Effective Date **2/15/2024**
Next Review Date… **2/15/2025**
Coverage Policy Number **IP0564**

Antihemophilic Factor (Recombinant)

Table of Contents

Related Coverage Resources

INSTRUCTIONS FOR USE
The following Coverage Policy applies to health benefit plans administered by Cigna Companies. Certain Cigna Companies and/or lines of business only provide utilization review services to clients and do not make coverage determinations. References to standard benefit plan language and coverage determinations do not apply to those clients. Coverage Policies are intended to provide guidance in interpreting certain standard benefit plans administered by Cigna Companies. Please note, the terms of a customer's particular benefit plan document [Group Service Agreement, Evidence of Coverage, Certificate of Coverage, Summary Plan Description (SPD) or similar plan document] may differ significantly from the standard benefit plans upon which these Coverage Policies are based. For example, a customer's benefit plan document may contain a specific exclusion related to a topic addressed in a Coverage Policy. In the event of a conflict, a customer's benefit plan document always supersedes the information in the Coverage Policies. In the absence of a controlling federal or state coverage mandate, benefits are ultimately determined by the terms of the applicable benefit plan document. Coverage determinations in each specific instance require consideration of 1) the terms of the applicable benefit plan document in effect on the date of service; 2) any applicable laws/regulations; 3) any relevant collateral source materials including Coverage Policies and; 4) the specific facts of the particular situation. Coverage Policies relate exclusively to the administration of health benefit plans. Coverage Policies are not recommendations for treatment and should never be used as treatment guidelines. In certain markets, delegated vendor guidelines may be used to support medical necessity and other coverage determinations.

Overview

This policy supports medical necessity review for antihemophilic factor (recombinant) Fc-VWF-XTEN fusion protein-ehtl intravenous injection (**Altuviiio™**).

Receipt of sample product does not satisfy any criteria requirements for coverage.

Medical Necessity Criteria

Antihemophilic factor (recombinant) intravenous infusion (Altuviiio) is considered medically necessary when the following are met:

Hemophilia A. Individual meets **ALL** of the following criteria:
A. At least **ONE** of the following conditions is met:
i. Peri-operative management of bleeding
ii. Routine prophylaxis to reduce the frequency of bleeding episodes

iii. Treatment of bleeding episodes

B. Medication is prescribed by, or in consultation with, a hematologist or hemophilia specialist

Dosing.

1. Perioperative management: Up to 50 IU/kg intravenously with additional doses once every 2 to 3 days for up to 10 days per procedure
2. Routine prophylaxis: Up to 50 IU/kg intravenously no more frequently than once weekly
3. Treatment of bleeding episodes: Up to 50 IU/kg intravenously with additional doses once every 2 to 3 days for up to 10 days per episode

---

When coverage is available and medically necessary, the dosage, frequency, duration of therapy, and site of care should be reasonable, clinically appropriate, and supported by evidence-based literature and adjusted based upon severity, alternative available treatments, and previous response to therapy.

Reauthorization Criteria

Continuation of antihemophilic factor (recombinant) intravenous infusion (Altuviiio) is considered medically necessary for Hemophilia A when the above medical necessity criteria are met AND there is documentation of beneficial response.

Authorization Duration

Initial approval duration: up to 12 months
Reauthorization approval duration: up to 12 months

Conditions Not Covered

Any other use is considered experimental, investigational, or unproven.

Coding Information

1) This list of codes may not be all-inclusive.
2) Deleted codes and codes which are not effective at the time the service is rendered may not be eligible for reimbursement.

Considered Medically Necessary when criteria in the applicable policy statements listed above are met:

HCPCS Codes	Description
J7205	Injection, Factor VIII Fc fusion protein (recombinant), per IU

Background

OVERVIEW
Altuviiio, a recombinant DNA-derived Factor VIII concentrate, is indicated for use in hemophilia A in adults and children for:[1]

- **Routine prophylaxis** to reduce the frequency of bleeding episodes.
- **On-demand treatment and control** of bleeding episodes.
- **Perioperative management** of bleeding.

It is notable that Altuviiio has demonstrated a 3- to 4-fold prolonged half-life relative to other standard and extended half-life products.[1]

Disease Overview
Hemophilia A is an X-linked bleeding disorder primarily impacting males caused by a deficiency in Factor VIII.[2-5] In the US, the incidence of hemophilia A in males is 1:5,000 with an estimated 20,000 people in the US living with hemophilia A. The condition is characterized by bleeding in joints, either spontaneously or in a provoked joint by trauma. Bleeding can occur in many different body areas as well (e.g., muscles, central nervous system). The bleeding manifestations can lead to substantial morbidity such as hemophilic arthropathy. Disease severity is usually defined by the plasma levels or activity of Factor VIII classified as follows: severe (levels < 1% of normal), moderate (levels 1% to 5% of normal), and mild (levels > 5% to < 40% of normal); phenotypic expression may vary. Approximately 50% of patients with hemophilia A are categorized as having severe disease.

Guidelines
Guidelines have not addressed Altuviiio. Guidelines for hemophilia from the National Hemophilia Foundation (March 2022)[6] and the World Federation of Hemophilia (2020)[7] recognize the important role of Factor VIII products and Hemlibra® (emicizumab-kxwh subcutaneous injection) in the management of hemophilia A in patients.

Dosing Considerations
Dosing of clotting factor concentrates is highly individualized. The National Hemophilia Foundation's Medical and Scientific Advisory Council (MASAC) provides recommendations regarding doses of clotting factor concentrate in the home (2016).[8] The number of required doses varies greatly and is dependent on the severity of the disorder and the prescribed regimen. Per MASAC guidance, patients on prophylaxis should also have a minimum of one major dose and two minor doses on hand for breakthrough bleeding in addition to the prophylactic doses used monthly. The guidance also notes that an adequate supply of clotting factor concentrate is needed to accommodate weekends and holidays. Therefore, maximum doses in this policy allow for prophylactic dosing plus three days of acute bleeding or perioperative management per 28 days. Doses exceeding this quantity will be reviewed on a case-by-case basis by a clinician.

References

1. Altuviiio™ intravenous injection [prescribing information]. Waltham, MA: Bioverativ/Sanofi; February 2023.
2. Mancuso ME, Mahlangu JN, Pipe SW. The changing treatment landscape in haemophilia: from standard half-life clotting factor concentrates to gene editing. *Lancet*. 2021;397:630-640.
3. Croteau SE. Hemophilia A/B. *Hematol Oncol Clin North Am*. 2022;36(4):797-812.
4. Franchini M, Mannucci PM. The more recent history of hemophilia treatment. *Semin Thromb Hemost*. 2022;48(8):904-910.
5. Peyvandi F, Garagiola I, Young G. The past and future of haemophilia: diagnosis, treatments and its complications. *Lancet*. 2016;388(10040):187-197.
6. MASAC (Medical and Scientific Advisory Council) recommendations concerning products licensed for the treatment of hemophilia and other bleeding disorders (Revised March 2022). MASAC Document #272. Adopted on April 27, 2022. Available at: https://www.hemophilia.org/sites/default/files/document/files/272_Treatment.pdf. Accessed on March 20, 2023.
7. Srivastava A, Santagostino E, Dougall A, et al, on behalf of the WFH guidelines for the management of hemophilia panelists and coauthors. WFH guidelines for the management of hemophilia, 3rd edition. *Haemophilia*. 2020;26(Suppl 6):1-158.
8. National Hemophilia Foundation. MASAC (Medical and Scientific Advisory Council) recommendations regarding doses of clotting factor concentrate in the home (Revised June 7, 2016). MASAC Document #242. Adopted on September 3, 2020. Available at: https://www.hemophilia.org/sites/default/files/document/files/242.pdf. Accessed on March 20, 2023.