Supplementary Material File 9: Imputation analyses for daily step counts

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **All housing sectors** | | | **Social housing sector** | | | **Intermediate housing sector** | | | **Market-rent housing sector** | | |
| **Adjustment** | **Difference** | **(95% CI)** | **p-value** | **Difference** | **(95% CI)** | **p-value** | **Difference** | **(95% CI)** | **p-value** | **Difference** | **(95% CI)** | **p-value** |
| **Complete case analysis** | **N=762** | | | **N=290** | | | **N=335** | | | **N=137** | | |
| Covariates in model: |  |  |  |  |  |  |  |  |  |  |  |  |
| Sex, age group, ethnic group | 235 | (-136, 605) | 0.21 | -187 | (-803, 429) | 0.55 | 433 | (-175, 1,042) | 0.16 | 225 | (-730, 1,181) | 0.64 |
| Sex, age group, ethnic group, housing sector | 154 | (-231, 539) | 0.43 |  |  |  |  |  |  |  |  |  |
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| **Imputations model 1** | **N=808** | | | **N=311** | | | **N=353** | | | **N=144** | | |
| Covariates in model: |  |  |  |  |  |  |  |  |  |  |  |  |
| Sex, age group, ethnic group | 224 | (-150, 597) | 0.24 | -169 | (-789, 451) | 0.59 | 383 | (-225, 992) | 0.22 | 219 | (-740, 1,178) | 0.65 |
| Sex, age group, ethnic group, housing sector | 140 | (-248, 528) | 0.48 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Imputations model 2** | **N=807** | | | **N=311** | | | **N=352** | | | **N=144** | | |
| Covariates in model: |  |  |  |  |  |  |  |  |  |  |  |  |
| Sex, age group, ethnic group | 239 | (-133, 612) | 0.21 | -166 | (-791, 459) | 0.60 | 409 | (-194, 1,012) | 0.18 | 244 | (-710, 1,199) | 0.62 |
| Sex, age group, ethnic group, housing sector | 155 | (-235, 545) | 0.44 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Imputations model 3** | **N=806** | | | **N=311** | | | **N=351** | | | **N=144** | | |
| Covariates in model: |  |  |  |  |  |  |  |  |  |  |  |  |
| Sex, age group, ethnic group | 241 | (-131, 613) | 0.20 | -166 | (-790, 459) | 0.60 | 410 | (-190, 1,010) | 0.18 | 241 | (-713, 1,196) | 0.62 |
| Sex, age group, ethnic group, housing sector | 157 | (-231, 545) | 0.43 |  |  |  |  |  |  |  |  |  |
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1. Imputations were carried out for 46 participants who had accelerometry at baseline but not at follow-up

2. Model 1 predictors were baseline steps, East Village group, sex, age group, ethnic group and housing sector

3. Model 2 predictors were baseline steps, East Village group, sex, age group, ethnic group, housing sector and BMI at baseline. One participant had missing BMI at baseline so imputations were only carried out for 45 participants

4. Model 3 predictors were baseline steps, East Village group, sex, age group, ethnic group, housing sector and fat mass % at baseline. Two participants had missing fat mass at baseline so imputations were only carried out for 44 participants