Supplemental Tables:

Table S1. Multivariate adjusted (including adjustments for the use of angiotensin-converting enzyme inhibitors [ACEI] and beta adrenergic receptor blockers [β-blockers]) left ventricular (LV) systolic function in participants with or without increases in left ventricular mass (LVM) indexed to height^{2.7} (LVMI) or inappropriate increases in LVM (LVM_{inappr}).

	<u>L</u>	VM _{inappr}	<u>LVMI</u>		
	>150%	≤150%	>51 g/m ^{2.7}	≤51 g/m ^{2.7}	
Sample size	116	510	136	490	
Adjusted [†] LV ejection fraction (%)	62.4±7.8	67.9±7.5*	66.5±8.1	67.0±7.8	
Adjusted [†] LV FSmid (%)	20.9±5.4	23.5±5.2*	23.1±5.6	23.0±5.3	

FSmid, midwall fractional shortening. *p<0.0001 vs LVM_{inappr} \leq 150% or LVMI \leq 51 g/m^{2.7}. †Multivariate adjustments are for age, sex, LV systolic stress, HbA1c, pulse rate, the use of ACEIs and β-blockers, regular smoking, regular alcohol intake, waist circumference. Probability values are further adjusted for non-independence of family members.

Table S2. Multivariate adjusted (including adjustments for the use of angiotensin-converting enzyme inhibitors [ACEI] and beta adrenergic receptor blockers [β-blockers]) relationships between indexes of left ventricular mass (LVM) and systolic function with LVM expressed as an inappropriate increase in LVM (LVM_{inapor}), absolute LVM or LVM indexed to height^{2.7} (LVMI)(n=626).

	Partial r (CI)	p value	Partial r (CI)	p value	Partial r (CI)	p value		
Adjustmen	s confound	lers [†]	confounders [†] +	LVM	confounders [†] +	LVMI		
Left ventricular ejection fraction versus								
LVM_{inappr}	-0.41 (-0.47 to -0.34) <0.0001	-0.52* (-0.57 to -0	.46) <0.0001	-0.52 (-0.57 to -0.	46) <0.0001		
LVM	-0.08 (-0.16 to -0.00	4) =0.040	-	-	-	-		
LVMI	-0.06 (-0.14 to 0.02)	=0.12	-	-	-	-		
Left ventricular midwall fractional shortening versus								
LVM_{inappr}	-0.29 (-0.36 to -0.21) <0.0001	-0.42* (-0.48 to -0	.35) <0.0001	-0.40 (-0.46 to -0.	33) <0.0001		
LVM	-0.01 (-0.09 to 0.07)	=0.80	-	-	-	-		
LVMI	-0.02 (-0.10 to 0.06)	=0.66						

^{*}p<0.0001 vs correlation coefficients for LVM and LVMI. CI, confidence interval. †Adjustments are for age, sex, LV systolic stress, HbA1c, pulse rate, the use of ACEIs and β-blockers, regular smoking, regular alcohol intake, waist circumference and body height (when assessing relations with LVM). Probability values are further adjusted for non-independence of family member.