



To: Medical Staff

From: Robert Ridenour, III, MD
Chemistry Section Medical Director

Date: January 23, 2018

Subject: Effective February 1st, 2018 - New Equation for eGFR and will report eGFR up to 90

HSHS Sacred Heart and St. Joseph's Hospital laboratories are switching to a new equation for calculating eGFR on February 1st. The labs will be switching from the MDRD equation to the CKI-EPI (Chronic Kidney Disease Epidemiology Collaboration) equation.

The CKI-EPI equation has proven to be just as accurate as the MDRD equation in patients with eGFR<60, but substantially more accurate in the subgroup of patients with eGFR >60. Therefore, the labs will now be able to report eGFR up to 90. This change should aid in diagnosing patients with acute kidney injury and aid in detection of chronic kidney disease progression.

Just as with the old MDRD equation, the CKI-EPI equation has not been validated for some populations including children (age <18 years), pregnant women, and some racial or ethnic subgroups, such as Hispanics.

Please feel free to contact the lab if you have any questions.