

FIGURE LEGENDS

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APPENDIX Table 1. Association of categories of eGFR by creatinine and LV mass, geometry, and hypertrophy among persons with CKD and without heart failure

	eGFRcr ≥ 60 n=360	eGFRcr 45-59 n=1044	eGFRcr 30-44 n=1242	eGFRcr <30 n=816
Left Ventricular Mass (g/m^{2.7}) (absolute change (95% CI))				
Demographic adjusted only	Ref.	0.3 (-1.4-1.9) P=0.747	1.9 (0.2-3.5) P=0.030	6.0 (4.2-7.7) P<0.001
Multivariable adjusted*	Ref.	-0.4 (-1.9 to 1.1) P=0.633	0.1 (-1.4 to 1.7) P=0.857	4.1 (2.4-5.7) P<0.001
Fully adjusted**	Ref.	-1.0 (-2.6 to 0.5) P=0.200	-1.4 (-3.0 to 0.2) P=0.094	0.7 (-1.1 to 2.6) P=0.437
** plus FGF23, phosphate, calcium and PTH	Ref.	-0.9 (-2.4 to 0.7) P=0.291	-1.5 (-3.2 to 0.1) P=0.069	-0.1 (-2.1 to 1.8) P=0.881
Left Ventricular Hypertrophy (odds ratio (95% CI))				
Demographic adjusted only	Ref.	1.3 (1.0-1.8) P=0.051	1.6 (1.2-2.2) P=0.002	3.2 (2.3-4.4) P<0.001
Multivariable adjusted†	Ref.	1.3 (0.9-1.8) P=0.154	1.4 (1.0- 1.9) P=0.088	2.9 (2.0-4.3) P<0.001
Fully adjusted††	Ref	1.2 (0.9-1.8) P=0.272	1.1 (0.8-1.6) P=0.644	1.7 (1.1-2.6) P=0.013
†† plus FGF23, phosphate, calcium and PTH	Ref.	1.2 (0.8-1.7) P=0.325	1.0 (0.7-1.5) P=0.948	1.4 (0.9-2.2) P=0.122
Left Ventricular Geometry (odds ratio (95% CI))				
Demographic adjusted only	Ref.	1.4 (1.0-1.9) P=0.025	1.7 (1.3-2.4) P=0.001	3.4 (2.4-4.7) P<0.001
Multivariable adjusted£	Ref.	1.4 (1.0-1.9) P=0.087	1.4 (1.0-2.0) P=0.053	3.1 (2.1-4.5) P<0.001
Fully adjusted££	Ref.	1.3 (0.9-1.9) P=0.154	1.2 (0.8-1.7) P=0.458	1.8 (1.2-2.8) P=0.006
££ plus FGF23, phosphate, calcium and PTH	Ref.	1.3 (0.9-1.9) P=0.182	1.1 (0.7-1.6) P=0.725	1.5 (1.0-2.4) P=0.074

Adjustment the same as in Table 2

Demographic adjusted models are adjusted for age, sex, race, and site. Multivariable adjusted models include variables with p<0.05 in univariate models; demographics are forced in the model.

* adjusted for age, sex, race, site, htn, dm, LDL, HDL, serum albumin, any CV events, PVD, hsCRP, current smoker, cocaine use, BMI categories.

** additionally adjusted for albuminuria categories, hemoglobin categories

† adjusted for age, sex, race, site, htn, dm, LDL, HDL, high cholesterol, serum albumin, any CV events, PVD, hsCRP, and BMI categories.

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£ adjusted for age, sex, race, site, htn, dm, LDL, HDL, high cholesterol, serum albumin, any CV events, PVD, hsCRP, and BMI categories

££ additionally adjusted for albuminuria categories, hemoglobin categories

APPENDIX Table 2. Association of categories of eGFR by creatinine with diastolic and systolic dysfunction among persons with CKD and without heart failure

	eGFRcr ≥60	eGFRcr 45-59	eGFRcr 30-44	eGFRcr <30
Diastolic Dysfunction (odds ratio (95% CI)) dichotomized outcome (normal vs. all other)				
	n= 276	n= 872	n= 1038	n= 679
Demographic adjusted	Ref.	1.1 (0.8-1.5) P=0.606	1.2 (0.9-1.6) P=0.237	1.5 (1.0-2.0) P=0.025
	n= 263	n= 835	n= 980	n= 647
Multivariate adjusted*	Ref.	1.1 (0.8-1.5) P=0.705	1.1 (0.8-1.6) P=0.470	1.3 (0.9-1.8) P=0.160
	n= 263	n= 835	n= 980	n= 647
Fully adjusted **	Ref.	1.1 (0.8-1.5) P=0.644	1.2 (0.8-1.6) P=0.360	1.4 (1.0-2.0) P=0.062
	N=256	N=825	N=963	N=635
**plus PTH	Ref.	1.0 (0.7-1.4) P=0.947	1.1 (0.8-1.5) P=0.648	1.3 (0.8-1.8) P=0.257
Systolic Dysfunction (odds ratio (95% CI))				
	n= 325	n=923	n=1,084	n= 729
Demographic adjusted	Ref.	0.7 (0.5-1.1) P=0.146	0.6 (0.4-0.9) P=0.023	0.9 (0.6-1.5) P=0.733
	n= 313	n=883	n=1,026	n=694
Multivariate adjusted†	Ref.	0.7 (0.4-1.1) P=0.099	0.5 (0.3-0.9) P=0.009	0.8 (0.5-1.3) P=0.379
	n= 293	n=847	n=978	n=643
Fully adjusted††	Ref.	0.7 (0.4-1.1) P=0.087	0.5 (0.3-0.8) P=0.005	0.7 (0.4-1.1) P=0.131
	N=293	N=835	N=973	N=640
†† plus calcium	Ref.	0.7 (0.4-1.1) P=0.084	0.5 (0.3-0.8) P=0.005	0.6 (0.4-1.1) P=0.093

Adjustment the same as in table 3

Demographic adjusted models are adjusted for age, sex, race, and site. Multivariable adjusted models include variables with p<0.05 in univariate models; demographics are forced in the model.

* adjusted for age, sex, race, site, hypertension, diabetes, LDL, high cholesterol, serum albumin, BMI

** additionally adjusted for hemoglobin categories

† adjusted for age, sex, race, site, HDL, serum albumin, any CVD, and cocaine

†† additionally adjusted for albuminuria categories

Appendix Figure 1

Mean LV mass (indexed to body surface area) by category of eGFR by cystatin C

