# **Chronic Kidney Disease**

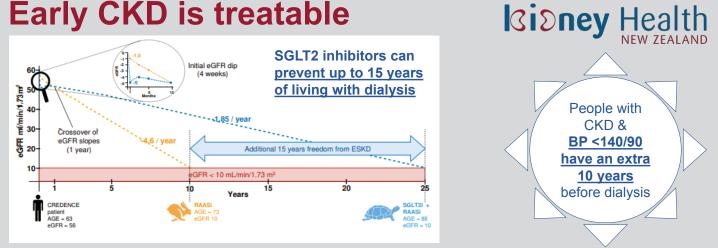
CKD is a stronger risk factor than diabetes for CVS disease & mortality

1:10 New Zealanders have CKD (and <1:6 Pacific Islanders in NZ)

1:25 people have high-risk CKD i.e. ~200,000 people In New Zealand

**CKD** diagnosis is missing from long-term condition lists in 75-90% cases

## Early CKD is treatable



## 8 Key elements of CKD management

1)Detect 2)Diagnose 3) Record as LTC 4)Assess risk 5)Consider referral 6)Treat 7)Monitor 8)Prevent complications

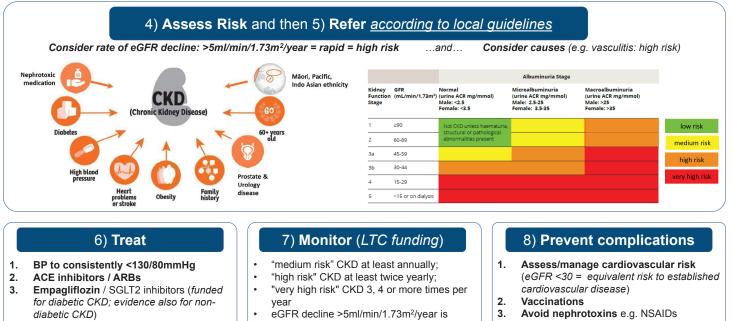
### 1) Screen for CKD with CVS risk, diabetes and ACEinh/ARB users

CVS Risk: urine albumin:creatinine ratio advised (PREDICT) & eGFR advised (if eGFR <30 then CVS risk = high) Diabetes: annual check for urine albumin:creatinine ratio and eGFR

ACEinh/ARB users: NZF -> eGFR & electrolyte check before treatment, when titrating and monitor on therapy

#### 2) Diagnose CKD and then 3) Record CKD in Long Term Conditions List

Chronic Kidney Disease = abnormalities of kidney structure or function, present for >3 months, with implications for health (e.g. low eGFR, high urine ACR, persistent invisible haematuria, structural abnormality e.g. polycystic kidneys)



Consider enrolling in funded, nurse-led long-

term conditions management programme

"rapid progression"

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"Sick Day Rules" for acute kidney injury 4. (AKI) e.g. swift medical review if intercurrent illness, esp. with dehydration, for kidney health check +/- temporary omit ACEinh / ARB / diuretics until recovered

...all tailored to the individual

**Glycaemic control** 

e.g. Reduce dietary salt

E.g. Smoking cessation

Lifestyle factors

1

2

4.

5.