

Supplemental Table 1

Bias, precision, and accuracy of estimating equations stratified for mGFR based CKD stages ( $\geq 60$ , 30-59, 15-29,  $< 15$  ml/min/1.73m<sup>2</sup>)

GFR estimating equations (ml/min/1.73m <sup>2</sup> )	$\geq 60$ (N=460)	30-59 (N=556)	15-29 (N=106)	$< 15$ (N=17)
<b>eGFR MDRD</b>				
<b>Percentage Bias (95% CI)</b>	-12.5% (-14.4, -10.6)	-1.1% (-3.4, 1.3)	22.2% (14.8, 29.5)	90.4% (50.5, 130.4)
<b>Precision (SD) (ml/min/1.73m<sup>2</sup>)</b>	16.2	11.9	9.27	9.3
<b>Accuracy 10%</b>	27.6	35.8	22.6	5.9
<b>Accuracy 30%</b>	82.0	84.9	58.5	29.4
<b>eGFR Cr</b>				
<b>Percentage Bias (95% CI)</b>	-6.9% (-8.7, -5.1)	4.4% (2.2, 6.7)	25.8% (18.0, 33.7)	91.3% (49.0, 133.6)
<b>Precision (SD) (ml/min/1.73m<sup>2</sup>)</b>	15.0	11.9	9.80	9.8
<b>Accuracy 10%</b>	37.4	36.2	23.6	17.6
<b>Accuracy 30%</b>	82.0	84.9	58.5	29.4
<b>eGFR Cys</b>				
<b>Percentage Bias (95% CI)</b>	-17.6% (-19.1, -16.1)	-14.0% (-15.6, -12.4)	-6.96% (-12.4, -1.6)	57.0% (21.1, 92.8)
<b>Precision (SD) (ml/min/1.73m<sup>2</sup>)</b>	13.3	9.02	6.90	7.1
<b>Accuracy 10%</b>	26.7	28.8	28.3	23.5
<b>Accuracy 30%</b>	76.7	77.7	80.2	47.1
<b>eGFR Cr-Cys</b>				
<b>Percentage Bias (95% CI)</b>	-13.5% (-14.9, -12.2)	-7.9% (-9.5, -6.4)	3.3% (-2.3, 9.0)	63.0% (32.2, 93.8)
<b>Precision (SD) (ml/min/1.73m<sup>2</sup>)</b>	11.8	8.4	7.3	6.3
<b>Accuracy 10%</b>	32.0	34.5	32.1	29.4
<b>Accuracy 30%</b>	87.4	88.5	79.2	41.2