

# Change in LDL Calculation Equation

**Effective June 6, 2023**

## Change in LDL Calculation Equation

**WHO:** Ambulatory and inpatient providers, including Froedtert South, who order calculated LDL cholesterol as part of a lipid panel

**WHAT:** Currently, LDL cholesterol is calculated using the Friedewald equation, which generates an accurate estimate up to triglyceride concentrations of 400 mg/dL but underestimates LDL at triglyceride concentrations above this threshold. On 6/6/23, we will switch to the Sampson equation, which generates accurate estimates of LDL cholesterol up to triglyceride concentrations of 800 mg/dL.

**WHEN:** Effective 6/6/23

**QUESTIONS:**

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**EPIC SUPPORT:**

Any questions or concerns regarding this change can be directed to the Epic help desk at 805-2101. They will direct you to the appropriate person.

Thank you in advance for your prompt attention.

All archived CMIO's can be accessed through the following link: <http://intranet.froedtert.com/?id=134&sid=1>

