

# Chemistry Testing Update

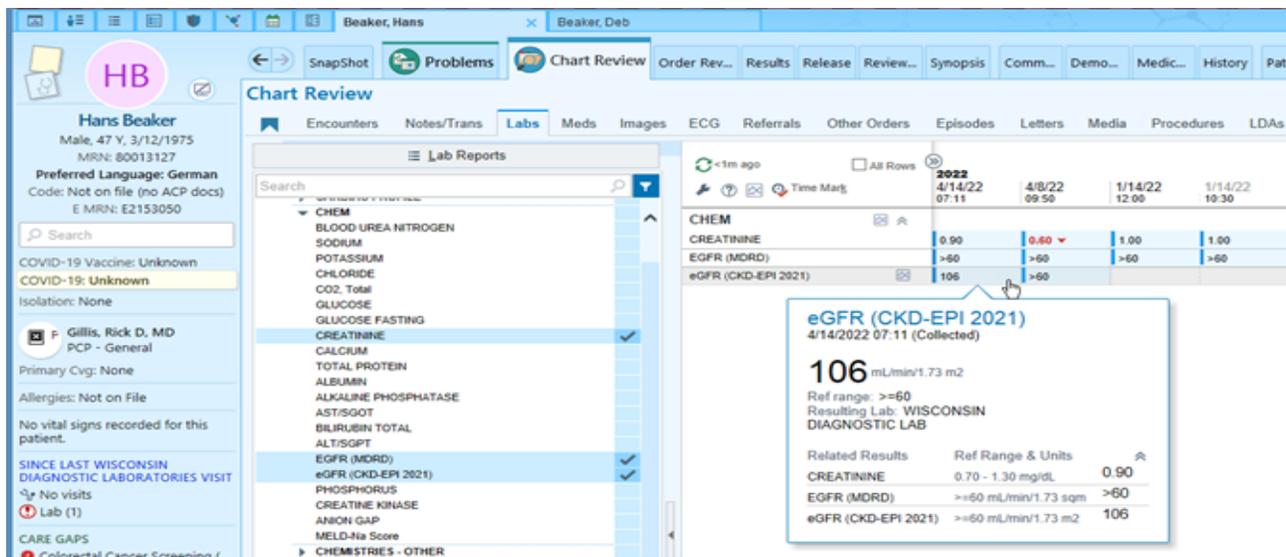
Effective June 14, 2022

## Estimated Glomerular Filtration Rate (eGFR) Testing Update

**Effective June 14, 2022**, The Froedtert Health System is changing the calculation of estimated glomerular filtration rate (eGFR) from creatinine to the new CKD-EPI 2021 equation that **does not include a race coefficient**.

The new equation is recommended by the National Kidney Foundation and the American Society of Nephrology's Task Force on Reassessing the Inclusion of Race in Diagnosing Kidney Disease. The new eGFR<sub>CR</sub> equation has similar overall performance characteristics to the older equations and has been assessed to not have potential consequences that disproportionately affect any one group of individuals. For most patients the eGFR<sub>CR</sub> result will be similar, however, for some, the values may differ by more than 10% particularly at higher values of eGFR<sub>CR</sub> and for younger adult ages.

The eGFR<sub>CR</sub> values using the new equation will only report one value and will use nomenclature to distinguish results from the older equations. Results will not trend with those using the older equations. The new report name is "eGFR (CKD-EPI 2021)" for all locations. The legacy eGFR result will be renamed "eGFR (MDRD)." Epic users will need to update their personal documentation tools, e.g., SmartPhrases or BriefLab.



Test	4/14/22 07:11	4/8/22 09:50	1/14/22 12:00	1/14/22 10:30
CREATININE	0.90	0.60	1.00	1.00
EGFR (MDRD)	>60	>60	>60	>60
eGFR (CKD-EPI 2021)	106	>60		

**eGFR (CKD-EPI 2021)**  
4/14/2022 07:11 (Collected)

**106** mL/min/1.73 m2

Ref range: >=60  
Resulting Lab: WISCONSIN DIAGNOSTIC LAB

Related Results	Ref Range & Units	Value
CREATININE	0.70 - 1.30 mg/dL	0.90
EGFR (MDRD)	>=60 mL/min/1.73 sqm	>60
eGFR (CKD-EPI 2021)	>=60 mL/min/1.73 m2	106

Additional tests available in the Health System for renal evaluation include Cystatin C with eGFR by Cystatin C [LAB10209] and Microalbumin Urine Random [LAB9245] or 24-hour [LAB9246], both of which include the calculation of Microalbumin to Creatinine ratio.

### QUESTIONS:

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