Supplemental Table 1: Unadjusted and adjusted (age, gender, race/ethnicity, BMI category, cART, and viral load) models for the association of the natural-log transformed UP/Cr (mg/g) and CD4$^+$ T-lymphocyte count. Top panel shows β ± SE using Linear Regression and the bottom panel shows the OR (95% CI) for proteinuria using logistic regression.

Linear Regression Models for natural-log transformed UP/Cr	β ± SE	p-value
Unadjusted model		
Absolute CD4+ Cell Count (cells/mm^3)		
0-199	0.52 ± 0.12	<0.0001***
200-499	0.10 ± 0.09	0.29
≥ 500	ref	ref
Final Model		
Absolute CD4+ Cell Count (cells/mm^3)		
0-199	0.44 ± 0.12	0.001***
200-499	0.10 ± 0.09	0.31
≥ 500	ref	ref
Age	-0.03 ± 0.03	0.21
Gender		
Female versus male	0.14 ± 0.08	0.09
Race/Ethnicity		
Black, non-Hispanic	-0.06 ± 0.11	0.54
Hispanic (White, Black, and Other)	0.17 ± 0.13	0.18
Other (White and Other non-Hispanic)	ref	ref
BMI Category		
<18.5 kg/m^2 (underweight)	0.28 ± 0.15	0.06
18.5-24.9 kg/m^2 (normal weight)	0.14 ± 0.09	0.10
25-29.9 kg/m^2 (overweight)	-0.07 ± 0.09	0.45
≥ 30 kg/m^2 (obese)	ref	ref
cART		
yes versus no	0.10 ± 0.07	0.15
HIV viral load, mean $\log_{10}$ (copies/mm^3)	0.01 ± 0.03	0.66

Logistic Regression Models for Proteinuria	OR (95% CI)	p-value
Unadjusted model		
Absolute CD4+ Cell Count in cells/mm^3		
0-199	3.7 (1.5-8.9)	0.004**
200-499	1.2 (0.51- 2.7)	0.71

≥ 500	ref	ref
Final Model		
Absolute CD4+ Cell Count in cells/mm^3		
0-199	4.0 (1.3-12.1)	0.01**
200-499	1.4 (0.60-3.4)	0.50
≥ 500	ref	ref
Age	0.71 (0.55-0.92)	0.01**
Gender		
Female versus male	1.1 (0.53-2.4)	0.74
Race/Ethnicity		
Black, non-Hispanic	0.54 (0.20-1.5)	0.21
Hispanic (White, Black, and Other)	2.1 (0.67-6.4)	0.24
Other (White and Other non-Hispanic)	ref	ref
BMI Category		
<18.5 kg/m^2 (underweight)	5.5 (1.4-21.1)	0.01**
18.5-24.9 kg/m^2 (normal weight)	3.0 (1.1-8.1)	0.03*
25-29.9 kg/m^2 (overweight)	1.3 (0.42-3.9)	0.66
≥ 30 kg/m^2 (obese)	ref	ref
cART		
Yes vs No	1.0 (0.53-2.1)	0.91
HIV viral load, mean log10 (copies/mm^3)	0.97 (0.70-1.33)	0.83

Proteinuria was defined as UP/Cr ≥ 200mg/g, where UP/Cr=natural-log transformed Urinary Protein to Creatinine Ratio in mg/g
Odds Ratio=OR; 95% CI=95% Confidence Interval; SE=Standard Error
Unadjusted model=adjustment for absolute CD4+ cell count in cells/mm^3
Final model = Adjusted for absolute CD4+ cell count in cells/mm^3, age, gender, race and ethnicity, body mass index (BMI) category, combination antiretroviral treatment (cART), and HIV viral load (mean log10 copies/mm^3)
*p<0.05, **p<0.01, ***p<0.001

Supplemental Table 2: Unadjusted and adjusted (age, gender, race/ethnicity, BMI category, cART, and viral load) models for the association of serum Cystatin C in mg/L and $CD4^+$ T-lymphocyte count. Top panel shows β ± SE using Linear Regression and the bottom panel shows the OR (95% CI) for elevated serum Cystatin C using logistic regression.

Linear Regression Models for Serum Cystatin C (mg/L)			
		β ± SE	**p-value**
Unadjusted model			
Absolute CD4+ Cell Count (cells/mm^3)			
	0-199	0.07 ± 0.03	0.01**
	200-499	0.04 ± 0.02	0.04*
	≥ 500	ref	ref
Final Model			
Absolute CD4+ Cell Count (cells/mm^3)			
	0-199	0.05 ± 0.03	0.08
	200-499	0.03 ± 0.02	0.20
	≥ 500	ref	ref
Age		0.0004 ± 0.01	0.94
Gender			
	Female versus male	-0.06 ± 0.02	0.0004***
Race/Ethnicity			
	Black non-Hispanic	-0.04 ± 0.02	0.05*
	Hispanic	-0.06 ± 0.03	0.03*
	Other	ref	ref
BMI Category			
	<18.5 kg/m^2 (underweight)	-0.10 ± 0.03	0.001**
	18.5-24.9 kg/m^2 (normal weight)	-0.04 ± 0.02	0.03*
	25-29.9 kg/m^2 (overweight)	-0.05 ± 0.02	0.02*
	≥ 30 kg/m^2 (obese)	ref	ref
cART			
	yes versus no	-0.01 ± 0.02	0.67
HIV viral load, mean log_{10} (copies/mm^3)		0.02 ± 0.01	0.001***

Logistic Regression Models for elevated serum cystatin C			
		OR (95% CI)	**p-value**
Unadjusted model			
Absolute CD4+ Cell Count (cells/mm^3)			
	0-199	2.0 (0.82-5.04)	0.13
	200-499	2.7 (1.3-5.3)	0.01**

	≥ 500	ref	ref
Final Model			
Absolute CD4+ Cell Count (cells/mm^3)			
	0-199	1.8 (0.56-5.4)	0.34
	200-499	2.4 (1.1-5.2)	0.03*
	≥ 500	ref	ref
Age		0.83 (0.65-1.1)	0.14
Gender			
	Female versus male	0.30(0.15-0.59)	0.001***
Race/Ethnicity			
	Black non-Hispanic	0.30 (0.10-0.87)	0.03*
	Hispanic	0.44 (0.19-1.0)	0.05*
	Other	ref	ref
BMI Category			
	<18.5 kg/m^2 (underweight)	0.21 (0.05-1.0)	0.05*
	18.5-24.9 kg/m^2 (normal weight)	0.61 (0.28-1.3)	0.20
	25-29.9 kg/m^2 (overweight)	0.56 (0.23-1.3)	0.18
	≥ 30 kg/m^2 (obese)	ref	ref
cART			
	Yes vs No	0.65 (0.35-1.2)	0.19
HIV viral load, mean log10 (copies/mm3)		1.4 (1.1-2.0)	0.02*

Odds Ratio=OR; 95% CI=95% Confidence Interval; SE=Standard Error
Elevated serum cystatin C defined as ≥75% (0.783 mg/L) for logistic regression.
Unadjusted model=adjustment for absolute CD4+ cell count in cells/mm^3
Final model = Adjusted for absolute CD4+ cell count in cells/mm^3, age, gender, race and ethnicity, body mass index (BMI) category, combination antiretroviral treatment (cART), and HIV viral load (mean log10 copies/mm^3)
*p<0.05, **p<0.01, ***p<0.001