

	
AETNA BETTER HEALTH® Coverage Policy/Guideline	
Name: Cinryze	Page: 1 of 4
Effective Date: 3/21/2025	Last Review Date: 2/2025
Applies to: <div> <input checked="" type="checkbox"/> Illinois <input type="checkbox"/> Florida <input checked="" type="checkbox"/> Maryland </div> <div> <input type="checkbox"/> New Jersey <input checked="" type="checkbox"/> Florida Kids <input type="checkbox"/> Michigan </div> <div> <input checked="" type="checkbox"/> Pennsylvania Kids <input type="checkbox"/> Virginia <input checked="" type="checkbox"/> Kentucky PRMD </div>	

**Intent:**

The intent of this policy/guideline is to provide information to the prescribing practitioner outlining the coverage criteria for Cinryze under the patient’s prescription drug benefit.

**Description:**

**Indications**

The indications below including FDA-approved indications and compendial uses are considered a covered benefit provided that all the approval criteria are met and the member has no exclusions to the prescribed therapy.

FDA-approved Indications<sup>1</sup>

Cinryze is indicated for routine prophylaxis against angioedema attacks in adults, adolescents and pediatric patients (6 years of age and older) with hereditary angioedema (HAE).

All other indications are considered experimental/investigational and not medically necessary.

**Applicable Drug List:**

Cinryze

**Policy/Guideline:**

**Documentation**

Submission of the following information is necessary to initiate the prior authorization review:

- For initial authorization, the following should be documented:
  - C1 inhibitor functional and antigenic protein levels
  - F12, angiopoietin-1, plasminogen, kininogen-1 (KNG1), heparan sulfate-glucosamine 3-O- sulfotransferase 6 (HS3ST6), or myoferlin (MYOF) gene mutation testing, if applicable
  - Chart notes confirming family history of angioedema and the angioedema was refractory to a trial of high-dose antihistamine therapy, if applicable
- For continuation of therapy, chart notes demonstrating a reduction in frequency of attacks.

**Prescriber Specialties**

This medication must be prescribed by or in consultation with a prescriber who specializes in the management of HAE.



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## Coverage Criteria

### Hereditary angioedema (HAE)<sup>1-17</sup>

Authorization of 12 months may be granted for prevention of hereditary angioedema attacks when the requested medication will not be used in combination with any other medication used for the prophylaxis of HAE attacks and both of the following criteria are met at the time of diagnosis:

- Member meets either of the following criteria:
  - Member has C1 inhibitor deficiency or dysfunction as confirmed by laboratory testing and meets one of the following criteria:
    - C1 inhibitor (C1-INH) antigenic level below the lower limit of normal as defined by the laboratory performing the test, or
    - Normal C1-INH antigenic level and a low C1-INH functional level (functional C1-INH less than 50% or C1-INH functional level below the lower limit of normal as defined by the laboratory performing the test).
  - Member has normal C1 inhibitor as confirmed by laboratory testing and meets one of the following criteria:
    - Member has an F12, angiopoietin-1, plasminogen, kininogen-1 (KNG1), heparan sulfate-glucosamine 3-O-sulfotransferase 6 (HS3ST6), or myoferlin (MYOF) gene mutation as confirmed by genetic testing, or
    - Member has a documented family history of angioedema and the angioedema was refractory to a trial of high-dose antihistamine therapy (i.e., cetirizine at 40 mg per day or the equivalent) for at least one month.
- Other causes of angioedema have been ruled out (e.g., angiotensin-converting enzyme inhibitor [ACE-I] induced angioedema, angioedema related to an estrogen-containing drug, allergic angioedema).

## Continuation of Therapy

Authorization of 12 months may be granted for continuation of therapy when all of the following criteria are met:

- Member meets all requirements in the coverage criteria section.
- Member has experienced a significant reduction in frequency of attacks (e.g., ≥ 50%) since starting treatment.



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- Member has reduced the use of medications to treat acute attacks since starting treatment.

### Approval Duration and Quantity Restrictions:

**Approval:** 12 months

### Quantity Level Limit:

- Cinryze 500 IU single-dose vial for reconstitution: 20 vials per 30 days

### References:

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15. Sharma J, Jindal AK, Banday AZ, et al. Pathophysiology of Hereditary Angioedema (HAE) Beyond the SERPING1 Gene [published online ahead of print, 2021 Jan 14] [published correction appears in Clin Rev Allergy Immunol. 2021 Feb 17]. *Clin Rev Allergy Immunol*. 2021;10.1007/s12016-021-08835-8. Doi:10.1007/s12016-021-08835-8.
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