Additional file 1. CKD-EPI eGFR predictive models for vancomycin trough with and without

both BSA normalization for 1.73 m² and weight

Model variable ^a	Model fit (<i>R</i> ²)
Model 5: eGFR with CKD EPI _{creatinine}	
Intercept	
Vancomycin total dose (g)	
Every 8 hour interval	
Every 12 hour interval	
Every 24 hour interval	
and	
eGFR in mL/min/1.73m ²	0.330
eGFR in mL/min/1.73m ² and weight	0.384
eGFR in mL/min ^b	0.394
eGFR in mL/min and weight ^b	0.396
Model 6: eGFR with CKD EPI _{cystatin C}	
Intercept	
Vancomycin total dose (g)	
Every 8 hour interval	
Every 12 hour interval	
Every 24 hour interval	
and	
eGFR in mL/min/1.73m ²	0.525
eGFR in mL/min/1.73m ² and weight	0.544
eGFR in mL/min ^b	0.538
eGFR in mL/min and weight ^b	0.538
Model 7: eGFR with CKD EPI _{creatinine-cystatin C}	
Intercept	
Vancomycin total dose (g)	
Every 8 hour interval	
Every 12 hour interval	
Every 24 hour interval	
and	
eGFR in mL/min/1.73m ²	0.536
eGFR in mL/min/1.73m ² and weight	0.574
eGFR in mL/min ^b	0.580
eGFR in mL/min and weight ^b	0.580

being drawn. Per the study definition this represents three doses of vancomycin therapy. ^b: To convert from mL/min/1.73² multiply by [(0.007184*Height (cm)^{0.725*}Weight (kg)^{0.425})/1.73] [37]