Online Supplemental Appendix

A Longitudinal Evaluation of Family Caregiver’s Willingness to Pay for an In-home Nonpharmacologic Intervention for People Living with Dementia

eTable 1

|  |  |  |  |
| --- | --- | --- | --- |
|  | Baseline  (observed n=211) | 3 months  (observed n=185) | 6 months  (observed n= 160) |
| Number (%) missing WTP value | | | |
| Overall | 20 (9%) | 46 (20%) | 71 (31%) |
| TAP | 9 (8%) | 18 (16%) | 30 (26%) |
| Education Program | 11 (9%) | 28 (24%) | 41 (35%) |
| Number (% of all non-missing) WTP >$0 | | | |
| TAP | 68 (64%) | 51 (53%) | 48 (56%) |
| Education Program | 68 (65%) | 60 (69%) | 48 (64%) |
| Number (% of all non-missing) WTP $0 | | | |
| TAP | 38 (36%) | 45 (47%) | 38 (44%) |
| Education Program | 37 (35%) | 27 (31%) | 27 (36%) |
| Mean (standard deviation) WTP among caregivers WTP>$0 | | | |
| TAP | $46.94 (5.44) | $63.49 (8.72) | $46.71 (6.40) |
| Education Program | $72.66 (15.77) | $53.70 (8.36) | $43.96 (4.78) |

eTable 2 Covariates in the final missing data model

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| Covariate |
| 1. Indicator for treatment assignment |
| 1. Caregiver age |
| 1. Caregiver race |
| 1. Sex of the PLwD |
| 1. Caregiver’s self-reported degree of financial hardship |
| 1. Caregiver’s self-reported hours of care provided per month |
| 1. Indicator for whether the caregiver works |

eTable 3 Regression Coefficients for Willingness-to-Pay

|  |  |  |
| --- | --- | --- |
|  | Part 1: Probability willing to pay >$0a | Part 2: Amount willing to pay given willing to pay >$0b |
|  | Coefficient  (95% Confidence Interval) | Coefficient  (95% Confidence Interval) |
| Intercept | 1.7 (0.1, 33.5) | 42.6 (18.2, 99.7) |
| Time = 3 Months | 1.1 (0.5, 2.6) | 0.8 (0.6, 1.0) |
| Time = 6 Months | 0.9 (0.4, 2.1) | 0.7 (0.6, 0.9) |
| Treatment (TAP) | 0.8 (0.3, 2.0) | 0.7 (0.5, 1.0) |
| Treatment \* Time Interaction (3 months) | 0.4 (0.1, 1.4) | 1.6 (1.1, 2.2) |
| Treatment \* Time Interaction (6 months) | 0.6 (0.2, 2.0) | 1.3 (0.9, 1.9) |

aModel controls for covariates in missing data model, PLwD race, if the caregiver graduated college, and number of dementia related behaviors.

b Model controls for covariates in missing data model, PLwD race, caregiver race, and if the caregiver graduated college.