CHRONIC KIDNEY DISEASE WITHOUT TYPE 2 DIABETES







T2D remains the leading cause of CKD, but primary care practitioners need to ensure they are not ignoring the other risk factors in those without diabetes.



Α1

Normal

Hypertension is currently the second most common cause of CKD.

CKD screening



In the early stages of CKD, there are typically no symptoms, so screening is vital.

Older adults should not be excluded from screening programs, but a holistic approach is required.

Normal or high

Mildly decreased

Severely decreased

Mildly to moderately decreased

Mildly to severely decreased

How? UACR and eGFR

equency? In those with a diagnosis of hypertension, screening should occur at least once a year.

Δ3



Physiological GFR decline needs to be distinguished from pathologic causes of CKD.

A hallmark of age-related kidney decline is the absence of proteinuria/albuminuria.

Confirmatory tests with cystatin C can help confirm a CKD diagnosis.

G1

G2

G3a

G3b

G4

	to mildly increased	increased	increased	
	<30 mg/g <3 mg/mmol	30–299 mg/g 3–29 mg/mmol	≥300 mg/g ≥30 mg/mmol	
≥90	Screen (1)	Treat (1)	Treat and refer (3)	
80-89	Screen (1)	Treat (1)	Treat and refer (3)	
45–59	Treat (1)	Treat (2)	Treat and refer (3)	
30–44	Treat (2)	Treat and refer (3)	Treat and refer (3)	
15–29	Treat and refer (3)	Treat and refer (3)	Treat and refer (4+)	
.15	T	T	T	

Albuminuria categories Description and range

Δ2

CKD is defined as persistent

Diagnosis and classification of CKD

(for at least 3 months) eGFR <60 mL/min/1.73 m², albuminuria (ACR ≥30 mg/g), or other markers of kidney damage.

Low risk (if no other markers of kidney disease, no CKD) Moderately increased risk

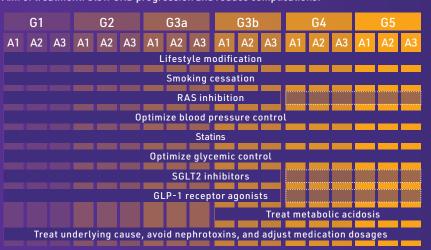


	G5	Kidney failure	<15	Treat and refer (4+)	Treat and refer (4+)	Treat and			
Numbers: Indicate how often (per year) you should be screening or monitoring. Monitor, treat, or refer: Indicates the									

recommended course of action. CKD is classified based on Cause (C), GFR (G), Albuminuria (A).

Management of CKD in primary care

Aim of treatment: Slow CKD progression and reduce complications.



Management pearls



RAS inhibitors (ACEi or ARB) should be initiated/continued as first-line therapy at the maximal tolerated dose in those with hypertension and albuminuria



Adults with high BP and CKD should be treated with a target systolic blood pressure of <120 mmHg but less intensive targets should be recommended on an individualized basis



Intensification of statin therapy for primary prevention is recommended based on ASCVD risk and LDL cholesterol concentrations.



SGLT2 inhibitors are now indicated in those with CKD without diabetes due to their cardio- and reno-protective benefits independent of glucose levels

Refer to or consult nephrology

Consult/refer to nephrology if:

















KFRE score rises above 3-5%

Developing a treatment plan and primary care practitioner not confident in the recommended first-line treatment

Unexplained decline in eGFR (≥5 mL/min/1.73m²) over 12 months or sudden decline over days to weeks

Unexplained significant albuminuria or hematuria





Hereditary kidnev

Recurring kidney stones





