**Table S2. Independent associations between structural social ties and adiposity among older women and men in the CLSA (2012-15).**

|  |  |  |
| --- | --- | --- |
|  | **Waist circumference (cm)** | **Body mass index (kg/m2)** |
| **Social ties\*** | **Women** | **Men** | **Women** | **Men** |
| **Marital status** |  |  |  |
| Partnered | Ref | Ref | Ref | Ref |
| Single | 4.32 (3.34, 5.29) §**‖** | 0.62 (-0.38, 1.63) **‖** | 1.73 (1.3, 2.16) §**‖** | 0.01 (-0.38, 0.4) **‖** |
|  Widowed | 1.86 (1.04, 2.68) § | 1.16 (0.05, 2.27) † | 0.85 (0.5, 1.2) §**‖** | 0.16 (-0.25, 0.58) **‖** |
| Divorced | 2.18 (1.43, 2.92) §**‖** | 0.00 (-0.84, 0.85) **‖** | 0.90 (0.57, 1.22) §**‖** | -0.12 (-0.44, 0.2) **‖** |
| **Living arrangement** |  |  |  |
|  Co-living | Ref | Ref | Ref | Ref |
|  Lone-living | 0.52 (-0.18, 1.23) **‖** | -1.01 (-1.79, -0.23) †**‖** | 0.27 (-0.04, 0.57) **‖** | -0.7 (-1.01, -0.4) §**‖** |
| **Social network size (quartile)** |  |  |
| Largest, Q4 (220-573) | Ref | Ref | Ref | Ref |
|  Q3 (146-219) | -0.39 (-1.03, 0.24) | -1.06 (-1.64, -0.49) § | -0.26 (-0.53, 0.02) | -0.49 (-0.71, -0.27) § |
|  Q2 (86-145) | -0.83 (-1.47, -0.2) †**‖** | -1.77 (-2.36, -1.18) § | -0.41 (-0.68, -0.13) ‡**‖** | -0.88 (-1.1, -0.66) §**‖** |
| Smallest, Q1 (1-85) | -0.83 (-1.5, -0.16) †**‖** | -2.02 (-2.64, -1.4) § | -0.40 (-0.69, -0.11) ‡**‖** | -1.03 (-1.26, -0.79) §**‖** |
| **Social participation** |  |  |
|  A lot (5-8) | Ref | Ref | Ref | Ref |
|  Some (3-4) | 0.33 (-0.15, 0.82) **‖** | -0.55 (-1.01, -0.08) †**‖** | 0.03 (-0.18, 0.24) **‖** | 0.00 (-0.43, -0.09) ‡**‖** |
|  A few (1-2) | 2.21 (1.5, 2.92) §**‖** | 0.44 (-0.19, 1.06) **‖** | 0.88 (0.57, 1.2) §**‖** | -0.05 (-0.29, 0.18) **‖** |
|  None (0) | 4.19 (1.86, 6.52) §**‖** | 0.89 (-1.00, 2.78) **‖** | 1.44 (0.43, 2.45) ‡**‖** | -0.07 (-0.79, 0.66) **‖** |
| BMI, body mass index; WC, waist circumference. Gender-specific coefficients (95% CI) of waist circumference and body mass index obtained by multivariable linear regression analysis of sample (N = 28238) using an interaction term between each structural social tie and male/female adjusted for age, age2, education, smoking, province plus the other three structural social ties. \***Partnered** was married or living as married; **divorced** includes separated. **Social network size** (1-573) was a sum of responses to eight questions about the number of social contacts the respondent knows (e.g. siblings, children, colleagues, etc), with network size increasing from smallest (Q1) to largest (Q4).**Social participation** was a sum of responses to eight questions about regular (≥ once per month) participation in different social activities, that was re-classified into four levels of social participation (0 (none), 1-2 (a few), 3-4 (some), 5-8 (a lot)). † p < 0.05; ‡ p < 0.01; § p < 0.001; ‖ p for interaction < 0.05. |