

**Supplemental Table 1. Correlation between Objective and Subjective Sleep Parameters, Care Burden, and Positive and Negative Affect (n=25)**

|                      | 1 | 2       | 3      | 4      | 5      | 6        |
|----------------------|---|---------|--------|--------|--------|----------|
| 1. Total sleep time  | - | 0.938** | -0.358 | -0.249 | -0.081 | -0.074   |
| 2. Total time in bed |   | -       | -0.283 | -0.260 | -0.110 | -0.042   |
| 3. PSQI              |   |         | -      | 0.503* | -0.093 | 0.090    |
| 4. ZBI_8             |   |         |        | -      | 0.169  | 0.382    |
| 5. Positive affect   |   |         |        |        | -      | -0.791** |
| 6. Negative affect   |   |         |        |        |        | -        |

\* $P < .05$  \*\* $P < .01$

Spearman's rank correlation analysis was performed between objective and subjective sleep parameters, care burden, and positive and negative affect.

Abbreviations: PSQI, Pittsburgh Sleep Quality Index; ZBI\_8, Short version of the Zarit Caregiver Burden Interview.