

Supplemental eTable 1 – List of highly anticholinergic drugs according to the 2019 Beers criteria that were used by Health ABC participants.

<b>Medication Class</b>	<b>Generic Name</b>
Antiarrhythmic	Disopyramide
Antidepressant	Amitriptyline
	Amoxapine
	Clomipramine
	Desipramine
	Doxepin
	Imipramine
	Nortriptyline
	Paroxetine
	Protriptyline
	Trimipramine
Antiemetic	Prochlorperazine
	Promethazine
Antihistamine, 1st gen.	Brompheniramine
	Chlorpheniramine
	Clemastine
	Cyproheptadine
	Dexbrompheniramine
	Dexchlorpheniramine
	Diphenhydramine
	Doxylamine
	Hydroxyzine
	Meclizine
	Clindinium
	Dicyclomine
	Homatropine
	Hyoscyamine
	Hyoscyamine
	Methscopolamine
	Propantheline
	Pyrilamine
	Triprolidine
Antimuscarinics	Darifenacin
	Fesoterodine
	Flavoxate
	Oxybutynin
	Solifenacin
	Tolterodine

	Trospium
Antiparkinsonian	Benzotropine
	Trihexyphenidyl
Antipsychotic	Chlorpromazine
	Clozapine
	Loxapine
	Olanzapine
	Perphenazine
	Thioridazine
	Triflupromazine
Antispasmodic	Atropine
	Belladonna
	Scopolamine
Muscle relaxants	Cyclobenzaprine
	Orphenadrine

Supplemental eTable 2. Generalized estimating equation (GEE) results for the association of recurrent falls by anticholinergic medication use in a sample of adults >70, without and with stratification on COMT genotype.

	Demographic adjusted <sup>1</sup>	Adjusted + Smoking	Adjusted + Diabetes	Adjusted + Anxiety	Adjusted + Back pain	Adjusted + Sleep troubles	Adjusted + Urinary incontinence	Adjusted + CES-D	Adjusted + Baseline falls
	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)
Unstratified (n=2372)	2.11 (1.73, 2.59)	2.01 (1.59, 2.53)	1.97 (1.57, 2.48)	2.00 (1.58, 2.52)	1.95 (1.55, 2.47)	1.95 (1.55, 2.46)	1.92 (1.52, 2.42)	1.88 (1.38, 2.55)	2.18 (1.75, 2.72)
Stratified by COMT:									
Met/Met (n=454)	1.49 (0.89, 2.50)	1.37 (0.75, 2.50)	1.30 (0.72, 2.37)	1.44 (0.79, 2.64)	1.43 (0.78, 2.61)	1.30 (0.71, 2.37)	1.24 (0.68, 2.27)	1.20 (0.50, 2.91)	1.75 (1.02, 3.01)
Val carrier (n=1918)	2.25 (1.80, 2.80)	2.16 (1.68, 2.78)	2.12 (1.66, 2.72)	2.10 (1.63, 2.71)	2.06 (1.59, 2.66)	2.11 (1.64, 2.72)	2.07 (1.61, 2.67)	2.01 (1.45, 2.79)	2.26 (1.78, 2.89)

<sup>1</sup>Age, Gender, Education

COMT= Catechol-O-methyltransferase; CES-D= Center for Epidemiologic Studies Depression Scale; OR=odds ratio; CI=confidence interval