

Supplemental Table 1. Bayesian Information Criterion for model-based clustering solutions with different numbers of groups

Number of clusters	Bayesian Information Criterion (BIC):
1	-994.4
2	-943.9
3	-951.6
4	-952.1
5	-967.2
6	-973.5

BIC values closer to zero indicates better fit. Models shown use ellipsoidal, equal shapes, and orientations; this was the shape and orientations that resulted in the optimal model fit as indicated by BIC.

Supplemental Table 2. Differences in hourly activity levels by subgroups with distinct depression symptom levels

Hours since midnight	Caregivers with depression symptoms, 64% (n=36)	Caregivers with minimal depression symptoms, 36% (n=20)	Cohen's D	p-value	q-value
1	0.9 (0.8)	0.9 (0.9)	<0.1	0.99	0.99
2	0.6 (0.6)	0.5 (0.4)	0.3	0.27	0.99
3	0.5 (0.3)	0.3 (0.2)	0.5	0.05	0.24
4	0.4 (0.2)	0.3 (0.2)	0.3	0.35	0.99
5	0.5 (0.5)	0.4 (0.5)	0.2	0.48	0.99
6	0.7 (0.8)	0.9 (0.9)	-0.3	0.50	0.99
7	1.1 (0.9)	1.7 (1.1)	-0.7	0.02	0.08
8	1.8 (1.2)	2.9 (1.3)	-0.9	0.002	0.02
9	2.8 (1.2)	3.7 (0.7)	-1.0	0.002	0.02
10	3.5 (0.8)	3.9 (0.7)	-0.6	0.07	0.24
11	3.8 (0.5)	3.8 (0.6)	<0.1	0.95	0.99
12	3.9 (0.5)	3.8 (0.6)	0.2	0.47	0.99
13	3.9 (0.5)	3.9 (0.6)	0.1	0.84	0.99
14	3.8 (0.5)	3.7 (0.7)	0.1	0.56	0.99
15	3.6 (0.5)	3.7 (0.6)	-0.1	0.71	0.99
16	3.5 (0.6)	3.5 (0.7)	-0.1	0.69	0.99
17	3.5 (0.6)	3.5 (0.6)	<0.1	0.96	0.99
18	3.6 (0.6)	3.5 (0.6)	<0.1	0.96	0.99
19	3.5 (0.5)	3.6 (0.6)	-0.2	0.64	0.99
20	3.1 (0.6)	3.2 (0.7)	-0.2	0.59	0.99
21	2.9 (0.7)	2.9 (0.7)	-0.1	0.75	0.99
22	2.5 (0.8)	2.6 (0.9)	-0.2	0.69	0.99
23	2.0 (1.0)	2.0 (0.9)	<0.1	0.95	0.99
24	1.4 (1.0)	1.4 (1.0)	<0.1	0.93	0.99

Means (standard deviations) shown. Activity is measured as the average “counts” per hour