

SUPPLEMENTARY DATA

Supplementary Table 1. ICD-9-CM diagnosis codes used to identify Alzheimer's Disease or Related Disorder (ADRD).

ICD-9-CM Code	Diagnosis
331.0	Alzheimer's disease
331.1	Pick's disease
331.11	Pick's disease
331.19	Other frontotemporal dementia
331.2	Senile degeneration of brain
331.7	Cerebral degeneration in diseases classified elsewhere
290.0	Senile dementia, uncomplicated
290.1	Presenile dementia (brain syndrome w/ presenile dementia)
290.10	Presenile dementia, uncomplicated
290.11	Presenile dementia, w/delirium
290.12	Presenile dementia, w/delusional features
290.13	Presenile dementia, w/depressive features
290.20	Senile dementia, w/delusional features
290.21	Senile dementia, w/depressive features
290.3	Senile dementia, w/delirium
290.40	Arteriosclerotic dementia, uncomplicated
290.41	Arteriosclerotic dementia, w/delirium
290.42	Arteriosclerotic dementia, w/delusional features
290.43	Arteriosclerotic dementia, w/depressive features
294.0	Amnestic syndrome (Korsakoff's psychosis or syndrome, nonalcoholic)
294.1	Dementia in conditions classified elsewhere
294.10	Dementia in conditions classified elsewhere without behavioral disturbance
294.11	Dementia in conditions classified elsewhere with behavioral disturbance
294.8	Other specified organ brain syndrome (chronic)
797	Senility without mention of psychosis

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Supplementary Table 2. Independent predictors of use of sulfonylureas, insulin, or both sulfonylureas and insulin in community-dwelling older Veterans with diabetes and comorbid dementia with tight glycemic control.*

	Sulfonylurea Only			Insulin Only			Both Sulfonylurea and Insulin		
	OR	95% CI	p-value	OR	95% CI	p-value	OR	95% CI	p-value
Male	1.73*	(1.14-2.63)	.011	1.90*	(1.05-3.43)	.034	2.02	(0.72-5.68)	.18
Race/Hispanic Origin									
White non-Hispanic (reference)	--	--	--	--	--	--	--	--	--
Black non-Hispanic	1.14	(0.93-1.39)	.20	1.75**	(1.38-2.21)	<.001	1.07	(0.72-1.57)	.75
Hispanic	0.84	(0.68-1.04)	.11	1.36*	(1.06-1.76)	.017	0.39*	(0.21-0.74)	.004
Other	0.80	(0.56-1.13)	.20	0.93	(0.59-1.46)	.76	0.97	(0.48-1.96)	.94
Age (in years)									
65-74 (reference group)	--	--	--	--	--	--	--	--	--
75-84	1.45	(1.27-1.65)	<.001	0.99	(0.84-1.17)	.94	0.93	(0.71-1.21)	.58
≥85	1.98	(1.67-2.34)	<.001	0.96	(0.77-1.19)	.70	0.84	(0.59-1.21)	.35
Has medication copay	0.95	(0.84-1.06)	.34	0.87	(0.75-1.01)	.07	0.96	(0.76-1.22)	.74
Congestive heart failure	1.33	(1.12-1.57)	.001	1.98	(1.62-2.41)	<.001	2.02	(1.49-2.74)	<.001
Valvular disease	0.91	(0.74-1.12)	.36	0.90	(0.69-1.16)	.41	0.55	(0.34-0.90)	.018
Peripheral vascular disease	1.17	(1.00-1.36)	.046	1.42	(1.18-1.71)	<.001	0.94	(0.69-1.29)	.71
Hypertension	1.09	(0.95-1.25)	.21	1.08	(0.90-1.29)	.42	1.44	(1.04-2.00)	.026
Chronic lung disease	0.99	(0.86-1.14)	.91	0.85	(0.71-1.03)	.09	0.71	(0.53-0.96)	.026
Hypothyroidism	0.89	(0.75-1.06)	.19	1.02	(0.82-1.26)	.89	0.83	(0.57-1.21)	.33
Renal failure	3.69	(2.92-4.67)	<.001	6.90	(5.38-8.84)	<.001	5.77	(4.07-8.19)	<.001
Solid tumor without metastasis	0.95	(0.81-1.11)	.50	1.01	(0.83-1.24)	.91	1.09	(0.79-1.50)	.61
Obesity	0.92	(0.73-1.16)	.49	1.17	(0.90-1.53)	.25	1.38	(0.93-2.07)	.11
Weight loss	0.99	(0.72-1.36)	.94	0.67	(0.44-1.01)	.06	0.64	(0.32-1.27)	.20
Fluid and electrolyte disorder	0.78	(0.64-0.94)	.008	0.98	(0.79-1.22)	.86	0.92	(0.65-1.30)	.66
Deficiency anemia	0.94	(0.81-1.08)	.39	0.97	(0.81-1.15)	.73	1.23	(0.93-1.63)	.15
Psychoses	0.98	(0.83-1.15)	.81	0.85	(0.69-1.04)	.11	0.96	(0.68-1.34)	.80
Depression	0.82	(0.71-0.96)	.011	0.95	(0.79-1.14)	.57	0.84	(0.61-1.14)	.27
Inpatient Stay in FY08†	1.13	(0.84-1.35)	.17	1.52	(1.24-1.86)	<.001	1.68	(1.22-2.32)	.001

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VA documentation of dementia diagnosis [‡]	1.13	(1.00-1.28)	.06	0.98	(0.84-1.15)	.85	1.01	(0.78-1.30)	.94
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^{*a}Multinomial logistic regression was used, with no use of either sulfonylurea or insulin as the reference category. [†]FY=fiscal year. [‡]VA=Veterans Affairs.