

**Clinical Policy: Baloxavir Marboxil (Xofluza)**

Reference Number: CP.PMN.185

Effective Date: 12.01.18

Last Review Date: 11.23

Line of Business: Commercial, HIM, Medicaid

[Revision Log](#)

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

**Description**

Baloxavir marboxil (Xofluza®) is an antiviral polymerase acidic (PA) endonuclease inhibitor.

**FDA Approved Indication(s)**

Xofluza is indicated for:

- Treatment of acute uncomplicated influenza in patients who have been symptomatic for no more than 48 hours and who are:
  - otherwise healthy adults and pediatric patients 5 years of age and older, or
  - adults and pediatric patients 12 years of age and older who are at high risk of developing influenza-related complications.
- Post-exposure prophylaxis of influenza in patients 5 years of age and older following contact with an individual who has influenza.

Limitation(s) of use: Influenza viruses change over time, and factors such as the virus type or subtype, emergence of resistance, or changes in viral virulence could diminish the clinical benefit of antiviral drugs. Consider available information on drug susceptibility patterns for circulating influenza virus strains when deciding whether to use Xofluza.

**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.*

It is the policy of health plans affiliated with Centene Corporation® that Xofluza is **medically necessary** when the following criteria are met:

**I. Initial Approval Criteria****A. Influenza Treatment and Post-Exposure Prophylaxis (must meet all):**

1. Request is for influenza treatment or post-exposure prophylaxis;
2. Age is one of the following (a or b):
  - a. For members at high risk of developing influenza-related complications (*see Appendix D*) who are requesting influenza treatment:  $\geq 12$  years;
  - b. For all other members:  $\geq 5$  years;
3. Member must use oseltamivir, unless one of the following applies (a, b, c, d, or e):
  - a. Laboratory confirmation of influenza B infection (e.g., member, close contact);
  - b. High prevalence of influenza B circulation in the community;
  - c. Oseltamivir community resistance in the current influenza season;
  - d. Prior oseltamivir administration in the current influenza season;

- e. Oseltamivir contraindications or history of clinically significant adverse effects;
- 4. For oral suspension requests, member is unable to swallow tablets, has difficulty swallowing tablets, or requires enteral administration;
- 5. Dose does not exceed one of the following (a, b, or c):
  - a. Weight < 20 kg (i and ii):
    - i. 2 mg/kg once;
    - ii. 1 bottle once;
  - b. Weight 20 kg to < 80 kg (i and ii):
    - i. 40 mg once;
    - ii. 1 tablet or 1 bottle once;
  - c. Weight ≥ 80 kg (i and ii):
    - i. 80 mg once;
    - ii. 1 tablet or 2 bottles once.

**Approval duration: 4 weeks (one dose only)**

**B. 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 one of the following policies (a or b):
  - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.CPA.190 for commercial, HIM.PA.33 for health insurance marketplace, and CP.PMN.255 for Medicaid; or
  - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.CPA.190 for commercial, HIM.PA.103 for health insurance marketplace, and CP.PMN.16 for Medicaid; or
- 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: CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid.

**II. Continued Therapy**

**A. Influenza Treatment and Post-Exposure Prophylaxis**

- 1. Re-authorization is not permitted. Members must meet the initial approval criteria.

**Approval duration: Not applicable**

**B. 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 one of the following policies (a or b):
  - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.CPA.190 for commercial, HIM.PA.33 for health insurance marketplace, and CP.PMN.255 for Medicaid; or

- b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.CPA.190 for commercial, HIM.PA.103 for health insurance marketplace, and CP.PMN.16 for Medicaid; or
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: CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.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 policies – CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid or evidence of coverage documents.

### **IV. Appendices/General Information**

#### *Appendix A: Abbreviation/Acronym Key*

CDC: Centers for Disease Control and Prevention

FDA: Food and Drug Administration

IDSA: Infectious Diseases Society of America

PA: polymerase acidic

#### *Appendix B: Therapeutic Alternatives*

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

<b>Drug Name</b>	<b>Dosing Regimen</b>	<b>Dose Limit/ Maximum Dose</b>
oseltamivir (Tamiflu <sup>®</sup> )	<p>Influenza Treatment</p> <ul style="list-style-type: none"> <li>• Pediatrics*               <ul style="list-style-type: none"> <li>○ Age 2 weeks to less than 1 year: 3 mg/kg PO BID for 5 days</li> <li>○ Age 1 to 12 years: weight-based dosing ranging from 30 mg to 75 mg PO BID for 5 days</li> </ul> </li> <li>• Adults and adolescents*               <ul style="list-style-type: none"> <li>○ Age ≥ 13 years: 75 mg PO BID for 5 days</li> </ul> </li> </ul> <p>Influenza Prophylaxis</p> <ul style="list-style-type: none"> <li>• Pediatrics*               <ul style="list-style-type: none"> <li>○ Age 2 weeks to less than 1 year: 3 mg/kg PO BID for 5 days</li> <li>○ Age 1 to 12 years: Weight-based dosing ranging from 30 mg to 75 mg PO QD for 10 days</li> </ul> </li> <li>• Adults and adolescents*               <ul style="list-style-type: none"> <li>○ Age ≥ 13 years: 75 mg PO QD for 10 days</li> </ul> </li> <li>• Community outbreak*</li> </ul>	150 mg/day

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
	<ul style="list-style-type: none"> <li>○ Age 1 to 12 years: Weight-based dosing ranging from 30 mg to 75 mg PO QD for up to 6 weeks</li> <li>○ Age ≥ 13 years: 75 mg PO QD for up to 6 weeks</li> </ul> <p><i>*See also CDC/IDSA influenza resources for guidance.</i></p>	

Therapeutic alternatives are listed as Brand name<sup>®</sup> (generic) when the drug is available by brand name only and generic (Brand name<sup>®</sup>) when the drug is available by both brand and generic.

*Appendix C: Contraindications/Boxed Warnings*

- Contraindication(s): history of hypersensitivity to baloxavir marboxil or any of its ingredients
- Boxed warning(s): none reported

*Appendix D: High Risk Factors for Developing Influenza-Related Complications*

Per the Centers for Disease Control and Prevention, the following are health factors known to increase the risk of developing serious complications from influenza:

- Age ≥ 65 years
- Children younger than 2 years old
- Asthma
- Neurologic and neurodevelopment conditions
- Blood disorders (such as sickle cell disease)
- Chronic lung disease (such as chronic obstructive pulmonary disease [COPD] and cystic fibrosis)
- Endocrine disorders (such as diabetes mellitus)
- Heart disease (such as congenital heart disease, congestive heart failure and coronary artery disease)
- Kidney diseases
- Liver disorders
- Metabolic disorders (such as inherited metabolic disorders and mitochondrial disorders)
- People who are obese with a body mass index (BMI) of 40 or higher
- People younger than 19 years old on long-term aspirin- or salicylate-containing medications.
- People with a weakened immune system due to disease (such as people with HIV or AIDS, or some cancers such as leukemia) or medications (such as those receiving chemotherapy or radiation treatment for cancer, or persons with chronic conditions requiring chronic corticosteroids or other drugs that suppress the immune system)
- People who have had a stroke
- Pregnant people and people up to 2 weeks after the end of pregnancy
- People who live in nursing homes and other long-term care facilities
- People from certain racial and ethnic minority groups are at increased risk for hospitalization with flu, including non-Hispanic Black persons, Hispanic or Latino persons, and American Indian or Alaska Native persons

## V. Dosage and Administration

Indication	Dosing Regimen	Maximum Dose
Influenza treatment or post-exposure prophylaxis	<u>Adults and pediatric patients <math>\geq 5</math> years:</u> <ul style="list-style-type: none"> <li>Weight &lt; 20 kg (oral suspension only): 2 mg/kg PO once</li> <li>Weight 20 kg to &lt; 80 kg (oral suspension or tablets): 40 mg PO once</li> <li>Weight <math>\geq 80</math> kg (oral suspension or tablets): 80 mg PO once</li> </ul>	80 mg once

## VI. Product Availability

- Tablets: 40 mg, 80 mg
- Oral suspension: 40 mg/20 mL (2 mg/mL; 20 mL bottle)

## VII. References

- Xofluza Prescribing Information. South San Francisco, CA: Genentech, Inc.; June 2023. Available at: [https://www.gene.com/download/pdf/xofluza\\_prescribing.pdf](https://www.gene.com/download/pdf/xofluza_prescribing.pdf). Accessed July 31, 2023.
- Tamiflu Prescribing Information. August 2019. South San Francisco, CA: Genentech, Inc.; August 2019. Available at: [https://www.gene.com/download/pdf/tamiflu\\_prescribing.pdf](https://www.gene.com/download/pdf/tamiflu_prescribing.pdf). Accessed July 31, 2023.
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- Centers for Disease Control and Prevention. People at high risk for flu complications. Available at: <https://www.cdc.gov/flu/highrisk/index.htm>. Page last reviewed September 6, 2022. Accessed July 31, 2023.
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- Uyeki TM, Bernstein HH, Bradley JS, et al. Clinical Practice Guidelines by the Infectious Diseases Society of America: 2018 Update on Diagnosis, Treatment, Chemoprophylaxis, and Institutional Outbreak Management of Seasonal Influenza. Clin Infect Dis. 2019;68(6):e1.
- Metlay JP, Waterer GW, Long AC, et al. Diagnosis and treatment of adults with community-acquired pneumonia: an official clinical practice guideline of the American Thoracic Society and Infectious Diseases Society of America. Am J Respir Crit Care Med Vol 200, Iss 7, pp e45–e67, Oct 1, 2019. DOI: 10.1164/rccm.201908-1581ST.
- Ison MG, Portsmouth S, Yoshida Y, et al. Early treatment with baloxavir marboxil in high-risk adolescent and adult outpatients with uncomplicated influenza (CAPSTONE-2): a randomised, placebo-controlled, phase 3 trial. Lancet Infect Dis. June 8, 2020;20:1204-14.
- Ikematsu H, Hayden FG, Kawaguchi K, et al. Baloxavir marboxil for prophylaxis against influenza in household contacts. NEJM. July 23, 2020;383(4):309-320.

Reviews, Revisions, and Approvals	Date	P&T Approval Date
4Q 2019 annual review: no significant changes; references reviewed and updated.	08.08.19	11.19
Revised dose optimization of tablets in criteria.	02.14.20	
4Q 2020 annual review: no significant changes; updated FDA Approved Indication section with revised indication to specify use in healthy or high risk patients; references reviewed and updated.	07.01.20	11.20
RT4: new indication (influenza post-exposure prophylaxis) and oral suspension formulation added with redirection to oral tablets unless unable to swallow; added HIM line of business; added minimum weight requirement per PI; added examples of acceptable medical justification for inability to use oseltamivir added in Appendix D; references reviewed and updated.	01.15.20	02.21
4Q 2021 annual review: no significant changes; revised “medical justification” to “must use” language and moved information in Appendix D to the criteria set; HIM.PHAR.21 revised to HIM.PA.154; RT4: added 80 mg tablets and removed 20 mg tablets per updated PI; references reviewed and updated.	06.28.21	11.21
4Q 2022 annual review: no significant changes; RT4: updated to reflect pediatric expansion from age at least 12 years to age at least 5 years, removed requirement for weight $\geq 40$ kgs, and added Appendix D with high risk factors; references reviewed and updated. Template changes applied to other diagnoses/indications.	08.15.22	11.22
4Q 2023 annual review: for Appendix B, added Tamiflu pediatric dosing for ages 2 weeks to less than 1 year to align with prescriber information; updated Appendix D to align with current CDC High Risk Factors; references reviewed and updated.	07.31.23	11.23

### **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. The Health Plan 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. “Health Plan” means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan’s affiliates, as applicable.

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 Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

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.

Providers referred to in this clinical policy are independent contractors who exercise independent judgment and over whom the Health Plan has no control or right of control. Providers are not agents or employees of the Health Plan.

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**Note:**

**For Medicaid members**, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.

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