

## Estimated Glomerular Filtration Rate (eGFR)- Updated Calculation

Date: January 31<sup>st</sup>, 2022

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Effective Date: March 1<sup>st</sup>, 2022

The University of Rochester Medicine Labs and Affiliates will use an updated calculation for eGFR beginning March 1, 2022.

For the last 20 years, the eGFR formula based on creatinine levels, included factors such as age, sex and race. Due to growing awareness that race is a social construct, and that adding race to medical equations can have unintended consequences, we are adopting the 2021 CKD-EPI Refit Equation which does not involve race. There may be a small change in the eGFR initially, yet this equation does not reduce the accuracy of eGFR.

The updated comment for eGFR by Creatinine is shown below:

**eGFR by creatinine was calculated using the 2021 CKD-EPI refit equation (1).**

**An eGFR < 60ml/min/1.73 m<sup>2</sup> suggests kidney disease in those below the age of 65. People aged ≥65 may or may not have CKD with eGFR < 60 mL/min/1.73 m<sup>2</sup>.**

**A concurrent blood test for cystatin C and the use of an equation that combines both serum creatinine and cystatin C provides a more accurate GFR estimate than one using creatinine or cystatin C alone.**

**([https://www.kidney.org/professionals/kdoqi/gfr\\_calculator](https://www.kidney.org/professionals/kdoqi/gfr_calculator)).**

1. Am J Kidney Dis. 2021 Sep 22: S0272-6386 (21) 00828-3.

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