

# PHARMACY POLICY STATEMENT Common Ground Healthcare Cooperative (CGHC)

DRUG NAME	Lumizyme (alglucosidase alfa)
BENEFIT TYPE	Medical
STATUS	Prior Authorization Required

Lumizyme is an enzyme replacement therapy for the treatment of Pompe disease, also known as acid alphaglucosidase (GAA) deficiency or glycogen storage disease type II. Pompe disease is a rare, genetic lysosomal storage disorder that results in the buildup of glycogen in cell lysosomes causing serious and life-threatening muscle damage and weakness. Lumizyme replaces the deficient GAA enzyme to reduce the glycogen accumulation.

Pompe disease can be broadly classified as infantile-onset within the first few months of life (IOPD) or lateonset beyond infancy (LOPD). Classic IOPD is rapidly progressive with severe cardiomyopathy. Non-classic IOPD progresses slower with less severe cardiomyopathy. LOPD does not typically present with cardiomyopathy and has more variable symptoms, especially skeletal muscle weakness.

Lumizyme (alglucosidase alfa) will be considered for coverage when the following criteria are met:

## Pompe disease (acid α-glucosidase [GAA] deficiency)

### For *initial* authorization:

- 1. Medication must be prescribed by or in consultation with a geneticist, cardiologist, neurologist, pulmonologist, or metabolic specialist; AND
- 2. Member has a diagnosis of Pompe disease confirmed by an enzyme activity assay showing GAA deficiency (0% to 40% of normal); AND
- 3. Molecular genetic testing shows pathogenic mutation of the GAA gene; AND
- 4. Members with late onset Pompe disease must show signs or symptoms (i.e., motor weakness, reduced respiratory parameters).
- 5. Dosage allowed/Quantity limit: 20 mg/kg IV infusion every 2 weeks

### If all the above requirements are met, the medication will be approved for 12 months.

#### For reauthorization:

1. Chart notes must document positive clinical response such as improved or stabilized motor function or ambulation, pulmonary function, or cardiomyopathy.

### If all the above requirements are met, the medication will be approved for an additional 12 months.

Common Ground Healthcare Cooperative (CGHC) considers Lumizyme (alglucosidase alfa) not medically necessary for the treatment of conditions that are not listed in this document. For any other indication, please refer to the Off-Label policy.



HEALTHCARE COOPERATIVE

DATE	ACTION/DESCRIPTION
07/07/2021	New policy for Lumizyme created.
11/09/2022	Annual review; no changes.
11/22/2023	Annual review; no changes.

#### References:

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- 4. Wang RY, Bodamer OA, Watson MS, Wilcox WR; ACMG Work Group on Diagnostic Confirmation of Lysosomal Storage Diseases. Lysosomal storage diseases: diagnostic confirmation and management of presymptomatic individuals. *Genet Med*. 2011;13(5):457-484. doi:10.1097/GIM.0b013e318211a7e1
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- 9. Kronn DF, Day-Salvatore D, Hwu WL, et al. Management of Confirmed Newborn-Screened Patients With Pompe Disease Across the Disease Spectrum. *Pediatrics*. 2017;140(Suppl 1):S24-S45. doi:10.1542/peds.2016-0280E
- 10. Marques JS. The Clinical Management of Pompe Disease: A Pediatric Perspective. *Children (Basel)*. 2022;9(9):1404. Published 2022 Sep 16. doi:10.3390/children9091404

Effective date: 12/01/2024 Revised date: 11/22/2023

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