

# MEDICATIONS WITH SIGNIFICANT ANTICHOLINERGIC PROPERTIES

Therapeutic Categories (Drug List*)	Potential Adverse Consequences
<b>Antihistamines</b> <ul style="list-style-type: none"> <li>• chlorpheniramine, cyproheptadine, diphenhydramine, hydroxyzine</li> </ul>	Blood pressure, increased Breathing difficulty, changes Clumsiness or unsteadiness Convulsions
<b>Antidepressants</b> <ul style="list-style-type: none"> <li>• amoxapine, amitriptyline, clomipramine, desipramine, doxepin, imipramine, nortriptyline, protriptyline, paroxetine</li> </ul>	Digestive system changes, e.g., <ul style="list-style-type: none"> <li>• Bloating</li> <li>• Bowel motility, decreased</li> <li>• Constipation</li> <li>• Ileus, paralytic/adynamic</li> <li>• Nausea or vomiting</li> <li>• Swallowing difficulty with dry mouth</li> </ul>
<b>Antiemetics</b> <ul style="list-style-type: none"> <li>• prochlorperazine, promethazine</li> </ul>	
<b>Antipsychotics</b> <ul style="list-style-type: none"> <li>• chlorpromazine, clozapine, olanzapine, thioridazine</li> </ul>	Mental status/behavior changes, e.g., <ul style="list-style-type: none"> <li>• Distress, excitement, nervousness</li> <li>• Attention, impaired</li> <li>• Cognitive decline</li> <li>• Confusion/disorientation</li> <li>• Hallucinations</li> <li>• Memory loss</li> <li>• Restlessness or irritability</li> </ul>
<b>Antivertigo</b> <ul style="list-style-type: none"> <li>• meclizine, scopolamine</li> </ul>	
<b>Cardiovascular</b> <ul style="list-style-type: none"> <li>• furosemide, digoxin, nifedipine, disopyramide</li> </ul>	
<b>Gastrointestinal</b> <ul style="list-style-type: none"> <li>• Antidiarrheal: diphenoxylate atropine</li> <li>• Antispasmodics: belladonna, clidinium, chlordiazepoxide, dicyclomine, hyoscyamine, propantheline</li> <li>• Antiulcer: cimetidine, ranitidine</li> </ul>	Delirium Dizziness or Drowsiness Fever Headache Heart rate, increased Lethargy, fatigue
<b>Muscle Relaxants</b> <ul style="list-style-type: none"> <li>• cyclobenzaprine, dantrolene, orphenadrine</li> </ul>	Mucous membrane dryness: mouth, nose Muscle weakness, severe
<b>Parkinsonism</b> <ul style="list-style-type: none"> <li>• amantadine, benzotropine, biperiden, trihexyphenidyl</li> </ul>	Speech, slurring Skin, changes <ul style="list-style-type: none"> <li>• Dryness</li> <li>• Sweating, decreased</li> <li>• Flushing</li> <li>• Warmth, excessive</li> </ul>
<b>Urinary Incontinence</b> <ul style="list-style-type: none"> <li>• oxybutynin, propantheline, solifenacin, tolterodine, trospium</li> </ul>	Vision impairment, changes in acuity <ul style="list-style-type: none"> <li>• Blurring</li> <li>• Glaucoma, worsening</li> <li>• Eye pain</li> <li>• Light sensitivity</li> </ul> Urinary retention or difficulty

**NOTES**

\*Not an inclusive list.  
 Adapted from the *CMS State Operations Manual: Appendix PP - Guidance to Surveyors for Long Term Care Facilities*.  
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