**Supplemental material**

**Attrition analysis**

In the MIDUS, participants without hospitalization data at follow-up were on average younger, *t*(5243)= -3.98, *p* < .001, less likely to be white, *χ*²(1, 5245)= 84.19, *p* < .001, less educated, *t*(5243)= -9.57, *p* < .001, more likely to be male, *χ*²(1, 5245)= 31.06, *p* < .001, and felt older, *t*(5243)= 3.54, *p* < .001, than those who provided hospitalization data. No differences were found for depressive symptoms and disease burden in either sample.

In the HRS, individuals without hospitalization data at follow-up were older, *t*(4490) = 12.13, *p* < .001, more likely to be male, *χ*²(1, 4492)= 6.59, *p* < .05, less educated, *t*(4490) = -4.77, *p* < .001, felt older, *t*(4490)= 3.75, *p* < .001, had more depressive symptoms, *t*(4490) = 2.95, *p* < .01, and disease burden, *t*(4490) = 6.64, *p* < .001 than individuals with complete data at both waves. There was no race difference between both groups.

In the NHATS, individuals without hospitalization data at follow-up were older, *t*(5139) = 2.91, *p* < .01, less likely to be white, *χ*²(1, 5141)= 11.49, *p* < .001, less educated, *t*(5139) = -7.35, *p* < .001, had more depressive symptoms, *t*(5139) = 2.72, *p* < .01, than individuals with complete data at both waves. There was no difference between both groups for sex, subjective age and disease burden.

**Table 1**. *Summary of Regression Analysis Predicting Subjective age at Baseline from Prior Hospitalization*

|  |  |  |  |
| --- | --- | --- | --- |
|  | MIDUS | HRS | NHATS |
| Age | -.26\*\*\* | -.01 | .01 |
| Sex | .06\*\*\* | .05\*\*\* | .00 |
| Race | .03\*\* | .04\*\* | .03\*\* |
| Education | -.04\*\* | -.06\*\*\* | -.05\*\*\* |
| Depression | .04\*\* | .19\*\*\* | .15\*\*\* |
| Disease Burden | .15\*\*\* | .12\*\*\* | .13\*\*\* |
| Prior Hospitalizationa | .04\*\*\* | .03\* | .02 |
| Adjusted *R²* | .08 | .08 | .06 |

*Note.* MIDUS: N= 5799; HRS: N= 6099; NHATS: N= 6473.

Coefficients are standardized regression coefficients.

Education, depression, disease burden, and hospitalization were assessed using different methods in the three samples (See Method). For each sample, responses three standard deviations above or below the mean of subjective age were considered outliers and were excluded.

a Prior hospitalization is coded as 1 (history of hospitalization) and 0 (no history of hospitalization) in each sample. The time span was 12 months for the MIDUS and the NHATS and 24 months for the HRS.

\* *p*<.05, \*\* *p*<.01, \*\*\* *p*<.001

**Table 2**. *Logistic Regression Predicting Follow-up Hospitalization from Baseline Subjective Age Controlling for Prior Hospitalization*

MIDUS HRS NHATS

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Predictor | Model 1 | Model 2 |  | Model 1 | Model 2 |  | Model 1 | Model 2 |
|  | Odds Ratios (95 % CI) | Odds Ratios (95 % CI) |  | Odds Ratios (95 % CI) | Odds Ratios (95 % CI) |  | Odds Ratios (95 % CI) | Odds Ratios (95 % CI) |
| Age | 1.04 (1.03-1.05)\*\*\* | 1.04 (1.03-1.05)\*\*\* |  | 1.04 (1.03-1.04)\*\*\* | 1.03 (1.02-1.04)\*\*\* |  | 1.03 (1.02-1.04)\*\*\* | 1.03 (1.02-1.04)\*\*\* |
| Sex | 1.00 (.91-1.09) | 1.09 (.89-1.33) |  | 1.10(.97-1.26) | 1.13 (.99-1.29) |  | 1.08(.93-1.25) | 1.16(1.00-1.34)\* |
| Race | .71 (.49-1.03) | .75 (.51-1.10) |  | 1.01(.87-1.17) | 1.08 (.90-1.30) |  | .89(.76-1.05) | .93(.79-1.10) |
| Education | .88 (.80-.97)\* | .90 (.82-1.00)\* |  | .99(.97.1.01) | 1.00 (.98-1.02) |  | .87(.81-.94)\*\*\* | .92(.85-.99)\* |
| Subjective Age | 1.23 (1.11-1.36)\*\*\* | 1.17 (1.05-1.29)\*\* |  | 1.13 (1.06-1.21)\*\*\* | 1.06 (.99-1.13) |  | 1.12 (1.04-1.20)\*\* | 1.04 (.97-1.12) |
| Prior Hospitalizationa | 1.99 (1.51-2.63)\*\*\* | 1.74 (1.31-2.30)\*\*\* |  | 2.41 (2.10-2.77)\*\*\* | 1.93 (1.67-2.23)\*\*\* |  | 2.00 (1.70-2.35)\*\*\* | 1.69 (1.43-1.99)\*\*\* |
| Depression |  | 1.11 (1.01-1.22)\* |  |  | 1.11 (1.04-1.19)\*\* |  |  | 1.19 (1.11-1.27)\*\*\* |
| Disease Burden |  | 1.10 (1.06-1.15)\*\*\* |  |  | 1.31 (1.24-1.38)\*\*\* |  |  | 1.20 (1.15-1.26)\*\*\* |

Note. MIDUS: N= 3561; HRS: N= 5046; NHATS: N= 4323

Education, depression, disease burden, and hospitalization were assessed using different methods in the three samples (See Method). For each sample, responses three standard deviations above or below the mean of subjective age were considered outliers and were excluded.

a Prior hospitalization is coded as 1 (history of hospitalization) and 0 (no history of hospitalization) in each sample. The time span was 12 months for the MIDUS and the NHATS and 24 months for the HRS.

\* *p*< .05, \*\* *p*< .01; \*\*\* *p*< .001