



Drug Coverage Policy

Effective Date.....09/01/2024

Coverage Policy Number.....IP0568

Policy Title..... Joenja

Immune Disorder – Joenja

- Joenja® (leniolisib tablets – Pharming)

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. Each coverage request should be reviewed on its own merits. Medical directors are expected to exercise clinical judgment and have discretion in making individual coverage determinations. 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.

Cigna Healthcare Coverage Policy

OVERVIEW

Joenja, a kinase inhibitor, is indicated for the treatment of **activated phosphoinositide 3-kinase delta (PI3Kδ) syndrome (APDS)** in adults and pediatric patients ≥12 years of age.¹

Disease Overview

APDS is an ultra-rare, genetic, progressive primary immunodeficiency disorder.^{2,3} It is estimated to occur in 1 to 2 people per one million. APDS is an autosomal dominant disease caused by variants in *PIK3CD* or *PIK3R1* genes, resulting in hyperactivation of the PI3Kδ pathway. APDS is characterized by both immune deficiency and dysregulation, which causes various clinical manifestations, such as recurrent sinopulmonary infections, recurrent herpesvirus infections, lymphadenopathy,

hepatomegaly, splenomegaly, nodular lymphoid hyperplasia, autoimmunity, cytopenias, enteropathy, and bronchiectasis. APDS can lead to end-organ damage, malignancy, and early mortality. There are no other FDA-approved treatments for APDS. Current APDS management includes immunosuppressants, prophylactic antimicrobials, immunoglobulin replacement therapy, sirolimus, hematopoietic stem cell transplantation (HSCT), and surgery or procedures.

Clinical Efficacy

The efficacy of Joenja was evaluated in one Phase III, randomized, triple-blind, placebo-controlled, multicenter, pivotal study in 31 patients with APDS.² Eligible patients were 12 to 75 years of age, had pathogenic variants in *PIK3CD* or *PIK3R1* genes, had clinical findings consistent with APDS (e.g., history of repeated oto-sino-pulmonary infection and organ dysfunction), and more than one measurable lymph node on computed tomography or magnetic resonance imaging scan. The co-primary outcomes were differences from baseline in the index lymph node size and the percentage of naïve B cells in peripheral blood, which are measures of immune dysregulation and deficiency.² Both co-primary endpoints were met. Joenja significantly reduced lymphadenopathy and significantly increased the percentage of naïve B cells. Joenja also improved other outcome measures, such as spleen size, lymphocyte subsets, cytopenias, and immunoglobulin (Ig)M levels. Although changes in health-related quality of life measures were not statistically significant, many patients reported increase in activity and energy levels. An ongoing open label extension study reported results in an interim analysis from 37 patients with least 5 years of Joenja exposure.^{3,4} Joenja demonstrated a reduction in use of immunoglobulin replacement therapy and a decrease in the annualized yearly infection rate. Continued improvements in mean index lymph node size; mean immunoglobulin M (IgM) levels; and mean percentages of naïve B cells and transitional B cells were seen.

Medical Necessity Criteria

Joenja is considered medically necessary when the following criteria are met:

FDA-Approved Indication

- 1. Activated phosphoinositide 3-kinase delta syndrome (APDS).** Approve for the duration noted if the patient meets the following (A or B):
 - A) Initial Therapy.** Approve for 6 months if the patient meets all of the following (i, ii, iii, iv, and v):
 - i. Patient is \geq 12 years of age; AND
 - ii. Patient weighs \geq 45 kg; AND
 - iii. Patient has a genetic phosphoinositide 3-kinase delta (PI3K δ) pathogenic variant in *PIK3CD* and/or *PIK3R1* genes; AND
 - iv. Patient has at least one clinical finding or manifestation consistent with APDS; AND
Note: Examples of clinical findings or manifestations of APDS include recurrent sinopulmonary infections, recurrent herpesvirus infections, lymphadenopathy, hepatomegaly, splenomegaly, nodular lymphoid hyperplasia, autoimmunity, cytopenias, enteropathy, bronchiectasis, and organ dysfunction.
 - v. The medication is prescribed by or in consultation with an immunologist or a physician who treats patients with primary immune deficiencies.
 - B) Patient is currently receiving Joenja.** Approve for 1 year if the patient meets all of the following (i, ii, iii, iv, and v):
 - i. Patient has been established on therapy for at least 6 months; AND
Note: A patient who has received $<$ 6 months of therapy or who is restarting therapy should be considered under criterion A (Initial Therapy).
 - ii. Patient is \geq 12 years of age; AND

- iii. Patient weighs ≥ 45 kg; AND
- iv. Patient has a genetic phosphoinositide 3-kinase delta (PI3K δ) pathogenic variant in the *PIK3CD* and/or *PIK3R1* genes; AND
- v. Patient has had a positive clinical response in the signs and manifestations of APDS.

Note: Examples of positive clinical response in the signs and manifestations of APDS include reduction of: lymph node size, spleen size, immunoglobulin replacement therapy use, infection rate, or immunoglobulin M (IgM) levels.

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.

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

Conditions Not Covered

Any other use is considered experimental, investigational, or unproven (criteria will be updated as new published data are available).

References

1. Joenja[®] tablets [prescribing information]. Warren, NJ: Pharming; March 2023.
2. Rao V, Webster S, Sediva A, et al. A randomized, placebo-controlled phase 3 trial of the PI3K δ inhibitor leniolisib for activated PI3K δ syndrome. *Blood*. 2023;141(9):971-983.
3. Data on File. Leniolisib Pre-approved Product Dossier. Based on AMCP guidelines for formulary submission. Pharming; received March 23, 2023.
4. Rao VK, et al. Interim safety and efficacy analysis of an ongoing long-term open-label extension study of leniolisib for patients with activated PI3K delta syndrome (APDS). Presented at: European Society for Immunodeficiencies (ESID) 20th Biennial Meeting; Gothenburg, Sweden; October 12-15, 2022.

Revision Details

Type of Revision	Summary of Changes	Date
Annual Revision	<p>Policy Name Change: Updated Policy Name from "Leniolisib" to "Immune Disorder – Joenja."</p> <p>Activated phosphoinositide 3-kinase delta syndrome (APDS). The following specialists were removed from the list of specialists: pulmonologist, gastroenterologist, hematologist, infectious diseases physician, and medical geneticist.</p> <p>For patients currently receiving Joenja, Added the following criteria: Patient has been established on therapy for at least 6 months along with a note to refer to initial therapy criteria if the patient has not been on therapy for at least 6 months or is restarting therapy. Added note including examples of positive clinical response in the signs and manifestations of APDS.</p>	09/01/2024

The policy effective date is in force until updated or retired.

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