

How Antipsychotic Medications are Used to Help People with Dementia

A Guide for Residents, Families, and Caregivers



Antipsychotic medications are used to treat a variety of different mental health conditions. They may be used to treat people with dementia when they have certain serious behaviours that are hard to manage with other strategies. As a member of the care team, you have an important role to play in helping the health care providers decide whether this treatment is a good choice for your family member or friend. This guide will help you learn more about how antipsychotic medications are used to help people with dementia.

Dementia and Behavioural Symptoms

What is Dementia?

Dementia is the general name for a set of symptoms that are caused by physical changes that affect the brain. The most common kind of dementia is Alzheimer's disease, but there are several other kinds, including dementia with Lewy Body's, frontotemporal dementia, and vascular dementia. People with dementia have trouble with memory, thinking, problem-solving, and using language. These problems make it hard for them to do day-to-day activities.

A person with dementia might also have changes in their mood or behaviour, such as:







- Seeing or believing things that are not real
- Being confused and scared
- Feeling agitated, depressed, or irritable
- Lacking interest in activities

These behaviours are a common part of the way the disease develops. They are often a response to the way the person with dementia feels, or they may be a reaction to a change in their environment.

Some of these behaviours, like extreme agitation, extreme aggression, and seeing or believing things that are not real, can be upsetting for the person with dementia and for others. Health care providers are trained to manage these behaviours. As a close friend or family member you can help the care team to better understand what might be causing these behaviours.

What Are the Behavioural and Psychological Symptoms of Dementia?

In addition to memory loss, some common behaviours include:

| | | | | | |
|--|---|---|--|---|--|
|  | Psychosis <ul style="list-style-type: none">• Delusions (false beliefs)• Hallucinations (hearing/seeing things that aren't there) |  | Aggression <ul style="list-style-type: none">• Defensiveness• Resistance to care• Verbal hostility• Physical attacks |  | Agitation <ul style="list-style-type: none">• Dressing or undressing• Pacing• Repetitive actions• Restlessness/anxiety |
|  | Depression <ul style="list-style-type: none">• Anxiety• Guilty thoughts• Hopelessness• Irritability• Sadness/tearfulness• Suicidal thoughts |  | Apathy <ul style="list-style-type: none">• Lack of motivation• Lack of interest• Withdrawing from others |  | Mania <ul style="list-style-type: none">• Intense excitement• Irritability• Fast speech |

Other: • Hiding or collecting things • Wandering without aggression • Disinhibition (e.g., sexual)

Treating Dementia

How is Dementia Treated?

For now, there is no cure for dementia and no way to stop it from getting worse over time. Some medications may help manage symptoms like memory loss and changes in language, thinking abilities and motor skills. Other medications help with depression or anxiety. There are some conditions, like vitamin deficiencies, thyroid disease, sleep disorders, or mental illness that cause symptoms of dementia that can be treated.

Even if a doctor prescribes medications, many other strategies can help manage behavioural symptoms caused by dementia. The care team will involve the person with dementia and their family or friends to find the approaches they think will work best.

Creating a Supportive Environment

As a first step, the care team will look for ways to manage the behavioural symptoms without using medication. The most effective ways focus on creating a supportive environment, and investigating and satisfying the unmet needs of the resident. The care team will try to:

- Understand what makes the person feel calm and safe
- Understand what triggers behavioural symptoms
- Set up a safe and comfortable environment, and routines that match the person's habits and preferences
- Treat the person with calm, respect, and compassion
- Communicate with simple words and phrases
- Offer therapies and recreational activities that are meaningful and enjoyable
- Understand how behaviours can change at different times of the day
- Match what they do to the stage of the person's disease
- Remember that some behaviours and emotions are a normal reaction to things like frustration or sadness, and may not be a symptom related to their dementia

You Can Help

Talk with the care team about:

- What helps make the person feel calmer and happier, their hobbies, their likes and dislikes, and culturally or socially important routines
- Symptoms or behaviours that are upsetting or unsafe for the person with dementia or for other residents or family members
- How often the behavioural symptoms are happening
- Conditions or triggers that cause these behaviours
- Changes in the person's behaviour or anything different or unusual about their behaviour

Strategies for Managing Behavioural Symptoms

Possible Solutions to Specific Behavioural Symptoms

The care team may use a guide like the one below to help them understand and manage behavioural symptoms. The first set of behaviours below come from the Dementia Observation System (DOS), a tool that some health care providers use to assess a person's behaviour.

| Behaviour | | Possible Solutions |
|-----------|---|--|
| DOS | Noisy | <ul style="list-style-type: none"> • Distract*, engage • Use music that the person likes, nature sounds, tapes of family members |
| | Restless | <ul style="list-style-type: none"> • Distract*, engage • Offer places to rest, physical exercise, outdoor activities |
| | Exit Seeking | <ul style="list-style-type: none"> • Distract*, engage • Adapt the environment to reduce exit-seeking • Provide physical exercise, outdoor activities • Register the individual with MedicAlert and Alzheimer's Society Safety Home program so their contact information will be on a bracelet or necklace • Hide exits with curtains, or paint a black circle on the floor (so the person will think it is a hole and will not exit) |
| | Verbally aggressive | <ul style="list-style-type: none"> • Distract*, engage • Use music that the person likes, nature sounds, tapes of family members |
| | Physically aggressive | <ul style="list-style-type: none"> • Distract*, keep calm, remain warm and supportive • If possible, give the person some space and try to approach later |
| Other | Delusion/hallucination | <ul style="list-style-type: none"> • Understand that something has upset them and don't argue about the false belief • Focus efforts on how the person feels, not the things they say • Offer distraction, but avoid clutter, TV, radio |
| | Agitated/irritated | <ul style="list-style-type: none"> • Calm, soothe, distract* • Use music the person likes, aromatherapy, pet therapy, physical exercise, outdoor activities |
| | Resistant to care | <ul style="list-style-type: none"> • Try to understand the cause of the person's feelings, approach them slowly • Identify the cause of the resistance, change the routine and ways of doing things |
| | Repetitive questions/mannerisms | <ul style="list-style-type: none"> • Reassure, address the possible cause, distract* • Put the answer to the same repetitive question on a piece of paper or card and ask the individual to read the card instead |
| | Collecting | <ul style="list-style-type: none"> • Remove items gradually, reorganize and clear paths in the case of emergency • Be compassionate |
| | Inappropriate behaviour <small>(e.g., disrobing, masturbation in public, verbally inappropriate, hyper sexuality)</small> | <ul style="list-style-type: none"> • Distract*, re-direct them to more appropriate behaviour • Keep an active and regular schedule to avoid boredom • Try increasing the level of appropriate physical attention • Provide personal space, if possible, and come back when the individual is calmer • Offer a private area where they can masturbate |

* When distracting, make sure the activity has a meaning or purpose and ask questions like "I need your help to..." or "do you think you can help me with this".

Antipsychotics for Dementia: An Introduction

How is the Choice Made to Use Antipsychotics?

The care team will try many strategies to help the person with dementia manage problem behaviours without using medications. Sometimes these strategies don't work or the symptoms get worse. If these behaviours are very upsetting or dangerous to the person with dementia or to others, the care team might use medications, including antipsychotics. Before they prescribe antipsychotic medications the care team will review:

- Any physical health, hearing, or vision problems that might be causing them pain, discomfort, or frustration
- Medications they are taking, including combinations of medications and side effects of medications
- Factors like the physical space, level of noise or activity, and changes to the person's routine
- Relationships with caregivers, family, or friends
- Any risk of harm to the person or others
- If the behavioural symptoms are likely or unlikely to respond to antipsychotics

| Common Antipsychotics | |
|-----------------------|----------------|
| Drug Names | Brand Name |
| Risperidone | Risperdal |
| Olanzapine | Zyprexa |
| Aripiprazole | Abilify |
| Quetiapine | Seroquel |
| Haloperidol | Haldol |
| Loxapine | Loxapac, Xylac |

Symptoms Likely or Unlikely to Respond to Antipsychotics



Likely to Respond to Antipsychotics

Antipsychotics **may** help to manage symptoms or behaviours like:

- Hallucinations (hearing voices or seeing people who are not there)
- Delusions (feeling suspicious or paranoid that people are trying to hurt them)
- Severe agitation (extreme irritability, screaming, inability to sleep)
- Aggressive physical behaviour (shouting, hitting, kicking, or biting)



Unlikely to Respond to Antipsychotics

Antipsychotics **do not help** to manage symptoms or behaviours like:

- Unsocial behaviour towards other people
- Apathy (no interest in what is happening)
- Inappropriate behaviour (like taking off clothes or sexual advances towards other people)
- Hiding or collecting things
- Repeating actions or words over and over
- Resistance to a specific person
- Wandering or being restless

You can help

- Make notes about:
 - The name and dose of the antipsychotic medication(s)
 - Symptoms that the medication is supposed to help
 - Possible side effects of the medication
 - When the medication was started and stopped
 - Other strategies being used to manage the symptoms
- Watch for side effects and communicate with the care team if you are concerned
- Watch the behavioural symptoms to see if they get better, worse, or don't change
- Talk with the care team periodically about whether the antipsychotic should be continued

Antipsychotics: What to Expect

How Do We Know If Antipsychotics are Helping?

At the start, the care team will give the person with dementia a low dose of the antipsychotic and will monitor them carefully. They may change the dose or stop the medication if the behaviour does not get better, if the side effects are bad, or if the behaviour is more manageable. If the antipsychotics are not working, the care team will consider using other types of medication.

Dementia is a progressive disease. That means that **most behaviours will change over time**. For this reason, the care team will review the effects of antipsychotics from time to time to decide if they should be continued or not. Research shows that antipsychotics may help about one person out of every five who takes them for about 12 weeks.

Side Effects

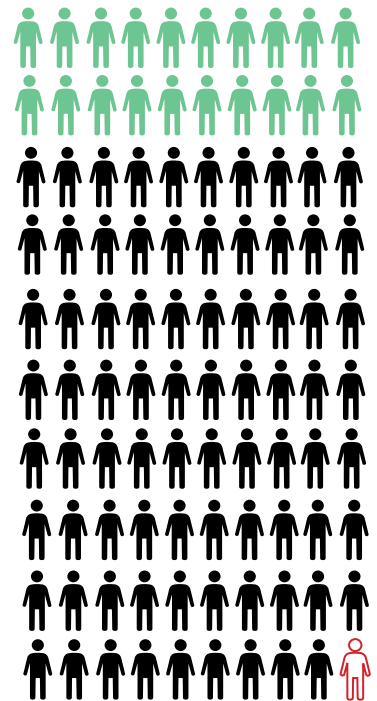
Some of the **more common** side effects are:




- Feeling sleepy or groggy
- Confusion
- Weight gain
- High blood sugar
- High cholesterol
- Dizziness caused by low blood pressure
- Constipation
- Swelling, usually around the ankles
- Problems urinating (more common in older men)
- Tight muscles that make the person shuffle or take short steps

Some of the **less common** side effects are:

- Shaking in the hands or arms
- Restlessness or needing to walk around a lot
- Twitching face

By the Numbers



-  : Likely to be helped by antipsychotics
-  : Likely to have **no benefit** from using antipsychotics
-  : Likely to have a stroke or die*

*There is research to show that for every 100 people with dementia who take antipsychotics one person is likely to have a stroke or die (mostly related to heart failure, sudden death, pneumonia). However, it is hard to tell if the antipsychotic medicine was the cause, because those with dementia are often at high risk even when not taking an antipsychotic.

Do Antipsychotics Help or Harm?

How can antipsychotics help?

The care team might recommend antipsychotics for people with dementia to try to reduce or control symptoms of psychosis, such as delusions (false beliefs) and hallucinations (seeing or hearing something that is not there), and sometimes for severe agitation or aggression. They can help to calm and clear confusion in a person with acute psychosis within hours or days, but may take several weeks to reach their full effect. When a person feels calmer, some of the other strategies to manage behaviour might work better.

How can antipsychotics harm?

Antipsychotics may make some symptoms better, but make others worse. Every medication causes different kinds of side effects. Some side effects are more serious if the person takes higher doses of the medication. Some side effects get better after taking the medication for a while. Sometimes, it's hard to tell the difference between a side effect of the medicine and a symptom of dementia.

For More Information

Please visit effectivepractice.org/dementia for other resources, or visit the organizations below for more information and support:

Alzheimer Society of Canada. About Dementia

<http://www.alzheimer.ca/en/About-dementia>

The Butterfly Approach

<http://www.dementiacarematters.com/d4.html>

CAMH. Antipsychotic medication

http://www.camh.ca/en/hospital/health_information/Pages/default.aspx

Choosing Wisely Canada. Treating disruptive behaviour in people with dementia.

<http://www.choosingwiselycanada.org/materials/treating-disruptive-behaviour-in-people-with-dementia-antipsychotic-drugs-are-usually-not-the-best-choice/>

Eden Alternative

<http://www.edenalt.org/>

Family Councils' Ontario.

<http://www.fco.ngo/>

Health Quality Ontario. Tools and Resources for Patients, Families and Caregivers.

<http://www.hqontario.ca/Patient-Engagement/Tools-and-Resources/Patients-Families-and-Care-givers>

Ontario Association of Residents' Councils.

<http://www.ontarc.com/>

Pioneer Network

<http://www.pioneernetwork.net/>

References

Additional references can be found in Centre for Effective Practice (CEP)'s Discussion Guide for providers at effectivepractice.org/dementia. This resource for residents, families, and caregivers was developed from feedback given by our long-term care stakeholder organizations, providers, and residents, who identified a need for a resource that supports consistent language and approaches for antipsychotic use for dementia across the care team. This resource was adapted, with permission, from work at the University of Iowa and Health Literacy Iowa, and CEP's Use of Antipsychotics in Behavioural and Psychological Symptoms of Dementia Discussion Guide. CEP is grateful to the providers, residents, family members, and caregivers that provided feedback throughout the development process of this resource.

- [1] **Alzheimer Society Canada. What is dementia?**. <http://www.alzheimer.ca/en/About-dementia/What-is-dementia> (accessed February 2016).
- [2] **Alzheimer Society Ontario. Shifting focus: a guide to understanding dementia behaviour. 2013.** <http://brainxchange.ca/Public/Files/Behaviour/ShiftingFocusBooklet.aspx> (accessed February 2016).

University of Iowa and Health Literacy Iowa. (2013). Antipsychotic Medicines for People with Dementia. For more information please see: <https://www.healthcare.uiowa.edu/igec/iaadapt/>

Centre for Effective Practice. (2016). Use of Antipsychotics in Behavioural and Psychological Symptoms of Dementia (BPSD) Discussion Guide: Long-Term Care (LTC Edition). For more information please see: <http://effectivepractice.org/academic-detailing-service/>

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