

Estimated Glomerular Filtration Rate — CKD-EPI 2021 (race-free) (eGFR (CKD-EPI 2021))

Category: Nephrology, General | Items: 3 | Time: ~1-2 min

Description / When to Use

Estimated kidney function from serum creatinine

Instructions for Respondent

Please read each statement carefully and respond based on how you have felt over the specified time period. There are 3 items in this scale. Estimated completion time: 1-2 min.

Scale Items

1. Serum creatinine (mg/dL)
2. Age (years)
3. Sex

Scoring Guide

Computed via formula. See original publication for details.

Cutoff Interpretation

Score Range	Severity	Recommended Action
0–14	G5 — kidney failure	GFR < 15 mL/min/1.73 m ² — kidney failure; consider PPT planning
15–29	G4 — severely decreased	GFR 15–29; nephrology referral if not already; prepare for RRT.
30–44	G3b — moderately–severely decreased	GFR 30–44; manage CKD complications.
45–59	G3a — mildly–moderately decreased	GFR 45–59; assess and treat risk factors.
60–89	G2 — mildly decreased	GFR 60–89 — only abnormal if accompanied by kidney damage markers
90–200	G1 — normal or high	GFR >= 90 — only abnormal if accompanied by kidney damage markers.

Psychometric Properties

See original validation study for reliability and validity data.

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Citation (APA Format)

Inker LA et al. New creatinine- and cystatin C-based equations to estimate GFR without race. *N Engl J Med.* 2021;385(19):1737-1749.
 DOI: 10.1056/NEJMoa2102953

Disclaimer: Race-free 2021 equation. Result is in mL/min/1.73 m². For SI creatinine (umol/L) divide by 88.4 first.