

Clinical Policy: Denosumab (Xgeva)

Reference Number: LA.PHAR.58 Effective Date: 04.21 Last Review Date: 06.27.2305.07.24 Line of Business: Medicaid

Coding Implications Revision Log

See <u>Important Reminder</u> at the end of this policy for important regulatory and legal information.

Please note: This policy is for medical benefit

Description

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Denosumab (Xgeva®) is a receptor activator of nuclear factor kappa-B ligand inhibitor.

FDA Approved Indication(s)

Xgeva is indicated:

- <u>Multiple myeloma (MM) and solid tumors</u>: For the prevention of skeletal-related events in
 patients with <u>multiple myeloma (MM)</u> and in patients with bone metastases from solid
 tumors.
- <u>Giant cell tumor of the bone</u>: For the treatment of adults and skeletally mature adolescents with giant cell tumor of bone that is unresectable or where surgical resection is likely to result in severe morbidity.
- <u>Hypercalcemia of malignancy</u>: For the treatment of hypercalcemia of malignancy refractory to bisphosphonate therapy.

Policy/Criteria

Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

Denosum

Index

- I. Initial Approval Criteria
 - A. Osteoporosis (Prolia)
 - B. Prostate/Breast Cancer Fracture Prevention (Prolia)
 - A.C. Multiple Myeloma or Solid Tumor (Xgeva)
 - **B-D.** Giant Cell Tumor of Bone (*Xgeva*)
 - **L**. Hypercalcemia of Malignancy (*Xgeva*)
 - **D-F.** Systemic Mastocytosis (off-label) (*Xgeva*)
 - **E.G.** Other diagnoses/indications
- II. Continued Therapy
 - A. All Indications in Section I (Xgeva)
 - **B.** Other diagnoses/indications
- III. Diagnoses/Indications for which coverage is NOT authorized
- IV. Appendices/General Information
- **V.** Dosage and Administration
- VI. Product Availability
- VII. References

It is the policy of Louisiana Healthcare Connections that Xgeva is **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

- I.
- A. Multiple Myeloma or Solid Tumor (must meet all):
 - 1. Request is for Xgeva;
 - 2. Diagnosis of one of the following (a or b):
 - a. MM, and member is receiving or initiating therapy (e.g., chemotherapy, transplant) for symptomatic disease;
 - b. Bone metastasis secondary to solid tumor (e.g., breast, kidney, lung, prostate, thyroid);
 - 3. Prescribed by or in consultation with an oncologist;
 - 4. Age \geq 18 years or documentation of closed epiphyses on x-ray;
 - 5. For indications other than prostate or breast cancer, member meets one of the following (a or b):
 - a. Failure of zoledronic acid* (Zometa) or pamidronate* at up to maximally indicated doses, unless clinically significant adverse effects are experienced or both are contraindicated (*see Appendices B and D*); **Prior authorization may be required.*
 - Request is for <u>Stagethe treatment associated with stage</u> IV or metastatic cancer or associated conditions. Exception if "clinically equivalent<u>for a state with</u> regulations against step therapy, contains identical active ingredient(s), and proven to have same efficacy"; in advanced oncology settings (*see Appendix E*);
 - 6. Xgeva is not prescribed concurrently with Prolia;
 - 7. Dose does not exceed 120 mg every 4 weeks.

Approval duration: 6 months

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Page 2 of 10



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- **B. Giant Cell Tumor of Bone** (must meet all):
 - 1. Request is for Xgeva;
 - 2. Diagnosis of giant cell tumor of bone that is characterized as one of the following (a or b):
 - a. Metastatic or unresectable disease;
 - b. Localized disease, and Xgeva is prescribed as a single agent or in combination with interferon alfa or radiation therapy;
 - 3. Prescribed by or in consultation with an oncologist;
 - 4. Age \geq 18 years or documentation of closed epiphyses on x-ray;
 - 5. Xgeva is not prescribed concurrently with Prolia;
 - 6. Dose does not exceed 120 mg every 4 weeks plus 120 mg on days 8 and 15 of first month of therapy.

Approval duration: 6 months

C. Hypercalcemia of Malignancy (must meet all):

- 1. Request is for Xgeva;
- 2. Diagnosis of hypercalcemia of malignancy:
- 3. Prescribed by or in consultation with an oncologist;
- 4. Age \geq 18 years or documentation of closed epiphyses on x-ray;
- Albumin-corrected calcium > 12.5 mg/dL despite IV bisphosphonate therapy in the last 30 days (see Appendix B); *Prior authorization may be required.
- Xgeva is not prescribed concurrently with Prolia;
- 7. Dose does not exceed 120 mg every 4 weeks plus 120 mg on days 8 and 15 of first month of therapy.

Approval duration: 6 months

D. Systemic Mastocytosis (off-label) (must meet all):

- 1. Request is for Xgeva;
- 2. Diagnosis of systemic mastocytosis;
- 3. Member has osteopenia or osteoporosis with bone pain-;
- 4. Prescribed by or in consultation with an oncologist;
- 5. Age \geq 18 years or documentation of closed epiphyses on x-ray;
- 6. Member meets one of the following (a or b):
 - Failure of zoledronic acid* (Zometa) or pamidronate* at up to maximally indicated doses unless clinically significant adverse effects are experienced or both are contraindicated (*see Appendices B and D*);
 *Prior authorization may be required.
 - Request is for the treatment associated with Stage IV or metastatic cancer or associated conditions. Exception if "clinically equivalent for a State with regulations against step therapy, contains identical active ingredient(s), and proven to have same efficacy"; in advanced oncology settings (see Appendix E);
- 7. Xgeva is not prescribed concurrently with Prolia;
- 8. Dose is within FDA maximum limit for any FDA-approved indication or is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (prescriber must submit supporting evidence).* *Prescribed regimen must be FDA-approved or recommended by NCCN.

Page 3 of 10





Approval duration: 6 months

A. Other diagnoses/indications (must meet 1 or 2):

- 1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to LA.PMN.255
- 2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: LA.PMN.53 for Medicaid.

II. Continued Therapy

- A.B. All Indications in Section I (must meet all):
 - 1. Member meets one of the following (a or b):
 - a. Currently receiving medication via Louisiana Healthcare Connections benefit or member has previously met initial approval criteria;
 - b. Documentation supports that member is currently receiving Xgeva for a covered cancer-related indication and has received this medication for at least 30 days;
 - 2. Member is responding positively to therapy;
 - 3.a. If request is for a dose increase, new dose does not exceed 120 mg every 4 weeks ← or is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (prescriber must submit supporting evidence).*
 *Prescribed regimen must be FDA-approved or recommended by NCCN.

Approval duration: 12 months

A. Other diagnoses/indications (must meet 1 or 2):

- 1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to LA.PMN.255
- 2. If the requested use (e.g. diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: LA.PMN.53 for Medicaid.

III. Diagnoses/Indications for which coverage is NOT authorized:

A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policy – LA.PMN.53 for Medicaid or evidence of coverage documents.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key
ADT: androgen deprivation therapy
BMD: bone mineral density
FDA: Food and Drug Administration

GIO: glucocorticoid-induced osteoporosis MM: multiple myeloma PMO: postmenopausal osteoporosis

Appendix B: Therapeutic Alternatives

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Page 4 of 10



This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here <u>may not be a formulary agent for all relevant lines of business</u> <u>and may require prior authorization</u>.

Drug Name	Dosing Regimen	Dose Limit/	 For	matted Table		
		Maximum Dose				
IV bisphosphonates						
ibandronate (Boniva)®)	Treatment: PMO	Varies				
	Hypercalcemia of malignancy (off-label)	See prescribing				
zoledronic acid (Reclast [®] ;	Reclast:	information and	For	matted: Underlin	e	
Zometa)	Treatment/prevention: PMO, GIO	compendia for				
	Treatment: male osteoporosis	dosing.				
	Treatment: Paget disease					
	Zometa:		For	matted: Underlin	e	
	MM					
	Bone metastasis from solid tumors					
	Hypercalcemia of malignancy					
	Systemic mastocytosis (off-label)					
	Fracture prevention - breast/prostate					
	cancer (off-label)					
pamidronate	MM					
•	Bone metastasis from breast cancer					
	Hypercalcemia of malignancy					
	Systemic mastocytosis (off-label)					
	Fracture prevention – breast/prostate					
	cancer (off-label)					
Oral bisphosphonates						
alendronate	Treatment: PMO	Varies				
(Fosamax [®])	Treatment: GIO, male osteoporosis	See prescribing				
Fosamax [®] Plus D	Treatment: PMO, male osteoporosis	information and				
(alendronate /		compendia for				
cholecalciferol)		dosing.				
risedronate	Actonel:	1				
(Actonel [®] , Atelvia [®])	Treatment: PMO, GIO					
ź	Treatment: male osteoporosis					
	Atelvia:					
	Treatment: PMO					
ibandronate (Boniva [®])	Treatment/prevention: PMO	1				
	l as Brand name [®] (generic) when the drug is available	e by brand name only				

Therapeutic alternatives are listed as Brand name[®] (generic) when the drug is available by brand name o and generic (Brand name[®]) when the drug is available by both brand and generic.

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s):
 - o Xgeva: hypocalcemia, known clinically significant hypersensitivity to Xgeva
- Boxed warning(s): none reported



Denosumab



Appendix D: IV/PO Bisphosphonates: Examples of Contraindications and Adverse Effects

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Bisphosphonates	Oral Formulations	IV Formulations
Contraindications	•	
Hypocalcemia	Х	Х
Increased risk of aspiration	Х	-
Hypersensitivity to product component	Х	Х
Inability to stand/sit upright for at least 30 minutes	Х	-
Creatinine clearance < 35 mL/min or evidence of acute renal impairment	-	Х
Esophagus abnormalities which delay emptying such as stricture or achalasia	Х	-
Clinically significant warnings or adverse side eff	fects	
Pregnancy	Х	Х
Eye inflammation	Х	Х
Acute renal failure	Х	Х
Osteonecrosis of the jaw	Х	Х
Atypical femoral shaft fracture	Х	Х
Drug interactions (product-specific)	Х	Х
Severe or incapacitating musculoskeletal pain	Х	X

Appendix E: States with Regulations against Redirections in Stage III, IV or Metastatic

<u>Cancer</u>		
State		
LA	Yes	For stage 4 advanced, metastatic cancer or associated conditions.
		Exception if "clinically equivalent therapy, contains identical
		active ingredient(s), and proven to have same efficacy.

V. Dosage and Administration

Druș	ig Name	Indication	Dosing Regimen	Maximum Dose
Den	nosumab	MM	120 mg SC once every	120 20
(Xge	,eva)	Solid tumor - bone metastasis	4 weeks	mg/dose
	ſ	Giant cell tumor of bone	120 mg SC every 4	120
		Hypercalcemia of malignancy	weeks plus 120 mg on	mg/dose
	ļ		Days 8 and 15 of first	
			month of therapy	

VI. Product Availability

Drug Name	Availability	Formatted Table
Denosumab (Xgeva)	Injection (single-use vial): 120 mg/1.7 mL (70 mg/mL)	

VII. References



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<u>Oncology</u>

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- 5.14. National Comprehensive Cancer Network. Bone Cancer Version 2.20231.2024. Available at: https://www.nccn.org/professionals/physician_gls/pdf/bone.pdf. Accessed October 28, 202223, 2023.
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Page 7 of 10



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Coding Implications

Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-todate sources of professional coding guidance prior to the submission of claims for

reimbursement of covered services. HCPCS Description

Codes	
J0897	Injection, denosumab, 1 mg

Reviews, Revisions, and Approvals	Date	LDH
		Approval Date
Converted corporate to local policy.	01.21	04.21
Removed Prolia criteria. LDH Prolia criteria utilized for Physician	04.22	07.01.22
Administered Medication Prior Authorizations. For multiple myeloma		
or solid tumor and systemic mastocytosis: allowed bypassing of		
redirection of step therapy in Stage IV or metastatic cancer settings.		
Template changes applied to other diagnoses/indications and continued	06.27.23	01.03.24
therapy section. References reviewed and updated.		
Added blurb this policy is for medical benefit only.		
Minor grammatical and formatting edits.		
Updated maximum dosage for MM.		
Annual review; no material changes to policy content; appendices	05.07.24	
updated for clarity, references reviewed and updated.		

Important Reminder

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional



organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. LHCC makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable LHCC administrative policies and procedures.

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Page 9 of 10



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