZ – 31 Dec 2014



RRT AUS & NZ 2015

3,186 new starts

126

pre-emptive Tx

4.0%

Transplant
11,702

Dialysis
14,852

3,060

new dialysis

96.0%

RRT AUS & NZ 2015

3,186 new starts

126

pre-emptive Tx

979 Tx

from dialysis

3,060

new dialysis

Transplant
11,702

Dialysis
14,852

298

Graft fail

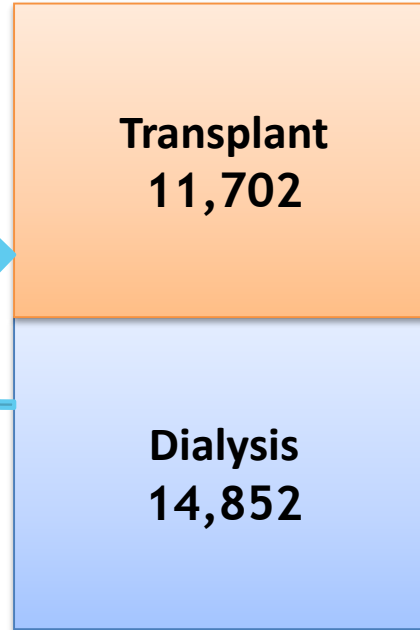
RRT AUS & NZ 2015

3,186 new starts

126
pre-emptive Tx

979 Tx
from dialysis

3,060
new dialysis



2,305 deaths

265
deceased Tx recipients

298
Graft fail

2040
deceased dialysis pts

RRT AUS & NZ 31 Dec 2015

3,186 new starts

126
pre-emptive Tx

979 Tx
from dialysis

3,060
new dialysis

Transplant
12,245
(+4.6%)

Dialysis
15,135
(+2.6%)

RRT 2015
27,380
(+3.3%)

2,305 deaths

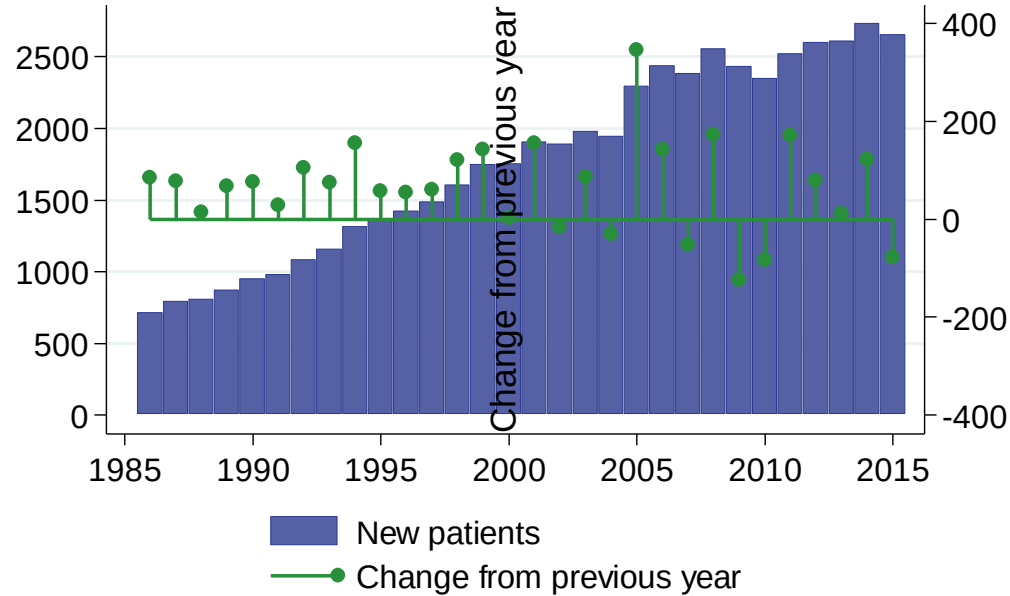
265
deceased Tx recipients

298
Graft fail

2,040
deceased dialysis pts

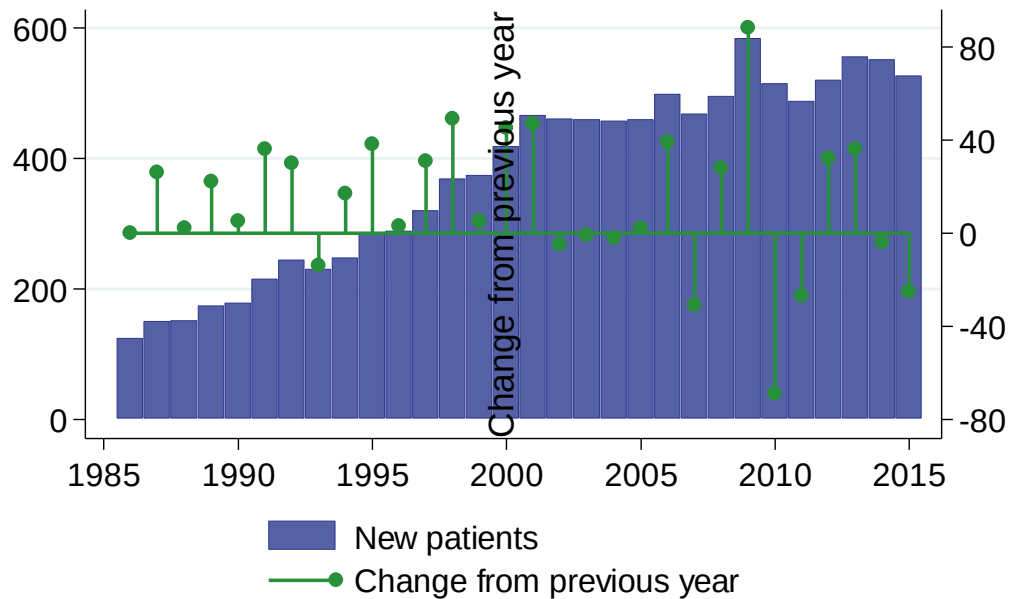
New Patients and Change

Australia



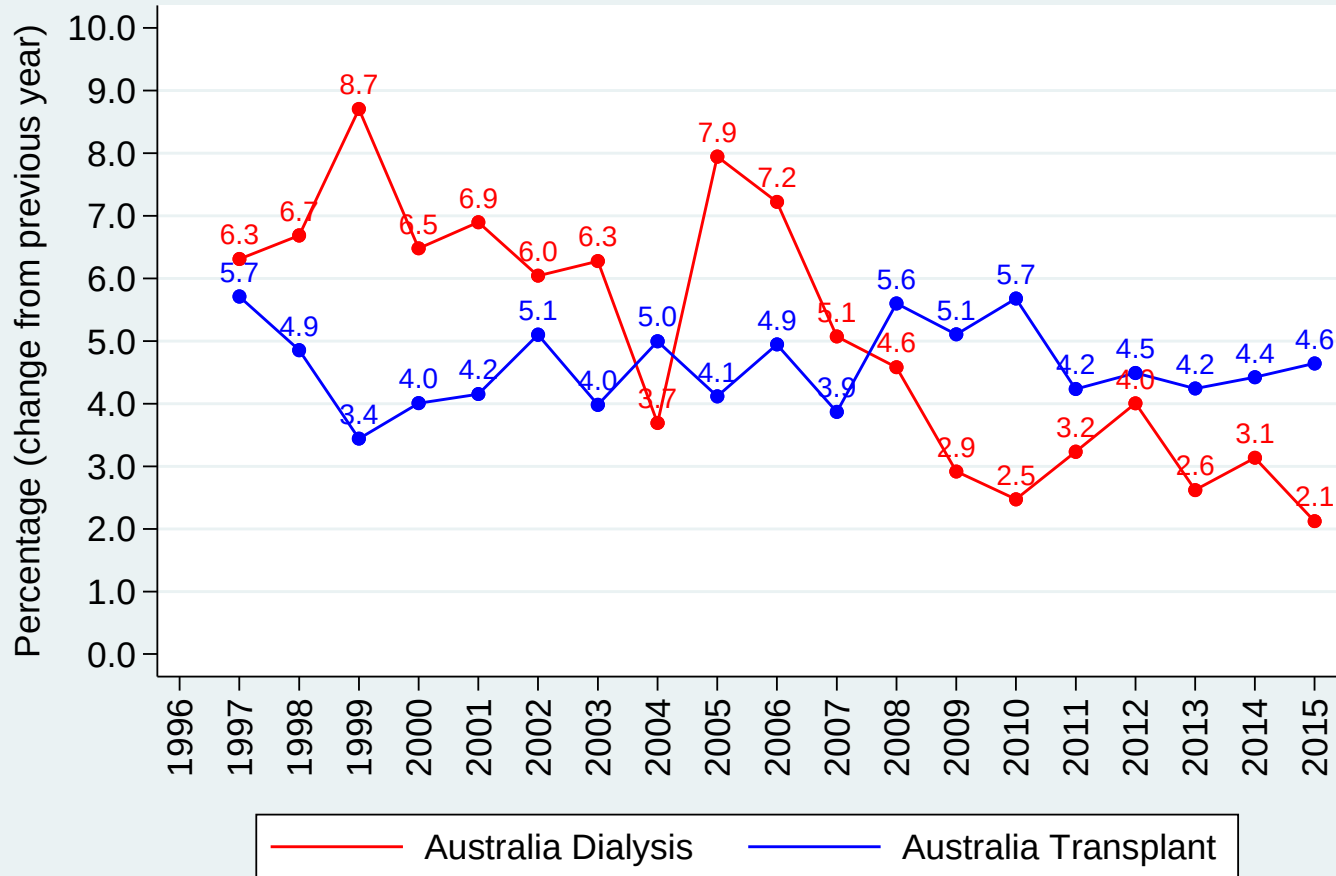
2016 ANZDATA Annual Report, Figure 1.2

New Patients and Change New Zealand

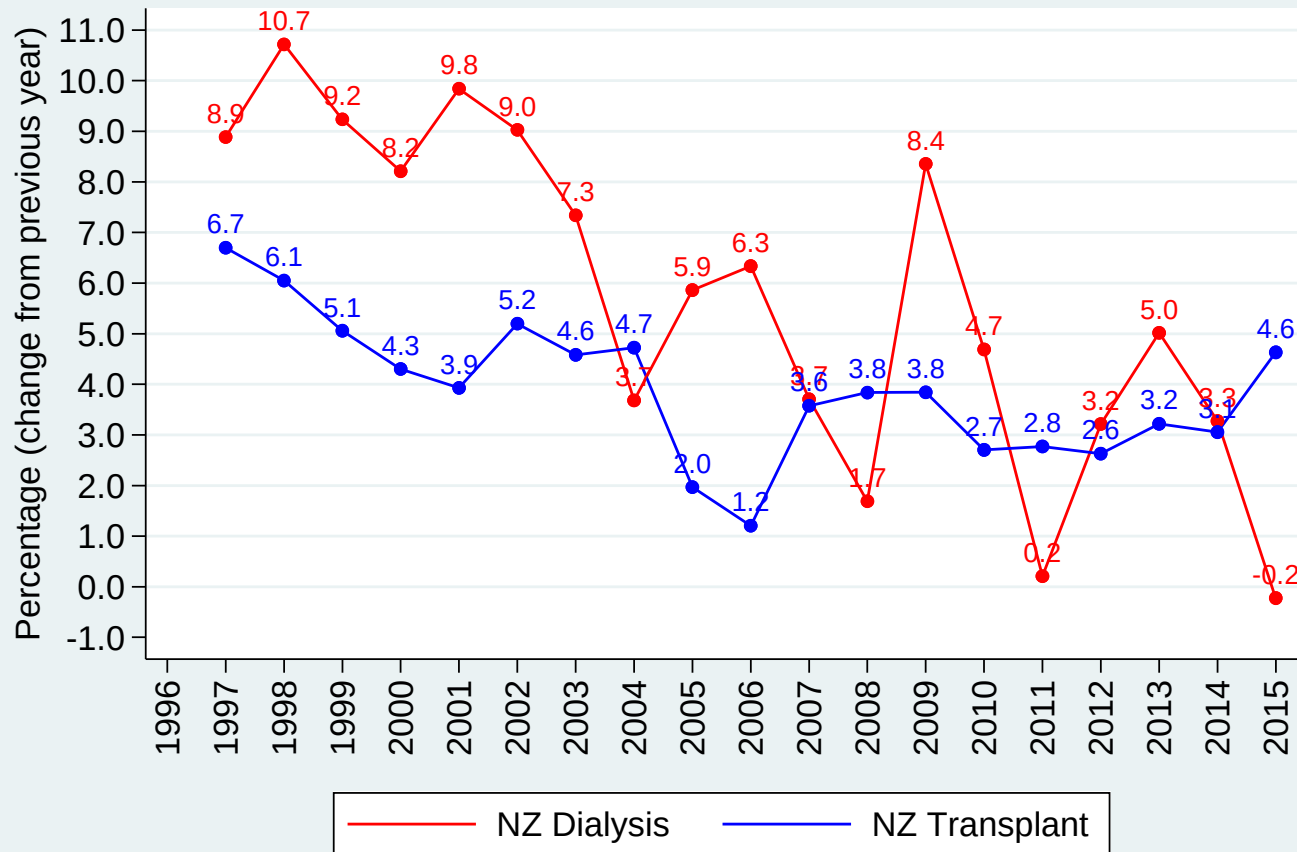


2016 ANZDATA Annual Report, Figure 1.2

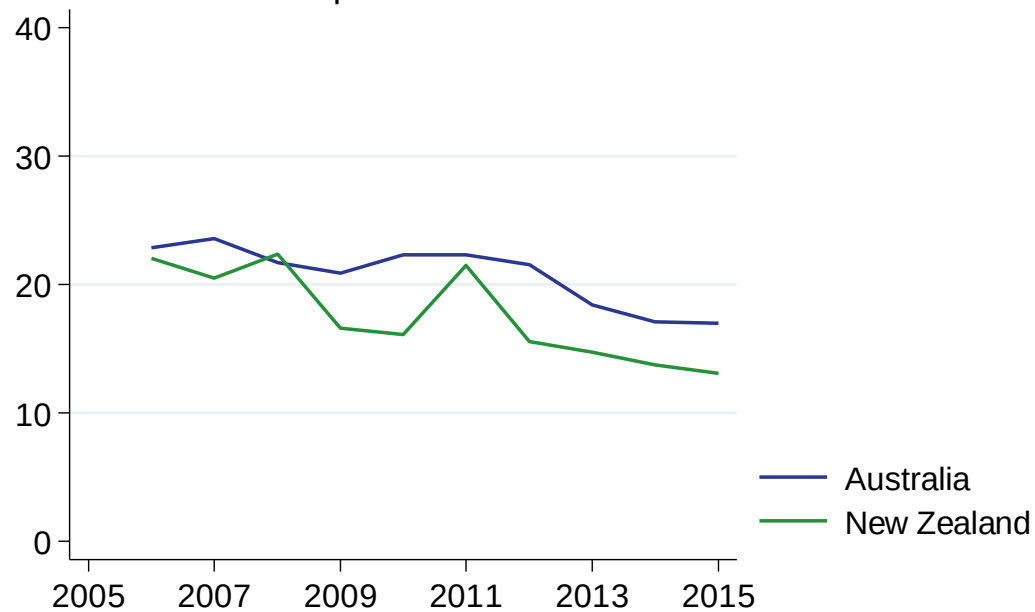
Growth in prevalence: Australia



Growth in prevalence: New Zealand

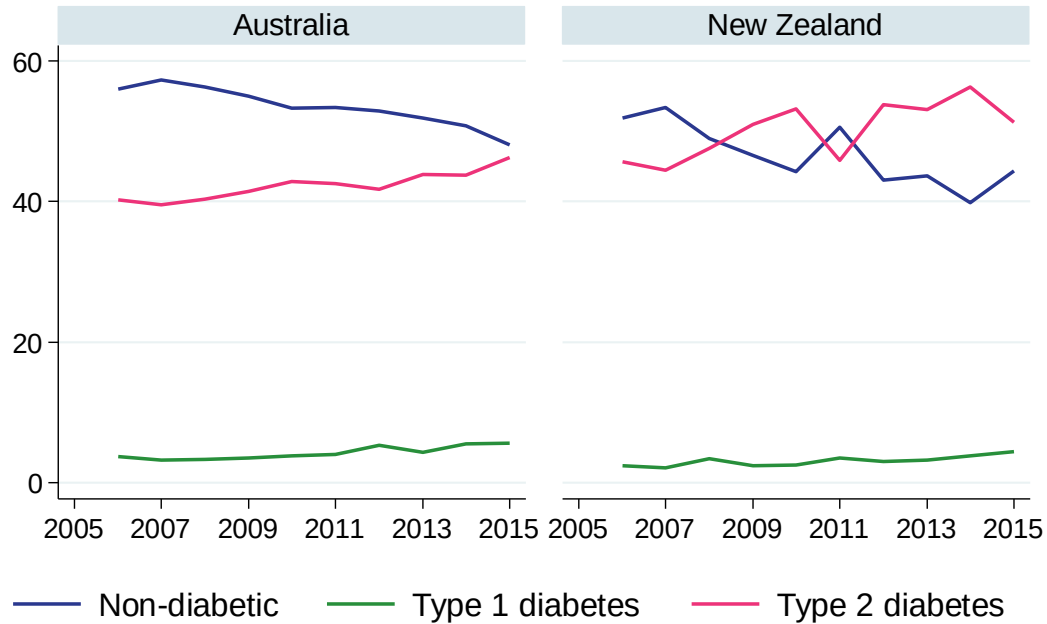


Late referral rates All incident patients 2006 - 2015



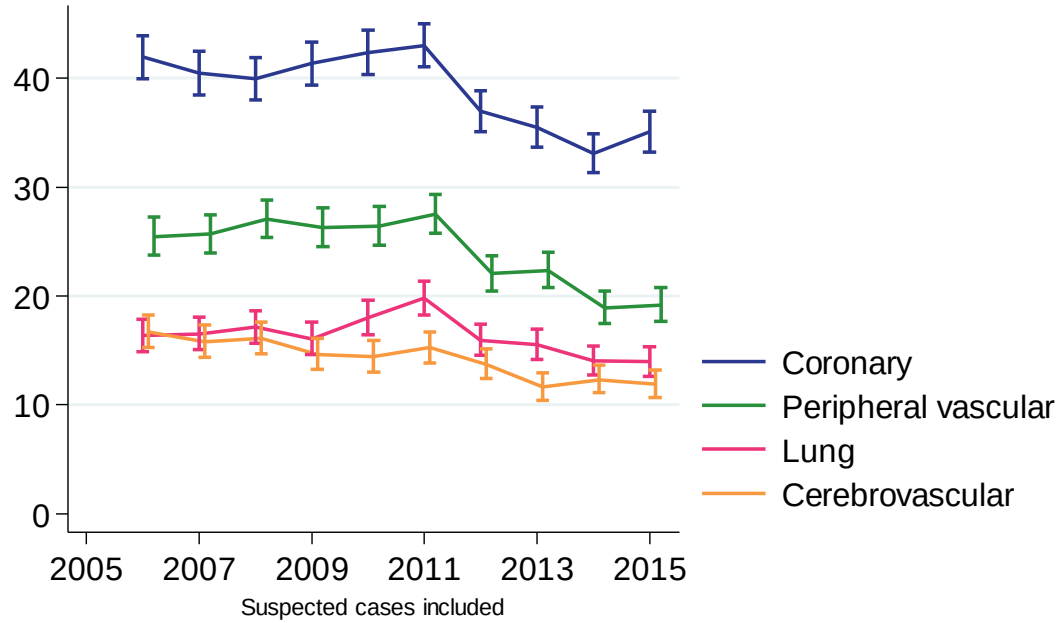
2016 ANZDATA Annual Report, Figure 1.5

Diabetes status at RRT entry



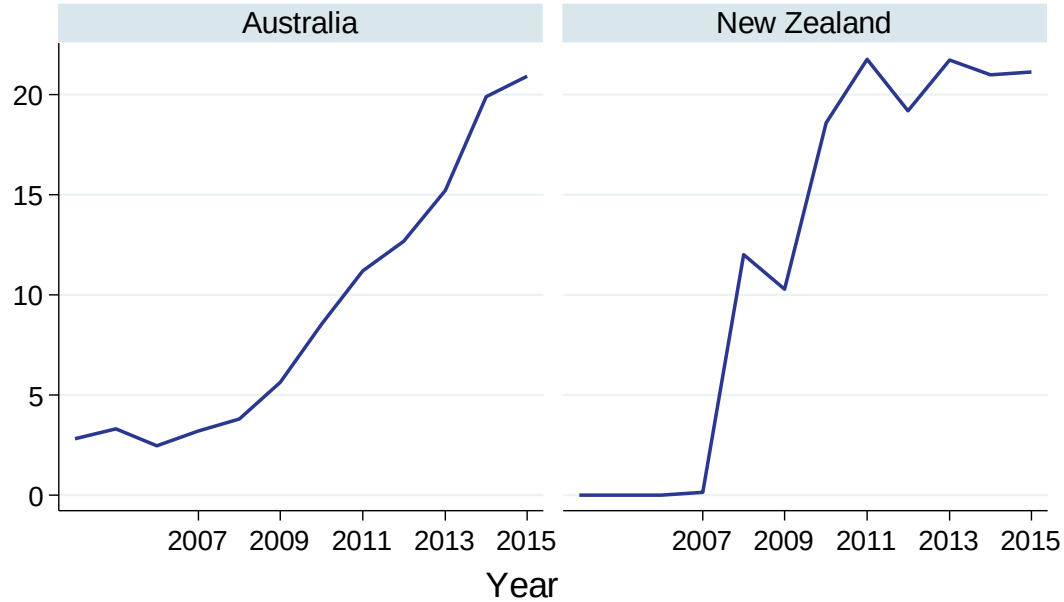
2016 ANZDATA Annual Report, Figure 1.9

Comorbid conditions at RRT entry Australia



2016 ANZDATA Annual Report, Figure 1.8

Use of haemodiafiltration Prevalent haemodialysis patients 2006-2015

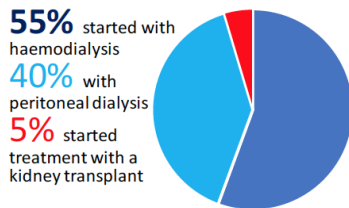


2016 ANZDATA Annual Report, Figure 4.12

New Zealand Chapter

For consumers

Starting treatment for kidney failure in New Zealand



The number of people starting dialysis each year is **staying the same** for **New Zealand European** patients, and continuing to **increase** among **Māori and Pacific** patients



Half of patients starting dialysis have **diabetes**.

One-quarter of patients having a **transplant** have **diabetes**.



A summary of 2015

527 New Zealanders started treatment for end-stage kidney disease in 2015



Patients aged between **65 and 74 years** were the most likely to **start treatment**



1 in 6 patients started dialysis **less than 3 months** after their **first** assessment. *This number is decreasing.*

We wish to acknowledge that this summary is based on information provided by New Zealand patients and kidney units each year to ANZDATA.

Prevalence of dialysis and transplantation New Zealand 1986-2015

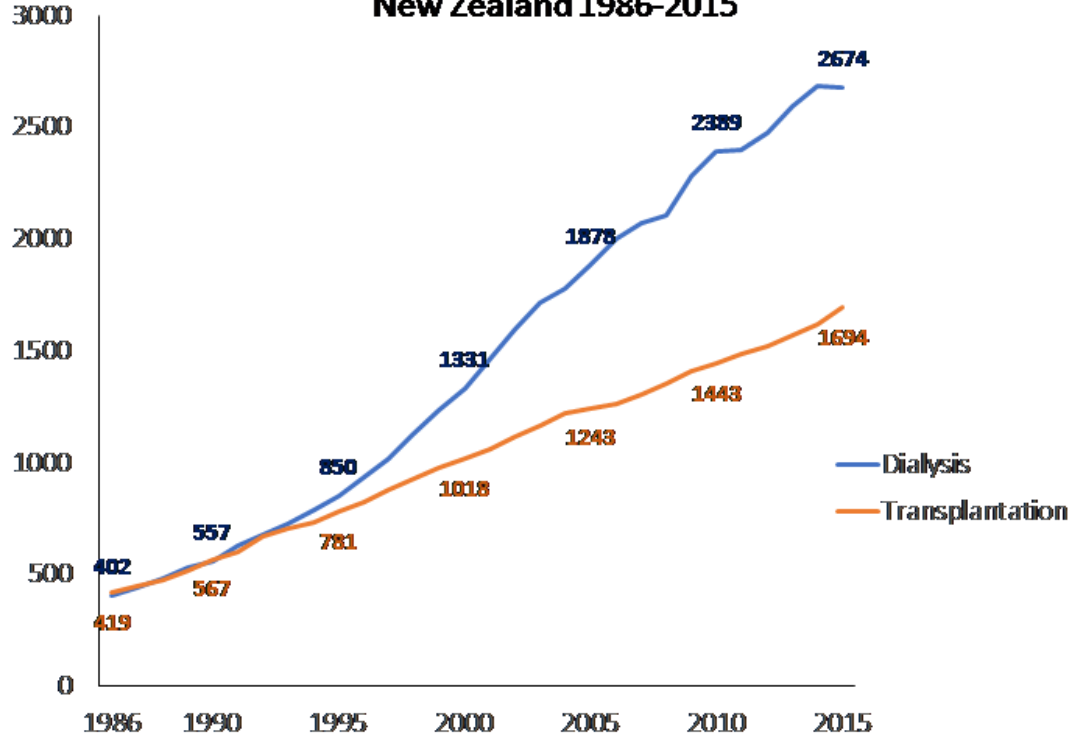
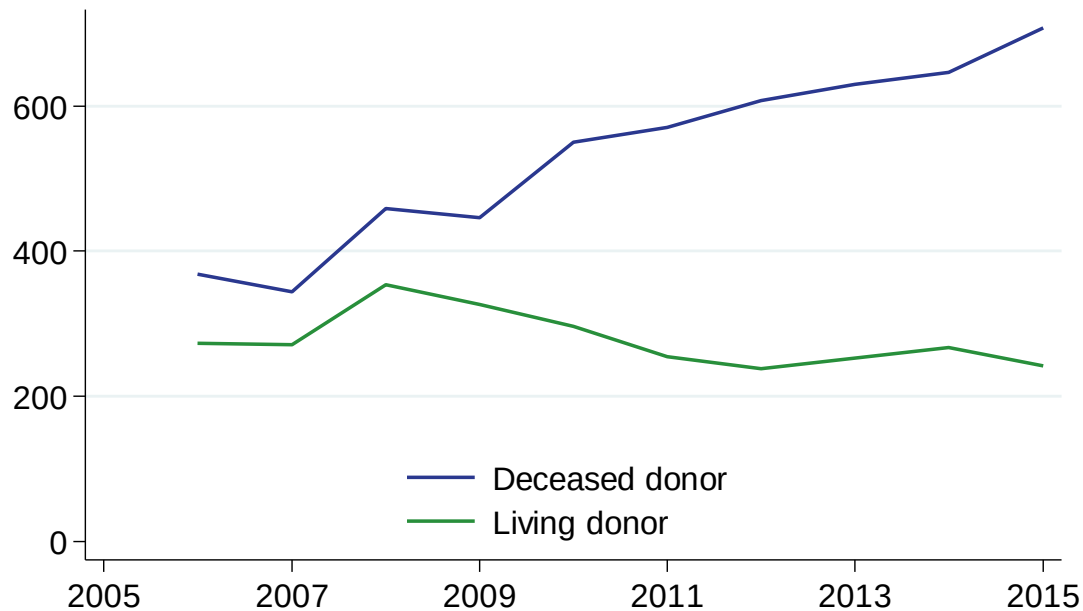


Figure 13.8 Overall number of patients treated with renal replacement therapy in New Zealand

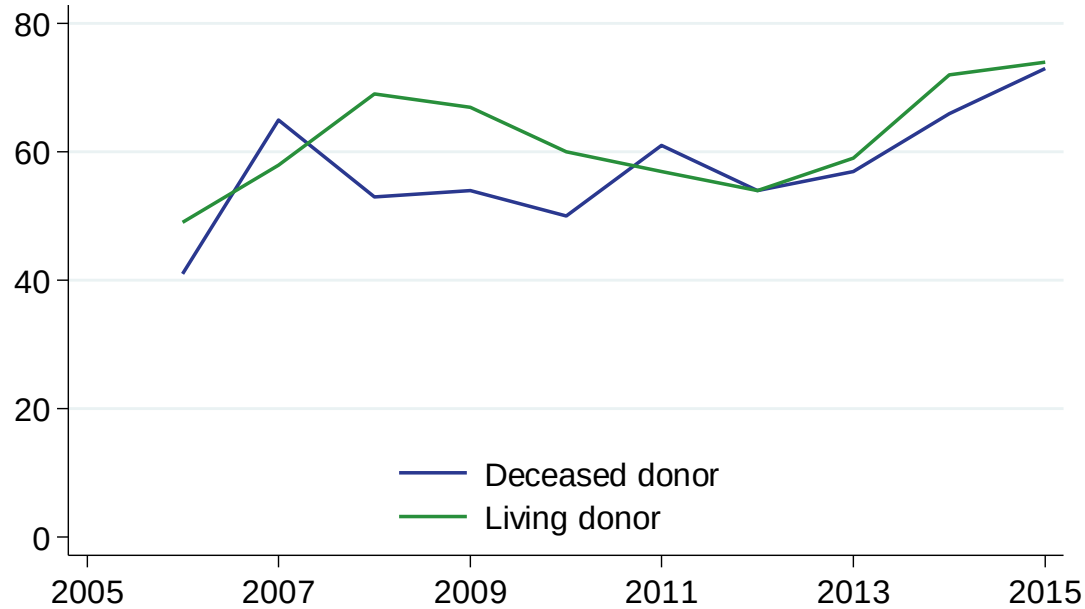
Kidney Transplant

Deceased and Living Donor Transplants Australia 2006-2015



2016 ANZDATA Annual Report, Figure 8.1

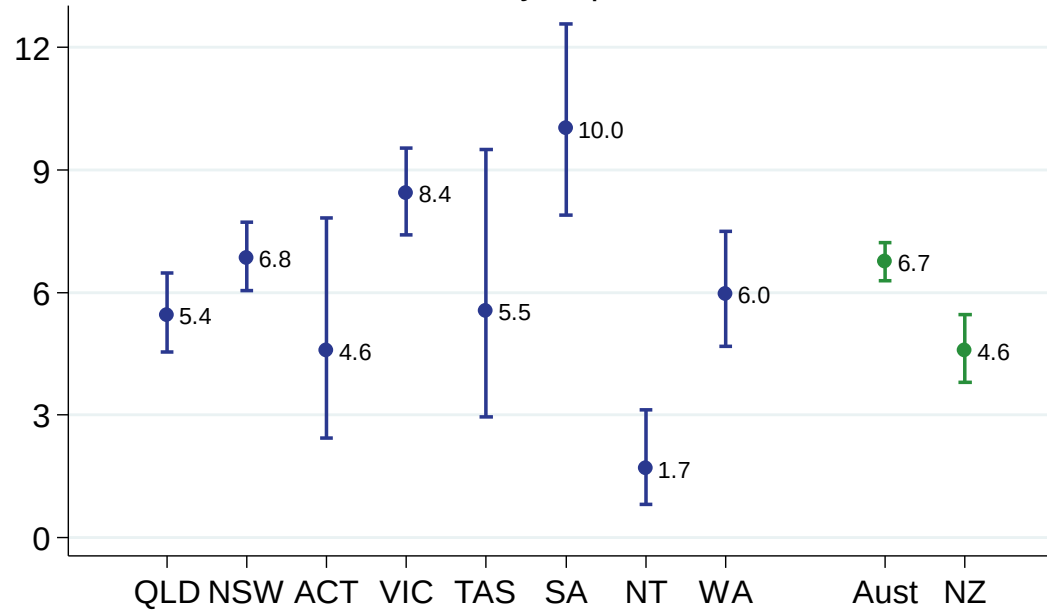
Deceased and Living Donor Transplants New Zealand 2006-2015



2016 ANZDATA Annual Report, Figure 8.1

Transplant rate of dialysed patients 2015

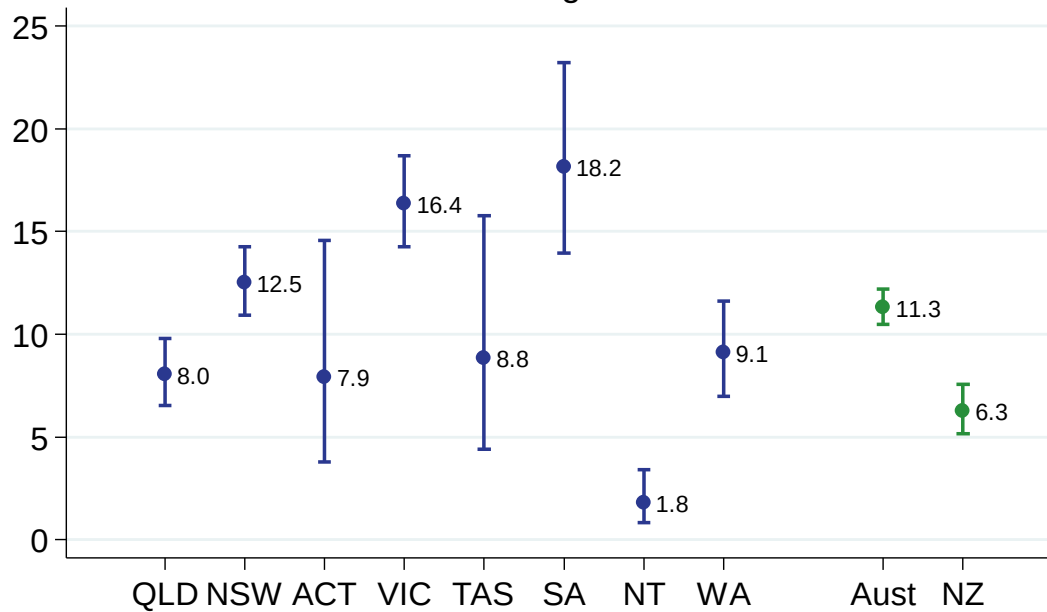
All dialysis patients



2016 ANZDATA Annual Report, Figure 8.2

Transplant rate of dialysed patients 2015

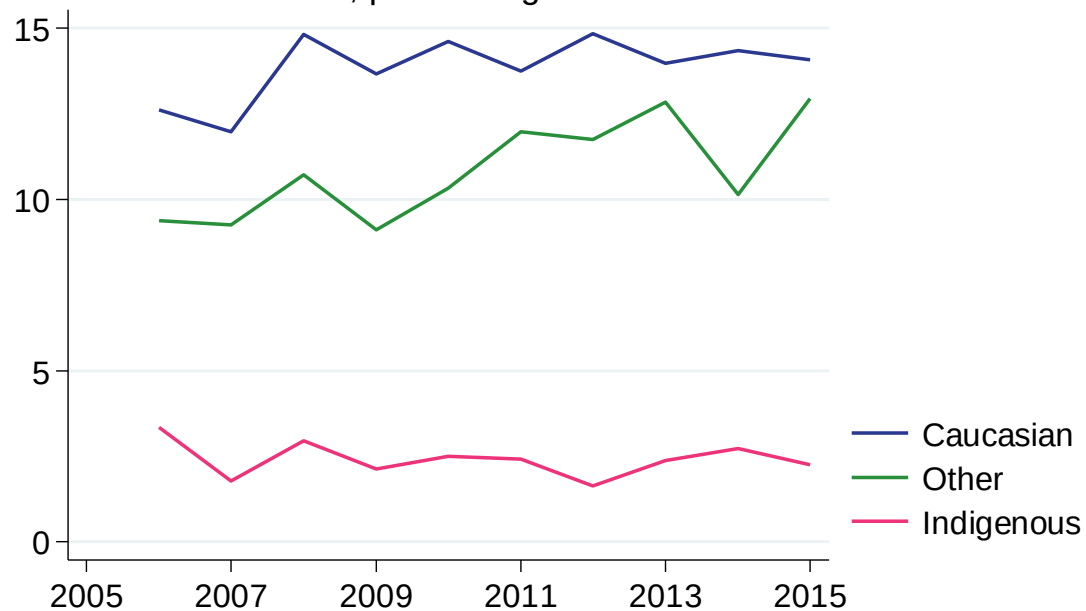
Patients aged 15-64



2016 ANZDATA Annual Report, Figure 8.3

Transplant rate of dialysed patients 2006-2015

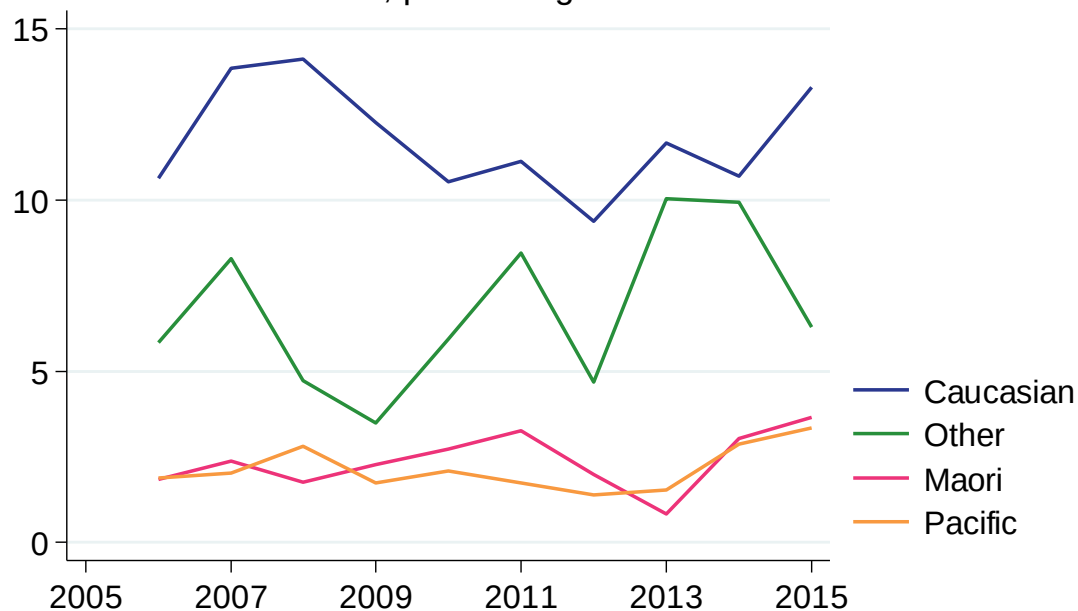
Australia, patients aged 15-64



2016 ANZDATA Annual Report, Figure 8.5

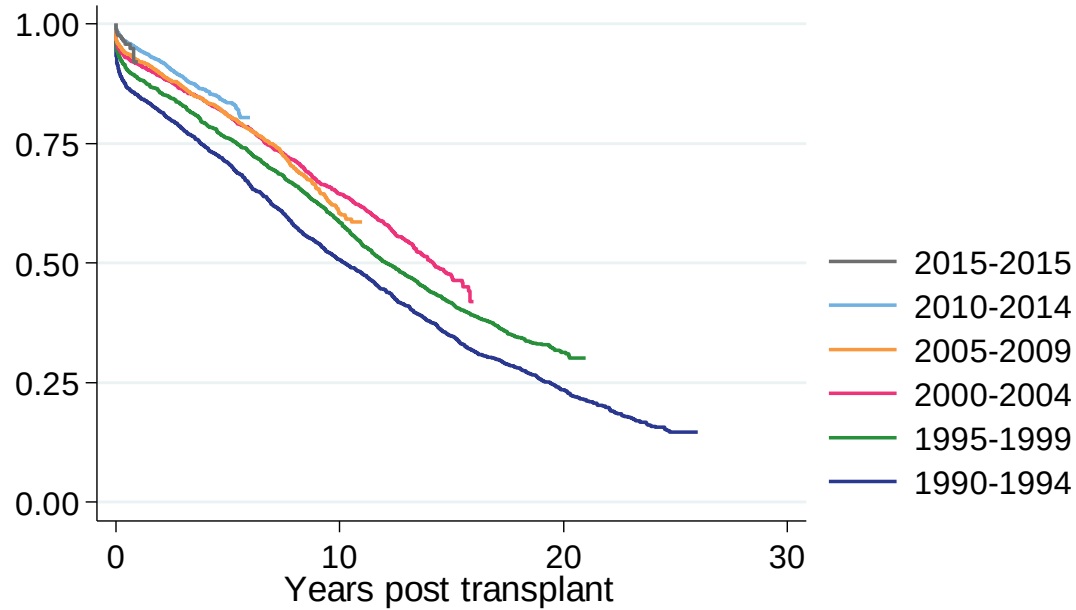
Transplant rate of dialysed patients 2006-2015

New Zealand, patients aged 15-64



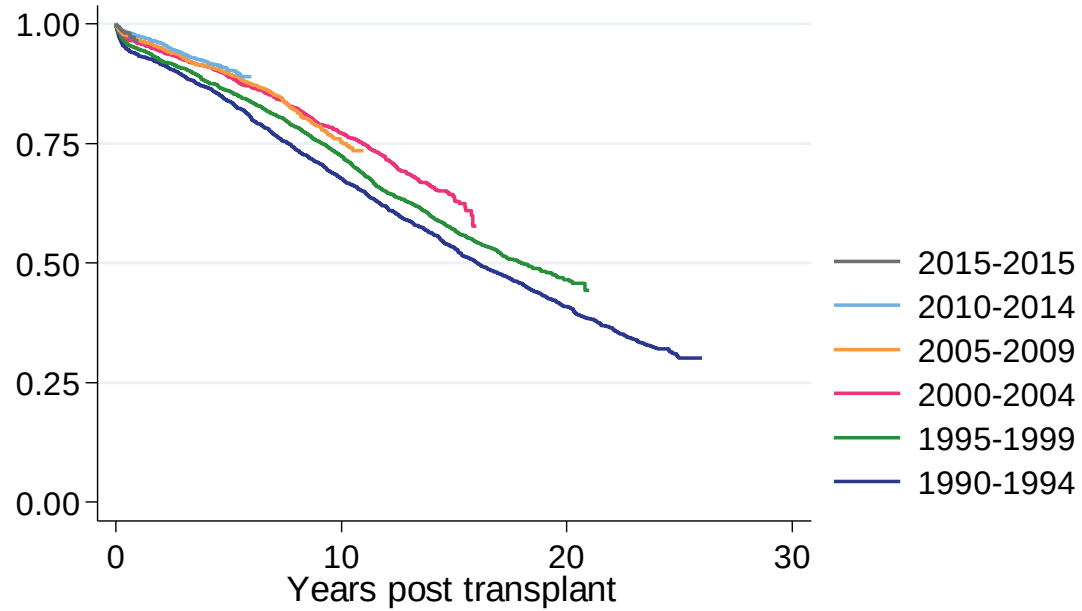
2016 ANZDATA Annual Report, Figure 8.5

Primary deceased donor grafts Graft survival - Australia and New Zealand



2016 ANZDATA Annual Report, Figure 8.18

Primary deceased donor grafts Patient survival - Australia and New Zealand



2016 ANZDATA Annual Report, Figure 8.17

ANZDATA Registry

39th Annual Report

Chapter 10: Cancer Report on Melanoma

Data to 31-Dec-2015

Thanks to: Angela Webster
Germaine Wong
Jonathan Craig
& many members of the Cancer working group

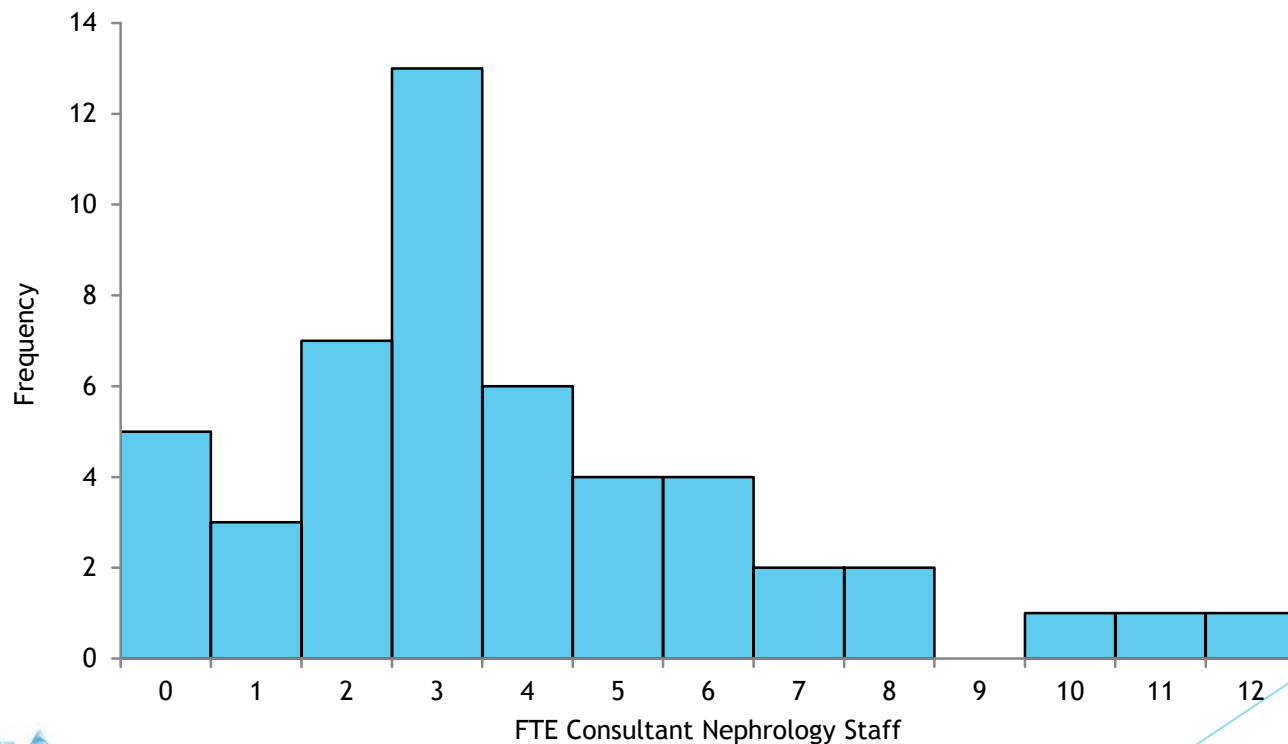
ANZDATA Working Groups: Advanced trainee membership 2017

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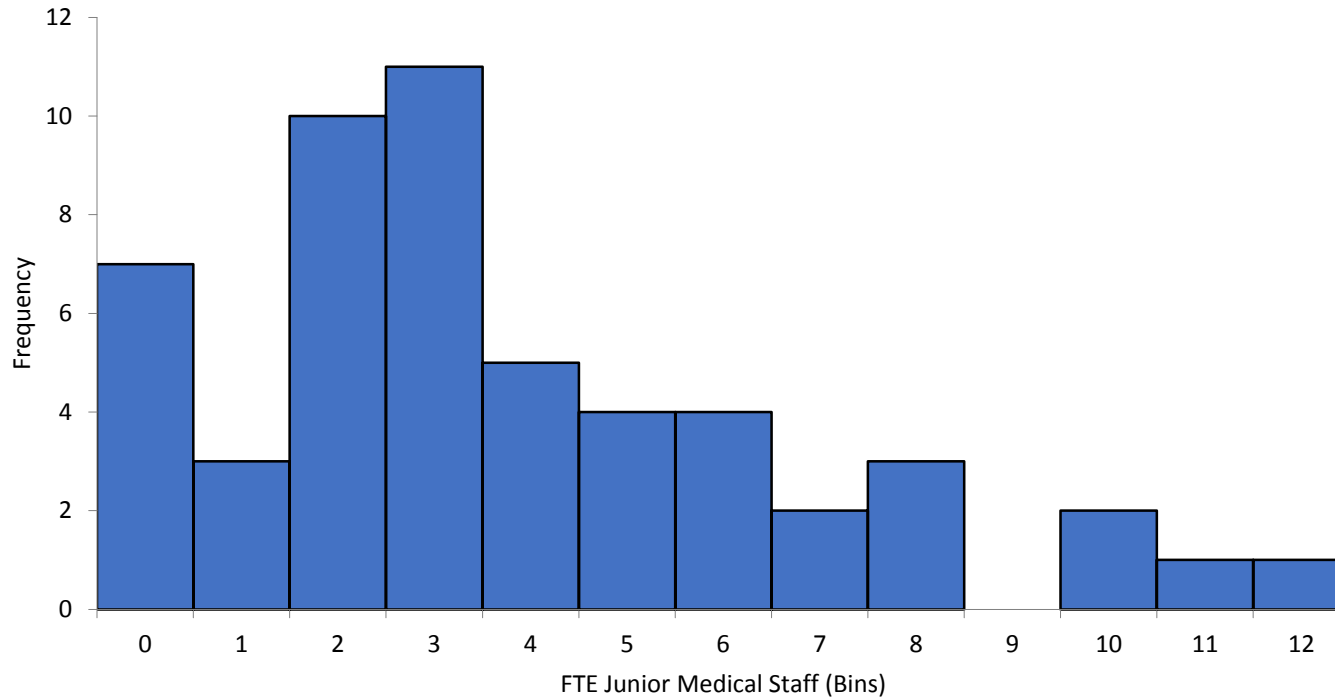
Heads of Unit survey

January 2017

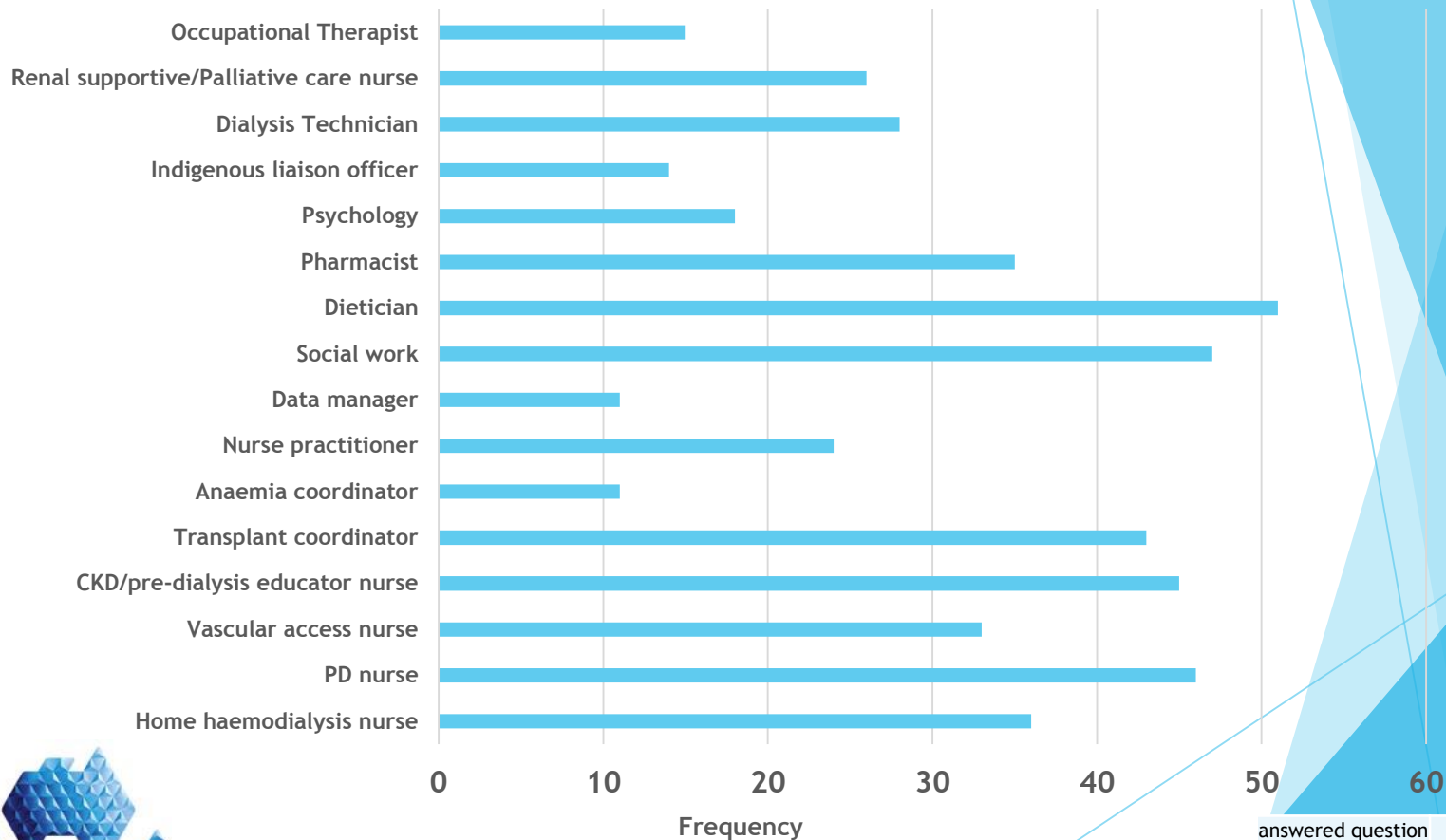
How many full time equivalent (FTE) consultant nephrology staff are employed in your unit?



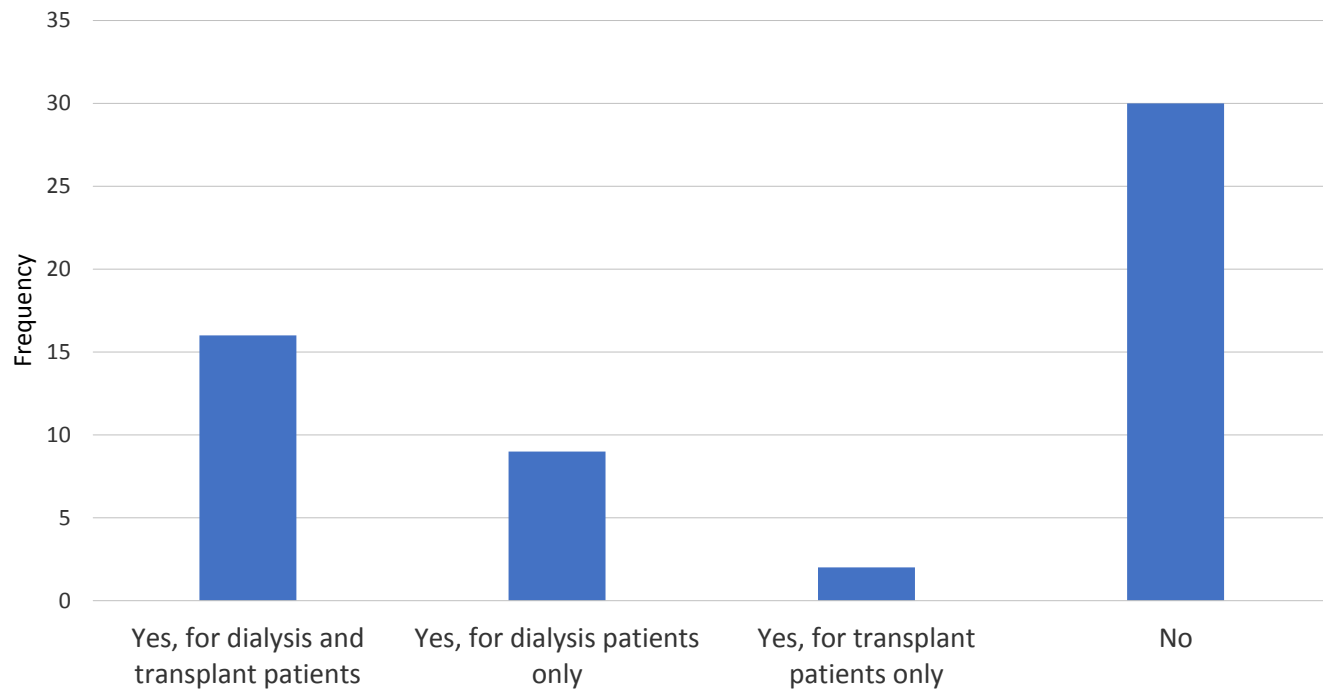
How many junior medical staff FTE are employed in your unit?



Does your unit have the following? (Select all that apply)



Do you have an electronic database that is used for ANZDATA survey completion?



ANZDATA - data governance



Electronic entry
XML, CSV - yes
HL7 - soon

Web access to your data

Data in: 2017

Patient#s	CentreCode	ReceivedDate	ReceivedBy
10	SCPR	9/01/2017	Both
11	VARL	19/01/2017	Forms
53	GCPR	24/01/2017	Forms
51	STAR	2/02/2017	Forms
20	YORKE	7/02/2017	Electronic
144	GREN	17/02/2017	Forms
60	MALV	20/02/2017	Electronic
593	ALFD	22/02/2017	Forms
23	EPWE	28/02/2017	Forms
68	MATR	28/02/2017	Forms
18	PMPH	1/03/2017	Forms
56	WAGG	3/03/2017	Forms
114	TARA	8/03/2017	Electronic
45	SCHL	7/03/2017	Both
14	LPDC	10/03/2017	Forms
324	NAMB	14/03/2017	Both
55	SADV	10/03/2017	Forms
183	ROCK	14/03/2017	Forms
28	NMDC	20/03/2017	Forms
28	MMCP	21/03/2017	Forms
193	TAMW	17/03/2017	Forms
42	NCAS	27/03/2017	Forms
263	RHBT	23/03/2017	Forms

Review of data submitted

Aust. & N.Z. DIALYSIS AND TRANSPLANT SURVEY

THIS SECTION FOR ALL PATIENTS

REGISTRY NUMBER	INITIAL HOSPITAL	CURRENT PARENT HOSPITAL		
	Hospital / State	Hospital Unit No.	Hospital / State	Hospital Unit No.
				Physician (Optional)

Surname	Given Names	3 DATE OF BIRTH	4 SEX

5 ETHNICITY (Record from list)	6 PRIMARY RENAL DISEASE (record from list)	7 BIOPSY	8 SERCREATININE
OTHER -	OTHER -		Y/N

9 COUNTRY OF BIRTH (A Australia or NZ - Tick box)	10 POSTCODE AT ENTRY	POSTCODE AT END SURVEY
AUST NZ OTHER COUNTRY (Please specify)		

11 CO-MORBID CONDITIONS AT ENTRY	HEIGHT (cms)	WEIGHT (kg)	CIGARETTE SMOKING
LATE REFERRAL			Never Former Current

DISEASE AT ENTRY AND DURING CURRENT SURVEY	CHRONIC LUNG (Y/N)	CORONARY ARTERY (Y/N)	PERIPHERAL VASCULAR (Y/N)	CEREBRO VASCULAR (Y/N)
Y=Yes N=No S=Suspected				

AT ENTRY	LAST	CURRENT

OTHER CO-MORBID CONDITIONS (Write in)

AT ENTRY	PREVIOUS	ENTRIES

12 CENTRE OF TREATMENT	HOSPITAL / CENTRE NAME (Write in or tick if same)	CENTRE CODE	DATE TRANSFER
Enter geographical location at Death or End of Survey			

14 HEPATITIS C ANTIBODY
1a Positive 2a Negative 3a Not done

REASON FOR DIALYSIS MODALITY CHANGE form - CAPD to APD, APD to CAPD, Any PD to HD, HD to any PD
Enter Reason for Change FROM Previous Modality TO Current Modality - Refer to codes on back of form

13 COURSE OF TREATMENT	SE0	SE1	SE2
COMPLETE ACCORDING TO CODE	No	No	No

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BC HD Hospital-conventional	BC HD Home-conventional	BC HD Hospital-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant	BC HD Home-Quadrant

15 CANCER EVER ? (Y/N)	16 CAUSE OF DEATH (Record from list)	17 WAS GRAFT SUSTAINING LIFE ?
Y=Yes, enter separate Cancer Form		Without dialysis at time of death Y=Yes N=No

18 PARENTHOOD	DATE OF LAST OUTCOME
HAS THIS PATIENT BECOME PREGNANT OR FATHERED A CHILD DURING THIS SURVEY	

19 HAIR TYPING	20 HAIR TYPING
DONOR	RECIPIENT

21 UNCORRECTED CALCULUM	22 PHOSPHATE	23 HAEMOGLOBIN	24 EPO AGENT	25 FERRITIN	26 % SATURATION IRON (Transferrin Saturation)

THIS SECTION FOR ALL PATIENTS DIALYSED AT ANY TIME DURING THIS SURVEY PERIOD

19 TYPE OF DIALYSIS	20 DRY WEIGHT AT LAST DIALYSIS	21 UNCORRECTED CALCULUM	22 PHOSPHATE	23 HAEMOGLOBIN	24 EPO AGENT	25 FERRITIN	26 % SATURATION IRON (Transferrin Saturation)

27 DIALYSER BRAND (write in)	28 BLOOD FLOW RATE	29 SESSIONS PER WEEK	30 HOURS PER SESSION	31 UREA REDUCTION or Kt/V

32 ACCESS IN USE (Functioning only)	Enter for ALL PATIENTS ON HAEMODIALYSIS at any time during this survey period- FOR FISTULAS AND GRAFTS ONLY
AT FIRST HD	AT LAST HD

33 PET TEST (Once only)	34 CONNECTION SYSTEM	35 PERITONITIS	36 NUMBER OF EPISODES OF PERITONITIS	37 TOTAL VOLUME OF WEEKLY EXCHANGES

38 CREATININE CLEARANCE	39 DIALYSATE ONLY	40 RESIDUAL RENAL FUNCTION (Creatinine Clearance)	41 PD SOLUTIONS - Y=Yes N=No (Please fill in all boxes)

42 GRAFT NUMBER	43 DATE OF THIS TRANSPLANT	44 REFERRING HOSPITAL	45 DONOR HOSPITAL	46 TRANSPLANT CMV	47 RECIPIENT ANTIBODY STATUS	48 NUMBER REJECTION EPISODES THIS SURVEY

49 DONOR DETAILS	50 TOTAL ISCHAEMIA	51 IMMEDIATE FUNCTION	52 DISEASE IN GRAFT	53 DATE FIRST PROVEN (eg. Graft biopsy)	54 CAUSE OF GRAFT FAILURE - Record from list

55 MONOCLONAL / POLYCLONAL THERAPY (Record from list)

56 TOTAL DAILY DRUG DOSE (mg)

57 CTA SPARING DRUG	58 BODY WEIGHT (kg)

59 SERUM CREATININE (umol/L)	60 HLA TYPING

61 HAIR TYPING	62 HAIR TYPING
DONOR	RECIPIENT

63 HAIR TYPING	64 HAIR TYPING
DONOR	RECIPIENT

65 HAIR TYPING	66 HAIR TYPING
DONOR	RECIPIENT

67 HAIR TYPING	68 HAIR TYPING
DONOR	RECIPIENT

69 HAIR TYPING	70 HAIR TYPING
DONOR	RECIPIENT

71 HAIR TYPING	72 HAIR TYPING
DONOR	RECIPIENT

73 HAIR TYPING	74 HAIR TYPING
DONOR	RECIPIENT

75 HAIR TYPING	76 HAIR TYPING
DONOR	RECIPIENT

77 HAIR TYPING	78 HAIR TYPING
DONOR	RECIPIENT

79 HAIR TYPING	80 HAIR TYPING
DONOR	RECIPIENT

81 HAIR TYPING	82 HAIR TYPING
DONOR	RECIPIENT

ANZDATA - Clinical Quality registry

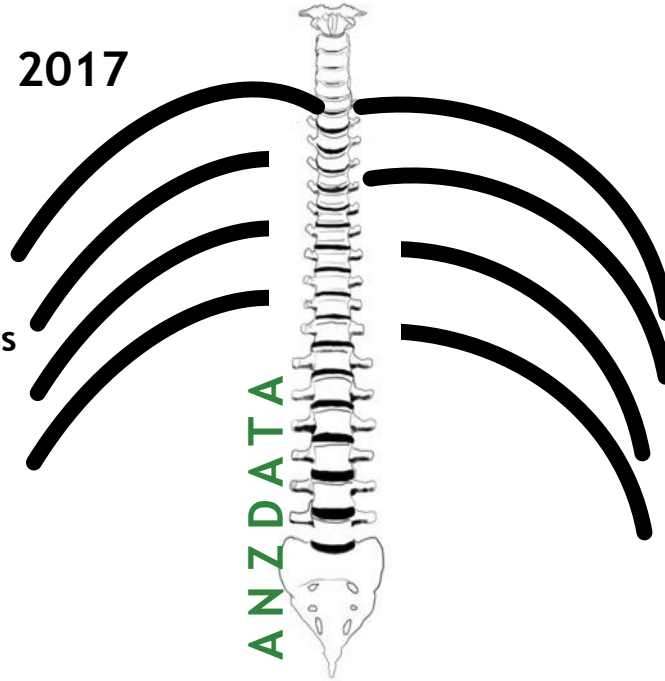
Current - 2017

Mortality

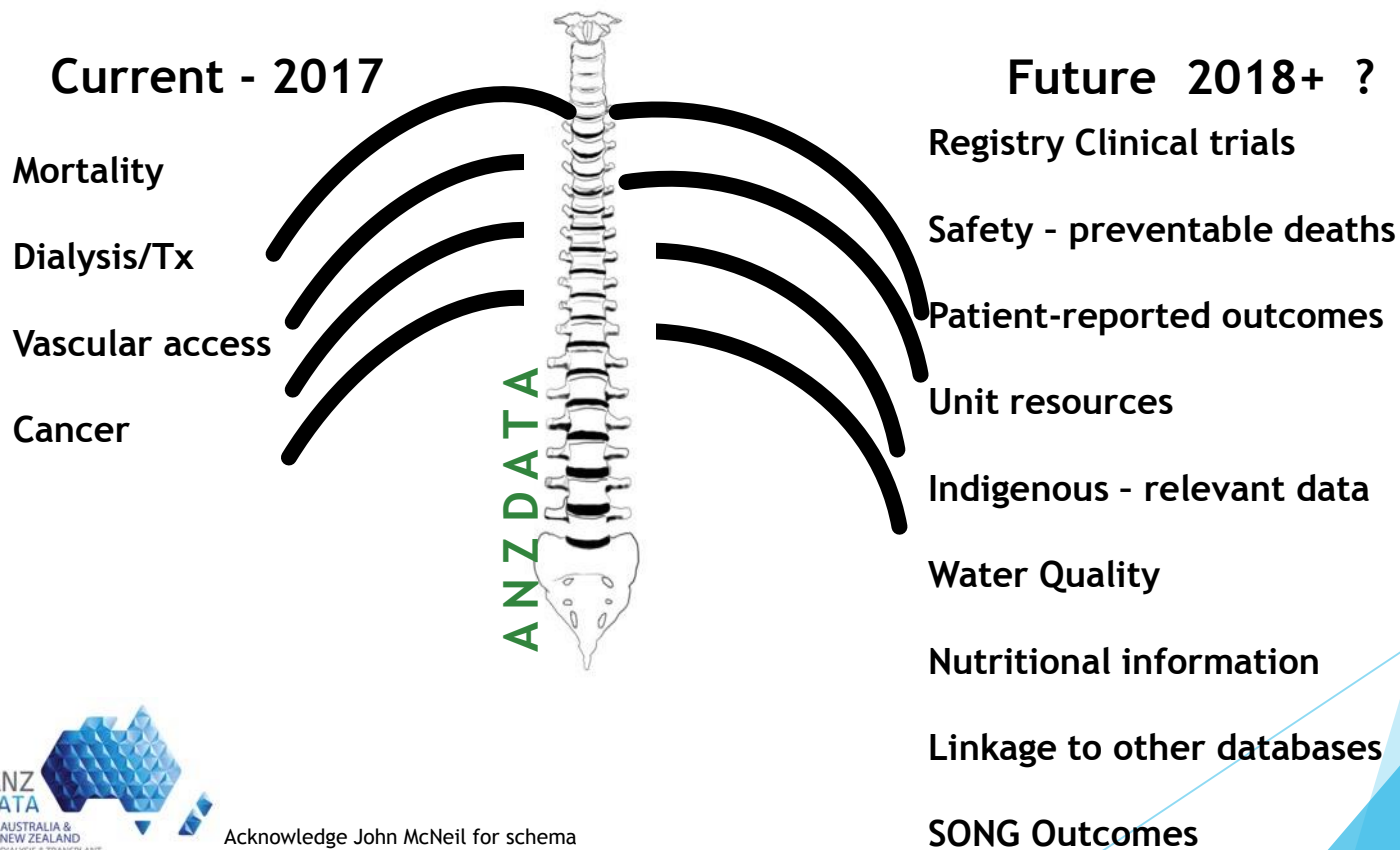
Dialysis/Tx

Vascular access

Cancer



ANZDATA - Clinical Quality registry



Review of ANZDATA

- ▶ Review of ANZDATA (Oct -Dec 2017)
 - ▶ ANZSN
- ▶ Funding
 - ▶ AOTA (Australian Govt)
 - ▶ NZ Ministry of Health
 - ▶ KHA

Acknowledgements

Units – patients, doctors, nurses, allied health

Data and time

Interest and attendance

Enquiries - >2000 per annum

Feedback

Funders:

Australian & NZ Governments, KHA, Amgen, pharma

ANZSN

ANZDATA stand, ANZDATA Session

Staff & Volunteers within ANZDATA

Executive, Office, Steering Committee and Working Groups