Table II. Chronic Kidney Disease Epidemiology Collaboration (CKD-EPI) equation and the Modified Diet in Renal Disease (MDRD)

Algorithm One:

Chronic Kidney Disease Epidemiology Collaboration (CKD-EPI)

$GFR = 141 \times \min(S_{cr}/\kappa, 1)^{\alpha} \times \max(S_{cr}/\kappa, 1)^{-1.209} \times 0.993^{Age} \times 1.018$ [if female] $\times 1.159$ [if black]

S_{cr} is serum creatinine in mg/dL, κ is 0.7 for females and 0.9 for males, α is -0.329 for females and -0.411 for males, min indicates the minimum of S_{cr}/κ or 1, and max indicates the maximum of S_{cr}/κ or 1.

Algorithm Two:

Modified Diet in Renal Disease (MDRD)

$GFR\ (mL/min/1.73\ m^2) = 175 \times (S_{cr})^{-1.154} \times (Age)^{-0.203} \times (0.742$ if female) $\times (1.212$ if African American)