

Table 1: Baseline Characteristics by Dementia Group (N=10,204 beneficiaries with diagnosis or self-report of cardiovascular problems at any time between 2001-2006).

	No dementia n=8,859		Dementia n=1,345		Overall N=10,204		p- value ¹
	n	Mean/%	n	Mean/%	n	Mean/%	
Cardiovascular treatment (%)							
Yes	7219	81.5	1147	85.3	8366	82.0	.0007
No	1640	18.5	198	14.7	1838	18.0	
Age (mean (SD); range)	8859	77.0 (7.1); 65-103	1345	78.6 (7.5); 65-102	10204	77.2 (7.2); 65-103	<.0001
Age categories (%)							
65-74	3560	40.2	432	32.1	3992	39.1	<.0001
75-84	3898	44.0	613	45.6	4511	44.2	
>=85	1401	15.8	300	22.3	1701	16.7	
Gender (%)							
Female	4892	55.2	780	58.0	5672	55.6	.0566
Male	3967	44.8	565	42.0	4532	44.4	
Race (%)							
White	7739	87.4	1133	84.2	8872	86.9	.0015
Black	734	8.3	151	11.2	885	8.7	
Other	386	4.4	61	4.5	447	4.4	
Level of school completed (%)							
0-8 yrs	1434	16.2	254	18.9	1688	16.5	.0595
9-12 yrs, no diploma	1452	16.4	229	17.0	1681	16.5	
12 yrs, high school graduate	2543	28.7	371	27.6	2914	28.6	
>12 yrs	3430	38.7	491	36.5	3921	38.4	
Proxy (%)							
Yes	754	8.5	331	24.6	1085	10.6	<.0001
No	8105	91.5	1014	75.4	9119	89.4	
Rx coverage (%)							
Yes	6719	75.8	995	74.0	7714	75.6	.1376
No	2140	24.2	350	26.0	2490	24.4	
Federal poverty levels (%)							
<100%	1866	21.1	328	24.4	2194	21.5	.0084
100-150%	1546	17.5	254	18.9	1800	17.6	
150-300%	3057	34.5	431	32.0	3488	34.2	
>300%	2390	27.0	332	24.7	3722	26.7	
Source of cardiovascular diagnosis (%)							<.0001
Claims only	2975	33.6	469	34.9	3444	33.8	
Survey only	1803	20.4	72	5.4	1875	18.4	
Both	4081	46.1	804	59.8	4885	47.9	
Year (%)							
2001	3053	34.5	389	28.9	3442	33.7	<.0001
2002	1499	16.9	224	16.7	1723	16.9	
2003	1522	17.2	241	17.9	1763	17.3	
2004	1479	16.7	220	16.4	1699	16.7	
2005	1306	14.7	271	20.2	1577	15.5	

¹Study group comparisons were made using chi-square (all categorical) and t-tests (age).

Table 2: Baseline Characteristics by Race Groups (N=10,204 beneficiaries with diagnosis or self-report of cardiovascular problems at any time between 2001-2006).

	White n=8,872		Black n=885		Other N=447		p- value ¹
	n	Mean/%	n	Mean/%	n	Mean/%	
Cardiovascular treatment (%)							
Yes	7292	82.2	725	81.9	349	78.1	.0870
No	1580	17.8	160	18.1	98	21.9	
Age (mean (SD); range)	8872	77.2 (7.2); 65-103	885	76.1 (7.5); 65-102	447	77.8 (7.4); 65-100	<.0001
Age categories (%)							
65-74	3408	38.4	425	48.0	159	35.6	<.0001
75-84	3980	44.9	327	36.9	204	45.6	
>=85	1484	16.7	133	15.0	84	18.8	
Gender (%)							
Female	4828	54.4	581	65.7	263	58.8	<.0001
Male	4044	45.6	304	34.4	184	41.2	
Level of school completed (%)							
0-8 yrs	1201	13.5	286	32.3	201	45.0	<.0001
9-12 yrs, no diploma	1369	15.4	244	27.6	68	15.2	
12 yrs, high school graduate	2652	29.9	183	20.7	79	17.7	
>12 yrs	3650	41.1	172	19.4	99	22.2	
Proxy (%)							
Yes	843	9.5	130	14.7	112	25.1	<.0001
No	8029	90.5	755	85.3	335	74.9	
Rx coverage (%)							
Yes	6661	75.1	666	75.3	387	86.6	<.0001
No	2211	24.9	219	24.7	60	13.4	
Federal poverty levels (%)							
<100%	1534	17.3	429	48.5	231	51.7	<.0001
100-150%	1530	17.3	184	20.8	86	19.2	
150-300%	3221	36.3	189	21.4	78	17.5	
>300%	2587	29.2	83	9.4	52	11.6	
Source of cardiovascular diagnosis (%)							<.0001
Claims only	2914	32.8	357	40.3	173	38.7	
Survey only	1627	18.3	153	17.3	95	21.3	
Both	4331	48.8	375	42.4	179	40.0	
Year (%)							
2001	2975	33.5	334	37.7	133	29.8	.0589
2002	1501	16.9	135	15.3	87	19.5	
2003	1541	17.4	138	15.6	84	18.8	
2004	1489	16.8	131	14.8	79	17.7	
2005	1366	15.4	147	16.6	64	14.3	

¹Study group comparisons were made using chi-square (all categorical) and t-tests (age).

Table 3: Logistic regression analysis of cardiovascular medications for demented and non-demented beneficiaries (N=26,758 person years of observation).¹

Variable	Unadjusted model			Adjusted model		
	OR	p-value	CI	OR	p-value	CI
Dementia	1.25	<.0001	1.15-1.35	1.24	<.0001	1.14-1.35
Age ²						
75-84				1.07	.1183	.98-1.17
>=85				1.07	.3006	.94-1.20
Female gender				1.09	.0940	.99-1.21
Race ³						
Black				1.17	.0960	.97-1.39
Other				.95	.6529	.75-1.19
Level of school completed ⁴						
0-8 yrs				1.06	.4854	.91-1.23
9-12 yrs, no diploma				1.00	.9623	.87-1.16
12 yrs, high school graduate				1.11	.1017	.98-1.25
Proxy respondent				.61	<.0001	.55-.66
Rx coverage				1.25	<.0001	1.16-1.36
Federal poverty level ⁵						
<100%				1.02	.7608	.91-1.14
100-150%				1.00	.9386	.91-1.11
150-300%				1.04	.3727	.96-1.13
Source of depression diagnosis ⁶						
Claims only				.27	<.0001	.24-.30
Survey only				.48	<.0001	.41-.55
Year ⁷						
2001				.50	<.0001	.45-.56
2002				.58	<.0001	.52-.64
2003				.67	<.0001	.61-.74
2004				.75	<.0001	.68-.83
2005				.84	<.0001	.78-.91

Notes:

¹ Logistic regression models were estimated using generalized estimating equations to account for multiple observations per beneficiary (OR=odds ratio; PR=prevalence ratio; CI=95% OR confidence interval). 26,758 person years of observation translates into 10,204 beneficiaries. Number of cardiovascular medication use events was 22,320.

² 65-74 is the reference category.

³ White is the reference category.

⁴ >12 years of education is the reference category.

⁵ >300% of the federal poverty level is the reference category.

⁶ Both claims and self-report of depression diagnosis is the reference category.

⁷ 2006 is the reference category.