# Supplementary Table S2

Summary: Results from structural equation modelling (SEM) used to construct SDInew.

**Table S2. SEM loading of social deprivation variables on a single social deprivation construct (SDInew) used in sensitivity analyses.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Social Deprivation Variable** | **St.Est.** | **CI (95%)** | **CFI** | **RMSEA** | **SRMR** |
| *SEM1* |  |  | *0.89* | *0.17* | *0.19* |
| Years of education (rev) | 0.33\*\*\* | 0.31-0.35 |  |  |  |
| Income (rev)b,c | 0.48\*\*\* | 0.48-0.49 |  |  |  |
| Wealth (rev) | 0.28\*\*\* | 0.26-0.30 |  |  |  |
| Health insurance statusb | 0.30\*\*\* | 0.28-0.32 |  |  |  |
| Never held a job for 5+ years | 0.10\*\*\* | 0.05-0.15 |  |  |  |
| Feeling left out | 0.24\*\*\* | 0.21-0.26 |  |  |  |
| Lacking trust | 0.28\*\*\* | 0.26-0.30 |  |  |  |
| Not feeling part of local aread | 0.22\*\*\* | 0.20-0.25 |  |  |  |
| No helpful people in local aread | 0.26\*\*\* | 0.28-0.28 |  |  |  |
| Local area not cleane | 0.23\*\*\* | 0.20-0.25 |  |  |  |
| Vandalism/crime in local areae | 0.24\*\*\* | 0.22-0.26 |  |  |  |
| IT literacy (rev)a | 0.52\*\*\* | 0.51-0.54 |  |  |  |
| Reading ability (rev)a | 0.86\*\*\* | 0.86-0.87 |  |  |  |
| Writing ability (rev)a | 0.85\*\*\* | 0.84-0.85 |  |  |  |
| Degree of overcrowding (residents/room) | 0.22\*\*\* | 0.20-0.23 |  |  |  |
| Inability to afford groceries | 0.47\*\*\* | 0.44-0.51 |  |  |  |
| Inability to afford a holidayc | 0.82\*\*\* | 0.81-0.83 |  |  |  |
| Inability to afford an unexpected expense | 0.69\*\*\* | 0.67-0.71 |  |  |  |
| Inability to replace worn-out clothesf | 0.90\*\*\* | 0.90-0.91 |  |  |  |
| Inability to replace worn-out shoesf | 0.94\*\*\* | 0.93-0.95 |  |  |  |
| Inability to afford heatinga | 0.52\*\*\* | 0.49-0.55 |  |  |  |
| Inability to afford replacement glassesa | 0.64\*\*\* | 0.62-0.67 |  |  |  |
| Missing a necessary dentist appointment to save costf | 0.62\*\*\* | 0.60-0.64 |  |  |  |
| Missing a necessary doctor appointment to save cost | 0.46\*\*\* | 0.42-0.51 |  |  |  |
| Missing a necessary doctor appointment because of a long wait | 0.25\*\*\* | 0.20-0.29 |  |  |  |
| Accessibility of a shop (rev)a | 0.87\*\*\* | 0.86-0.87 |  |  |  |
| Accessibility of a bank (rev)a | 0.82\*\*\* | 0.82-0.83 |  |  |  |
| Accessibility of a pharmacy (rev)a | 0.91\*\*\* | 0.90-0.91 |  |  |  |
| Accessibility of a general practitioner (rev)a | 0.83\*\*\* | 0.83-0.84 |  |  |  |
|  |  |  |  |  |  |
| *SEM2* |  |  | *0.98* | *0.05* | *0.07* |
| Years of education (rev) | 0.30\*\*\* | 0.28-0.33 |  |  |  |
| Income (rev) | 0.55\*\*\* | 0.54-0.57 |  |  |  |
| Wealth (rev) | 0.44\*\*\* | 0.41-0.46 |  |  |  |
| Health insurance status | 0.25\*\*\* | 0.22-0.29 |  |  |  |
| Never held a job for 5+ years | 0.18\*\*\* | 0.10-0.25 |  |  |  |
| Feeling left out | 0.32\*\*\* | 0.29-0.35 |  |  |  |
| Lacking trust | 0.34\*\*\* | 0.32-0.36 |  |  |  |
| Not feeling part of local area | 0.27\*\*\* | 0.24-0.31 |  |  |  |
| No helpful people in local area | 0.35\*\*\* | 0.32-0.38 |  |  |  |
| Local area not clean | 0.33\*\*\* | 0.30-0.36 |  |  |  |
| Vandalism/crime in local area | 0.34\*\*\* | 0.31-0.37 |  |  |  |
| Degree of overcrowding (residents/room) | 0.33\*\*\* | 0.31-0.35 |  |  |  |
| Inability to afford groceries | 0.60\*\*\* | 0.57-0.63 |  |  |  |
| Inability to afford a holiday | 0.89\*\*\* | 0.87-0.91 |  |  |  |
| Inability to afford an unexpected expense | 0.86\*\*\* | 0.84-0.87 |  |  |  |
| Inability to replace worn-out clothes | 0.69\*\*\* | 0.67-0.71 |  |  |  |
| Inability to replace worn-out shoes | 0.72\*\*\* | 0.70-0.74 |  |  |  |
| Missing a necessary doctor appointment to save cost | 0.59\*\*\* | 0.54-0.64 |  |  |  |
| Missing a necessary doctor appointment because of a long wait | 0.36\*\*\* | 0.3-0.41 |  |  |  |
|  |  |  |  |  |  |
| *SEM3* |  |  | *1.00* | *0.02* | *0.03* |
| Income (rev) | 0.51\*\*\* | 0.50-0.52 |  |  |  |
| Wealth (rev) | 0.45\*\*\* | 0.43-0.48 |  |  |  |
| Inability to afford groceries | 0.65\*\*\* | 0.62-0.68 |  |  |  |
| Inability to afford a holiday | 0.88\*\*\* | 0.86-0.90 |  |  |  |
| Inability to afford an unexpected expense | 0.91\*\*\* | 0.90-0.93 |  |  |  |
| Inability to replace worn-out clothing | 0.74\*\*\* | 0.71-0.76 |  |  |  |
| Inability to replace worn-out shoes | 0.76\*\*\* | 0.74-0.79 |  |  |  |
| Missing a necessary doctor appointment to save cost | 0.57\*\*\* | 0.52-0.63 |  |  |  |

a Residual correlations indicated that the model consistently notably overestimated the correlation of this variable with other variables; the variable was removed in SEM2 b/c/d/e/f A high residual correlation between these variables supported by a high modification index was accounted for by adding the correlations in SEM2

\*\*\*p<.001; St. Est., standardised estimate; CI, 95% confidence interval; CFI, Comparative fit index; RMSEA, Root mean square error of approximation; SRMR, Standardized Root Mean Square Residual; rev indicates reverse scored variable; 1coded so that higher values indicate relatively deprived health insurance status