

# PHARMACY POLICY STATEMENT

## Marketplace

<b>DRUG NAME</b>	<b>Nucala (mepolizumab)</b>
BENEFIT TYPE	Medical or Pharmacy
STATUS	Prior Authorization Required

Nucala is an interleukin-5 (IL-5) antagonist monoclonal antibody (IgG1 kappa) first approved for the treatment of severe eosinophilic asthma in 2015. Since that time, it has been approved for three additional indications - eosinophilic granulomatosis with polyangiitis (EGPA), hypereosinophilic syndrome (HES), and chronic rhinosinusitis with nasal polyps (CRSwNP). All four indications are eosinophilic-driven disease states. Nucala works by blocking IL-5 binding to the alpha chain of the IL-5 receptor complex. This inhibits IL-5 signaling and reduces the production of eosinophils.

Nucala (mepolizumab) will be considered for coverage when the following criteria are met:

### Chronic Rhinosinusitis with Nasal Polyps (CRSwNP)

For **initial** authorization:

1. Member is at least 18 years of age; AND
2. Medication must be prescribed by or in consultation with an allergist, immunologist or otorhinolaryngologist (ENT); AND
3. Member has a diagnosis of severe CRSwNP with at least two of the following symptoms for 12 weeks or more:
  - a) Nasal blockage/obstruction/congestion;
  - b) Nasal discharge;
  - c) Facial pain/pressure;
  - d) Reduction in smell;
4. Chart notes must show documentation of bilateral nasal polyps by direct examination, endoscopy, or sinus CT scan; AND
5. Member has symptoms of chronic rhinosinusitis after at least a 4-week trial with an intranasal corticosteroid (e.g., mometasone, fluticasone) in combination with nasal saline irrigation; AND
6. Member has had prior sinonasal surgery; AND
7. Member will use Nucala in combination with an intranasal corticosteroid (INCS), unless not tolerated or contraindicated; AND
8. Member does not have ANY of the following:
  - a) Nasal polyp removal surgery within the past 6 months.
  - b) Combination use with Xolair or Dupixent;
  - c) Allergic Fungal rhinosinusitis (AFRS)
9. **Dosage allowed/Quantity limit:** 100 mg by subcutaneous injection once every 4 weeks.

***If all the above requirements are met, the medication will be approved for 6 months.***

For **reauthorization**:

1. Chart notes have been provided that show the member has demonstrated improvement in signs and symptoms (i.e. reduction in nasal polyp size or nasal obstruction); AND
2. Medication will be used as add-on maintenance therapy in combination with intranasal corticosteroids, unless not tolerated or contraindicated.

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

## Hyper eosinophilic Syndrome (HES)

For **initial** authorization:

1. Member is at least 12 years of age; AND
2. Medication must be prescribed by or in consultation with an immunologist, allergist, or hematologist; AND
3. Member has a diagnosis of HES; AND
4. Member has a documented blood eosinophil count of > 1500 cells/ $\mu$ L; AND
5. Member has trialed and failed Glucocorticoids for at least one month; AND
6. Member has a history of 2 or more HES flares within the past year defined as worsening of clinical signs and symptoms or increasing eosinophils requiring an escalation in therapy; AND
7. Member does not have ANY of the following:
  - a) Identifiable non-hematologic secondary cause (i.e., drug hypersensitivity, parasitic helminth infection, HIV infection, non-hematologic malignancy);
  - b) FIP1L1-PDGFR $\alpha$  kinase positive HES.
8. **Dosage allowed/Quantity limit:** 300 mg as 3 separate 100-mg injections administered subcutaneously once every 4 weeks.

***If all the above requirements are met, the medication will be approved for 6 months.***

For **reauthorization**:

1. Chart notes have been provided that show the member has demonstrated improvement (i.e. reduction of HES flares, reduction in blood eosinophil count).

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

## Eosinophilic Granulomatosis with Polyangiitis (EGPA/Churg-Strauss Syndrome)

For **initial** authorization:

1. Member is at least 18 years of age; AND
2. Medication must be prescribed by or in consultation with a pulmonologist, immunologist, allergist, or rheumatologist; AND
3. Member has a confirmed diagnosis of EGPA with a history or presence of asthma and documented eosinophilia (>1500 cells/ $\mu$ L and/or >10% of leucocytes); AND
4. Member has trialed and failed glucocorticoids with or without an immunosuppressant (cyclophosphamide, azathioprine, methotrexate, rituximab) for at least 4 weeks; AND
5. Member does not have either of the following: a) Diagnosis of GPA or MPA; b) Organ-threatening or imminently life-threatening EGPA.
6. **Dosage allowed/Quantity limit:** 300 mg as 3 separate 100-mg injections administered subcutaneously once every 4 weeks.

***If all the above requirements are met, the medication will be approved for 6 months.***

For **reauthorization**:

1. Chart notes have been provided that show the member has demonstrated improvement (i.e. reduction in relapse rate, oral corticosteroid (OCS) dose, or blood eosinophil count).

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

## Severe Asthma

For **initial** authorization:

1. Member is at least 6 years of age; AND
2. Medication must be prescribed by or in consultation with an allergist, immunologist, or pulmonologist; AND
3. Member has a blood eosinophil count of at least 150 cells/ $\mu$ L; AND
4. Member has at least two documented severe asthma exacerbations requiring oral corticosteroids (OCS), or at least one requiring hospitalization, within the past 12 months; AND
5. Member's asthma has been uncontrolled after at least 3 months of conventional treatment on medium to high doses of inhaled corticosteroids (ICS) and long-acting beta 2-agonists (LABA); AND
6. Medication is being used as add-on maintenance treatment to conventional therapies for asthma (i.e., ICS, LABA, etc.); AND
7. Medication is not used in conjunction with any other biologic therapy for asthma.
8. **Dosage allowed/Quantity limit:** 100 mg by subcutaneous injection once every 4 weeks for patients aged 12 years and older. 40 mg by subcutaneous injection once every 4 weeks for patients aged 6 to 11 years.

***If all the above requirements are met, the medication will be approved for 16 weeks.***

For **reauthorization**:

1. Medication is not being used as monotherapy for asthma; AND
2. Chart notes have been provided showing improvement of signs and symptoms such as decreased frequency of emergency department visits or hospitalizations due to asthma exacerbations, increase in percent predicted FEV1 from pretreatment baseline, improved functional ability (e.g., exercise tolerance), and/or decreased utilization of rescue medications or oral corticosteroids.

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

**CareSource considers Nucala (mepolizumab) 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.**

DATE	ACTION/DESCRIPTION
05/18/2017	New policy for Nucala created. Conventional treatment options expanded.
03/16/2018	New indication of Eosinophilic Granulomatosis With Polyangiitis added.
12/28/2020	New indication of Hypereosinophilic Syndrome added. Severe Asthma: changed from 12 yo or older to 6 yo or older; adjusted eosinophil count; added documented exacerbations; removed ICS + LTRA and ICS + theophylline treatments; removed increase in predicted FEV1 from reauthorization section. EGPA: adjusted eosinophil count; removed the list of additional EGPA features; removed definitions of relapsing and refractory EGPA (BVAS not used in practice); removed exclusion criteria (only

	applicable in clinical trial setting) and replaced with no GPA, MPA, or life threatening EGPA; removed hx of alcohol/substance abuse; changed initial approval period from 12 months to 6 months.
<b>10/29/2021</b>	New indication of CRSwNP added. Changed to new format.
<b>11/02/2022</b>	CRSwNP: Removed requirement for trial of systemic steroids.
<b>11/27/2023</b>	Asthma: Changed eosinophil cutoff to 150, corrected renewal criteria, updated and added references.

#### References:

1. Nucala [package insert]. Philadelphia, PA: GlaxoSmithKline LLC; 2023.
2. Walford HH, Doherty TA. Diagnosis and management of eosinophilic asthma: a US perspective. *J Asthma Allergy*. 2014;7:53–65.
3. Kostikas K, Brindicci C, Patalano F. Blood Eosinophils as Biomarkers to Drive Treatment Choices in Asthma and COPD. *Curr Drug Targets*. 2018;19(16):1882-1896
4. Pavord ID, Korn S, Howarth P, et al. Mepolizumab for severe eosinophilic asthma (DREAM): A multicentre, double-blind, placebo-controlled trial. *Lancet*. 2012;380(9842):651-659.
5. Ortega HG, Yancey SW, Mayer B, et al. Severe eosinophilic asthma treated with mepolizumab stratified by baseline eosinophil thresholds: a secondary analysis of the DREAM and MENSA studies. *Lancet Respir Med*. 2016;4(7):549-556. doi:10.1016/S2213-2600(16)30031-5
6. Farne HA, Wilson A, Milan S, Banchoff E, Yang F, Powell CV. Anti-IL-5 therapies for asthma. *Cochrane Database Syst Rev*. 2022;7(7):CD010834. Published 2022 Jul 12. doi:10.1002/14651858.CD010834.pub4
7. Holguin F, Cardet JC, Chung KF, et al. Management of severe asthma: a European Respiratory Society/American Thoracic Society guideline. *Eur Respir J*. 2020;55(1):1900588. Published 2020 Jan 2. doi:10.1183/13993003.00588-2019
8. Global Initiative for Asthma (GINA). Difficult-To-Treat & Severe Asthma in Adolescent and Adult Patients, 2023. Available from [www.ginasthma.org](http://www.ginasthma.org)
9. Institute for Clinical and Economic Review (ICER). Biologic Therapies for Treatment of Asthma Associated with Type 2 Inflammation: Effectiveness, Value, and Value-Based Price Benchmarks. Final Evidence Report: December 20, 2018.
10. Wechsler ME, Akuthota P, Jayne D, et al. EGPA Mepolizumab Study Team. Mepolizumab or Placebo for Eosinophilic Granulomatosis with Polyangiitis. *N Engl J Med*. 2017 May 18;376(20):1921-1932.
11. Wechsler ME, Akuthota P, Jayne D et al. Mepolizumab or Placebo for Eosinophilic Granulomatosis with Polyangiitis. *N Engl J Med* 2017; Supplementary Appendix.
12. Matteson EL. Eosinophilic Granulomatosis with Polyangiitis (EGPA/Churg -Strauss Syndrome). Vasculitis Foundation. Available at: <https://www.vasculitistfoundation.org/education/forms/eosinophilic-granulomatosis-withpolyangiitis-churg-strauss-syndrome/>.
13. Roufosse F, Kahn JE, Rothenberg ME, et al. Efficacy and safety of mepolizumab in hypereosinophilic syndrome: a Phase III, randomized, placebo-controlled trial. *Journal of Allergy and Clinical Immunology* (2020).
14. Schuster B, Zink A, Eyerich K. Medical algorithm: Diagnosis and treatment of hypereosinophilic syndrome. *Allergy*. 2020; 75(11): 3003-3006.
15. Shomali W, Gotlib J. World Health Organization-defined eosinophilic disorders: 2019 update on diagnosis, risk stratification, and management. *Am J Hematol*. 2019 Oct;94(10):1149-1167.
16. Butt NM, Lambert J, Ali S, et al. Guideline for the investigation and management of eosinophilia. *Br J Haematol*. 2017;176(4):553-572.
17. Valent P, Klion AD, Horny HP, et al. Contemporary consensus proposal on criteria and classification of eosinophilic disorders and related syndromes. *J Allergy Clin Immunol*. 2012;130(3):607-612.e9.
18. Klion A. Hypereosinophilic syndrome: approach to treatment in the era of precision medicine. *Hematology Am Soc Hematol Educ Program*. 2018;2018(1):326-331.
19. Greco A, Rizzo MI, De Virgilio A, et al. Churg-Strauss syndrome. *Autoimmunity Reviews*. 2015; 14(4): 341-348.
20. Raffray L, Guillevin L. Updates for the treatment of EGPA. *La Presse Medicale*. 2020; 49(3).
21. Groh M, Pagnoux C, Baldini C, et al. Eosinophilic granulomatosis with polyangiitis (Churg -Strauss) (EGPA) Consensus Task Force recommendations for evaluation and management. *European Journal of Internal Medicine*. 2015; 26(7): 545-553.
22. Bachert C, et al. Burden of disease in chronic rhinosinusitis with nasal polyps. *J Asthma Allergy*. 2021;14:127-134.

23. Bachert C, et al. EUFOREA expert board meeting on uncontrolled severe chronic rhinosinusitis with nasal polyps (CRSwNP) and biologics: Definitions and management. *J Allergy Clin Immunol.* 2021;147(1):29-36
24. Han JK, Bachert C, et al. Mepolizumab for chronic rhinosinusitis with nasal polyps (SYNAPSE): a randomised, double-blind, placebo-controlled, phase 3 trial. *Lancet.* 2021; 9(10):1141-1153.

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