Clinical Policy: Alendronate (Binosto, Fosamax Plus D)
Reference Number: CP.PMN.88
Effective Date: 03.01.18
Last Review Date: 02.21
Line of Business: Commercial, HIM*, Medicaid

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

Description
Alendronate sodium effervescent tablets (Binosto®), and alendronate/cholecalciferol (Fosamax Plus D®) are oral bisphosphonates.

*For Health Insurance Marketplace (HIM), Binosto is non-formulary and should not be approved using these criteria; refer to the formulary exception policy, HIM.PA.103.

FDA Approved Indication(s)
Binosto and Fosamax Plus D are indicated for:
- Postmenopausal osteoporosis (PMO): Treatment of osteoporosis in postmenopausal women.
- Male osteoporosis: Treatment to increase bone mass in men with osteoporosis.

Limitation(s) of use:
- Binosto and Fosamax Plus D: Optimal duration of use has not been determined. For patients at low-risk for fracture, consider drug discontinuation after 3 to 5 years of use.
- Fosamax Plus D alone should not be used to treat vitamin D deficiency.

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 Binosto and Fosamax Plus D are medically necessary when the following criteria are met:

I. Initial Approval Criteria
   A. Osteoporosis (must meet all):
      1. Diagnosis of PMO or male osteoporosis;
      2. Age ≥ 18 years or documentation of closed epiphyses on x-ray;
      3. Failure of a 12-month trial of alendronate at up to maximally indicated doses, unless contraindicated or clinically significant adverse effects are experienced;
      4. Dose does not exceed 1 tablet per week (Binosto: 70 mg per week; Fosamax Plus D: 70 mg/5600 IU per week).

Approval duration:
Medicaid/HIM – 12 months
Commercial – Length of Benefit
B. Other diagnoses/indications
1. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid.

II. Continued Therapy
A. Osteoporosis (must meet all):
   1. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
   2. Member is responding positively to therapy;
   3. If request is for a dose increase, new dose does not exceed 1 tablet per week (Binosto: 70 mg per week; Fosamax Plus D: 70 mg/5600 IU per week).

Approval duration:
Medicaid/HIM – 12 months
Commercial – Length of Benefit

B. Other diagnoses/indications (must meet 1 or 2):
   1. Currently receiving medication via Centene benefit and documentation supports positive response to therapy.
   2. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): 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
BMD: bone mineral density
FDA: Food and Drug Administration
GIO: glucocorticoid-induced osteoporosis
PMO: postmenopausal osteoporosis

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 and may require prior authorization.
Appendix C: Contraindications/Boxed Warnings

- Contraindication(s): abnormalities of the esophagus which delay esophageal emptying such as stricture or achalasia; inability to stand/sit upright for at least 30 minutes; hypocalcemia; hypersensitivity; increased risk of aspiration (Binosto only)
- Boxed warning(s): none reported

V. Dosage and Administration

<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Indication</th>
<th>Dosing Regimen</th>
<th>Maximum Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alendronate effervescent (Binosto)</td>
<td>Treatment: PMO, male osteoporosis</td>
<td>70 mg PO once weekly</td>
<td>70 mg/week</td>
</tr>
<tr>
<td>Alendronate/cholecalciferol (Fosamax Plus D)</td>
<td>Prevention: PMO, male osteoporosis</td>
<td>70 mg alendronate /2800 IU vitamin D3 or 70 mg alendronate /5600 IU vitamin D3 PO once weekly</td>
<td>70 mg / 5600 IU/ week</td>
</tr>
</tbody>
</table>

VI. Product Availability

<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alendronate effervescent (Binosto)</td>
<td>Effervescent tablet: 70 mg</td>
</tr>
<tr>
<td>Alendronate/cholecalciferol (Fosamax Plus D)</td>
<td>Tablet: 70 mg/2800 IU, 70 mg/5600 IU</td>
</tr>
</tbody>
</table>

VII. References


**Male Osteoporosis**


---

### Reviews, Revisions, and Approvals

<table>
<thead>
<tr>
<th>Description</th>
<th>Date</th>
<th>P&amp;T Approval Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>New policy created</td>
<td>12.01.17</td>
<td>02.18</td>
</tr>
<tr>
<td>Split from HIM.PA.51 and CP.CPA.212 – oral bisphosphonates. Combined policy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for marketplace and commercial lines of business No significant changes from</td>
<td></td>
<td></td>
</tr>
<tr>
<td>previous corporate approved policy. References reviewed and updated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1Q 2019 annual review: no significant changes; modified failure language to</td>
<td>11.05.18</td>
<td>02.19</td>
</tr>
<tr>
<td>require medical justification as the request would be for a product with the</td>
<td></td>
<td></td>
</tr>
<tr>
<td>same active ingredient; references reviewed and updated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1Q 2020 annual review: added Medicaid line of business; age or closed</td>
<td>11.19.19</td>
<td>02.20</td>
</tr>
<tr>
<td>epiphyses added; references reviewed and updated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1Q 2021 annual review: no significant changes; references to HIM.PHAR.21</td>
<td>10.26.20</td>
<td>02.21</td>
</tr>
<tr>
<td>revised to HIM.PA.154; references reviewed and updated.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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.

This clinical policy is the property of the Health Plan. Unauthorized copying, use, and distribution of this clinical policy or any information contained herein are strictly prohibited. Providers, members and their representatives are bound to the terms and conditions expressed herein through the terms of their contracts. Where no such contract exists, providers, members and their representatives agree to be bound by such terms and conditions by providing services to members and/or submitting claims for payment for such services.

©2018 Centene Corporation. All rights reserved. All materials are exclusively owned by Centene Corporation and are protected by United States copyright law and international copyright law. No part of this publication may be reproduced, copied, modified, distributed, displayed, stored in a retrieval system, transmitted in any form or by any means, or otherwise published without the prior written permission of Centene Corporation. You may not alter or remove any trademark, copyright or other notice contained herein. Centene® and Centene Corporation® are registered trademarks exclusively owned by Centene Corporation.