



First Nations Health Authority
Health through wellness

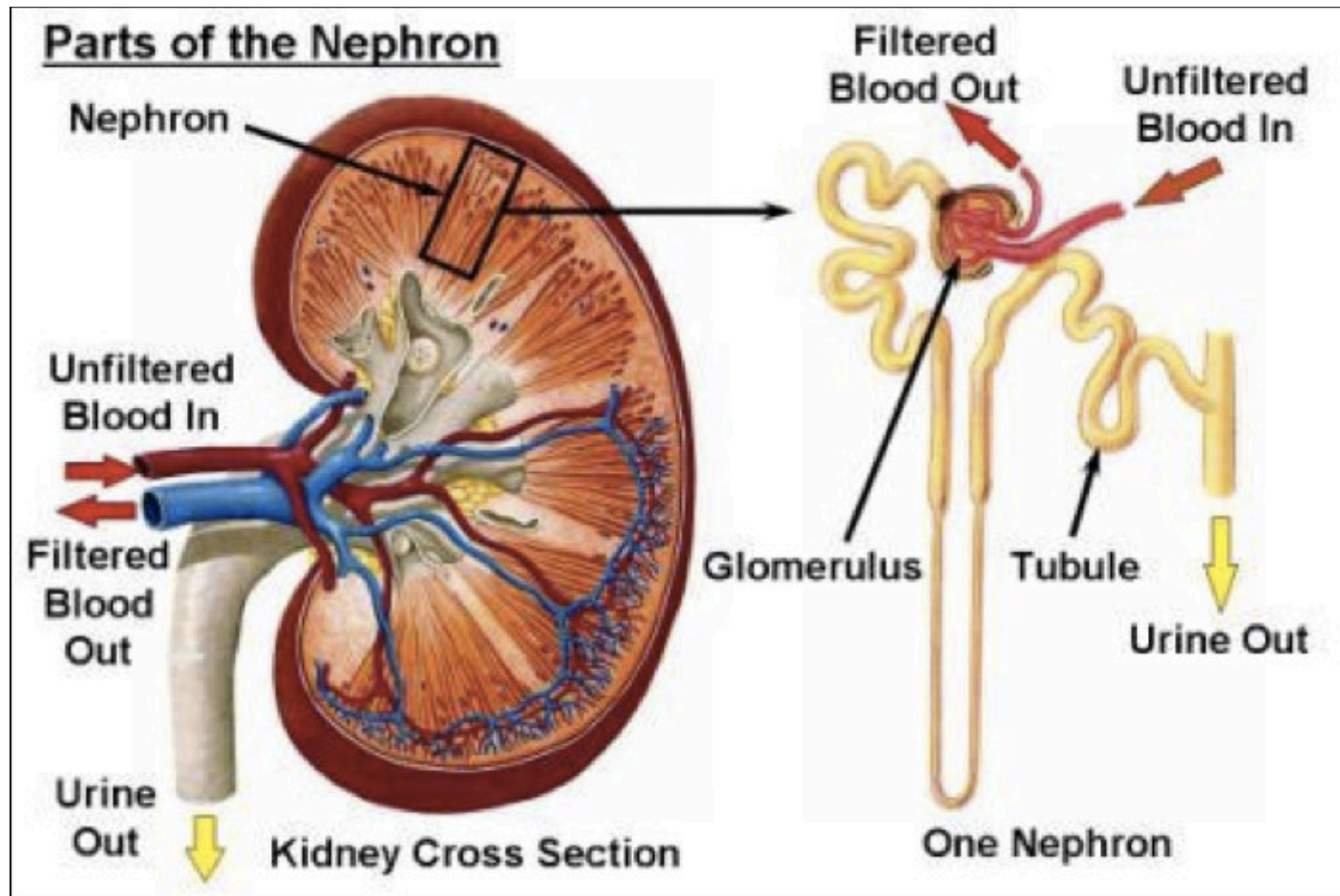
Home hemodialysis

May 21st, 2015

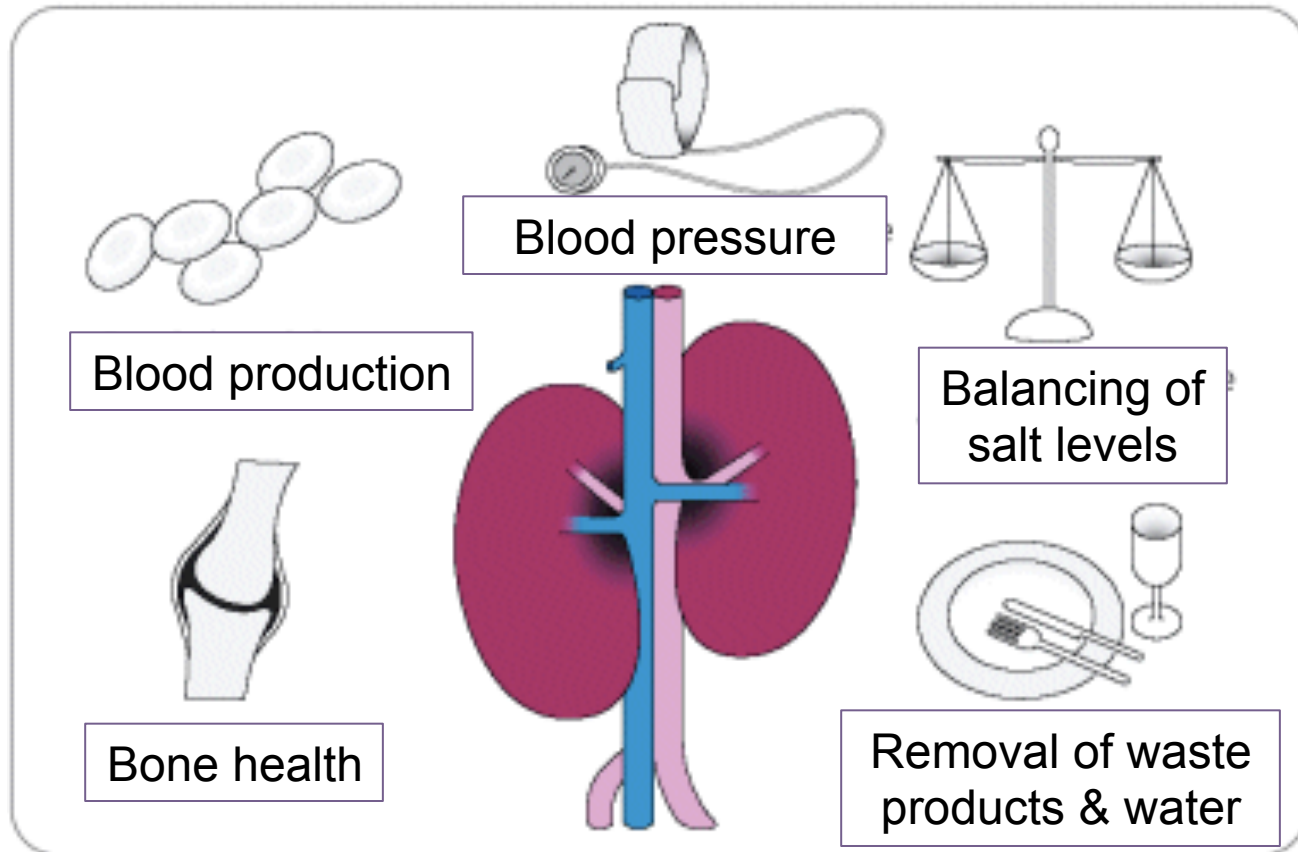


What is hemodialysis?

Normal Kidneys



What do kidneys do?



The functions of the kidneys

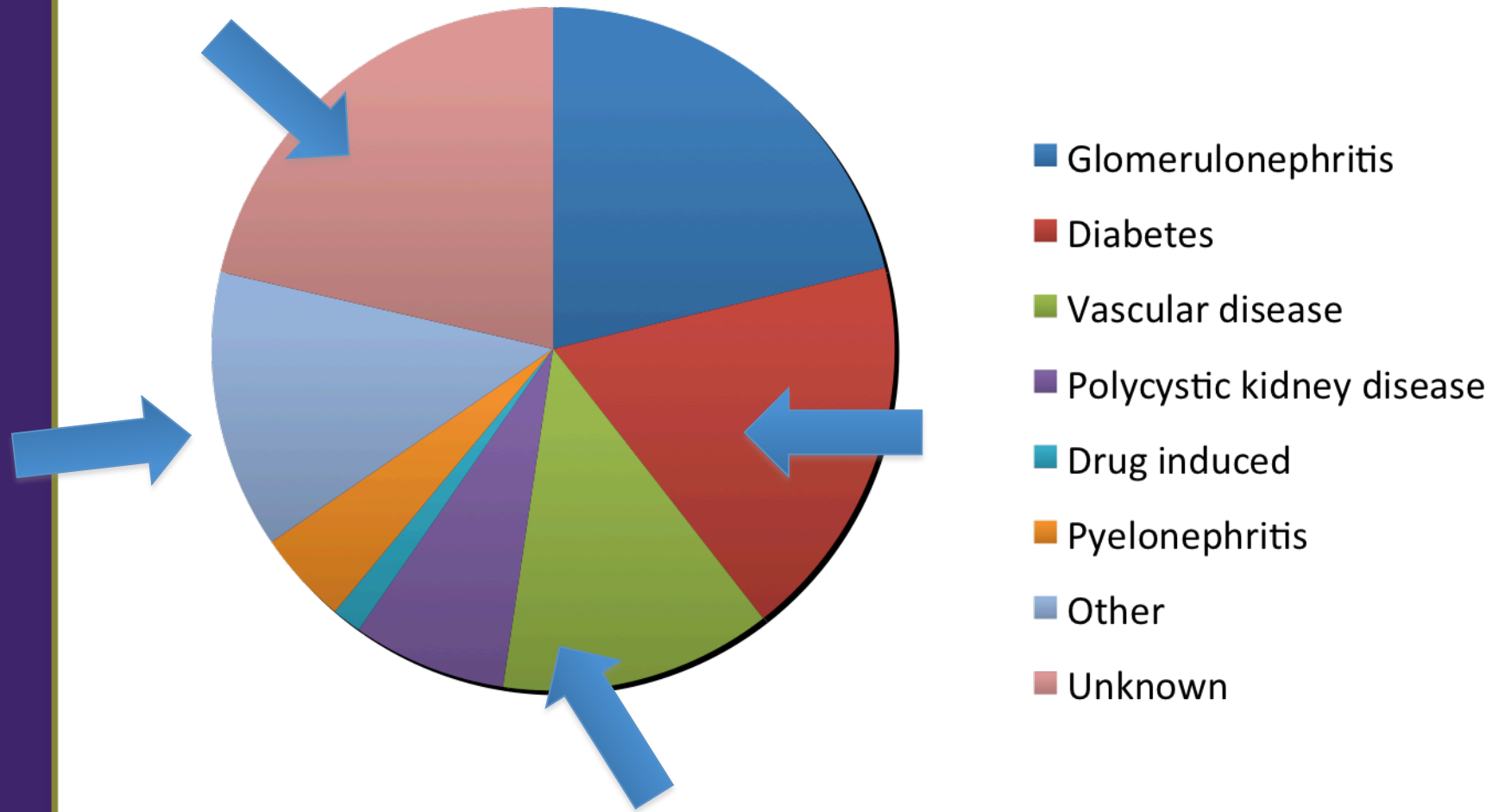
What happens when kidneys go wrong?

Kidney function lost	What one feels
Waste removal	“Uremia”
Less salt removal	High blood pressure and swelling
Loss of vitamin D production	Weak bones and hormonal changes with heart effects
Loss of hormone to signal to make blood	Anemia - fatigue

“Uremia”

- Means ‘Urine in the blood’
- Many symptoms:
 - Fatigue and listlessness
 - Nausea and loss of appetite
 - Metallic taste in mouth
 - Muscle cramping
 - Itchiness
 - In severe states:
 - Confusion and drowsiness
 - Inflammation of lining of the heart

Cause of kidney disease *



* Canadian Organ Replacement Register, 2014 report

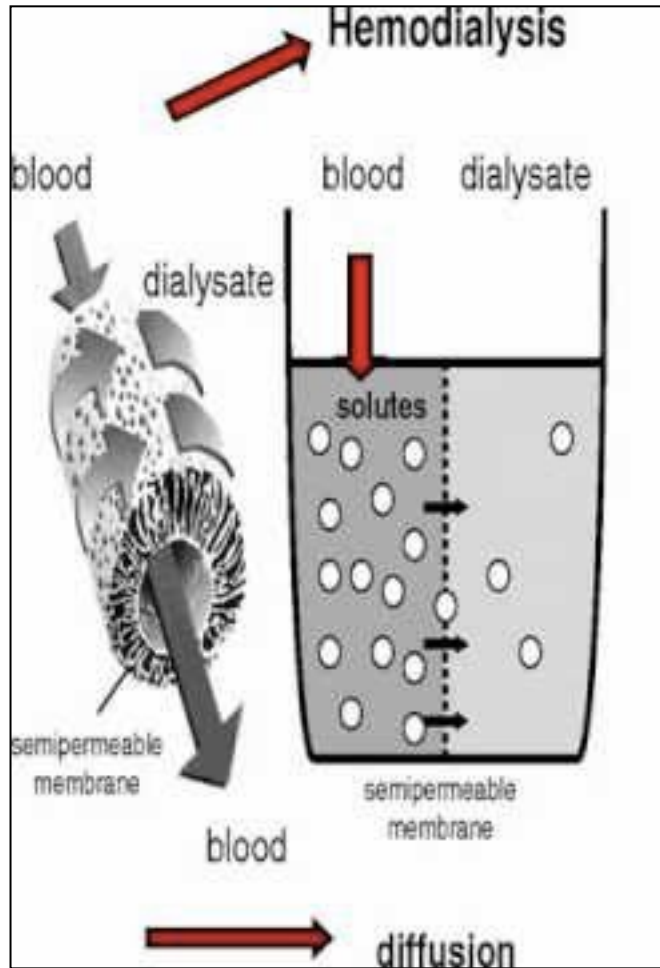
What is dialysis?

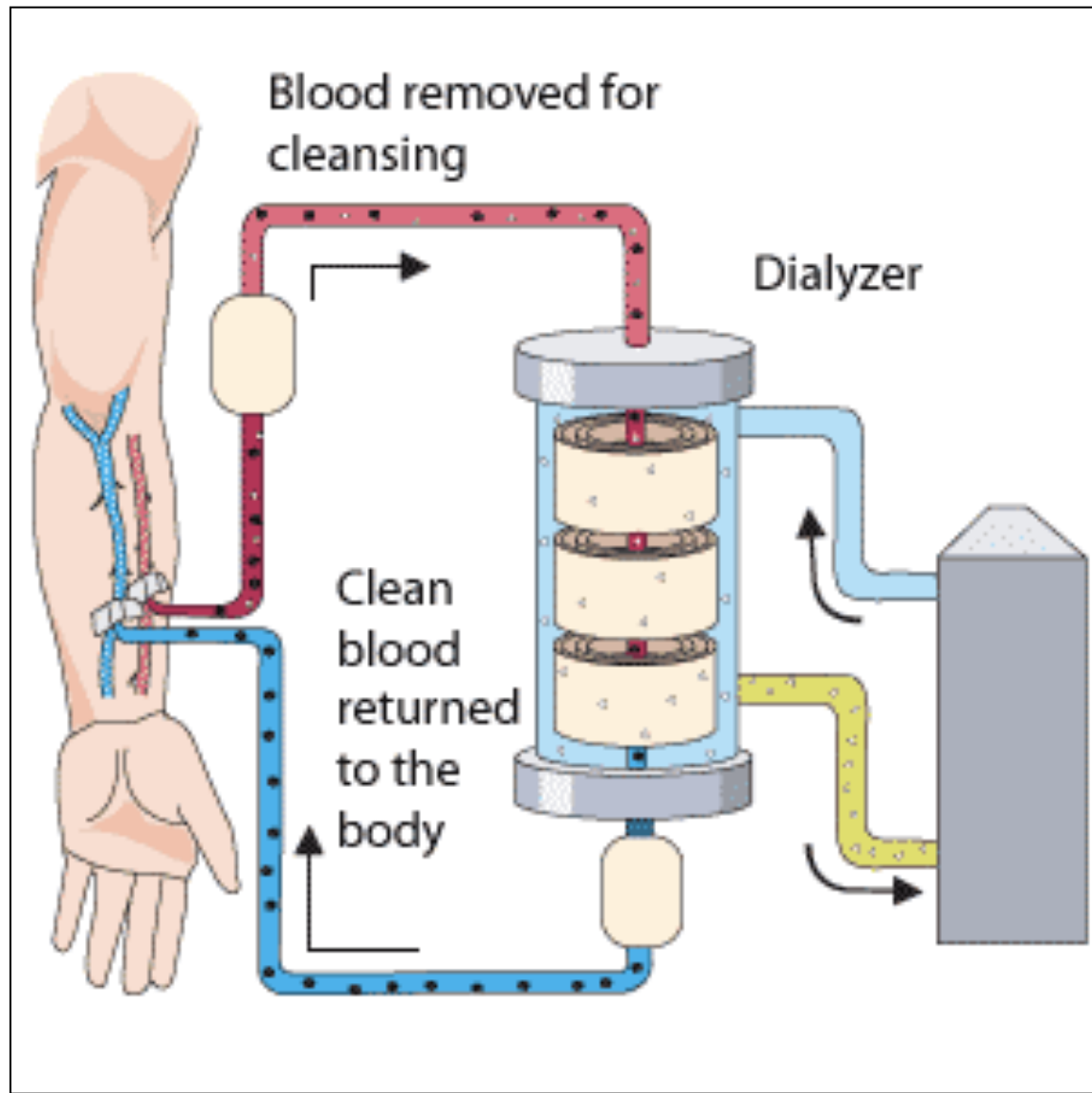
- Dialysis is a treatment to replace lost functions of the kidney.
- It is life-support treatment:
 - If someone has kidney failure they can't live without this treatment.
- In BC, over 32% of dialysis patients do their treatments at home.

What is dialysis?

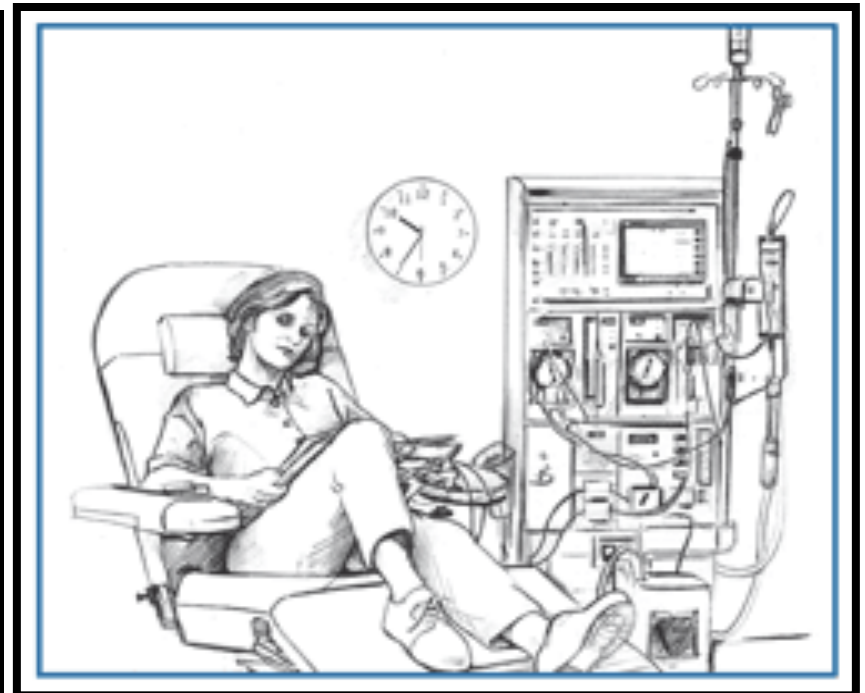
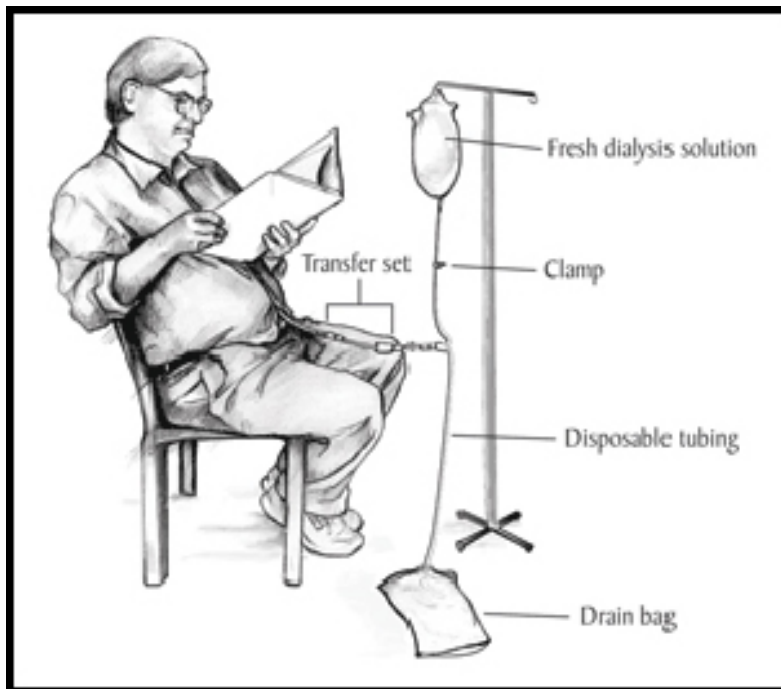


What is dialysis?

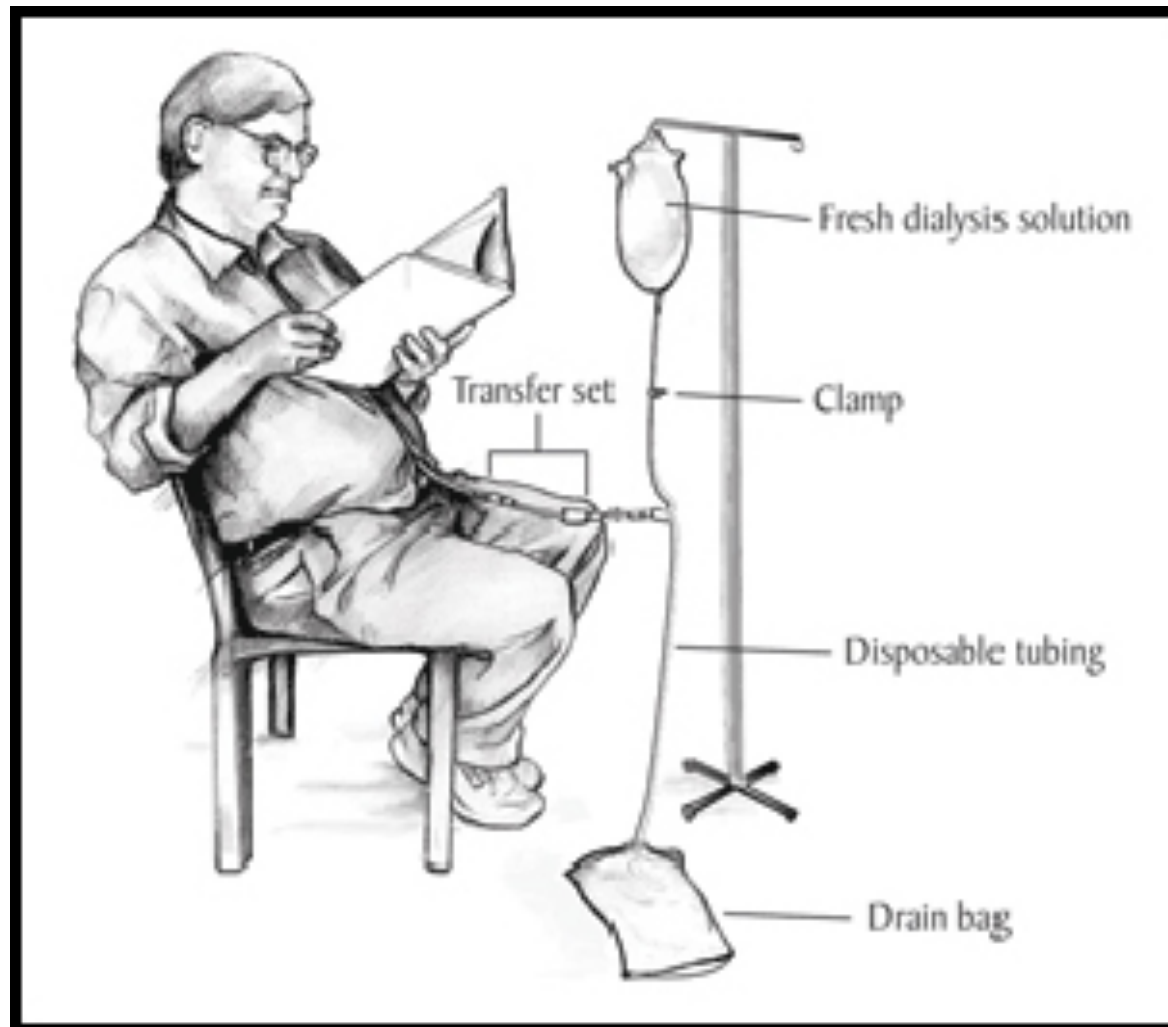




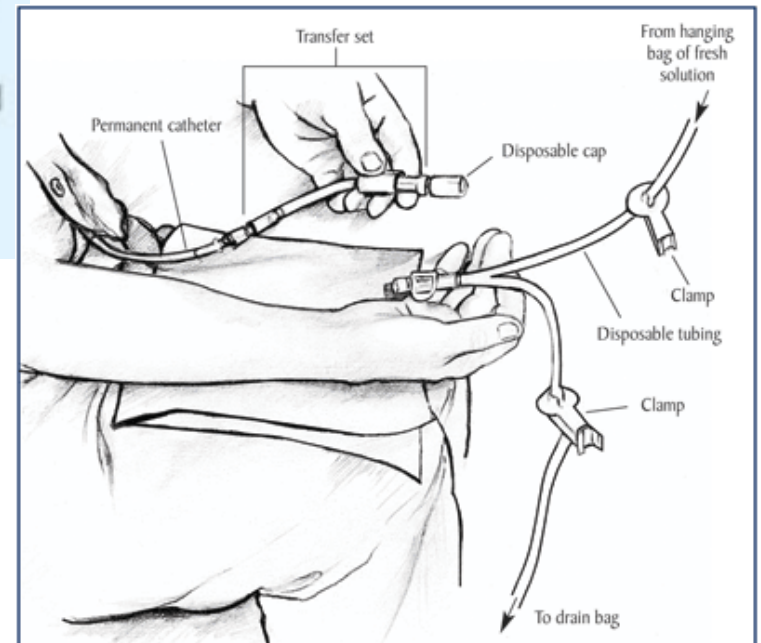
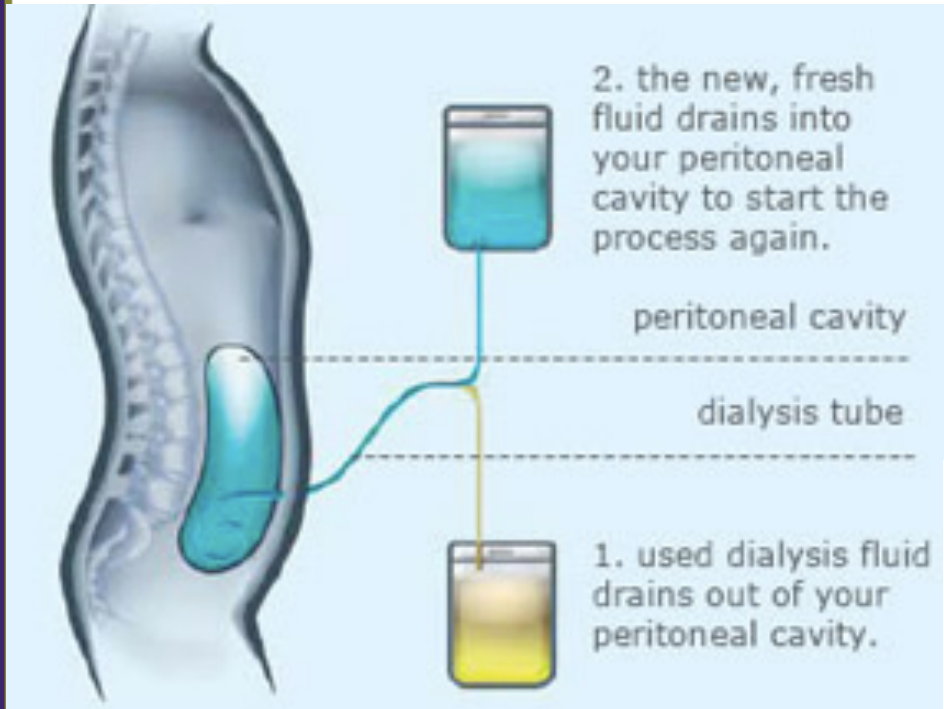
Types of dialysis?



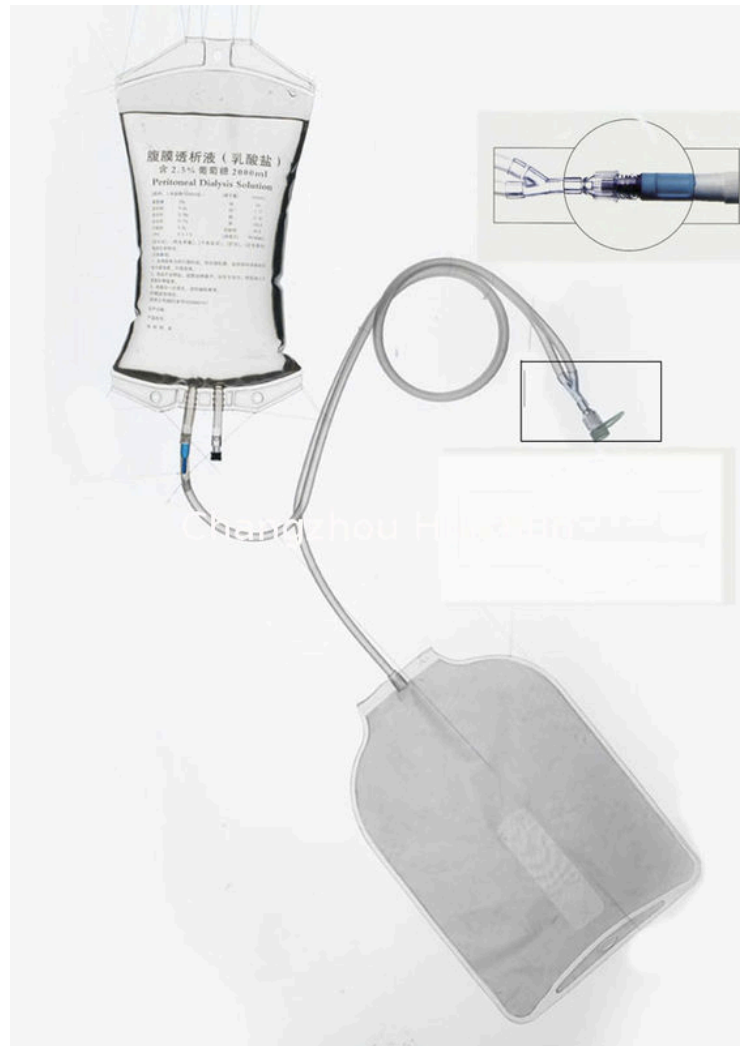
Peritoneal Dialysis



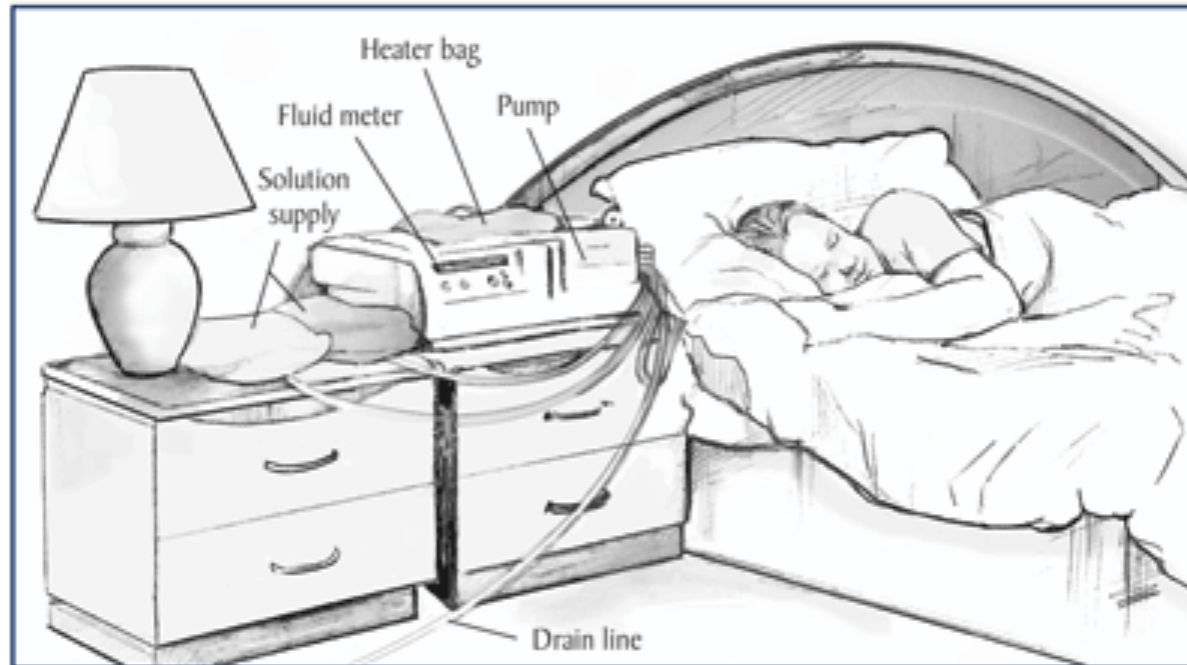
Peritoneal Dialysis



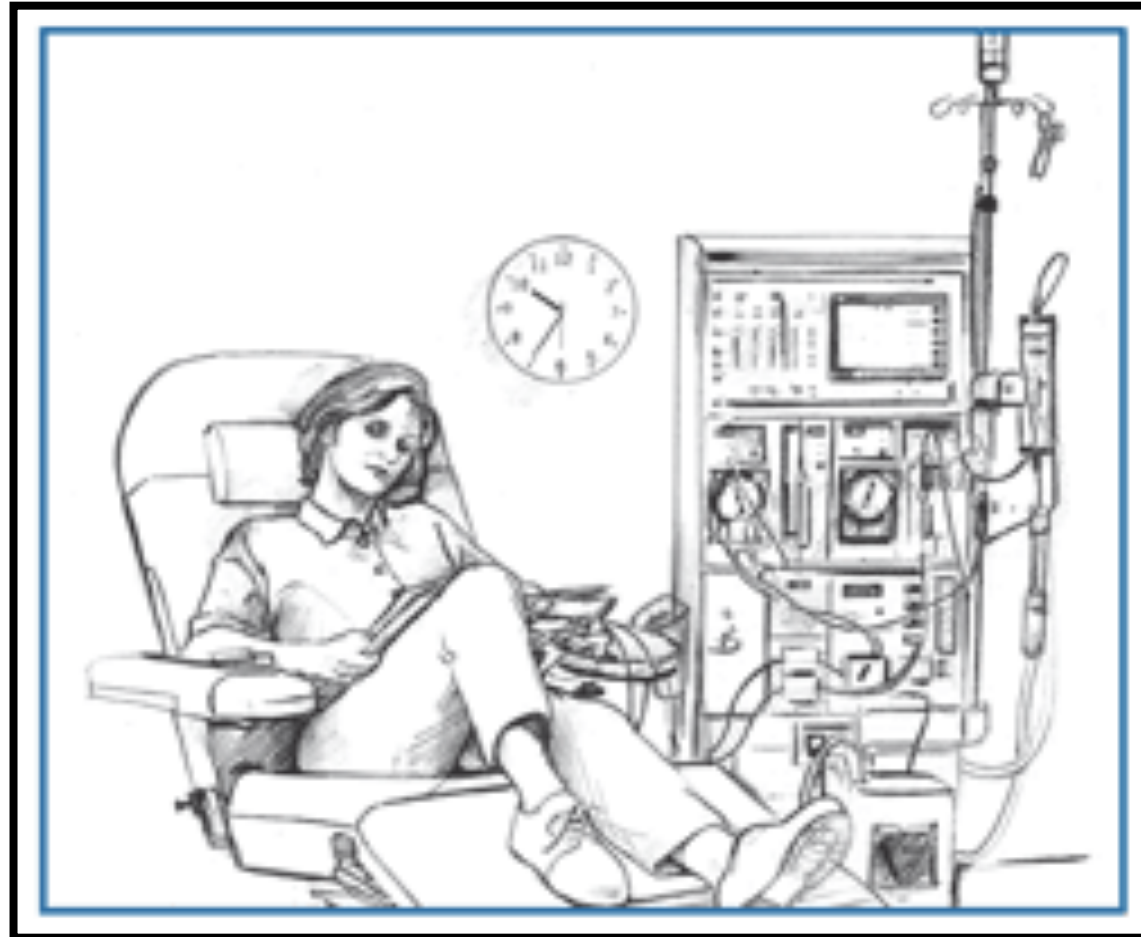
Peritoneal Dialysis



Peritoneal Dialysis



Hemodialysis



Hemodialysis



Hemodialysis



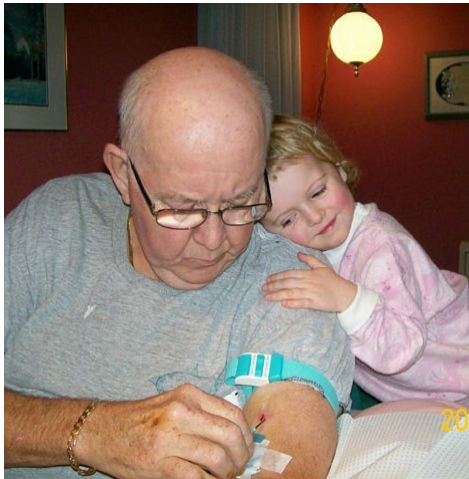
Hemodialysis

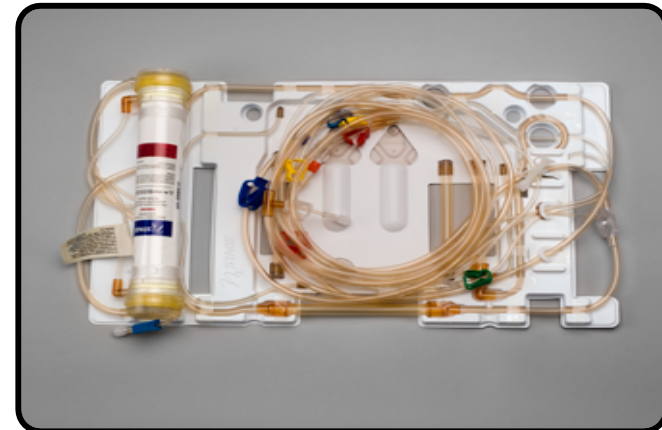




What is home hemodialysis?

Home Hemodialysis





Home Hemodialysis



Home Hemodialysis - Video

[Warren Snow - Client video](#)



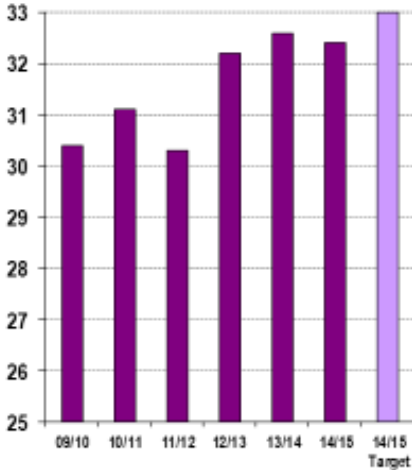
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Are we seeing more people opting
for home hemodialysis?
In particular, are more indigenous
patients opting for home HD?

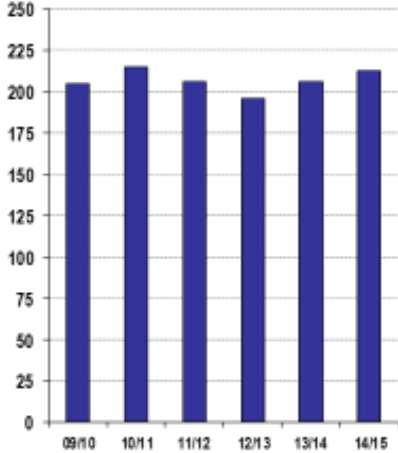
Provincial Trends in Independent Dialysis

2. Percentage of Patients Participating in Independent Dialysis

Percentage of patients on independent dialysis (PD or Home or Independent Facility-based HD)

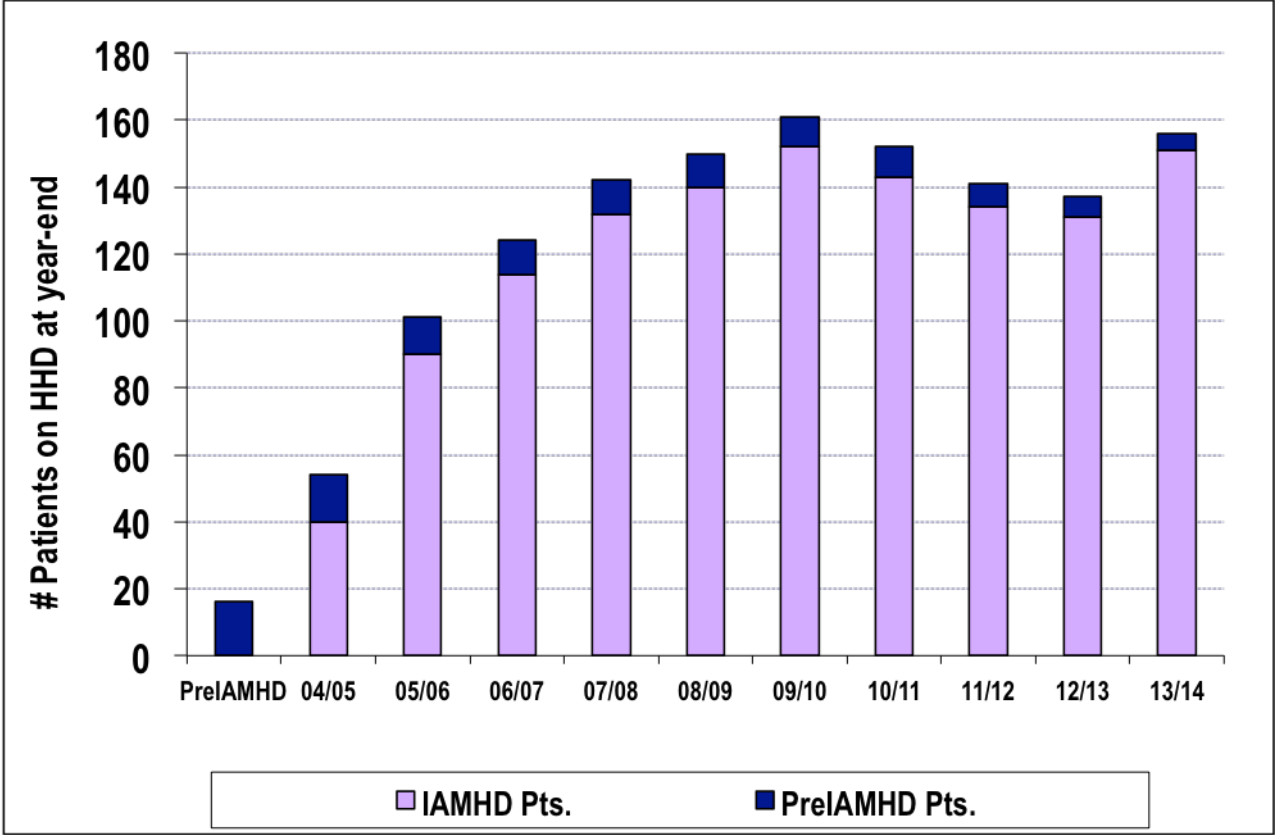


Number of patients participating in Home or Independent Facility-based HD



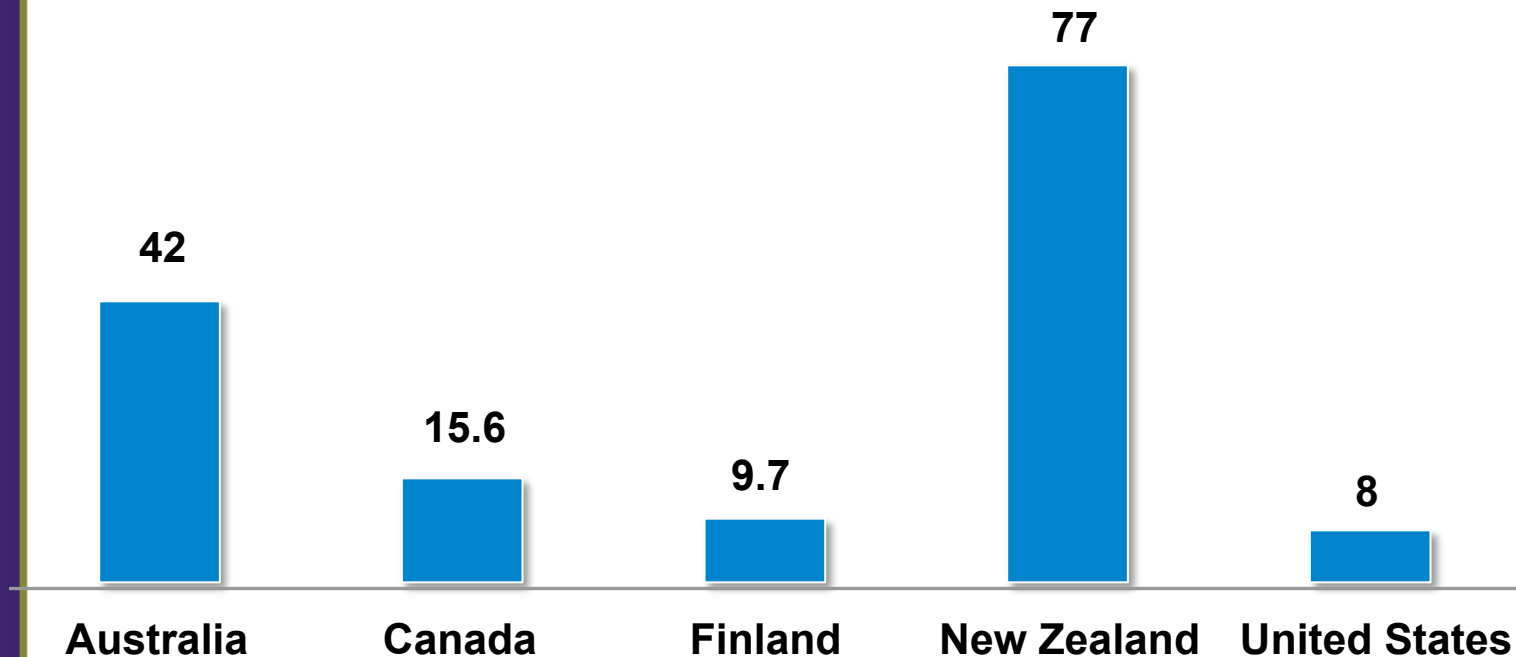
Status	Trend	Target	Actual
●	→	≥ 33%	32.4%

Provincial Trends in Independent Dialysis



International Rates of HHD

International Rates of Home Hemodialysis Usage Per Million People (PMP)



Agar, John. International Variations and Trends in Home Hemodialysis.
Advances in Chronic Kidney Disease. 2009;16:205-214