Calculated LDL cholesterol is used for atherosclerotic risk assessment as well as in the diagnosis and monitoring of lipid and lipoprotein metabolic disorders.

As of September 18, 2023 LDL-C has been calculated using NIH equation:

$$\text{LDL-c} = \frac{TC}{0.948} - \frac{HDL\text{-}c}{0.971} - \left(\frac{TG}{3.74} + \frac{TG \times Non\text{-}HDL\text{-}c}{24.16} - \frac{TG^2}{79.36} \right) - 0.244$$

Where TC is total cholesterol and TG is triglycerides.