Supplemental Material

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Supplemental Table 1. Patient Characteristics and Mean Annualized Spending, by Type of Dementia.

Variable	Alzheimer's Disease (N=130,451)	Other Dementia (N=162,033)	P-Value[a]
Age (years), %			<0.001
<65	2.9	9.4	
65-79	24.9	31.6	
>80	72.2	59.1	
Male, %	28.5	34.9	<0.001
Race, %			<0.001
White	78.7	78.9	
Black	10.3	10.9	
Asian	2.2	2.4	
Hispanic	7.9	6.5	
Native American	0.3	0.5	
Other	0.6	0.8	
Medicaid eligibility, %	40.9	36.4	<0.001
CMS priority chronic conditions, %			
Depression	64.3	56.7	<0.001
Diabetes mellitus	46.5	47.2	<0.001
Acute myocardial infarction	8.2	8.7	<0.001
Congestive heart failure	51.5	50.1	<0.001
Previous stroke or TIA	37.5	35.1	<0.001
Chronic kidney disease	40.8	41.0	0.338
Asthma	16.5	18.7	<0.001
COPD	40.1	41.5	<0.001
CMS priority cancer [b]	18.4	18.4	0.720
No. of other CMS priority comorbidities, % [c]			<0.001
0-3	8.8	12.9	
4-6	39.5	40.2	
≥7	51.7	46.9	
Death within the year, %	19.3	14.2	<0.001
Mean annualized spending in 2012 (2012 $)			
Antidementia drugs [d]	669	174	<0.001
Antipsychotics [e]	317	293	<0.001
Antidepressants [f]	121	114	<0.001
Sedatives [f]	12	15	<0.001
Anticonvulsants [f]	74	97	<0.001
Other NS drugs [f]	82	139	<0.001
Total drugs acting on the NS	1276	832	<0.001
Total pharmacy spending	3080	2952	<0.001

Notes:

Abbreviations: TIA=Transient Ischemic Attack; COPD=Chronic Obstructive Pulmonary Disease; CMS=Centers for Medicare and Medicaid Services; NS=Nervous System.

[a] P-values were obtained using chi-square tests.

[b] CMS priority types of cancer include breast cancer, colorectal cancer, endometrial cancer and lung cancer.
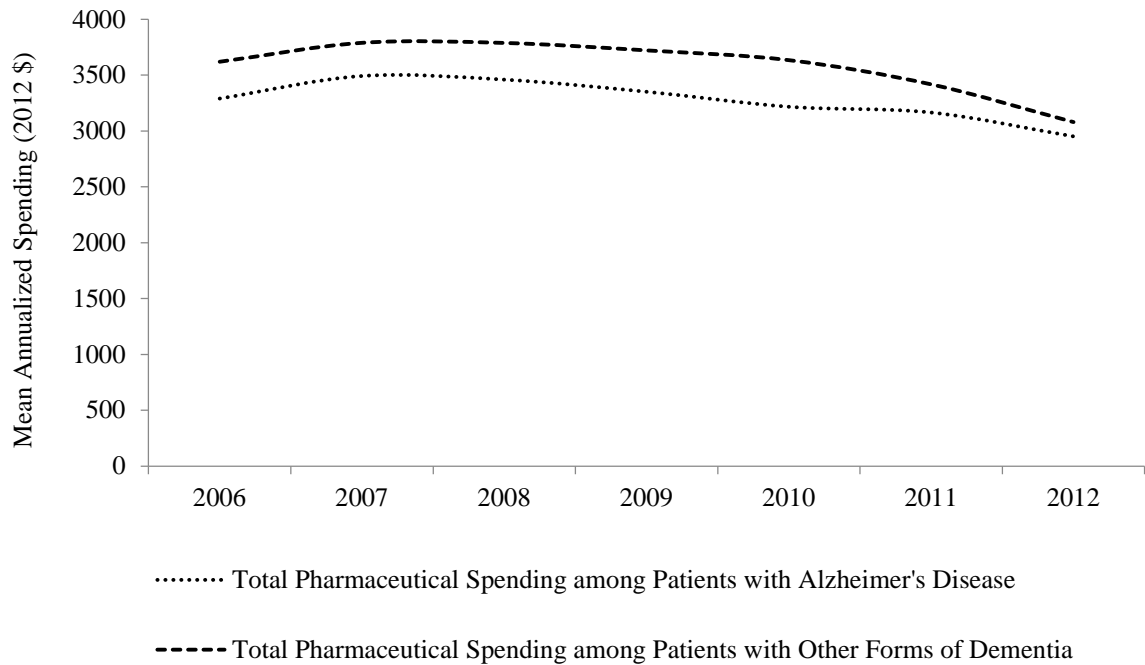
[c] The number of other CMS priority conditions was calculated as the sum of a history of atrial fibrillation, cataract, glaucoma, hip or pelvic fracture, ischemic heart disease, osteoporosis, rheumatoid arthritis or osteoarthritis, hypertension, anemia, hyperlipidemia, benign prostatic hyperplasia and acquired hypothyroidism.

[d] Antidementia drugs include any formulations containing donepezil, rivastigmine, galantamine or memantine.

[e] Antipsychotics include any formulations containing aripiprazole, risperidone, quetiapine, olanzapine, ziprasidone, paliperidone, lurasidone, asenapine, clozapine, iloperidone, chlorpromazine, fluphenazine, haloperidol, loxapine, mesoridazine, moloindone, perphenazine, pimozide, promazine, tacrine, thioridazine, thiothixene, trifluoperazine or triflupromazine.

[f] To identify antidepressants, sedatives, anticonvulsants and other drugs acting on the nervous system, we used the First Data Bank Enhanced Therapeutic Classification System.

Supplemental Figure 1. Mean Total Pharmaceutical Spending Trend among Patients

with Dementia.

.... Total Pharmaceutical Spending among Patients with Alzheimer's Disease

- - - - Total Pharmaceutical Spending among Patients with Other Forms of Dementia

Notes:

Patients with other dementia includes patients with Alzheimer´s disease related

disorders and senile dementia.