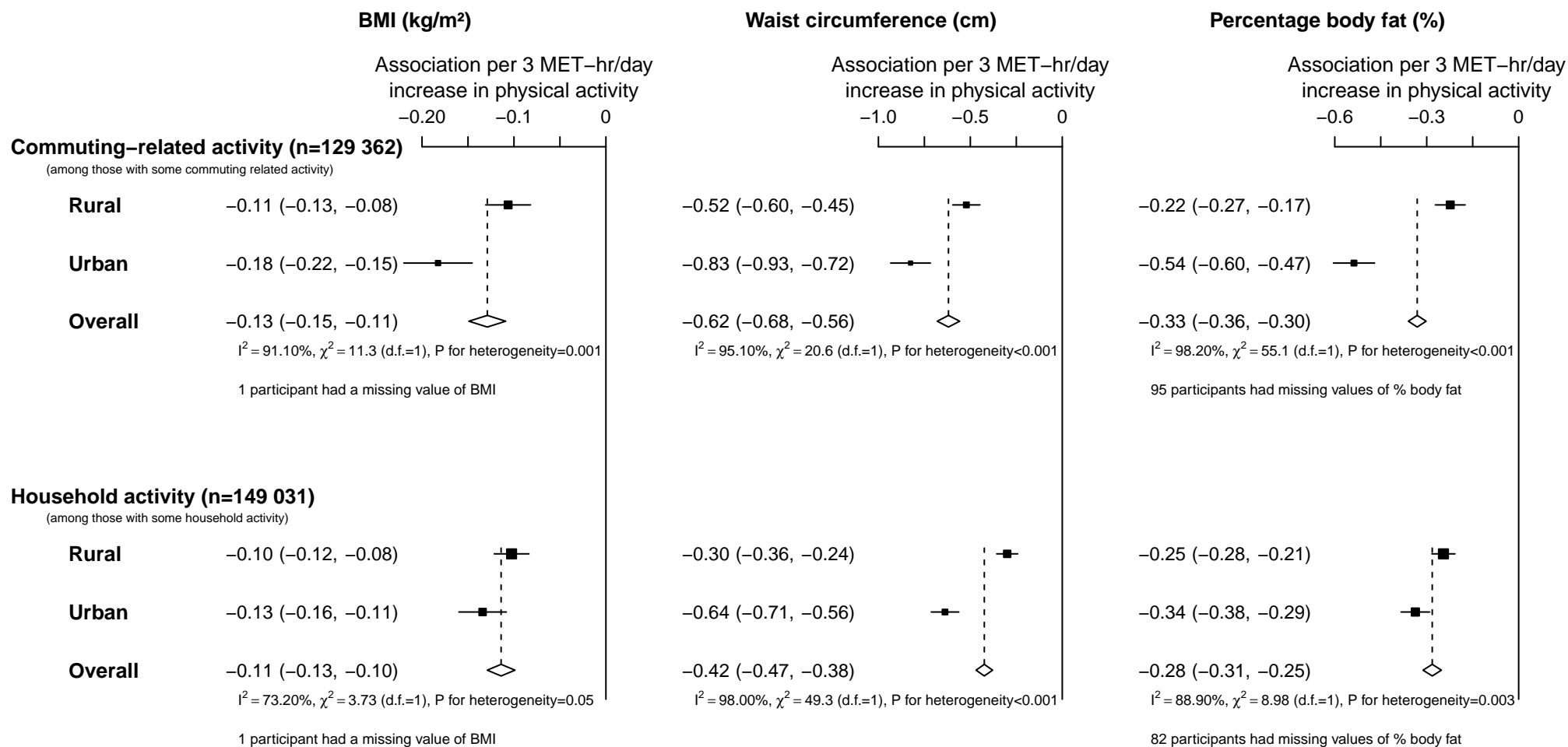# Additional file 2: Figure S2. Associations of commuting−related and household activity with BMI, waist circumference and percentage body fat in men with no history of major disease

BMI (kg/m²)

Association per 3 MET−hr/day increase in physical activity

−0.20   −0.1   0

Waist circumference (cm)

Association per 3 MET−hr/day increase in physical activity

−1.0   −0.5   0

Percentage body fat (%)

Association per 3 MET−hr/day increase in physical activity

−0.6   −0.3   0

Commuting−related activity (n=129 362)
(among those with some commuting related activity)

Rural   −0.11 (−0.13, −0.08)   −0.52 (−0.60, −0.45)   −0.22 (−0.27, −0.17)

Urban   −0.18 (−0.22, −0.15)   −0.83 (−0.93, −0.72)   −0.54 (−0.60, −0.47)

Overall   −0.13 (−0.15, −0.11)   −0.62 (−0.68, −0.56)   −0.33 (−0.36, −0.30)

$I^2 = 91.10\%$, $\chi^2 = 11.3$ (d.f.=1), P for heterogeneity=0.001 $I^2 = 95.10\%$, $\chi^2 = 20.6$ (d.f.=1), P for heterogeneity<0.001 $I^2 = 98.20\%$, $\chi^2 = 55.1$ (d.f.=1), P for heterogeneity<0.001

1 participant had a missing value of BMI   95 participants had missing values of % body fat

Household activity (n=149 031)
(among those with some household activity)

Rural   −0.10 (−0.12, −0.08)   −0.30 (−0.36, −0.24)   −0.25 (−0.28, −0.21)

Urban   −0.13 (−0.16, −0.11)   −0.64 (−0.71, −0.56)   −0.34 (−0.38, −0.29)

Overall   −0.11 (−0.13, −0.10)   −0.42 (−0.47, −0.38)   −0.28 (−0.31, −0.25)

$I^2 = 73.20\%$, $\chi^2 = 3.73$ (d.f.=1), P for heterogeneity=0.05 $I^2 = 98.00\%$, $\chi^2 = 49.3$ (d.f.=1), P for heterogeneity<0.001 $I^2 = 88.90\%$, $\chi^2 = 8.98$ (d.f.=1), P for heterogeneity=0.003

1 participant had a missing value of BMI   82 participants had missing values of % body fat

Associations were expressed as the regression coefficients (ß) for 3 MET−hr/day

Overall associations were estimated as inverse−variance−weighted averages