

Table S5: Performance metrics of the CKD-EPI and the MDRD Study equations by study						
Metric	Equation	Mayo	Groningen	Baylor	Lund	CCFP
Mean Error (ml/min/1.73 m ²)	CKD-EPI	-1.1 (-1.9, -0.3)	2.0 (1.0, 3.1)	2.8 (0.7, 4.9)	-1.6 (-4.9, 1.6)	-6.5 (-14.3, 1.4)
	MDRD Study	2.2 (1.4, 3.0)	6.0 (4.9, 7.0)	6.6 (4.5, 8.7)	1.6 (-1.6, 4.7)	-2.2 (-9.0, 4.6)
Median Percent Error (%)	CKD-EPI	-2.4 (-4.5, -0.8)	3.9 (1.9, 5.9)	4.2 (2.0, 7.1)	-3.6 (-10.6, 4.7)	-10.6 (-30.6, 18.5)
	MDRD Study	3.6 (2.0, 5.6)	10.8 (8.9, 12.3)	9.9 (7.3, 12.7)	1.6 (-7.9, 6.2)	-2.2 (-16.7, 26.0)
Mean Percent Error (%) (log scale)	CKD-EPI	-3.5 (-5.1, -2.0)	3.5 (1.6, 5.4)	2.6 (-1.1, 6.2)	-4.4 (-12.4, 3.0)	-12.8 (-27.7, 0.4)
	MDRD Study	2.3 (0.8, 3.8)	10.4 (8.6, 12.1)	8.6 (5.2, 12.0)	2.2 (-5.4, 9.3)	-5.5 (-19.1, 6.6)
Mean Absolute Error (ml/min/1.73 m ²)	CKD-EPI	10.2 (9.7, 10.8)	9.5 (8.8, 10.2)	13.5 (12.1, 14.8)	6.3 (4.1, 8.5)	9.0 (2.4, 15.6)
	MDRD Study	10.3 (9.7, 10.8)	10.5 (9.7, 11.3)	14.2 (12.7, 15.6)	5.8 (3.6, 8.1)	7.0 (2.0, 12.1)
Median Absolute Percent Bias (%)	CKD-EPI	15.7 (14.5, 16.8)	14.5 (12.8, 16.0)	18.9 (16.4, 21.1)	11.1 (4.0, 16.8)	16.5 (0.0, 23.7)
	MDRD Study	16.1 (15.0, 17.4)	16.6 (15.0, 18.2)	19.5 (17.1, 22.1)	11.5 (8.4, 19.0)	13.6 (3.1, 24.9)
Mean Absolute Percent Error (%) log scale	CKD-EPI	21.6 (20.4, 22.9)	20.3 (18.8, 21.8)	28.1 (25.2, 31.0)	15.9 (10.3, 21.8)	21.0 (12.1, 30.6)
	MDRD Study	22.0 (20.8, 23.3)	23.0 (21.4, 24.6)	29.9 (27.0, 32.9)	15.2 (9.4, 21.3)	17.4 (9.7, 25.7)
P ₃₀ (%)	CKD-EPI	79.4 (76.9, 81.7)	81.2 (77.7, 84.3)	73.6 (69.1, 77.7)	90.9 (71.5, 97.5)	66.7 (31.2, 89.8)
	MDRD Study	81.0 (78.6, 83.2)	80.5 (77.0, 83.6)	70.3 (65.6, 74.6)	88.6 (69.1, 96.5)	80.0 (40.6, 95.9)
Point estimates (mean or median as appropriate for the distribution) and 99.6 % CIs for the equation performance metrics for the CKD-EPI and the MDRD Study equation in study based categories are shown. Mayo; Mayo Clinic, Rochester, MN, US. Baylor; Baylor University Medical Center, Dallas, TX. Groningen; Groningen Institute for Kidney Diseases, Groningen, Netherlands. Lund; Division of Nephrology Lund University, Lund, Sweden. CCFP; Cleveland Clinic Foundation Prospective Cohort, Cleveland, OH, US.						