

Appendix 2 (as supplied by the authors)

Table. Complete Baseline Characteristics of a Cohort of Older Adults Prescribed Trazodone or Atypical Antipsychotics

Characteristic		Trazodone N=6,588	Atypical Antipsychotics N=2,875	Crude Standardize d Difference	Trazodone N=6,588	Atypical Antipsychotics N=2,875	Weighted Standardized Difference
<i>Demographics</i>							
Year of cohort entry, n (%)	2010	2,101 (31.9%)	623 (21.7%)	0.23	28.70%	28.10%	0.01
	2011	851 (12.9%)	567 (19.7%)	0.18	15.10%	15%	<0.01
	2012	686 (10.4%)	480 (16.7%)	0.18	12.30%	12.30%	<0.01
	2013	860 (13.1%)	483 (16.8%)	0.11	14.20%	14.30%	<0.01
	2014	979 (14.9%)	365 (12.7%)	0.06	14.20%	14.40%	0.01
	2015	1,111 (16.9%)	357 (12.4%)	0.13	15.60%	16%	0.01
Age at cohort entry, mean (SD)		85.48 ± 7.22	85.00 ± 7.07	0.07	85.3 (7.2)	85.5 (7.3)	0.02
Age, n (%)	66-74	556 (8.4%)	236 (8.2%)	0.01	8.40%	8.30%	<0.01
	75-84	2,128 (32.3%)	1,004 (34.9%)	0.06	33.00%	32.40%	0.01
	85+	3,904 (59.3%)	1,635 (56.9%)	0.05	58.60%	59.30%	0.02
Female, n (%)		4,594 (69.7%)	1,908 (66.4%)	0.07	68.60%	68.20%	0.01
Weight (kg), mean (SD)		65.86 ± 29.10	65.17 ± 29.99	0.02	65.7 (29.7)	65.6 (33.7)	<0.01
Income quintile	missing	66 (1.0%)	36 (1.3%)	0.02	1.10%	1.20%	0.01
	1	1,549 (23.5%)	663 (23.1%)	0.01	23.40%	23.10%	0.01
	2	1,274 (19.3%)	532 (18.5%)	0.02	19%	18.90%	<0.01
	3	1,335 (20.3%)	600 (20.9%)	0.01	20.70%	21.20%	0.01
	4	1,254 (19.0%)	508 (17.7%)	0.04	18.50%	18.10%	0.01
	5	1,110 (16.8%)	536 (18.6%)	0.05	17.30%	17.40%	<0.01

Dependency in ≥ 1 ADLs	6,556 (99.5%)	2,859 (99.4%)	0.01	99.50%	99.50%	<0.01
Dependency in ADLs, mean (SD)	5.20 \pm 1.33	5.35 \pm 1.16	0.12	5.3 (1.3)	5.3 (1.2)	0.03
<i>Healthcare Utilization</i>						
Prescriptions, mean (SD)	19.45 \pm 9.97	17.63 \pm 9.68	0.18	18.9 (9.9)	18.8 (10)	0.01
ER visits, mean (SD)	1.52 \pm 2.85	1.39 \pm 1.95	0.05	1.5 (2.7)	1.5 (2.1)	0.01
Psychiatrist visits, mean (SD)	0.34 \pm 2.39	0.40 \pm 2.36	0.03	0.4 (2.6)	0.4 (2.4)	0.02
Geriatrician visits, mean (SD)	0.56 \pm 3.47	0.57 \pm 2.91	0	0.6 (3.5)	0.6 (3.4)	0.02
Inpatient hospitalizations, mean (SD)	0.66 \pm 1.00	0.58 \pm 0.95	0.09	0.6 (1)	0.6 (1)	0.02
Johns Hopkins ACG score, n (%)						
0-5	1,601 (24.3%)	812 (28.2%)	0.09	25.70%	25.60%	<0.01
6-10	2,173 (33.0%)	965 (33.6%)	0.01	33.20%	33.20%	<0.01
11+	2,814 (42.7%)	1,098 (38.2%)	0.09	41.20%	41.10%	<0.01
Antiarrhythmics, n (%)	2,981 (45.2%)	1,060 (36.9%)	0.17	42.60%	41.90%	0.01
Anticoagulants, n (%)	1,498 (22.7%)	515 (17.9%)	0.12	21.10%	21.40%	0.01
Hypoglycemic agents, n (%)	1,416 (21.5%)	570 (19.8%)	0.04	20.80%	19.80%	0.03
Antihypertensives, n (%)	4,606 (69.9%)	1,895 (65.9%)	0.09	68.50%	67.70%	0.02
Antilipemics, n (%)	3,015 (45.8%)	1,252 (43.5%)	0.04	44.90%	44.30%	0.01
Diuretics, n (%)	2,301 (34.9%)	798 (27.8%)	0.16	32.70%	32.30%	0.01
Glucocorticoids, n (%)	607 (9.2%)	205 (7.1%)	0.08	8.50%	8%	0.02
Hormone therapies, n (%)	150 (2.3%)	32 (1.1%)	0.09	1.90%	1.70%	0.02
Osteoporosis medications, n (%)	1,551 (23.5%)	663 (23.1%)	0.01	23.40%	23%	0.01
Antiparkinsonian agents, n (%)	501 (7.6%)	220 (7.7%)	0	7.60%	7.90%	0.01
Antiplatelet agents, n (%)	1,089 (16.5%)	406 (14.1%)	0.07	15.70%	15.30%	0.01
Pain medications, n (%)	2,892 (43.9%)	1,106 (38.5%)	0.11	42%	41.30%	0.02
Psychoactive agents, n (%)	4,842 (73.5%)	2,273 (79.1%)	0.13	75.20%	74.80%	0.01
<i>Medical History</i>						
Alcoholism, n (%)	329 (5.0%)	128 (4.5%)	0.03	4.90%	5.20%	0.02
Cardiac dysrhythmias, n (%)	1,838 (27.9%)	683 (23.8%)	0.09	26.50%	26.10%	0.01
Cerebrovascular disease, n (%)	1,526 (23.2%)	607 (21.1%)	0.05	22.50%	22.30%	0.01

Delusions or hallucinations, n (%)	251 (3.8%)	266 (9.3%)	0.22	5.70%	5.90%	0.01
Depression, n (%)	2,072 (31.5%)	871 (30.3%)	0.03	31.10%	30.80%	0.01
Diabetes mellitus, n (%)	2,285 (34.7%)	947 (32.9%)	0.04	34.10%	34.10%	<0.01
Falls, n (%)	1,619 (24.6%)	679 (23.6%)	0.02	24.20%	24.70%	0.01
Major osteoporotic fracture, n (%)	975 (14.8%)	373 (13.0%)	0.05	14.20%	14.80%	0.02
Unsteady gait, n (%)	6,069 (92.1%)	2,527 (87.9%)	0.14	90.70%	90.90%	0.01
Hearing impairment, n (%)	2,967 (45.0%)	1,307 (45.5%)	0.01	45.10%	45.20%	<0.01
Ischemic heart disease, n (%)	1,774 (26.9%)	678 (23.6%)	0.08	25.80%	25.60%	0.01
Hypertension, n (%)	5,564 (84.5%)	2,296 (79.9%)	0.12	82.80%	82.60%	0.01
Chronic kidney disease, n (%)	54 (0.8%)	10 (0.3%)	0.06	0.70%	0.50%	0.02
Chronic liver disease, n (%)	64 (1.0%)	24 (0.8%)	0.01	0.90%	0.90%	<0.01
Malignancy, n (%)	612 (9.3%)	247 (8.6%)	0.02	9%	8.90%	<0.01
Osteoporosis, n (%)	3,044 (46.2%)	1,252 (43.5%)	0.05	45.40%	45.40%	<0.01
Parkinsonism, n (%)	481 (7.3%)	212 (7.4%)	0	7.40%	7.60%	0.01
Peripheral vascular disease, n (%)	496 (7.5%)	148 (5.1%)	0.1	6.80%	6.80%	<0.01
Rheumatoid arthritis, n (%)	219 (3.3%)	83 (2.9%)	0.03	3.10%	3.10%	<0.01
Seizure disorder, n (%)	237 (3.6%)	107 (3.7%)	0.01	3.70%	3.60%	<0.01
Visual impairment, n (%)	5,383 (81.7%)	2,259 (78.6%)	0.08	80.60%	80.60%	<0.01
Wheelchair ambulation, n (%)	3,676 (55.8%)	1,364 (47.4%)	0.17	53.30%	53.70%	0.01

Performance Scales

Cognitive Performance Scale*	0	1,007 (15.3%)	144 (5.0%)	0.35	12.10%	11.40%	0.02
	1	855 (13.0%)	199 (6.9%)	0.2	11.10%	10.20%	0.03
	2	1,261 (19.1%)	522 (18.2%)	0.03	18.80%	19.10%	0.01
	3	2,241 (34.0%)	1,323 (46.0%)	0.25	37.90%	38.80%	0.02
	4	437 (6.6%)	284 (9.9%)	0.12	7.60%	7.80%	0.01
	5	519 (7.9%)	328 (11.4%)	0.12	8.90%	9%	<0.01
	6	268 (4.1%)	75 (2.6%)	0.08	3.60%	3.60%	<0.01
Aggressive Behavior Scale*	missing	<=5 (0.0%)	0 (0.0%)	0.02	0%	0%	N/A
	0	3,683 (55.9%)	1,014 (35.3%)	0.42	49.60%	49%	0.01

	1	863 (13.1%)	402 (14.0%)	0.03	13.50%	14%	0.01
	2	610 (9.3%)	364 (12.7%)	0.11	10.20%	10.20%	<0.01
	3	582 (8.8%)	351 (12.2%)	0.11	9.90%	9.90%	<0.01
	4	262 (4.0%)	208 (7.2%)	0.14	4.90%	4.90%	<0.01
	5	150 (2.3%)	155 (5.4%)	0.16	3.20%	3.30%	<0.01
	6	193 (2.9%)	127 (4.4%)	0.08	3.40%	3.30%	<0.01
	7	79 (1.2%)	80 (2.8%)	0.11	1.70%	1.70%	<0.01
	8	55 (0.8%)	64 (2.2%)	0.11	1.30%	1.30%	<0.01
	9	48 (0.7%)	48 (1.7%)	0.09	1%	1.10%	0.01
	10	22 (0.3%)	29 (1.0%)	0.08	0.60%	0.60%	0.01
	11	13 (0.2%)	11 (0.4%)	0.03	0.20%	0.20%	<0.01
	12	27 (0.4%)	22 (0.8%)	0.05	0.50%	0.60%	0.01
Depression Rating Scale*	missing	<=5 (0.0%)	0 (0.0%)	0.02	0%	0%	N/A
	0	2,229 (33.8%)	621 (21.6%)	0.28	30.10%	29.50%	0.01
	1	1,013 (15.4%)	413 (14.4%)	0.03	15.10%	15.10%	<0.01
	2	1,068 (16.2%)	487 (16.9%)	0.02	16.50%	16.80%	0.01
	3	683 (10.4%)	335 (11.7%)	0.04	10.80%	11%	0.01
	4	561 (8.5%)	317 (11.0%)	0.08	9.40%	9.50%	0.01
	5	382 (5.8%)	203 (7.1%)	0.05	6.20%	6.30%	<0.01
	6	247 (3.7%)	165 (5.7%)	0.09	4.30%	4.20%	<0.01
	7	154 (2.3%)	120 (4.2%)	0.1	2.90%	2.90%	<0.01
	8	111 (1.7%)	75 (2.6%)	0.06	1.90%	1.90%	<0.01
	9	52 (0.8%)	53 (1.8%)	0.09	1%	1.10%	<0.01
	10	41 (0.6%)	40 (1.4%)	0.08	0.90%	0.90%	<0.01
	11	26 (0.4%)	24 (0.8%)	0.06	0.60%	0.60%	0.01
	12	14 (0.2%)	10 (0.3%)	0.03	0.20%	0.20%	<0.01
	13	6 (0.1%)	<=5 (0.1%)	0.01	0.10%	0.10%	<0.01
	14	0 (0.0%)	8 (0.3%)	0.07	0%	0%	N/A

Abbreviations: number (n), not applicable (N/A), standard deviation (SD), emergency room (ER), Adjusted Clinical Group (ACG), activities of daily living (ADL)

*Higher scores indicate poorer performance on the scale (e.g. a Cognitive Performance Scale score of 6 means a patient has very severe cognitive impairment, patients with a higher Aggressive Behavior Scale score are more aggressive, patients with a higher Depression Rating Scale score have more depressive symptoms).