Supplemental Material Table S1: Multilevel regression models examining association between hip bone mineral density and fat to lean mass ratio in the participatns of the Andhra Pradesh Parents and Children Study (2009-2012).

		Model 2 β 95% CI	p	Model 3 β 95% CI	p
Women (pre)	n = 1200				
	FLR	0.008 (0.004 to 0.011)	<0.001	-0.01 (-0.014 to -0.006)	<0.001
Women (post)	n = 560				
	FLR	0.014 (0.009 to 0.019)	<0.001	-0.009 (-0.014 to -0.003)	0.005
Men	n = 2248				
	FLR	0.01 (0.004 to 0.017)	0.003	-0.046 (-0.054 to -0.039)	<0.001

CI = confidence interval; FLR = fat to lean mass ratio
All models are multilevel models adjusting for household level clustering. ϵ_{ij} and υ_j are errors terms for multilevel regression models accounting for individual and household level differences.
Model 3: HIP BMD = $\beta_0 + \beta_1$FLR + β_2AGE + β_3HEIGHT + $\epsilon_{ij} + \upsilon_j$
Model 4: HIP BMD = $\beta_0+\beta_1$FLR+β_2AGE+β_3HEIGHT+β_4WEIGHT+$\epsilon_{ij}+\upsilon_j$
Age (years); Height (cm); Fat and lean mass (kg)
FLR for women: $\frac{\text{fat mass}}{\text{lean mass}^{1.57}} \times 100$; for men:$\frac{\text{fat mass}}{\text{lean mass}^{1.66}} \times 100$