

Potentially Harmful Drug-Disease Interactions in the Elderly

Potentially Harmful Drugs—Rate 1 Medications

Description	Prescription					
Anticonvulsants	• Carbamazepine • Clobazam • Divalproex sodium • Ethosuximide	• Ethotoin • Ezogabine • Felbamate • Fosphenytoin • Gabapentin	• Lacosamide • Lamotrigine • Levetiracetam • Mephobarbital • Methsuximide	• Oxcarbazepine • Phenobarbital • Phenytoin • Pregabalin	• Primidone • Rufinamide • Tiagabine HCL • Topiramate	• Valproate sodium • Valproic acid • Vigabatrin • Zonisamide
SSRIs	• Citalopram	• Escitalopram	• Fluoxetine	• Fluvoxamine	• Paroxetine	Sertraline

Potentially Harmful Drugs—Rate 1 and Rate 2 Medications

Description	Prescription					
Antipsychotics	• Aripiprazole • Asenapine • Brexpiprazole • Cariprazine • Chlorpromazine	• Clozapine • Fluphenazine • Haloperidol • Iloperidone • Loxapine	• Lurasidone • Molindone • Olanzapine • Paliperidone	• Perphenazine • Pimozide • Quetiapine • Risperidone	• Thioridazine • Thiothixene • Trifluoperazine • Ziprasidone	
Benzodiazepines	• Alprazolam • Chlordiazepoxide products	• Clonazepam • Clorazepate-dipotassium	• Diazepam • Estazolam • Flurazepam HCL	• Lorazepam • Midazolam HCL • Oxazepam	• Quazepam • Temazepam • Triazolam	
Nonbenzodiazepine hypnotics	• Eszopiclone	• Zaleplon	• Zolpidem			
Tricyclic antidepressants	• Amitriptyline • Amoxapine	• Clomipramine • Desipramine	• Doxepin (>6 mg) • Imipramine	• Nortriptyline • Protriptyline	• Trimipramine	

Dementia Medications

Description	Prescription		
Cholinesterase inhibitors	• Donepezil	• Galantamine	• Rivastigmine
Miscellaneous central nervous system agents	• Memantine		

Potentially Harmful Drugs—Rate 2 Medications

Description	Prescription					
H ₂ receptor antagonists	• Cimetidine	• Famotidine	• Nizatidine	• Ranitidine		
Anticholinergic agents, antiemetics	• Prochlorperazine	• Promethazine				
Anticholinergic agents, antihistamines	• Carbinoxamine • Chlorpheniramine • Hydroxyzine	• Brompheniramine • Clemastine • Triprolidine	• Cyproheptadine • Dimenhydrinate • Diphenhydramine	• Dexbrompheniramine • Dexchlorpheniramine	• Doxylamine • Meclizine	
Anticholinergic agents, antispasmodics	• Atropine • Homatropine	• Belladonna alkaloids • Dicyclomine	• Hyoscyamine • Propantheline	• Scopolamine • Clidinium-chlordiazepoxide		
Anticholinergic agents, antimuscarinics (oral)	• Darifenacin • Solifenacin	• Fesoterodine • Flavoxate	• Oxybutynin • Trospium	• Tolterodine		
Anticholinergic agents, anti-Parkinson agents	• Bzotropine	• Trihexyphenidyl				
Anticholinergic agents, skeletal muscle relaxants	• Cyclobenzaprine	• Orphenadrine				
Anticholinergic agents, SSRIs	• Paroxetine					
Anticholinergic agents, antiarrhythmic	• Disopyramide					

Cox-2 Selective NSAIDs and Nonaspirin NSAIDs Medications

Description	Prescription					
Cox-2 Selective NSAIDs	• Celecoxib					
Nonaspirin NSAIDs	• Diclofenac potassium • Diclofenac sodium • Etodolac	• Fenoprofen • Flurbiprofen • Ibuprofen • Indomethacin	• Ketoprofen • Ketorolac • Meclofenamate • Mefenamic acid	• Meloxicam • Nabumetone • Naproxen • Naproxen sodium	• Oxaprozin • Piroxicam • Sulindac • Tolmetin	

American Geriatrics Society 2015 Beers Criteria Update Expert Panel. American Geriatrics Society 2015 Updated Beers Criteria for Potentially Inappropriate Medication Use in Older Adults. J Am Geriatr Soc 2015, 63:2227-2246.

National Committee for Quality Assurance (2017). HEDIS 2018. Technical Specifications. Vol. 2 (pp. 247-252). Washington, D.C.