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#### SUPPLEMENTARY INFORMATION

Supplemental Figure 1: Minimally adjusted relative risks and 99% CIs per 10cm increase in measured height for incident hospital admission for fracture at various sites and total fractures in post-menopausal women  $^{\rm a\ b}$ 

## Fracture risk Trend per 10cm increase in HEIGHT (Minimally adjusted model, restricted to menopausal women)

|                           | N cases/N at risk | RR & 99% CI           |
|---------------------------|-------------------|-----------------------|
| ALL:                      |                   |                       |
| All fractures risk per    | 10cm 28431/796081 | - 1.22(1.19-1.26      |
| Upper Limb fracture site: |                   |                       |
| Radius and Ulna           | 1775/ 796081      | 1.34(1.20-1.49        |
| Humerus                   | 3036/ 796081      | <b>1.13(1.04-1.23</b> |
| Wrist                     | 9684/ 796081      | 1.20(1.15-1.26        |
| Lower Limb fracture site: |                   |                       |
| Neck of Femur             | 5734/ 796081      | 1.53(1.44-1.63        |
| Femur (not neck)          | 713/ 796081 -     | 0.98(0.82-1.17        |
| Patella                   | 649/ 796081       | 1.28(1.06-1.54        |
| Tibia and Fibula          | 1811/796081       | 1.08(0.97-1.21        |
| Ankle                     | 5523/ 796081      | 1.11(1.04-1.18        |
| Other site:               |                   |                       |
| Rib, spine, clavicl       | 2174/ 796081      | 1.13(1.03-1.25        |

<sup>&</sup>lt;sup>a</sup> Minimally adjusted for age and stratified by study region

<sup>&</sup>lt;sup>b</sup> Mean values of measured height within self-reported categories used for trend calculation

Supplemental Figure 2: Relative risks and 99% CIs per 10cm increase in measured height for incident fractures at various sites, excluding the first two years of follow-up  $^{\rm a\,b}$ 

# Fracture risk Trend per 10cm increase in HEIGHT (excluding the first 2y of follow-up)

|                           | N cases/N at risk |              | RR & 99% CI    |
|---------------------------|-------------------|--------------|----------------|
| ALL:                      |                   |              |                |
| All fractures risk per    | 10cm 23845/786921 |              | 1.21(1.17-1.2  |
| Upper Limb fracture site: |                   |              |                |
| Radius and Ulna           | 1468/ 791116      |              | 1.26(1.12-1.4  |
| Humerus                   | 2694/ 791090      | -            | 1.15(1.05-1.20 |
| Wrist                     | 8167/ 789918      |              | 1.14(1.08-1.20 |
| Lower Limb fracture site: |                   |              |                |
| Neck of Femur             | 5050/ 790769      | -            | 1.47(1.38-1.5  |
| Femur (not neck)          | 616/791328        | <del> </del> | 1.11(0.92-1.3  |
| Patella                   | 540/791313        | <b> -</b> -  | 1.20(0.98-1.4  |
| Tibia and Fibula          | 1461/791079       | -            | 1.09(0.96-1.23 |
| Ankle                     | 4406/ 790314      | -            | 1.18(1.10-1.2  |
| Other site:               |                   |              |                |
| Rib, spine, clavicle      | 1851/791116       | -            | 1.15(1.03-1.28 |

<sup>&</sup>lt;sup>a</sup> Adjusted for age, socio-economic status, BMI, strenuous activity, smoking, alcohol consumption, use of HRT, diabetes diagnosis, history of prior fracture and history of osteoporosis, and stratified by study region

<sup>&</sup>lt;sup>b</sup> Mean values of measured height within self-reported categories used for trend calculation

Supplemental Figure 3: Relative risks and 99% CIs per 10cm increase in measured height for incident fractures at various sites, restricted to women without missing data  $^{a\,b}$ 

### Fracture risk Trend per 10cm increase in HEIGHT (excluding women with missing values of adjustment variables)

|                           | N cases/N at risk |               | RR & 99% CI      |
|---------------------------|-------------------|---------------|------------------|
| ALL:                      |                   |               |                  |
| All fractures risk per    | 10cm 14551/454242 |               | 1.20(1.15-1.24   |
| Upper Limb fracture site: |                   |               |                  |
| Radius and Ulna           | 903/ 454242       | -             | 1.31(1.12-1.54   |
| Humerus                   | 1493/ 454242      | -             | 1.13(1.00-1.27   |
| Wrist                     | 5237/ 454242      | =             | 1.13(1.06-1.2)   |
| Lower Limb fracture site: |                   |               |                  |
| Neck of Femur             | 2687/ 454242      | -             | 1.47(1.34-1.6    |
| Femur (not neck)          | 352/ 454242       | <del> </del>  | 1.05(0.82-1.33   |
| Patella                   | 312/ 454242       |               | - 1.33(1.02-1.74 |
| Tibia and Fibula          | 921/454242        | <del> -</del> | 1.11(0.95-1.29   |
| Ankle                     | 2851/454242       | -             | 1.15(1.06-1.26   |
| Other site:               |                   |               |                  |
| Rib, spine, clavicle      | 1066/ 454242      | ļ <u>.</u>    | 1.10(0.95-1.27   |

<sup>&</sup>lt;sup>a</sup> Adjusted for age, socio-economic status, BMI, strenuous activity, smoking, alcohol consumption, use of HRT, diabetes diagnosis, history of prior fracture and history of osteoporosis, and stratified by study region

<sup>&</sup>lt;sup>b</sup> Mean values of measured height within self-reported categories used for trend calculation