Estimated GFR (eGFR)

In line with the recommendations of the National Service Framework (NSF) for Renal Services, Clinical Biochemistry reports 'estimated GFR.' The calculation (2009 CKD-EPI) is based on the serum creatinine, age, and gender of the patient and is reported in the units ml/min/1.73 m^2.

N.B. NICE guidelines [NG203] (August 2021) removed the 2014 recommendation on how to adjust the CKD-EPI creatinine equation for adults of African-Caribbean or African family origin.

CURRENT CHRONIC KIDNEY DISEASE (CKD) NOMENCLATURE USED BY KDIGO

CKD is defined as abnormalities of kidney structure or function, present for 43 months, with implications for health and CKD is classified based on cause, GFR category, and albuminuria category (CGA).

Prognosis of CKD by GFR and albuminuria category

					Persistent albuminuria categories Description and range		
					A1	**A2**	**A3**
					Normal to mildly increased	Moderately increased	Severely increased
					<3 mg/mmol	3-30 mg/mmol	>30 mg/mmol
GFR categories (ml/min/ 1.73 m²) Description and range	**G1**	Normal or high	≥90		🟩	🟨	🟧
	G2	Mildly decreased	60-89		🟩	🟨	🟧
	G3a	Mildly to moderately decreased	45-59		🟨	🟧	🟥
	G3b	Moderately to severely decreased	30-44		🟧	🟥	🟥
	G4	Severely decreased	15-29		🟥	🟥	🟥
	G5	Kidney failure	<15		🟥	🟥	🟥

Source: Eknoyan G, Lameire N, Eckardt K, Kasiske B, Wheeler D, Levin A, Stevens PE, Bilous RW, Lamb EJ, Coresh JJ. KDIGO 2012 clinical practice guideline for the evaluation and management of chronic kidney disease. Kidney int. 2013 Jan 1;3(1):5-14.

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