

Prolia®

Denosumab(rch) den"-os"-u"-mab

Consumer Medicine Information (CMI)

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This leaflet answers some common questions about Prolia (pronounced - PRO-lia).

It does not contain all the available information. It does not take the

place of talking to your doctor, nurse or pharmacist.

All medicines have risks and benefits. Your doctor has weighed the risks of you using this medicine against the benefits they expect it will have for you.

If you have any concerns about using this medicine, ask your doctor, nurse or pharmacist.

Keep this leaflet with the medicine.

You may need to read it again.

What Prolia is used for

Prolia is used to treat:

- Osteoporosis in women after the menopause, to reduce the risk of spinal, non-spinal and hip fractures.
- Bone loss in men with osteoporosis at increased risk of fracture.

Bone is a living tissue and is renewed all the time. In women, the ovaries produce the hormone oestrogen which helps keep bones healthy. After menopause, the oestrogen level drops which affects the bone renewal cycle so that more bone is lost than made, resulting in a lower bone mass. This leaves bones thin and fragile and may eventually lead to a condition called osteoporosis.

Osteoporosis becomes more common, occurring in women and men with increasing age. Many people with osteoporosis have no symptoms but they are still at risk of breaking bones (developing

fractures), especially in the spine, hips and wrists.

Prolia is prescribed to you to treat osteoporosis and bone loss because you have an increased risk of fractures. Other things that can increase the risk of fractures include:

- age
- existence of a previous fracture
- family history of hip fractures
- low body weight
- drinking alcohol
- smoking.

Prolia contains the active substance denosumab, which is a protein (monoclonal antibody) that specifically attaches (binds) to another unique protein in the body in order to treat osteoporosis and bone loss. Treatment with Prolia makes your bone stronger and less likely to break. Because Prolia works for a long time, you will not need another dose of Prolia for 6 months.

Your doctor however, may prescribe Prolia for another purpose.

Ask your doctor if you have any questions about why this medicine has been prescribed for you.

This medicine is available only with a doctor's prescription. It is not addictive.

Before you are given it

When you must not be given it

Do not use Prolia if you have an allergy to:

- any medicine containing denosumab
- any of the ingredients listed at the end of this leaflet
- any medicines that are produced using Chinese Hamster Ovary cells.

Some of the symptoms of an allergic reaction may include:

- shortness of breath
- wheezing or difficulty breathing
- swelling of the face, lips, tongue, throat or other parts of the body
- rash, itching or hives on the skin.

Do not use Prolia if you have low levels of calcium in your blood.

Your doctor may do a blood test to check your calcium levels before you use Prolia.

Do not use Prolia if you are pregnant or trying to get pregnant.

Prolia may harm your unborn baby.

Do not breast-feed while you are having treatment with Prolia.

It is not known if the active ingredient, denosumab, passes into breast milk.

Do not use Prolia in a child or adolescent.

Prolia is not indicated for use in children or adolescents aged 18 years or less.

Do not use it after the expiry date [Exp.] printed on the pack.

If you use it after the expiry date has passed, it may not work as well.

Do not use it if the packaging is torn or shows signs of tampering.

Do not use it if the Prolia solution is cloudy or discoloured.

There may be some translucent to white particles of protein in the

solution, however the medicine can still be used.

If you are not sure whether you should be given this medicine, talk to your doctor.

Before you are given it

Tell your doctor if:

- **you have allergies to:**
 - any other medicines
 - any other substances such as foods, preservatives or dyes.
- **you have calcium deficiency or a vitamin D deficiency.**

If you are prone to low calcium levels, your doctor will monitor your blood especially in the first few weeks after starting Prolia. Severe low blood calcium levels may lead to hospitalisation, life-threatening events and death.
- **you are unable to take daily calcium or vitamin D supplements.**
- **you have or have had severe kidney problems, kidney failure or have needed dialysis.**
 - These conditions may increase your risk of getting low blood calcium, if you do not take calcium supplements.
- **you have been told by a doctor or healthcare professional that you have an intolerance to some sugars.**
- **you become pregnant during your Prolia treatment, if you think you may become pregnant or plan to become pregnant.**
- **you are breast-feeding during your Prolia treatment or plan to breast-feed.**
 - It is not known whether the active ingredient, denosumab, passes into breast milk.
- **you had or have pain in the teeth gums or jaw, swelling or numbness of the jaw or a "heavy jaw feeling" or loosening of a tooth.**

- A dental condition called jaw osteonecrosis has been rarely reported in patients treated with Prolia. You may need to have dental treatment completed before starting your medicine.

If you have not told your doctor about any of the above, tell him/her before you start using Prolia.

Taking other medicines

Tell your doctor, nurse or pharmacist if you are taking any other medicines, including any that you buy without a prescription from your pharmacy, supermarket or health food shop.

You should not take Prolia with another medicine containing denosumab.

How it is given

Prolia is given as an injection under the skin. This is called a subcutaneous injection.

Your Prolia is supplied in a pre-filled syringe with an automatic needle guard.

Your doctor may decide that it is best for you or a carer to inject Prolia. Your doctor, nurse or pharmacist will show you or your carer how to use Prolia. Do not use Prolia unless proper training has been given.

Follow all directions given to you by your doctor, nurse or pharmacist carefully.

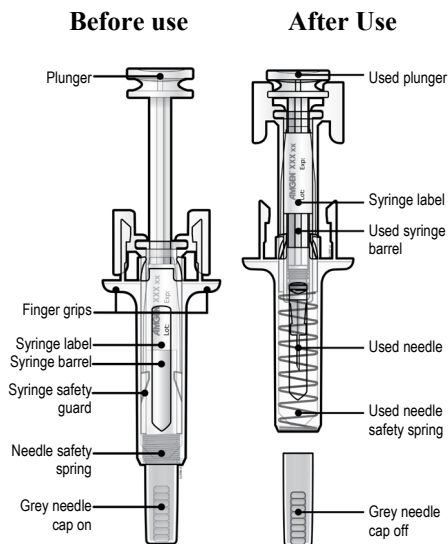
They may differ from the information contained in this leaflet.

Instructions for injecting Prolia when supplied in a pre-filled syringe with an automatic needle guard

This section contains information on how you, or the person injecting you (your carer), must use the Prolia pre-filled syringe.

To reduce the risk of accidental injury by the needle, each pre-filled syringe is equipped with an automatic needle guard that is automatically activated to cover the needle after complete delivery of the pre-filled syringe contents.

Guide to parts



Important

Before you or your carer use Prolia pre-filled syringe with automatic needle guard, read this important information:

- It is important that you do not try to give the injection unless training from your doctor, nurse or pharmacist has been received.
- Prolia is given as an injection into the tissue just under the skin (subcutaneous injection).
- DO NOT remove the grey needle cap from the pre-filled syringe until you are ready to inject.

- DO NOT use the pre-filled syringe if it has been dropped on a hard surface. Use a new pre-filled syringe and call your doctor, nurse or pharmacist.
- DO NOT attempt to activate the pre-filled syringe prior to injection.
- DO NOT attempt to remove the clear pre-filled syringe safety guard from the pre-filled syringe.

Call your doctor, nurse or pharmacist if you have any questions.

Step 1: Prepare

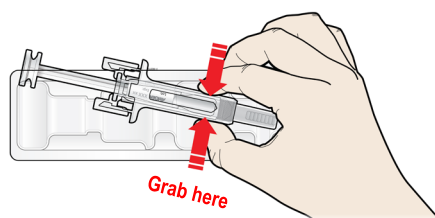
A: Remove the pre-filled syringe tray from the package and gather the supplies needed for your injection: alcohol wipes, a cotton ball or gauze pad, a plaster and a sharps disposal container (not included).

For a more comfortable injection, leave the pre-filled syringe at room temperature for about 30 minutes before injecting. Wash your hands thoroughly with soap and water.

On a clean, well-lit work surface, place the new pre-filled syringe and the other supplies.

- DO NOT try to warm the syringe by using a heat source such as hot water or microwave.
- DO NOT leave the pre-filled syringe exposed to direct sunlight.
- DO NOT shake the pre-filled syringe.
- **Keep pre-filled syringes out of the sight and reach of children**

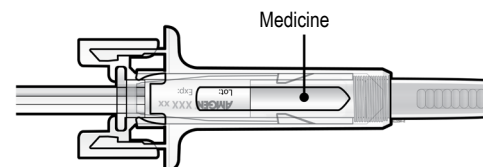
B: Open the tray, peeling away the cover. Grab the pre-filled syringe safety guard to remove the pre-filled syringe from the tray.



For safety reasons:

- DO NOT grasp the plunger.
- DO NOT grasp the grey needle cap.

C: Inspect the medicine and pre-filled syringe



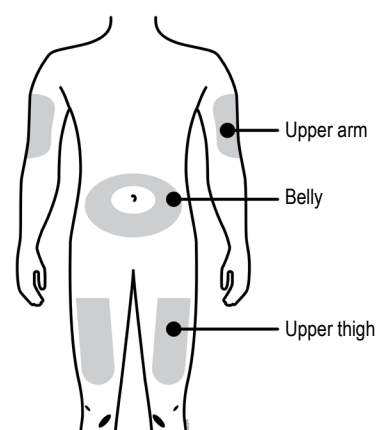
DO NOT use the pre-filled syringe if:

- the medicine is cloudy or there are particles in it. It must be a clear, colourless to slightly yellow solution.
- any part appears cracked or broken.
- the grey needle cap is missing or not securely attached.
- the expiry date printed on the label has passed the last day of the month shown.

In all cases, call your doctor, nurse or pharmacist.

Step 2: Get ready

A: Wash your hands thoroughly. Prepare and clean your injection site.



You can use:

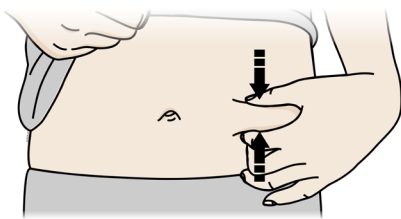
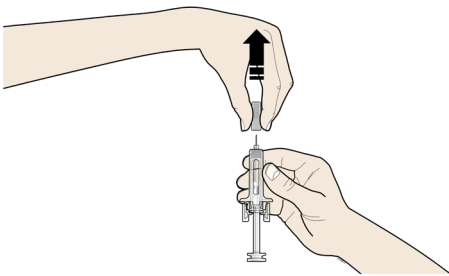
- Upper part of your thigh.
- Belly, except for a 5 cm (2-inch) area right around your belly button.

- Outer area of upper arm (only if someone else is giving you the injection).

Clean the injection site with an alcohol wipe. Let the skin dry.

- DO NOT touch the injection site before injecting.
- DO NOT inject into areas where the skin is tender, bruised, red, or hard. Avoid injecting into areas with scars or stretch marks.

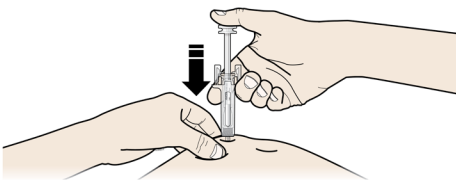
B: Carefully pull the grey needle cap straight out and away from your body.



It is important to keep the skin pinched when injecting.

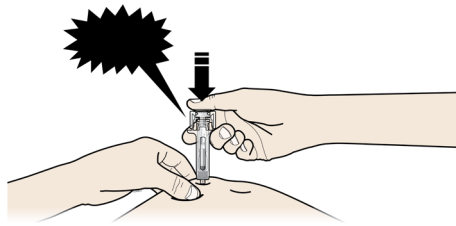
Step 3: Inject

A: Hold the pinch. INSERT the needle into skin.

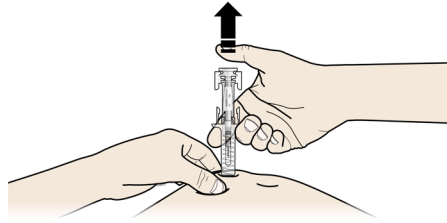


- DO NOT touch the cleaned area of the skin.

B: PUSH the plunger with slow and constant pressure until you feel or hear a “snap”. Push all the way down through the snap.



LIFT the syringe off skin.

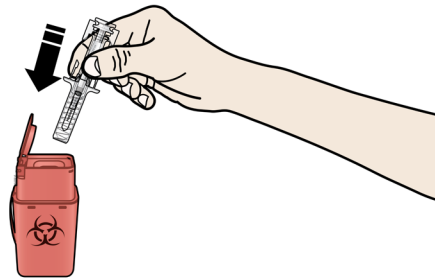


After releasing the plunger, the pre-filled syringe safety guard will safely cover the injection needle.

- DO NOT put the grey needle cap back on used pre-filled syringes.

Step 4: Finish

A: Discard the used pre-filled syringe and other supplies in a sharps disposal container.



Medicines should be disposed of in accordance with local requirements. Ask your pharmacist how to dispose of medicines no longer required. These measures will help to protect the environment.

Keep the syringe and sharps disposal container out of sight and reach of children.

- DO NOT reuse the pre-filled syringe.

- DO NOT recycle pre-filled syringes or throw them into household waste.

B: Examine the injection site

If there is blood, press a cotton ball or gauze pad on your injection site. DO NOT rub the injection site. Apply a plaster if needed.

While you are using it

How much is given

The usual dose is 60 mg administered once every 6 months.

You should also take calcium and vitamin D supplements while receiving Prolia. Your doctor, nurse or pharmacist will discuss this with you.

When to use it

Prolia is injected once every 6 months.

Each pack of Prolia contains a reminder card that can be removed from the carton. Use the reminder card to keep a record of the next injection date.

How long to use it

Continue using your medicine for as long as your doctor tells you.

Prolia can treat osteoporosis and bone loss only for as long as you keep having treatment. Please talk to your doctor before you consider stopping treatment.

If you miss a dose

If you miss a dose, it should be administered as soon as possible.

From then on, it should be scheduled every 6 months from the date of the last injection.

If you are given too much (overdose)

Immediately telephone your doctor or the Poisons Information Centre

(telephone 131126) if you think you or anyone else may have had too much Prolia.

Do this even if there are no signs of discomfort or poisoning.

Things you must do

Tell any other doctor, nurses and pharmacist who treat you that you are having this medicine.

If you are about to be started on any other medicine, remind your doctor, nurse or pharmacist that you are being treated with Prolia.

Take calcium and vitamin D supplements if your doctor has told you to.

Most people do not get enough calcium and vitamin D in their diet and supplements are needed to help strengthen bones. Prolia may lower the calcium levels in your blood. Your doctor should tell you how much calcium and vitamin D you should take to help prevent low calcium levels in your blood while you take Prolia.

If you become pregnant while using this medicine, tell your doctor immediately.

Your doctor can discuss with you the risks of having it while you are pregnant.

Attend all of your doctor's appointments so that your progress can be checked.

Your doctor may recommend you to have some urine tests, X-rays and/or bone density scans from time to time to make sure the medicine is working.

Tell your doctor and dentist immediately about any dental symptoms including pain or unusual feeling in your teeth or gums, or any dental infections.

A dental condition called jaw osteonecrosis has been rarely reported in patients treated with Prolia.

Things you must not do

Do not use Prolia to treat any other complaints unless your doctor tells you to.

Do not give your medicine to anyone else, even if they have the same condition as you.

Do not stop using your medicine without checking with your doctor.

Prolia can treat osteoporosis and bone loss only for as long as you keep having treatment. Please talk to your doctor before you consider stopping treatment.

Things to be careful of

Be careful driving or using machinery until you know how it affects you.

Prolia has no known effects on the ability to drive or use machines but, as a general precaution, if you are driving soon after an injection, arrange to have someone else drive.

Practice good dental hygiene. Your routine dental hygiene should include:

- Brushing your teeth and tongue after every meal, including the evening
- Gentle flossing once a day to remove plaque.

Use a mirror and check your teeth and gums regularly for any changes such as sores or bleeding gums. If you notice any problems, tell your doctor and dentist immediately.

Side effects

Tell your doctor, nurse or pharmacist as soon as possible if you do not feel well after using Prolia.

All medicines can have some unwanted side effects. Sometimes they are serious but most of the time they are not. Your doctor has weighed the risks of using this

medicine against the benefits they expect it will have for you.

Do not be alarmed by this list of possible side effects.

You may not experience any of them.

All medicines can have side effects. You may need medical treatment if you get some of the side effects.

Ask your doctor, nurse or pharmacist to answer any questions you may have.

If any of the following happen tell your doctor, nurse or pharmacist immediately or go to Accident and Emergency at your nearest hospital:

- shortness of breath
- wheezing or difficulty breathing
- swelling of the face, lips, tongue, throat or other parts of the body
- rash, itching or hives on the skin.

These are very serious side effects. If you have them, you may be having a serious allergic reaction to the medicine. You may need urgent medical attention or hospitalisation. These side effects are rare.

Tell your doctor, nurse or pharmacist immediately if you notice any of the following:

- numbness or tingling in your fingers, toes or around the mouth
- muscle spasms, twitches, aches or cramps
- seizures. These may be signs of low blood calcium (hypocalcaemia).
- Severe allergic reaction with skin rash, blisters or fever.

These may be serious side effects. You may need urgent medical attention. These serious side effects are rare.

Tell your doctor, nurse or pharmacist as soon as possible if you notice any of the following and they worry you:

- skin infection with swelling and redness, most commonly affecting the lower leg, that feels hot and tender

- feeling feverish
- itchy, red or dry skin
- cataract, a clouding of the lens in the eye that affects vision
- blurred or cloudy vision
- decreased feeling or sensitivity, especially of the skin
- back, muscle or bone pain
- joint pain, most commonly affecting the hips, knees and spine
- aching muscle, muscle tenderness or weakness, not caused by exercise
- pain in the extremities, such as hands and feet
- high cholesterol levels in the blood
- pain in upper abdomen (belly) that may be accompanied by back pain, nausea, vomiting fever and/or sweating.
- hair loss
- pain at the injection site.

These are uncommon or mild common side effects of the medicine.

Contact your doctor if you experience new or unusual pain in your hip, groin or thigh.

This may be an early indication of a possible fracture of the thigh bone. This side effect is very rare.

Contact your doctor if you notice any purple or brownish-red spots, hives or skin sores.

This may be an allergic reaction that can damage blood vessels mainly in the skin. This side effect is very rare.

Tell your doctor, nurse or pharmacist if you notice anything that is making you feel unwell.

Other side effects not listed above may also occur in some people.

Contact your doctor if you plan to stop taking Prolia.

After your treatment with Prolia is stopped, it is possible that broken bones in your spine may occur especially if you have a history of broken bones in the spine. If your

Prolia treatment is stopped, discuss other available treatment options with your doctor.

After using it

Storage

If you need to store your Prolia before use:

- **Keep your medicine in the refrigerator, between 2°C and 8°C. Do not freeze.**
 - Keep your medicine in the carton in order to protect it from light. If you remove the medicine from the carton it will not keep well.
- **Your medicine may be left outside the refrigerator to reach room temperature (up to 25°C) before injection. This will make the injection more comfortable.**
 - Once your medicine has been left to reach room temperature (up to 25°C), it must be used within 30 days.
 - Do not shake or vigorously agitate the pre-filled syringe.
- **Keep it where children cannot reach it.**

Prolia is for single-use in one patient only. Dispose of any unused or expired medicine as instructed below.

Disposal

Return any unused or expired medicine to your pharmacist.

Product description

What it looks like

Your Prolia is supplied in a pre-filled syringe with an automatic needle guard.

Prolia comes in a single pack size containing 60 mg of denosumab in a volume of 1.0 mL (60 mg/1.0 mL).

Each pack contains:

- one reminder card and
- one ready to use pre-filled syringe with an automatic needle guard. The needle cover on the pre-filled syringe is not made with natural rubber latex.

Ingredients

Active ingredient: denosumab.

Inactive ingredients within the pre-filled syringe with an automatic needle guard:

- acetate
- sodium hydroxide
- sorbitol
- polysorbate 20
- water for injection.

This medicine does not contain gluten, tartrazine or any other azo dyes.

Sponsor

Prolia is supplied in New Zealand by:
Amgen (New Zealand) Limited
Level 22, PwC Tower
15 Customs Street West
Auckland 1010
New Zealand

National Poisons Centre
(0800 POISON or 0800 764 766)

Medical Information: 0800 443 885

This CMI was prepared in February 2026.

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