



Understanding kidney care outcomes in Fiji:

A Fijian kidney replacement therapy registry – April 2024



The George Institute
for Global Health

Facts:

- Although data on kidney disease in Fiji is limited, the incidence of untreated kidney failure is high. One study estimated 793–938 per million population in 2012 – four to five times higher than that of nearby Australia – with 86.2% mortality at 20 months.
- The number of patients starting chronic haemodialysis in Fiji has more than doubled from 2020 to 2022.

Project Cycle:

2019–2027

Partners:

The George Institute for Global Health, Australia

UNSW Sydney, Australia

Fijian Dialysis Registry Collaboration

Supporters:

The George Institute for Global Health, Australia

International Society of Nephrology, Sister Centre Partnership Program

Principal Investigator:

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Contact:

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Background:

- The burden of chronic kidney disease is growing, with 700 million to 1 billion people affected worldwide, equating to 11-13 per cent of the global population.
- Chronic kidney disease is the fourth leading cause of death in Fiji and dialysis services are expanding nationally to meet the growing need for kidney failure treatment.
- There is currently no standardised data collection regarding kidney care in Fiji, making advocacy for, and planning of, kidney care services difficult.

Aims:

- To improve understanding regarding dialysis and kidney transplant care and determine the incidence, prevalence and survival of patients treated for kidney failure in Fiji.
- To generate evidence-based recommendations for kidney failure treatment in Fiji.

Methods:

- All consenting patients receiving treatment with dialysis or a kidney transplant for kidney failure will be entered into a kidney replacement therapy registry.
- Data from all dialysis centres and renal physicians in Fiji, with data collection approved until at least 2027.

Impact:

- This research will provide new understanding of the treatment and outcomes for kidney failure in Fiji and support healthcare planning.
- This program will improve the infrastructure surrounding kidney care data collection in Fiji and provide a platform for ongoing research in the future.

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