

Supplemental Table 1. Scale construction for the Quality of Life-AD

Item	N	Mean (SD)	Item-rest correlation	1-Factor Loading (n=242)
a. Physical health	257	2.33 (.84)	.52	.58
b. Energy	257	2.22 (.86)	.55	.62
c. Mood	257	2.69 (.84)	.52	.60
d. Living situation	257	2.71 (.86)	.56	.60
e. Memory	257	2.56 (.91)	.33	.34
f. Family	254	3.11 (.90)	.43	.47
g. Friends	256	2.93 (.93)	.44	.50
h. Self as a whole	255	2.79 (.75)	.55	.63
i. Ability to do things for fun	254	2.39 (.93)	.58	.64
j. Money	249	2.39 (.95)	.48	.51
k. Life as a whole	256	2.88 (.81)	.57	.65
Cronbach's alpha for the scale	.83			
Mean (SD) scale score (n=257)	2.6 (.53)			

Note. The items were preceded by the following text: "Now I'm going to ask you some questions about your quality of life. Please rate different aspects of your life using one of these words: poor, fair, good, or excellent. When you think about your life, there are different aspects, like your physical health, energy, family, money, and others. I'm going to ask you to rate each of these areas. We want to find out how you feel about your current situation in each area. If you're not sure what a question means, you can ask me about it. If you have difficulty rating any item, just give it your best guess." All item responses ranged from poor (1) to excellent (4). Overall scale score was constructed by taking the average of items with non-missing values. One resident did not respond to any of these items and has a missing value for the scale. All estimates (means, correlations, and factor loadings) were retrieved using unweighted data.

Supplemental Table 2. Scale construction for the Patient Health Questionnaire (PHQ-9)

Item	N	Mean (SD)	Item-rest correlation	1-Factor Loading (n=238)
a. Little interest or pleasure in doing things	253	1.08 (1.06)	.35	.44
b. Feeling down, depressed or hopeless	256	.87 (1.02)	.52	.63
c. Trouble falling asleep, staying asleep, or sleeping too much	256	1.06 (1.21)	.52	.55
d. Feeling tired or having little energy	253	1.34 (1.17)	.55	.60
e. Poor appetite or overeating	255	.78 (1.08)	.41	.48
f. Feeling bad about yourself – or that you’re a failure to have let yourself or your family down	254	.67 (1.00)	.54	.61
g. Trouble concentrating on things, such as reading the newspaper or watching television	253	.71 (.99)	.52	.58
h. Moving or speaking slowly that other people could have noticed. Or, the opposite – being so fidgety or restless that you have been moving around a lot more than usual	254	.43 (.84)	.41	.44
i. Thoughts that you would be better off dead or hurting yourself in some way	254	.20 (.57)	.36	.44
Cronbach’s alpha for the scale	0.79			
Mean (SD) scale score (n=257)	.80 (.61)			

Note. The items were preceded by the following text: “Now I would like to ask you some questions about your health and daily activities. I’m going to read a list and ask you how often you have been bothered by any of the following problems in the past two weeks. For these questions, use the responses not at all, several days, more than half the days, or nearly every day.” All item responses ranged from not at all (0) to nearly every day (3). Overall scale score was constructed by taking the average of items with non-missing values. One resident did not respond to any of these items and has a missing value for the scale. All estimates (means, correlations, and factor loadings) were retrieved using unweighted data.