

Table 2. PIM evaluation results according to Beers criteria.

Category	Drugs	Total
Medications That Should Be Avoided		3649
Anticholinergics	Chlorpheniramine, promethazine	392
	Trihexyphenidy	2
	Belladonna alkaloids	1
Antithrombotics	Dipyridamole	2
Cardiovascular	Doxazosin, terazosin, prazosin	38
	Digoxin	83
	Amiodarone	6
Central nervous system	Paroxetine, amitriptyline, doxepin (>6mg/d)	203
	Flupentixol/melitracen, olanzapine, aripiprazole, risperidone, thiopride, quetiapine	199
	Estazolam, alprazolam, lorazepam	2278
	Clonazepam, diazepam	100
	Zolpidem, eszopiclone	265
Endocrine	Ethinyl estradiol cyproterone	2
	Insulin	38
	Megestrol	15
Gastrointestinal	Metoclopramide	1
Pain medications	Indomethacin	15
	Chlorzoxazone	8
Genitourinary	Desmopressin	1
Drug-Disease or Drug-Syndrome Interactions		279
Heart failure	NSAIDs (aspirin, diclofenac sodium, loxoprofen, acetaminophen, indomethacin), non-dihydropyridine CCBs (diltiazem), cilostazol	69
Chronic seizures or epilepsy	Olanzapine	1
delirium	Benzodiazepines (estazolam)	1
Dementia or cognitive impairment	Anticholinergic drugs (chlorpheniramine, paroxetine, diphenhydroxide, solinacin, tolterodine), benzodiaze-pines (estazolam, alprazolam), Z-drugs (dexzopiclone, zolpidem), antipsychotics (olanzapine, quetiapine, aripiprazole, flupentixol/melitracen), H ₂ receptor antagonists (ranitidine)	93
Insomnia	Decongestants (pseudoephedrine), theobromines (theophylline, caffeine)	61

Parkinson disease	Antipsychotics (olanzapine, flupentixol/melitracen)	5
Chronic kidney disease Stages IV or less	NSAIDs (aspirin)	6
benign prostatic hyperplasia	Strongly anticholinergic drugs (chlorpheniramine, paroxetine, olanzapine)	43

Medications That Should Be Used with Caution 2298

Aspirin for primary prevention of cardiac events	90
Dabigatran	3
Antipsychotics, diuretics, carbamazepine, mirtazapine, oxcarbazepine, SNRIs, SSRIs, TCAs	2205

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Anticholinergic	Anticholinergic	23
Antidepressants*/ antipsychotics/benzodiazepines/ Z-drugs	≥ 2 other central nervous system active drugs	190
Corticosteroids	NSAIDs	13
Peripheral Alpha-1 blockers	Loop diuretic	2
Warfarin	Amiodarone	4
Warfarin	NSAIDs	2
Total		6460

CCBs: calcium channel blockers; SNRIs: serotonin-norepinephrine reuptake inhibitors;
Antidepressants*: included TCAs and SSRIs.