

## Supplementary Online Content

Jennings LA, Laffan AM, Schlissel AC, et al. Health Care Utilization and Cost Outcomes of a Comprehensive Dementia Care Program for Medicare Beneficiaries. Published online December 21, 2018. *JAMA*. doi:10.1001/jamainternmed.2018.5579

**eAppendix 1.** Detailed Annual UCLA Alzheimer's and Dementia Care Program Costs

**eAppendix 2.** Additional Demographic and Clinical Characteristics of UCLA Alzheimer's and Dementia Care (ADC) Program Participants

This supplementary material has been provided by the authors to give readers additional information about their work.

**eAppendix 1. Detailed Annual UCLA Alzheimer’s and Dementia Care Program Costs**

<b>Personnel Expenses</b>	<b>Annual Salary</b>	<b>Estimated Benefit Rate</b>	<b>FTEs</b>	<b>Total</b>
Nurse Practitioner Dementia Care Managers	\$159,602	0.40	5.0	\$1,117,214
Medical Director	\$218,000	0.40	0.33	\$100,716
Clinical Psychologist/ Support Group and Seminar Series Leader	\$147,128	0.40	0.10	\$20,598
Program Manager	\$60,325	0.40	0.25	\$21,114
Clinical Office Staff	\$47,050	0.40	2.0	\$131,740
Dementia Care Manager Assistants	\$50,914	0.40	2.0	\$142,559
<b>Non-Personnel Expenses</b>				
Community-based organization services				\$85,000
Care management software maintenance				\$55,000
Website maintenance				\$4,125
Travel for dementia care managers				\$5,000
Telephone, pagers, and computer data plans for dementia care managers				\$6,540
Program brochures				\$1,500
Supplies (copying, postage, delivery service, miscellaneous supplies)				\$9,000
<b>Total Annual Program Cost</b>				<b>\$1,700,106</b>
<b>Program Cost per Participant per Year</b>				<b>\$1360</b>
<b>Program Cost per Participant per Quarter</b>				<b>\$340</b>
<b>Program Cost per Participant per Quarter Adjusted to 2013 Dollars*</b>				<b>\$317</b>

Based on active annual ADC program enrollment of 1250 participants.

Program cost per participant per quarter= (total program annual cost/1250 ADC participants per year)/4

\*2016 program costs were adjusted to 2013 dollars using a conversion factor of 0.932.

(Consumer Price Index for Medical Care. <https://www.hrsa.gov/get-health-care/affordable/hill-burton/cpi.html>. Accessed October 20, 2017)

Median national salary for a nurse practitioner is \$103,880 (IQR \$88,810, \$123,070). (US Department of Labor, Bureau of Labor Statistics, Occupational Employment Statistics, May 2017. <https://www.bls.gov/oes/current/oes291171.htm>. Accessed May 18, 2018)

**eAppendix 2. Additional Demographic and Clinical Characteristics of UCLA Alzheimer’s and Dementia Care (ADC) Program Participants, N=1083**

Variable	
Mean Mini Mental State Exam Score (SD), range 0-30	17.9 (7.0)
Mean Number of Basic ADL dependencies (SD) (out of 6 possible)	1.9 (2.2)
Education Level, N (%)	
Some high school or less	136 (12%)
High school graduate	165 (15%)
Some college	214 (20%)
College graduate	225 (21%)
Graduate school	280 (26%)
Missing	63 (6%)
Patient lives alone, N (%)	187 (17%)
Caregiver relationship to ADC patient, N (%)	
Spouse or partner	320 (30%)
Adult child	440 (41%)
Other family member or friend	134 (12%)
Missing	189 (17%)
Caregiver Female, N (%)	618 (57%)
Mean Caregiver Age (SD)	63.5 (14.4)
Partnering physician type, N (%) (N=255 physicians)	
Primary care (internist, family medicine, or geriatrician)	232 (91%)
Neurologist	17 (6%)
Other	7 (3%)

Data included in this table are from ADC programmatic files and thus are not available for control participants, as these variables are not included in Medicare claims data. Alzheimer's diagnosis, duration of disease, age, gender, race/ethnicity, dual Medicare-Medicaid eligibility, Medicare coverage reason, Hierarchical Condition Category (HCC) score, and mean utilization and cost in the year prior to program enrollment for ADC participants and controls are included in Table 2.

ADL=Activities of Daily Living including feeding, transferring, toileting, dressing, bathing, and walking across a room