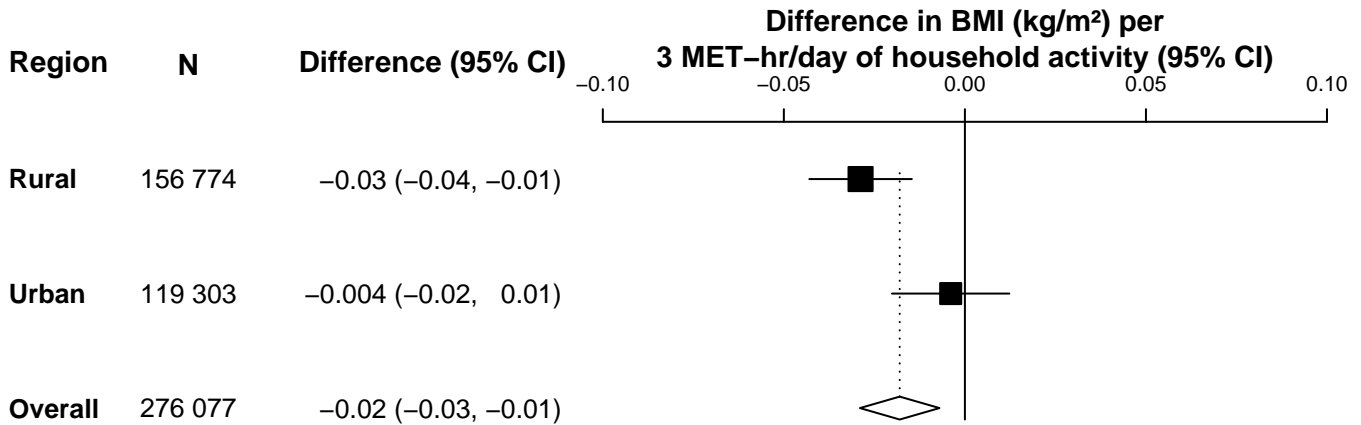**Additional file 3: Figure S3. Association of household activity with BMI, waist circumference and percentage body fat in 276 078 women with no history of major disease**
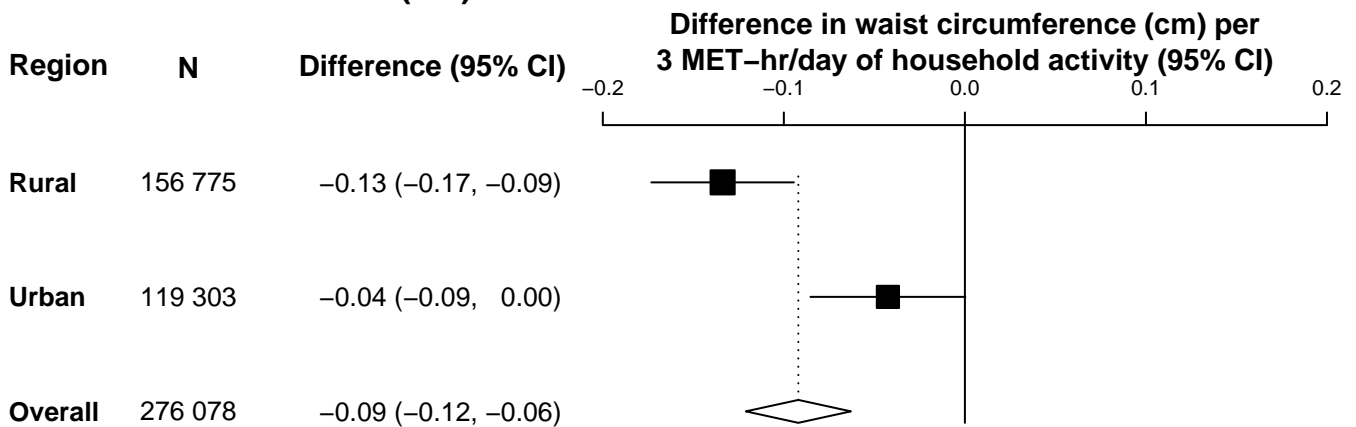
## A. BMI (kg/m²)

| Region | N | Difference (95% CI) |
|--------|---|---------------------|
| Rural | 156 774 | −0.03 (−0.04, −0.01) |
| Urban | 119 303 | −0.004 (−0.02,  0.01) |
| Overall | 276 077 | −0.02 (−0.03, −0.01) |

Difference in BMI (kg/m²) per 3 MET−hr/day of household activity (95% CI)

$I^2 = 80.5\%$, $\chi^2 = 5.14$ (d.f.=1), P for heterogeneity=0.023

1 participant had a missing value of BMI

## B. Waist circumference (cm)

| Region | N | Difference (95% CI) |
|--------|---|---------------------|
| Rural | 156 775 | −0.13 (−0.17, −0.09) |
| Urban | 119 303 | −0.04 (−0.09,  0.00) |
| Overall | 276 078 | −0.09 (−0.12, −0.06) |

Difference in waist circumference (cm) per 3 MET−hr/day of household activity (95% CI)

$I^2 = 89.4\%$, $\chi^2 = 9.47$ (d.f.=1), P for heterogeneity=0.002

## C. Percentage body fat

| Region | N | Difference (95% CI) |
|--------|---|---------------------|
| Rural | 156 677 | −0.07 (−0.10, −0.04) |
| Urban | 119 300 | −0.08 (−0.11, −0.04) |
| Overall | 275 977 | −0.07 (−0.10, −0.05) |

Difference in percentage body fat per 3 MET−hr/day of household activity (95% CI)
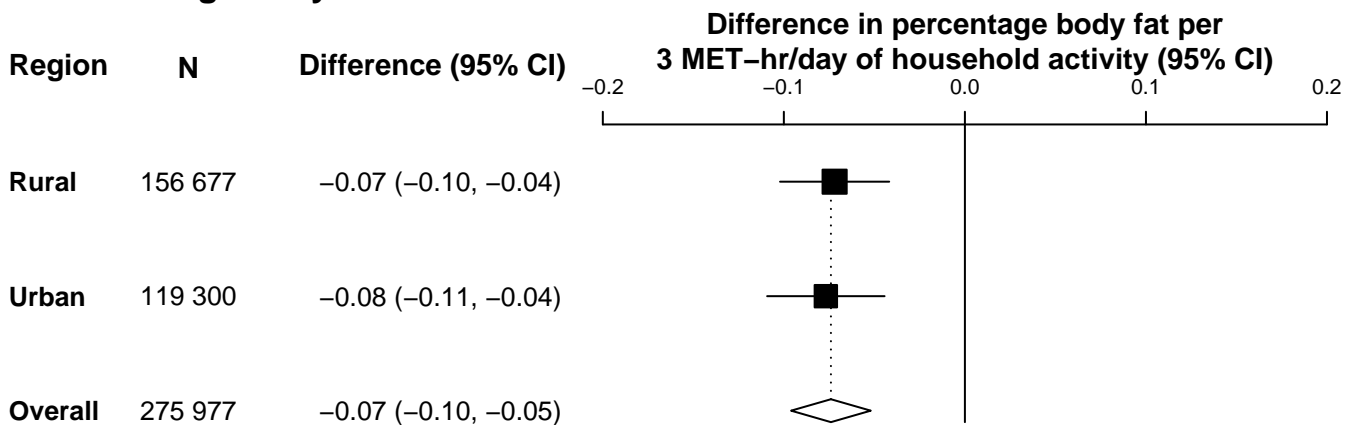
$I^2 = 0.0\%$, $\chi^2 = 0.05$ (d.f.=1), P for heterogeneity=0.83

102 participants had missing values of percentage body fat

Only those women who have some household activity were included in the analysis

Overall associations were estimated as inverse−variance−weighted averages