

LabMed Report

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**In this issue: New eGFR Calculation
1 Value for All Patients**

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Effective Monday, April 10, 2023, a new formula is being used to calculate the Glomerular Filtration Rate (GFR). The new estimated Glomerular Filtration Rate (eGFR) will more accurately calculate GFR results for all ethnicities.

The CDK-EPI 2021 eGFR (1 value) will replace the current MDRD equation (2 values).

- Whereas the current MDRD equation calculates 2 values, 1 for African Americans and 1 for non-African Americans, the CDK-EPI 2021 equation will report 1 eGFR.
- Both the National Kidney Foundation and the American Society of Nephrology recommend 1, unified value for eGFR.
- Compared with MDRD, CKD-EPI has been shown to capture eGFR more accurately across a wider range of kidney function and demographic variables.
- The 2021 update to CKD-EPI removed the race coefficient as evidence now demonstrates systemic misdiagnosis of racial and ethnic minorities due to this coefficient. This new equation offers more accurate information across a variety of demographics without a disproportionate effect for any one racial or ethnic group. This change helps to increase dialogue among patients and providers without being driven by race or background.

Normal result values are not changing with the new formula; 60mL/min/1.73m² and above is still considered normal kidney function.

All MHC EHRs (Cerner Millenium, Cerner Community Works, Meditech) have been updated to reflect the new calculation for eGFR.

The transition to eGFR is part of MHC's move to standardize lab critical values across the system.

For more on eGFR and other lab updates, [watch](#) the April 5 Munson Healthcare Provider Forum with guests Dr. William Kanner, Dr. J. William (Bill) Rawlin, and Bonnie Torres.

References:

- National Kidney Foundation Article: www.kidney.org/news [U.S. Laboratories Endorse Race-Free Equations | National Kidney Foundation](#)
- eGFR Clinician Summary: [www.kidney.org/Summary of eGFR for ordering Clinicians](http://www.kidney.org/Summary_of_eGFR_for_ordering_Clinicians)
- NEJM Article: [https://www.nejm.org/Estimate GFR without Race](https://www.nejm.org/Estimate_GFR_without_Race)