



Dialysis outcomes in those aged ≥65 years: A longitudinal study in New Zealand (DOS65+)

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Dialysis outcomes in those aged ≥65 years: A longitudinal study in New Zealand (DOS65+)

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- Nephrology teams at participating hospitals



Overall Aim of DOS65+

 Obtain sufficient HRQoL data to inform clinicians' and patients' decision-making with respect to dialysis in New Zealand



Walker, R, Derrett S, Campbell J, Marshall MR, Henderson A, Schollum J, Williams S, McNoe, B. (2013) Dialysis outcomes in those aged ≥65 years. *BMC Nephrology*; 14:175; http://www.biomedcentral.com/1471-2369/14/175.

Methods



- Accelerated longitudinal design (all prevalent and newly incident patients)
 - Three dialysis centres
 - All dialysis patients aged ≥65 years
 - Newly incident patients aged ≥65 years added to cohort for duration of study (3 years)









So how are we doing today? (n=150): Provisional findings

- "Compared to one year ago, how would you rate your health in general now?"
 - Much better than one year ago
 - Somewhat better now than one year ago
 - About the same as one year ago
 - Somewhat worse now
 - Much worse
 - Or died before 12 month interview (n=23)

- Same or better (n=97, 65%

Worse

(n=53, 35%)

N.B. <u>Not</u> : Age, Sex, BMI, 4 EQ-5D dimensions, years on dialysis		Relative risk of 'worse' health at 12-months		
		RR	95%CI	P-value
Ethnicity	European/Other ethnicities Māori Pacific	Ref 0.75 0.52	0.45-1.25 0.44-0.61	0.00
Social relationsh	ips Satisfied Not satisfied	Ref 1.63	1.47-1.80	0.00
Comorbidity	0-2 comorbidity categories 3-6 comorbidity categories	Ref 1.42	1.02-1.96	0.04
EQ-5D Anxiety or	Depression No problems Any problems	Ref 1.70	1.31-2.22	0.00
Health in general	Ex/VG/Good Fair/Poor	Ref 1.92	1.14-3.23	0.01
Dialysis type	Haemodialysis (Clinic) Haemodialysis (Home) Peritoneal (Home	Ref 0.57 0.78	0.43-0.75 0.72-0.85	0.00
Cause of ESKD	Glomerulonephritis Hypertensive/Vascular Polycystic kidney Diabetes Other	Ref 2.52 1.58 1.25 1.44	1.36-4.65 1.03-2.44 0.57-2.74 0.69-2.97	0.00
Kidney symptom score <70 (fewer symptoms) ≥70		Ref 1.29	1.14-1.49	0.00

Social relationships, general health, ethnicity & dialysing at home appear to be key



Demographic

Age, sex, ethnicity, living arrangements, adequacy of household income

Social

Overall rating of social relationships, degree of family involvement, sense of community

General health, disability & functioning

BMI, overall self-rated health, five EQ-5D questions (mobility, self-care, usual activities, pain or discomfort, anxiety or depression), cognitive function, disability

Dialysis & ESKD

Dialysing 'at home' or 'in clinic', years on dialysis, peritoneal or haemodialysis, ESKD symptom bother (muscle soreness, chest pain, cramps, itchy skin, dry skin, SoB, faintness, appetite, drained, numbness, nausea, access/catheter site) and ESKD symptom summed score

Health services

Satisfaction with services and professionals, hospitalization, procedure codes

Clinical data

Comorbidities (cardio, cerebro, peripheral, lung, diabetes, cancer & other categories), cause of ESKD, anthropometric, medications, dialysis therapies, laboratory results

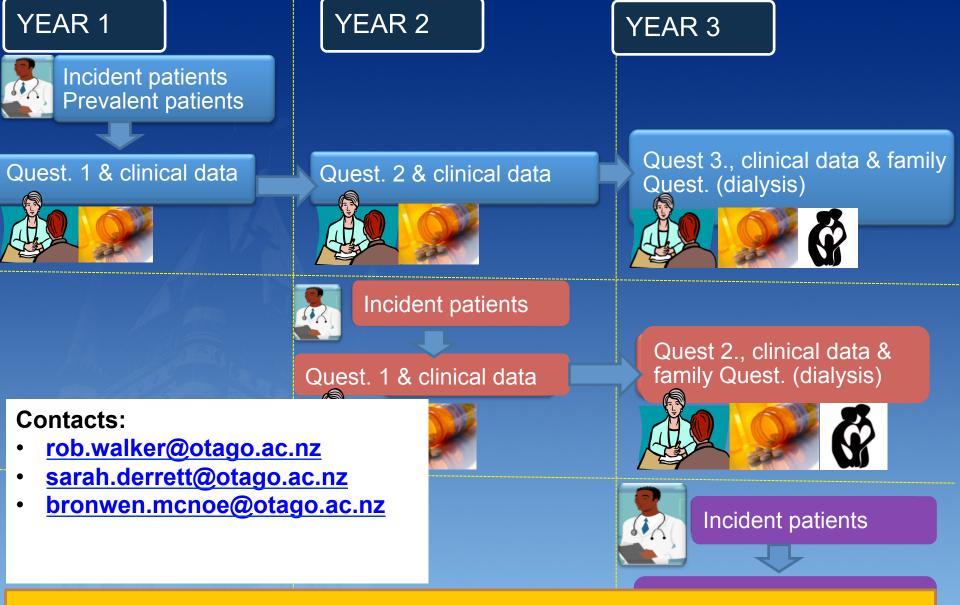


The future & DOS65+

• We welcome interested collaborators

Need Masters and PhD students

Interest in this project internationally



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