

Clinical Policy: Deferasirox (Exjade, Jadenu)

Reference Number: MDN.CP.PHAR.145

Effective Date: 04.01.22

Last Review Date: 04.22

Line of Business: Meridian IL Medicaid

[Revision Log](#)

See [Important Reminder](#) at the end of this policy for important regulatory and legal information.

Description

Deferasirox (Exjade[®], Jadenu[®]) is an iron chelator.

FDA Approved Indication(s)

Exjade and Jadenu are indicated for the treatment of:

- Chronic iron overload due to blood transfusions (transfusional hemosiderosis) in patients 2 years of age and older.
- Chronic iron overload in patients 10 years of age and older with non-transfusion-dependent thalassemia (NTDT) syndromes and with a liver iron concentration (LIC) of at least 5 milligrams of iron per gram of liver dry weight (mg Fe/g dw) and a serum ferritin greater than 300 mcg/L.

Limitation(s) of use:

The safety and efficacy of Exjade/Jadenu when administered with other iron chelation therapy have not been established.

Policy/Criteria

Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

It is the policy of health plans affiliated with Centene Corporation[®] that Exjade and Jadenu are **medically necessary** when the following criteria are met:

I. Initial Approval Criteria**A. Chronic Iron Overload due to Blood Transfusions (must meet all):**

1. Diagnosis of chronic iron overload due to blood transfusions;
2. Age ≥ 2 years;
3. Member must use generic deferasirox, unless contraindicated or clinically significant adverse effects are experienced;
4. Transfusion history of ≥ 100 mL/kg of packed red blood cells (e.g., ≥ 20 units of packed red blood cells for a 40 kg person) and a serum ferritin level $> 1,000$ mcg/L;
5. At the time of the request, member has none of the following contraindications:
 - a. Glomerular filtration rate (GFR) < 40 mL/min/1.73 m²;
 - b. Platelet count $< 50 \times 10^9$ /L;
 - c. Severe hepatic impairment (Child-Pugh C);
6. Therapy does not include concurrent use of other iron chelators;
7. Dose does not exceed the following (a or b):

- a. Exjade: 40 mg/kg per day (*see Appendix D for dose rounding guidelines*);
- b. Jadenu: 28 mg/kg per day (*see Appendix D for dose rounding guidelines*).

Approval duration: 6 months

B. Chronic Iron Overload due to Non-Transfusion Dependent Thalassemia Syndromes

(must meet all):

1. Diagnosis of chronic iron overload due to NTDT;
2. Age ≥ 10 years;
3. Member must use generic deferasirox, unless contraindicated or clinically significant adverse effects are experienced;
4. Documentation of serum ferritin level > 300 mcg/L and a LIC ≥ 5 mg Fe/g dw;
5. Therapy does not include concurrent use of other iron chelators;
6. At the time of the request, member has none of the following contraindications:
 - a. GFR < 40 mL/min/1.73 m²;
 - b. Platelet count $< 50 \times 10^9$ /L;
 - c. Severe hepatic impairment (Child-Pugh C);
7. Dose does not exceed the following (a or b):
 - a. Exjade: 20 mg/kg per day (*see Appendix D for dose rounding guidelines*);
 - b. Jadenu: 14 mg/kg per day (*see Appendix D for dose rounding guidelines*).

Approval duration: 6 months

C. Other diagnoses/indications

1. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.PMN.53 for Medicaid.

II. Continued Therapy

A. Chronic Iron Overload due to Blood Transfusions (must meet all):

1. Currently receiving medication via Centene benefit or member has previously met all initial approval criteria;
2. Current documentation (within the past 30 days) shows a serum ferritin level ≥ 500 mcg/L;
3. Therapy does not include concurrent use of other iron chelators;
4. If request is for a dose increase, new dose does not exceed the following (a or b):
 - a. Exjade: 40 mg per kg per day (*see Appendix D for dose rounding guidelines*);
 - b. Jadenu: 28 mg per kg per day (*see Appendix D for dose rounding guidelines*).

Approval duration: 12 months

B. Chronic Iron Overload due to Non Transfusion-Dependent Thalassemia Syndromes

(must meet all):

1. Currently receiving medication via Centene benefit or member has previously met all initial approval criteria;
2. Current documentation (serum ferritin within past 30 days; LIC within past 90 days) shows one of the following (a or b):
 - a. If member has received < 6 months of Exjade/Jadenu, a serum ferritin level ≥ 300 mcg/L or an LIC ≥ 3 mg Fe/g dw;

- b. If member has received ≥ 6 months of Exjade/Jadenu, an LIC is ≥ 3 mg Fe/g dw;
- 3. Therapy does not include concurrent use of other iron chelators;
- 4. If request is for a dose increase, new dose does not exceed the following (a or b):
 - a. Exjade: 20 mg per kg per day (*see Appendix D for dose rounding guidelines*);
 - b. Jadenu: 14 mg per kg per day (*see Appendix D for dose rounding guidelines*).

Approval duration: 12 months

C. Other diagnoses/indications (must meet 1 or 2):

- 1. Currently receiving medication via Centene benefit and documentation supports positive response to therapy.
Approval duration: Duration of request or 6 months (whichever is less); or
- 2. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.PMN.53 for Medicaid.

III. Diagnoses/Indications for which coverage is NOT authorized:

- A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policies – CP.PMN.53 for Medicaid, or evidence of coverage documents.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

FDA: Food and Drug Administration

Fe/g dw: iron in milligrams per gram dry weight

GFR: glomerular filtration rate

LIC: liver iron concentration

NTDT: non-transfusion-dependent thalassemia

Appendix B: Therapeutic Alternatives

Not applicable

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s):
 - Estimated GFR < 40 mL/min/1.73 m²
 - Poor performance status
 - High-risk myelodysplastic syndromes
 - Advanced malignancies
 - Platelet count $< 50 \times 10^9/L$
 - Known hypersensitivity to deferasirox or any component of Exjade or Jadenu
- Boxed warning(s):
 - Acute kidney injury, including acute renal failure requiring dialysis and renal tubular toxicity including Fanconi syndrome
 - Hepatic toxicity, including failure
 - Gastrointestinal hemorrhage
 - Therapy requires close patient monitoring, including laboratory tests of renal and hepatic function.

*Appendix D: Dose Rounding Guidelines**

| Weight-based Dose Range | Tablet for Oral Solution Quantity Recommendation |
|--------------------------|---|
| ≤ 131.24 mg | 125 mg tablet |
| 131.25 mg – 262.49 mg | 250 mg tablet |
| 262.5 mg – 392.99 mg | 125 mg tablet and 250 mg tablet |
| 393 mg – 524.99 mg | 500 mg tablet |
| 525 mg – 655.99 mg | 125 mg tablet and 500 mg tablet |
| 656 mg – 787.49 mg | 250 mg tablet and 500 mg tablet |
| 787.5 mg – 917.99 mg | 125 mg tablet, 250 mg tablet and 500 mg tablet |
| 918 mg – 1,049.99 mg | 2 x 500 mg tablets |
| 1,050 mg – 1,180.99 mg | 125 mg tablet and 2 x 500 mg tablets |
| 1,181 mg – 1,312.49 mg | 250 mg tablet and 2 x 500 mg tablets |
| 1,312.5 mg – 1,442.99 mg | 125 mg tablet, 250 mg tablet and 2 x 500 mg tablets |
| 1,443 mg – 1,574.99 mg | 3 x 500 mg tablets |
| Weight-based Dose Range | Oral Granules (sachets) Quantity Recommendation |
| ≤ 94.49 mg | 90 mg sachet |
| 94.5 mg – 188.99 mg | 180 mg sachet |
| 189 mg – 283.49 mg | 90 mg sachet and 180 mg sachet |
| 283.5 mg – 377.99 mg | 360 mg sachet |
| 378 mg – 472.49 mg | 90 mg sachet and 360 mg sachet |
| 472.5 mg – 566.99 mg | 180 mg sachet and 360 mg sachet |
| 567 mg – 661.49 mg | 90 mg sachet, 180 mg sachet and 360 mg sachet |
| 661.5 mg – 755.99 mg | 2 x 360 mg sachets |
| 756 mg – 850.49 mg | 90 mg sachet and 2 x 360 mg sachets |
| 850.5 mg – 944.99 mg | 180 mg sachet and 2 x 360 mg sachets |
| 945 mg – 1,039.49 mg | 90 mg sachet, 180 mg sachet and 2 x 360 mg sachets |
| 1,039.5 mg – 1,133.99 mg | 3 x 360 mg sachets |

**This is part of a dose rounding guideline on select drug classes as part of an initiative conducted on a larger scale with multiple references and prescriber feedback.*

V. Dosage and Administration

| Drug Name | Indication | Dosing Regimen | Maximum Dose |
|----------------------|-----------------------------|---|--------------|
| Deferasirox (Exjade) | Transfusional iron overload | 20 mg/kg body weight (calculate dose to the nearest whole tablet) PO QD | 40 mg/kg/day |
| | NTDT syndromes | 10 mg/kg body weight (calculate dose to the nearest whole tablet) PO QD | 20 mg/kg/day |
| Deferasirox (Jadenu) | Transfusional iron overload | 14 mg/kg body weight (calculated to nearest whole tablet/sachet) PO QD | 28 mg/kg/day |
| | NTDT syndromes | 7 mg/kg body weight (calculated to nearest whole tablet/sachet) PO QD | 14 mg/kg/day |

VI. Product Availability

| Drug | Availability |
|----------------------|---|
| Deferasirox (Exjade) | Tablets for oral suspension: 125 mg, 250 mg, 500 mg |
| Deferasirox (Jadenu) | Tablets/sprinkle (sachets): 90 mg, 180 mg, 360 mg |

VII. References

1. Exjade Prescribing Information. East Hanover, NJ: Novartis Pharmaceuticals Corporation; July 2020. Available at <https://www.pharma.us.novartis.com/sites/www.pharma.us.novartis.com/files/exjade.pdf>. Accessed May 13, 2021.
2. Jadenu Prescribing Information. East Hanover, NJ: Novartis Pharmaceuticals Corporation; July 2020. Available at <https://www.pharma.us.novartis.com/sites/www.pharma.us.novartis.com/files/jadenu.pdf>. Accessed May 13, 2021.
3. Musallam KM, Angastiniotis M, Eleftheriou A, Porter JB. Cross-talk between available guidelines for the management of patients with beta-thalassemia major. *Acta Haematol.* 2013; 130: 64-73. DOI: 10.1159/000345734.
4. Hoffbrand AV, Taher A, Cappellini MD. How I treat transfusional iron overload. *Blood.* November 1, 2012; 120(18): 3657-3669.
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6. Taher A, Musallam K, Cappellini MD. Guidelines for the management of non-transfusion dependent thalassaemia (NTDT) 2nd edition. Thalassaemia International Federation. 2018. TIF publication No. 22.

| Reviews, Revisions, and Approvals | Date | P&T Approval Date |
|--|----------|-------------------|
| Policy created, adapted from CP.PHAR.145 | 04.01.22 | 04.22 |

Important Reminder

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. “Health Plan” means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan’s affiliates, as applicable.

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Note:

For Medicaid members, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.

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