

Use of High-Risk Medications in Older Adults (DAE)

High-Risk Medications

Description	Prescription		
Anticholinergics, first-generation antihistamines	<ul style="list-style-type: none"> • Brompheniramine • Carbinoxamine • Chlorpheniramine • Clemastine 	<ul style="list-style-type: none"> • Cyproheptadine • Dexbrompheniramine • Dexchlorpheniramine • Diphenhydramine (oral) 	<ul style="list-style-type: none"> • Dimenhydrinate • Doxylamine • Hydroxyzine • Meclizine
Anticholinergics, anti-Parkinson agents	<ul style="list-style-type: none"> • Benztropine (oral) 	<ul style="list-style-type: none"> • Trihexyphenidyl 	
Antispasmodics	<ul style="list-style-type: none"> • Atropine (exclude ophthalmic) • Belladonna alkaloids • Chlordiazepoxide-clidinium • Dicyclomine 		<ul style="list-style-type: none"> • Hyoscyamine • Methscopolamine • Propantheline • Scopolamine
Antithrombotics	<ul style="list-style-type: none"> • Dipyridamole (oral, excluding extended release) 		
Cardiovascular, alpha agonists, central	<ul style="list-style-type: none"> • Guanfacine 	<ul style="list-style-type: none"> • Methyldopa 	
Cardiovascular, other	<ul style="list-style-type: none"> • Disopyramide 	<ul style="list-style-type: none"> • Nifedipine, (excluding extended release) 	
Central nervous system, antidepressants	<ul style="list-style-type: none"> • Amitriptyline • Amoxapine • Clomipramine 	<ul style="list-style-type: none"> • Desipramine • Imipramine • Nortriptyline 	<ul style="list-style-type: none"> • Paroxetine • Protriptyline • Trimipramine
Central nervous system, barbiturates	<ul style="list-style-type: none"> • Amobarbital • Butabarbital 	<ul style="list-style-type: none"> • Butalbital • Pentobarbital 	<ul style="list-style-type: none"> • Phenobarbital • Secobarbital
Central nervous system, vasodilators	<ul style="list-style-type: none"> • Ergot mesylates 	<ul style="list-style-type: none"> • Isoxsuprine 	
Central nervous system, other	<ul style="list-style-type: none"> • Meprobamate 		
Endocrine system, estrogens with or without progestins; include only oral and topical patch products	<ul style="list-style-type: none"> • Conjugated estrogen • Esterified estrogen 	<ul style="list-style-type: none"> • Estradiol • Estropipate 	
Endocrine system, sulfonylureas, long-duration	<ul style="list-style-type: none"> • Chlorpropamide 	<ul style="list-style-type: none"> • Glimepiride 	<ul style="list-style-type: none"> • Glyburide
Endocrine system, other	<ul style="list-style-type: none"> • Desiccated thyroid 	<ul style="list-style-type: none"> • Megestrol 	
Nonbenzodiazepine hypnotics	<ul style="list-style-type: none"> • Eszopiclone • Zaleplon 	<ul style="list-style-type: none"> • Zolpidem 	
Pain medications, skeletal muscle relaxants	<ul style="list-style-type: none"> • Carisoprodol • Chlorzoxazone 	<ul style="list-style-type: none"> • Cyclobenzaprine • Metaxalone 	<ul style="list-style-type: none"> • Methocarbamol • Orphenadrine
Pain medications, other	<ul style="list-style-type: none"> • Indomethacin 	<ul style="list-style-type: none"> • Ketorolac, includes parenteral 	<ul style="list-style-type: none"> • Meperidine

High-Risk Medications With Days Supply Criteria

Description	Prescription	Days Supply Criteria
• Anti-Infectives, other	• Nitrofurantoin • Nitrofurantoin macrocrystals • Nitrofurantoin macrocrystals-monohydrate	>90 days

High-Risk Medications With Average Daily Dose Criteria

Description	Prescription	Average Daily Dose Criteria
Alpha agonists, central	• Reserpine	>0.1 mg/day
Cardiovascular, other	• Digoxin	>0.125 mg/day
Tertiary TCAs (as single agent or as part of combination products)	• Doxepin	>6 mg/day

High-Risk Medications Based on Prescription and Diagnosis Data

Description	Prescription
Antipsychotics, first (conventional) and second (atypical) generation	<ul style="list-style-type: none"> • Aripiprazole • Aripiprazole lauroxil • Asenapine • Brexpiprazole • Cariprazine • Chlorpromazine • Clozapine • Fluphenazine • Haloperidol • Iloperidone • Loxapine • Lurasidone • Molindone
Benzodiazepines (long, short and intermediate acting)	<ul style="list-style-type: none"> • Lorazepam • Midazolam • Oxazepam • Quazepam • Temazepam • Triazolam

American Geriatrics Society 2019 Updated AGS Beers Criteria® for Potentially Inappropriate Medication Use in Older Adults. J Am Geriatr Soc, 67: 674-694. National Committee for Quality Assurance (2021). HEDIS MY 2023, Technical Specifications. Vol. 2 (pp.377-383). Washington, D.C.