

Market Applicability							
Market	DC	GA	KY	MD	NJ	NY	WA
Applicable	X	X	X	X	X	X	NA

Cinryze (C1 esterase inhibitor [Human])

Override(s)	Approval Duration
Prior Authorization Quantity Limit	1 year

Medications	Quantity Limit
Cinryze (C1 esterase inhibitor [human]) intravenous solution	May be subject to quantity limit

APPROVAL CRITERIA

Requests for Cinryze (C1 Esterase Inhibitor [Human]) may be approved if the following criteria are met:

- I. Individual has a diagnosis of hereditary angioedema; **AND**
- II. Individual is using for prophylaxis against acute attacks of hereditary angioedema for either of the following:
 - A. Short term prophylaxis prior to surgery, dental procedures or intubation; **OR**
 - B. Long-term prophylaxis and the individual has failed, is intolerant to, or has a contraindication (such as pregnant, or breastfeeding) to 17 alpha-alkylated androgens (for example, danazol) or antifibrinolytic agents (for example, aminocaproic acid); **AND**
- III. Individual is 6 years of age or older; **AND**
- IV. Diagnosis is confirmed by a C4 level below the lower limit of normal as defined by the laboratory performing the test **AND** any of the following:
 - A. C1 inhibitor (C1-INH) antigenic level below the lower limit of normal as defined by the laboratory performing the test with documentation provided; **OR**
 - B. C1-INH functional level below the lower limit of normal as defined by the laboratory performing the test with documentation provided; **OR**
 - C. Presence of a known HAE-causing C1-INH mutation; **AND**
- V. Individual has a history of moderate or severe attacks such as airway swelling, severe abdominal pain, facial swelling, nausea and vomiting, or painful facial distortion);

AND

- VI. Individual has had a trial (medication samples/coupons/discount cards are excluded from consideration as a trial) or intolerance to one preferred agent;

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This policy does not apply to health plans or member categories that do not have pharmacy benefits, nor does it apply to Medicare. Note that market specific restrictions or transition-of-care benefit limitations may apply.

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Market Applicability							
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Applicable	X	X	X	X	X	X	NA

Preferred agents: Haegarda (C1 esterase inhibitor [human]), Takhzyro (lanadelumab-flyo)

OR

VII. Individual has a history of anaphylaxis with active or inactive ingredients in Haegarda (C1 esterase inhibitor [human]) or Takhzyro (lanadelumab-flyo) which are not also associated with Cinryze (C1 esterase inhibitor [human]);

OR

VIII. Individual is greater than or equal to 6 years of age and less than 12 years of age.

Requests for Cinryze may not be approved for all other indications not included above.

State Specific Mandates		
State name	Date effective	Mandate details (including specific bill if applicable)
N/A	N/A	N/A

Key References:

1. Clinical Pharmacology [database online]. Tampa, FL: Gold Standard, Inc.: 2019. URL: <http://www.clinicalpharmacology.com>. Updated periodically.
2. DailyMed. Package inserts. U.S. National Library of Medicine, National Institutes of Health website. <http://dailymed.nlm.nih.gov/dailymed/about.cfm>. Accessed: July 8, 2019.
3. DrugPoints® System [electronic version]. Truven Health Analytics, Greenwood Village, CO. Updated periodically.
4. Efficacy and Safety Study of DX-2930 to Prevent Acute Angioedema Attacks in Patients with Type I and Type II HAE. NCT02586805 (HELP Study). Available at <https://www.clinicaltrials.gov/ct2/show/study/NCT02586805>. Accessed on July 8, 2019
5. Lexi-Comp ONLINE™ with AHFS™, Hudson, Ohio: Lexi-Comp, Inc.; 2019; Updated periodically.
6. Riedl MA, Bernstein JA, Craig T, et al. An open-label study to evaluate the long-term safety and efficacy of lanadelumab for prevention of attacks in hereditary angioedema: design of the HELP study extension. *Clin Transl Allergy*. 2017;7:36.
7. Riedl MA. Creating a Comprehensive Treatment Plan for Hereditary Angioedema. *Immunol Allergy Clin N Am*. 2013; 33 (4): 471-485. doi:10.1016/j.iac.2013.07.003.
8. Zuraw BL, Banerji A, Bernstein JA, et al. US Hereditary Angioedema Association Medical Advisory Board 2013 Recommendations for the Management of Hereditary Angioedema Due to C1 Inhibitor Deficiency. *J Allergy Clin Immunol: In Practice*. 2013; 1:458-67. doi:10.1016/j.jaip.2013.07.002.
9. Zuraw BL, Bernstein JA, Lang DM, et al. A focused parameter update: Hereditary angioedema, acquired C1 inhibitor deficiency, and angiotensin-converting enzyme inhibitor-associated angioedema. *J Allergy Clin Immunol*. 2013; 131(6):1491-1493.e1-e25. Available from: [http://www.jacionline.org/article/S0091-6749\(13\)00523-X/pdf](http://www.jacionline.org/article/S0091-6749(13)00523-X/pdf). Accessed on: July 8, 2019.

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