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Xgeva

Generic name: [denosumab](#) [*den-OH-sue-mab*]

Drug class: [Miscellaneous bone resorption inhibitors](#)

Medically reviewed by [Carmen Pope, BPharm](#). Last updated on Apr 1, 2025.

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What is Xgeva?

Xgeva is a monoclonal antibody. Monoclonal antibodies are made to target and destroy only certain cells in the body. This may help to protect healthy cells from damage.

The Xgeva brand of denosumab is used to prevent bone fractures and other skeletal conditions in people with [multiple myeloma](#), and in people with tumors that have spread to the bone.

Xgeva is also used to treat giant cell bone tumor in adults and teenagers with fully matured bone structure.

Xgeva is also used to treat high blood levels of calcium caused by cancer, when other medicines such as pamidronate or zoledronic acid (Zometa) have been used without success.

Xgeva was FDA-approved on June 1, 2010. There are currently 3 biosimilars to Xgeva:

- [Wyost](#) (denosumab-bbdz) made by Sandoz Inc. (FDA approval March 5, 2024)
- [Xbryk](#) (denosumab-dssb) made by Samsung Bioepis (FDA approval February 16, 2025)
- [Osenvelt](#) (denosumab-bmwo) made by Celltrion (FDA approval February 28, 2025)
- [Bomynta](#) (denosumab-bnht) made by Fresenius Kabi (FDA approval March 25, 2025).

Prolia Vs Xgeva

[Prolia](#) is another brand of denosumab used to treat [osteoporosis](#) in postmenopausal women who have a high risk of bone fracture.

- Xgeva and Prolia have different dosages and uses and are not interchangeable (see [Xgeva vs Prolia. How do they compare?](#) for more information).

Warnings

This medication guide provides information about the Xgeva brand of denosumab. Prolia is another brand of denosumab

used to treat osteoporosis in postmenopausal women who have high risk of bone fracture.

Do not use denosumab if you are pregnant.

You should not receive Xgeva if you are allergic to denosumab, or if you have low levels of calcium in your blood (hypocalcemia).

Before you receive this medicine, tell your doctor if you have kidney disease or if you are on dialysis.

Some people using Xgeva have developed bone loss in the jaw, also called osteonecrosis of the jaw. Symptoms may include jaw pain, swelling, numbness, loose teeth, gum infection, or slow healing after injury or surgery involving the gums. You may be more likely to develop osteonecrosis of the jaw if you have cancer or have been treated with chemotherapy, radiation, or steroids. Other conditions associated with osteonecrosis of the jaw include blood clotting disorders, anemia (low red blood cells), and a pre-existing dental problem.

If you need to have any dental work (especially surgery), tell the dentist ahead of time that you are receiving Xgeva. You may need to stop using the medicine for a short time.

Before receiving Xgeva

You should not receive Xgeva if you are allergic to denosumab or if you have low levels of calcium in your blood (hypocalcemia).

While you are receiving Xgeva, you should not use Prolia, another brand of denosumab.

To make sure you can safely use this medicine, tell your doctor if you have kidney disease (or if you are on dialysis).

Xgeva may cause bone loss (osteonecrosis) in the jaw. Symptoms include jaw pain or numbness, red or swollen gums, loose teeth, or slow healing after dental work.

Osteonecrosis of the jaw may be more likely if you have cancer or received chemotherapy, radiation, or steroids. Other risk factors include blood clotting disorders, anemia (low red blood cells), and a pre-existing dental problem.

Denosumab can harm an unborn baby. You may need to have a negative pregnancy test before starting this treatment. Use effective birth control while using this medicine, and for at least 5 months after your last dose.

You should not breast-feed while using Xgeva.

 [Xgeva pregnancy and breastfeeding warnings](#) (more detail)

How is Xgeva given?

Xgeva is injected under the skin of your stomach, upper thigh, or upper arm. A healthcare provider will give you this injection.

Xgeva is usually given once every 4 weeks.

Your doctor may have you take extra calcium and vitamin D while you are being treated with denosumab. Take only the amount of calcium and vitamin D that your doctor has prescribed.

If you need to have any dental work (especially surgery), tell the dentist ahead of time that you are receiving Xgeva. You may need to stop using the medicine for a short time.

Pay special attention to your dental hygiene. Brush and floss your teeth regularly while receiving this medication. You may need to have a dental exam before you begin treatment with this medicine. Follow your doctor's instructions.

 [Detailed Xgeva dosage information](#)

What happens if I miss a dose?

Call your doctor for instructions if you miss an appointment for your Xgeva injection.

What happens if I overdose?

Seek emergency medical attention or call the Poison Help line at 1-800-222-1222.

What should I avoid?

Follow your doctor's instructions about any restrictions on food, beverages, or activity.

Xgeva side effects

Get emergency medical help if you have any signs of an allergic reaction to Xgeva: itching, rash, hives; difficult breathing; feeling like you might pass out; swelling of your face, lips, tongue, or throat.

Call your doctor at once if you have:

- new or unusual pain in your thigh, hip, or groin;
- trouble breathing;
- **low red blood cells (anemia)**- pale skin, feeling light-headed or short of breath, rapid heart rate, trouble concentrating; or
- **low levels of calcium in your blood (hypocalcemia)** - numbness or tingly feeling around your mouth or in your fingers or toes, muscle tightness or contraction, overactive reflexes.

After you stop using this medicine, tell your doctor if you have symptoms of high calcium levels (hypercalcemia) such as nausea, vomiting, headache, confusion, lack of energy, or tiredness.

Common Xgeva side effects may include:

- feeling weak or tired;
- nausea, vomiting, loss of appetite;
- diarrhea, constipation;
- headache, back pain; or
- pain or swelling in your arms or legs.

This is not a complete list of side effects and others may occur. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

 [Xgeva side effects](#) (more detail)

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What other drugs will affect Xgeva?

Other drugs may interact with denosumab, including prescription and over-the-counter medicines, vitamins, and herbal

products. Tell each of your health care providers about all medicines you use now and any medicine you start or stop using.

 [Xgeva drug interactions](#) (more detail)

Does Xgeva interact with my other drugs?

Enter medications to view a detailed interaction report using our [Drug Interaction Checker](#).

Xgeva

+

Enter a drug name

Add

Xgeva Biosimilars

Biosimilar and interchangeable products are biological products that are highly similar to and have no clinically meaningful differences from the reference product.

Reference products

These are biological products that have already been approved by the FDA, against which biosimilar products are compared. There are 2 for Xgeva.

Prolia (denosumab) - Amgen Inc.

Formulation type	Strength
Pre-Filled Syringe	60 mg/mL
Single-Dose Vial	60 mg/mL Discontinued

View [Prolia](#) information in detail.

Xgeva (denosumab) - Amgen Inc.

Prolia, Xgeva interchangeable products

Interchangeable biosimilar products can be dispensed by a pharmacist without the intervention of the prescriber of the reference product.

Pharmacy laws for biosimilar prescribing may vary by state.

Jubbonti (denosumab-bbdz) - Sandoz Inc.

Wyost (denosumab-bbdz) - Sandoz Inc.

Popular FAQ

Xgeva vs Prolia. How do they compare?



How long should you take Xgeva for?



Is Xgeva a chemotherapy drug?



Does Xgeva cause bone pain?



Does Xgeva cause low blood pressure?



More FAQ

- [What biosimilars have been approved in the United States?](#)
- [How many years should you take Prolia?](#)

[View more FAQ...](#)

References

1. [Xgeva Product Label](#)

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Patient resources

Other brands

[Prolia](#), [Jubbonti](#), [Wyost](#)

Professional resources

- [Xgeva prescribing information](#)
- [Denosumab \(AHFS Monograph\)](#)

Other brands

[Prolia](#)

Related treatment guides

- [Osteolytic Bone Lesions of Multiple Myeloma](#)
- [Osteolytic Bone Metastases of Solid Tumors](#)
- [Giant Cell Tumor of Bone](#)
- [Hypercalcemia of Malignancy](#)

Further information

Remember, keep this and all other medicines out of the reach of children, never share your medicines with others, and use Xgeva only for the indication prescribed.

Always consult your healthcare provider to ensure the information displayed on this page applies to your personal circumstances.

[Medical Disclaimer](#)

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DRUG STATUS

Availability	
Rx	Prescription only
Pregnancy & Lactation	
	Risk data available
CSA Schedule*	
N/A	Not a controlled drug
Approval History	
10+ years	FDA approved 2010

User Reviews & Ratings

6.1 / 10

[9 Reviews](#)

Related News

[FDA Approves Bomynta \(denosumab-bnht\), a Biosimilar to Xgeva](#)

[FDA Approves Conexence \(denosumab-bnht\), a Biosimilar to Prolia](#)

[FDA Approves Osenvelt \(denosumab-bmwo\), a Biosimilar to Xgeva](#)

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[Xgeva 120 mg/1.7 mL injection](#)

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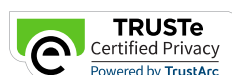
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