

## Clinical Policy: Interferon Gamma-1b (Actimmune)

Reference Number: LA.PHAR.52

Effective Date: 07.23.22

Last Review Date: 04.2206.27.23

Line of Business: Medicaid

[Coding Implications](#)

[Revision Log](#)

See [Important Reminder](#) at the end of this policy for important regulatory and legal information.

**\*\*Please note: This policy is for medical benefit\*\***

### Description

Interferon gamma-1b (Actimmune®) is a recombinant form of gamma interferon.

### FDA Approved Indication(s)

Actimmune is indicated for:

- Reducing the frequency and severity of serious infections associated with chronic granulomatous disease (CGD)
- Delaying time to disease progression in patients with severe, malignant osteopetrosis (SMO)

### Policy/Criteria

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

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

#### I. Initial Approval Criteria

##### A. Chronic Granulomatous Disease (must meet all):

1. Diagnosis of CGD;
2. Age  $\geq$  1 year;
3. Prescribed by or in consultation with a hematologist or infectious disease specialist;
4. Dose does not exceed one of the following (a or b):
  - a. Body surface area (BSA)  $> 0.5 \text{ m}^2$ : 50 mcg/m<sup>2</sup> three times weekly;
  - b. BSA  $\leq 0.5 \text{ m}^2$ : 1.5 mcg/kg three times weekly.

##### Approval duration:

**~~Medicaid~~**—6 months

##### B. Severe Malignant Osteopetrosis (must meet all):

1. Diagnosis of SMO (also known as autosomal recessive osteopetrosis);
2. Prescribed by or in consultation with an endocrinologist or rheumatologist;
3. Age  $\geq$  1 month;
4. Dose does not exceed one of the following (a or b):
  - a. BSA  $> 0.5 \text{ m}^2$ : 50 mcg/m<sup>2</sup> three times weekly;
  - b. BSA  $\leq 0.5 \text{ m}^2$ : 1.5 mcg/kg three times weekly.

##### Approval duration:

~~Medicaid~~—6 months

**C. Mycosis Fungoides, Sezary Syndrome (off-label) (must meet all):**

1. Diagnosis of mycosis fungoides or Sezary syndrome;
2. Prescribed by or in consultation with an oncologist;
3. Age  $\geq$  18 years;
4. Request meets one of the following (a, b, or c):\*
  - a. BSA  $>$  0.5 m<sup>2</sup>: Dose does not exceed 50 mcg/m<sup>2</sup> three times weekly;
  - b. BSA  $\leq$  0.5 m<sup>2</sup>: Dose does not exceed 1.5 mcg/kg three times weekly;
  - c. Dose 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:**

~~Medicaid~~—6 months

**D. 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

~~1. If the requested use (e.g., diagnosis, age, dosing regimen)~~

**~~Other diagnoses/indications:~~**

- ~~3.2. Refer to the off-label use policy if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): LA.PMN.53 for Medicaid.) AND criterion 1 above does not apply, refer to the off-label use policy LA.PMN.53~~

**II. Continued Therapy**

**A. 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 Actimmune for mycosis fungoides or Sezary syndrome and has received this medication for at least 30 days;
2. Member is responding positively to therapy;
3. If request is for a dose increase, request meets one of the following (a, b, or c):\*
  - a. BSA  $>$  0.5 m<sup>2</sup>: New dose does not exceed 50 mcg/m<sup>2</sup> three times weekly;
  - b. BSA  $\leq$  0.5 m<sup>2</sup>: New dose does not exceed 1.5 mcg/kg three times weekly;
  - c. New dose 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:**

~~Medicaid~~—6 months

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

~~2. **Other diagnoses/indications** Currently receiving medication via Louisiana Healthcare Connections benefit and documentation supports positive response to therapy. Approval duration: Duration of request or 6 months (whichever is less); or~~

~~**B. Refer to the off-label use policy if diagnosis (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): LA.PMN.53 for Medicaid.) AND criterion 1 above does not apply, refer to the off-label use policy LA.PMN.53~~

### 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 ~~ies~~ – LA.PMN.53 for Medicaid, or evidence of coverage documents.

### IV. Appendices/General Information

*Appendix A: Abbreviation/Acronym Key*

BSA: body surface area

CGD: chronic granulomatous disease

FDA: Food and Drug Administration

SMO: severe, malignant osteopetrosis

*Appendix B: Therapeutic Alternatives*

Not applicable

*Appendix C: Contraindications/Boxed Warnings*

- Contraindication(s): hypersensitivity to interferon gamma, *E. coli* derived products, or any component of the product
- Boxed warning(s): none reported

### V. Dosage and Administration

Indication	Dosing Regimen	Maximum Dose
CGD, SMO	BSA > 0.5 m <sup>2</sup> : 50 mcg/m <sup>2</sup> SC TIW	See dosing regimen
	BSA ≤ 0.5 m <sup>2</sup> : 1.5 mcg/kg/dose SC TIW	

### VI. Product Availability

Single-use vial for injection: 100 mcg (2 million IU)/0.5 mL

### VII. References

- Actimmune Prescribing Information. Lake Forest, IL: Horizon Pharma USA, Inc.; March 2021. Available at: [www.actimmune.com](http://www.actimmune.com). Accessed ~~September 13, 2021~~ November 22, 2022.  
*Primary Immunodeficiency*
- Immune Deficiency Foundation. Diagnostic and clinical care guidelines for primary immunodeficiency diseases. Third edition. Copyrights 2008, 2009, 2015 the Immune Deficiency Foundation. Available at:

[https://primaryimmune.org/sites/default/files/publications/2015-Diagnostic-and-Clinical-Care-Guidelines-for-PI\\_1.pdf](https://primaryimmune.org/sites/default/files/publications/2015-Diagnostic-and-Clinical-Care-Guidelines-for-PI_1.pdf). ~~September 13, 2021~~ Accessed November 22, 2022.

3. Bonilla FA, Khan DA, Ballas ZK, et al. Practice parameter for the diagnosis and management of primary immunodeficiency. J Allergy Clin Immunol. November 2015; 136(5): 1186-1205.

#### Osteopetrosis

4. Wu CC, Econs MJ, DiMeglio L, et al. Diagnosis and management of osteopetrosis: consensus guidelines from the Osteopetrosis Working Group. J Clin Endocrinol Metab September 2017;102(9):3111–23.

#### Oncology

5. Interferon Gamma-1b. In: National Comprehensive Cancer Network Drugs and Biologics Compendium. Available at [www.nccn.org](http://www.nccn.org). Accessed ~~September 13, 2021~~ November 22, 2022.
6. National Comprehensive Cancer Network. Primary Cutaneous Lymphomas Version 2.2022. Available at: [www.nccn.org](http://www.nccn.org). Accessed ~~September 13, 2021~~ November 22, 2022.

### **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-to-date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

HCPSC Codes	Description
J9216	Injection, interferon, gamma 1-b, 3 million units

Reviews, Revisions, and Approvals	Date	LDH Approval Date
Converted corporate to local policy.	04.22	<u>07.23.22</u>
<u>Template changes applied to other diagnoses/indications and continued therapy section.</u>	<u>06.27.23</u>	
<u>References reviewed and updated.</u>		
<u>Added blurb this policy is for medical benefit only.</u>		

### **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.

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This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

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