

**Supplementary Table 1: Medications with Cognitive Side Effects Consumed by U.S. Adults Aged 60+ in NHANES from 1999-2000 to 2015-2016**

Acamprosate	Fluorouracil	Pantoprazole
Alprazolam	Fluoxetine	Phenobarbital
Amitriptyline	Olanzapine/Fluoxetine Hydrochloride	Phenytoin
Amitriptyline Hydrochloride/Perphenazine	Fluvastatin	Pitavastatin
Atorvastatin	Gabapentin	Pramipexole
Baclofen	Heparin	Pravastatin
Bendroflumethiazide/Nadolol	Hydrochlorothiazide/Propranolol	Prednisolone
Benzotropine	Ibuprofen	Pregabalin
Carbidopa	Interferon Alfa-2A	Progesterone
Carbidopa/Levodopa	Isoniazid	Promethazine
Ciprofloxacin	Ketoprofen	Propafenone
Clomipramine	Lamotrigine	Propranolol
Clonazepam	Leuprolide	Pyridoxine
Conjugated Estrogens	Levetiracetam	Quinidine
Cyclopentolate	Levofloxacin	Rabeprazole
Cyclophosphamide	Lorazepam	Ramelteon
Cyclosporine	Lovastatin	Ribavirin
Cyproheptadine	Meclizine	Rivastigmine
Dexlansoprazole	Mefloquine	Rosuvastatin
Diazepam	Methocarbamol	Scopolamine
Diltiazem	Methotrexate	Simvastatin
Dorzolamide	Methyldopa	Tamsulosin
Dronabinol	Montelukast	Temazepam
Enzalutamide	Moxifloxacin	Testosterone
Esomeprazole	Naproxen	Tolterodine
Estazolam	Niacin/Simvastatin	Topiramate
Esterified Estrogens	Nifedipine	Trazodone
Estradiol	Nortriptyline	Tretinoin
Estradiol/Norethindrone	Ofloxacin	Triazolam
Estradiol/Norgestimate	Olanzapine	Trihexyphenidyl
Conjugated Estrogens/Medroxyprogesterone Acetate	Omeprazole	Valproic Acid
Estrogens/Methyltestosterone	Omeprazole/Sodium Bicarbonate	Zaleplon
Estropipate	Oxcarbazepine	Zolmitriptan
Etidronate	Oxybutynin	Zolpidem

**Supplementary Table 2: Top 25 Medications with the Largest Change in Utilization Among U.S. Adults Aged 60+ from 1999-2000 to 2015-2016. Data Source: NHANES 1999-2000 to 2015-2016.**

Medications	Weighted Prevalence of Utilization Among U.S. Adults Aged 60+ (%)									Difference Between 2015- 16 and 1999-00 (%)	P-value for Trend
	1999-00	2001-02	2003-04	2005-06	2007-08	2009-10	2011-12	2013-14	2015-16		
Simvastatin	5.81	7.19	8.09	10.74	13.45	18.94	18.68	14.97	14.35	8.54	p<0.001
Atorvastatin	7.36	10.67	13.38	16.06	14.44	9.40	9.63	15.05	14.99	7.63	p<0.001
Conjugated estrogens	7.08	10.35	3.18	1.60	2.12	1.33	1.07	0.83	0.60	-6.48	p<0.001
Omeprazole	4.48	4.47	2.44	4.34	7.23	9.29	9.95	12.44	10.43	5.94	p<0.001
Pravastatin	2.45	2.56	3.46	1.60	2.46	2.74	4.82	5.60	7.12	4.67	p<0.001
Rosuvastatin	0.00	0.00	0.51	0.87	2.47	3.24	3.37	6.77	4.54	4.54	p<0.001
Gabapentin	0.55	1.98	2.18	1.84	2.79	3.12	3.60	4.67	4.34	3.79	p<0.001
Tamsulosin	0.76	1.24	2.54	2.61	2.56	3.03	3.53	4.34	4.43	3.67	p<0.001
Esomeprazole	0.00	0.00	3.56	4.53	4.75	3.96	2.81	2.94	3.28	3.28	p=0.111
Nifedipine	3.38	2.52	2.22	1.90	1.27	1.86	1.18	0.85	0.83	-2.55	p<0.001
Pantoprazole	0.05	1.32	2.96	2.25	2.04	2.02	1.60	3.69	2.58	2.53	p<0.001
Montelukast	0.44	0.94	1.57	1.50	1.90	2.43	1.27	1.91	2.97	2.53	p<0.01
Lovastatin	0.98	1.60	1.73	3.60	3.16	4.04	3.25	3.15	2.90	1.92	p<0.001
Propranolol	2.30	1.17	1.57	2.19	1.45	0.62	1.03	0.78	0.43	-1.86	p<0.01
Diltiazem	3.89	4.78	4.23	3.92	2.86	2.13	1.77	1.95	2.07	-1.82	p<0.001
Pregabalin	0.00	0.00	0.00	0.16	0.27	1.11	0.34	0.99	1.70	1.70	p<0.001
Zolpidem	1.01	0.74	1.65	1.84	1.65	1.88	1.39	3.02	2.47	1.47	p<0.01
Fluoxetine	0.86	1.31	1.20	1.34	2.01	1.69	0.81	2.70	2.29	1.44	p<0.01
Meclizine	1.87	1.34	1.28	0.53	1.11	0.76	0.88	0.63	0.44	-1.43	p=0.056
Fluvastatin	1.33	1.04	1.04	0.96	0.41	0.02	0.00	0.00	0.00	-1.33	p<0.01
Alprazolam	1.63	1.34	2.36	2.08	2.63	1.02	1.88	3.30	2.89	1.26	p<0.05
Cyclosporine	0.00	0.25	0.05	0.36	0.21	0.44	0.28	0.72	1.23	1.23	p<0.05
Clonazepam	0.30	0.57	0.63	0.42	0.81	1.06	1.78	0.77	1.44	1.14	p<0.01
Naproxen	1.96	1.47	1.54	1.55	1.70	1.15	1.68	1.41	0.92	-1.04	p=0.833
Baclofen	0.02	0.00	0.10	0.12	0.10	0.48	0.24	0.35	0.90	0.87	p<0.01

Notes: P-value is obtained from logistic regression.