



PATIENT & CAREGIVER EDUCATION

Tiotropium

This information from Lexicomp® explains what you need to know about this medication, including what it's used for, how to take it, its side effects, and when to call your healthcare provider.

Brand Names: US

Spiriva HandiHaler; Spiriva Respimat

Brand Names: Canada

Spiriva; Spiriva Respimat

What is this drug used for?

Inhaler (aerosol):

- It is used to treat asthma.
- It may be given to your child for other reasons. Talk with the doctor.
- This drug is not to be used to treat intense flare-ups of shortness of breath. Use a rescue inhaler. Talk with the doctor.

Capsules for breathing in:

- If your child has been given this form of this drug, talk with the doctor for information about the benefits and risks. Talk

with the doctor if you have questions or concerns about giving this drug to your child.

What do I need to tell the doctor BEFORE my child takes this drug?

- If your child has an allergy to this drug or any part of this drug.
- If your child is allergic to any drugs like this one or any other drugs, foods, or other substances. Tell the doctor about the allergy and what signs your child had, like rash; hives; itching; shortness of breath; wheezing; cough; swelling of face, lips, tongue, or throat; or any other signs.
- If your child takes other drugs called anticholinergics, like ipratropium or oxybutynin. Ask the doctor if you are not sure if any of your child's drugs are anticholinergic.

This drug may interact with other drugs or health problems.

Tell the doctor and pharmacist about all of your child's drugs (prescription or OTC, natural products, vitamins) and health problems. You must check to make sure that it is safe for your child to take this drug with all of his/her drugs and health problems. Do not start, stop, or change the dose of any drug your child takes without checking with the doctor.

What are some things I need to know or do while my child takes this drug?

- Tell all of your child's health care providers that your child is

taking this drug. This includes your child's doctors, nurses, pharmacists, and dentists.

- Have your child avoid tasks or actions that call for alertness or clear eyesight until you see how this drug affects your child. These are things like riding a bike, playing sports, or using items such as scissors, lawnmowers, electric scooters, toy cars, or motorized vehicles.
- Call the doctor right away if your child has breathing problems that get worse, if the rescue inhaler does not work as well, or if your child needs to use the rescue inhaler more often.
- It may take several weeks to see the full effects.
- Be sure this drug does not get in your child's eyes. If it gets in your child's eyes, it may cause large pupils and blurred eyesight.
- Do not give more than the doctor told you to give. Do not give more often or for longer than you were told. Doing any of these things may raise the chance of very bad side effects.

If your child is pregnant or breast-feeding a baby:

- Talk with the doctor if your child is pregnant, becomes pregnant, or is breast-feeding a baby. You will need to talk about the benefits and risks to your child and the baby.

What are some side effects that I need to call my child's doctor about right away?

WARNING/CAUTION: Even though it may be rare, some

people may have very bad and sometimes deadly side effects when taking a drug. Tell your child's doctor or get medical help right away if your child has any of the following signs or symptoms that may be related to a very bad side effect:

- Signs of an allergic reaction, like rash; hives; itching; red, swollen, blistered, or peeling skin with or without fever; wheezing; tightness in the chest or throat; trouble breathing, swallowing, or talking; unusual hoarseness; or swelling of the mouth, face, lips, tongue, or throat.
- Change in eyesight, eye pain, or very bad eye irritation.
- Eye redness.
- Seeing halos or bright colors around lights.
- Trouble passing urine, pain when passing urine, passing urine in a weak stream or drips, or passing urine more often.
- Chest pain or pressure.
- This drug can cause very bad breathing problems right after your child takes a dose. Sometimes, this may be life-threatening. If your child has trouble breathing, breathing that is worse, wheezing, or coughing after using this drug, have your child use a rescue inhaler and get medical help right away.

What are some other side effects of this drug?

All drugs may cause side effects. However, many people have no side effects or only have minor side effects. Call your child's

doctor or get medical help if any of these side effects or any other side effects bother your child or do not go away:

- Dry mouth.
- Upset stomach.
- Nose or throat irritation.
- Runny or stuffy nose.
- Cough.
- Stomach pain.
- Dizziness.

These are not all of the side effects that may occur. If you have questions about side effects, call your child's doctor. Call your child's doctor for medical advice about side effects.

You may report side effects to your national health agency.

How is this drug best given?

Give this drug as ordered by your child's doctor. Read all information given to you. Follow all instructions closely.

- To gain the most benefit, do not miss giving your child doses.
- Keep giving this drug to your child as you have been told by your child's doctor or other health care provider, even if your child feels well.
- Prepare the inhaler before first use. Spray towards the ground until mist is seen. Once the mist is seen, spray 3

more times. If it has been more than 3 days since it has been used, spray once at the ground. If not used in more than 21 days, you will need to prepare the inhaler again. Spray until mist is seen then spray 3 more times.

- Keep out of your child's eyes.
- Follow how to clean carefully.
- After all sprays have been used, the inhaler will lock.
- If your child is using more than 1 inhaled drug, ask your child's doctor which inhaled drug to give first.
- Do not use a spacer with the inhaler.
- Use new inhaler with each refill.
- Put the cap back on after your child is done using a dose.

What do I do if my child misses a dose?

- Give a missed dose as soon as you think about it.
- If it is the next day, skip the missed dose and go back to your child's normal time.
- Do not give more than 1 dose of this drug in the same day.

How do I store and/or throw out this drug?

- Store at room temperature. Do not freeze.
- Store in a dry place. Do not store in a bathroom.
- After putting together, throw away the inhaler 3 months after first use or when the inhaler locks.

- Keep all drugs in a safe place. Keep all drugs out of the reach of children and pets.
- Throw away unused or expired drugs. Do not flush down a toilet or pour down a drain unless you are told to do so. Check with your pharmacist if you have questions about the best way to throw out drugs. There may be drug take-back programs in your area.

General drug facts

- If your child's symptoms or health problems do not get better or if they become worse, call your child's doctor.
- Do not share your child's drug with others and do not give anyone else's drug to your child.
- Keep a list of all your child's drugs (prescription, natural products, vitamins, OTC) with you. Give this list to your child's doctor.
- Talk with your child's doctor before giving your child any new drug, including prescription or OTC, natural products, or vitamins.
- Some drugs may have another patient information leaflet. If you have any questions about this drug, please talk with your child's doctor, nurse, pharmacist, or other health care provider.
- If you think there has been an overdose, call your poison control center or get medical care right away. Be ready to tell or show what was taken, how much, and when it

happened.

Consumer Information Use and Disclaimer

This information should not be used to decide whether or not to take this medicine or any other medicine. Only the healthcare provider has the knowledge and training to decide which medicines are right for a specific patient. This information does not endorse any medicine as safe, effective, or approved for treating any patient or health condition. This is only a brief summary of general information about this medicine. It does NOT include all information about the possible uses, directions, warnings, precautions, interactions, adverse effects, or risks that may apply to this medicine. This information is not specific medical advice and does not replace information you receive from the healthcare provider. You must talk with the healthcare provider for complete information about the risks and benefits of using this medicine.

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If you have any questions, contact a member of your healthcare team directly. If you're a patient at MSK and you need to reach a provider after 5:00 PM, during the weekend, or on a holiday, call 212-639-2000.

For more resources, visit www.mskcc.org/pe to search our virtual library.

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