

Drug Policy:

Oxbryta™ (voxelotor)

POLICY NUMBER UM ONC_1376	SUBJECT Oxbryta™ (voxelotor)		DEPT/PROGRAM UM Dept	PAGE 1 of 3
DATES COMMITTEE REVIEWED 12/11/19, 05/13/20, 03/10/21, 11/15/21, 03/09/22, 05/11/22, 04/12/23, 04/10/24, 11/13/24	APPROVAL DATE November 13, 2024	EFFECTIVE DATE November 29, 2024	COMMITTEE APPROVAL DATES 12/11/19, 05/13/20, 03/10/21, 11/15/21, 03/09/22, 05/11/22, 04/12/23, 04/10/24, 11/13/24	
PRIMARY BUSINESS OWNER: UM		COMMITTEE/BOARD APPROVAL Evolut Specialty Services Clinical Guideline Review Committee		
NCQA STANDARDS UM 2		ADDITIONAL AREAS OF IMPACT		
CMS REQUIREMENTS	STATE/FEDERAL REQUIREMENTS		APPLICABLE LINES OF BUSINESS Commercial, Exchange, Medicaid	

I. PURPOSE

To define and describe the accepted indications for Oxbryta (voxelotor) usage in the treatment of cancer, including FDA approved indications, and off-label indications.

Evolut is responsible for processing all medication requests from network ordering providers. Medications not authorized by Evolut may be deemed as not approvable and therefore not reimbursable.

The use of this drug must be supported by one of the following: FDA approved product labeling, CMS-approved compendia, National Comprehensive Cancer Network (NCCN), American Society of Clinical Oncology (ASCO) clinical guidelines, or peer-reviewed literature that meets the requirements of the CMS Medicare Benefit Policy Manual Chapter 15.

II. INDICATIONS FOR USE/INCLUSION CRITERIA

A. Continuation requests for a not-approvable medication shall be exempt from this Evolut policy provided:

1. The requested medication was used within the last year, **AND**
2. The member has not experienced disease progression and/or no intolerance to the requested medication, **AND**
3. Additional medication(s) are not being added to the continuation request.

B. Sickle Cell Disease (including Homozygous Hemoglobin S, sickle Hemoglobin C disease, Hemoglobin S Beta-Thalassemia, or other genotypic variants of Sickle Cell Disease)

1. Oxbryta (voxelotor) may be used in members 4 years of age and older with Sickle Cell Disease (including Homozygous Hemoglobin S, sickle Hemoglobin C disease, Hemoglobin S Beta-Thalassemia, or other genotypic variants of Sickle Cell Disease), with a Hgb level of 5.5-10.5 gm/dL, prior therapy with hydroxyurea for 3 months, a history of 1 or more vaso-

occlusive crises in the past 12 months, and Oxbryta (voxelotor) may be used with or without hydroxyurea.

NOTE: On September 25, 2024, Pfizer Inc., the manufacturer of Oxbryta (voxelotor), announced it is voluntarily withdrawing the medication from the market, ceasing distribution, and discontinuing all active clinical trials and expanded access programs for Oxbryta because recent data indicate the benefit of Oxbryta does not outweigh the risks for the sickle cell patient population.

III. EXCLUSION CRITERIA

- A. After a trial of therapy (range 12-18 months) with Oxbryta (voxelotor) at 1,500 mg per day (or the maximum tolerated dose for the member), if the members' hemoglobin does not improve by at least 1 gm/dl, Oxbryta (voxelotor) therapy should be discontinued.
- B. Dosing exceeds single dose limit of Oxbryta (voxelotor) 1,500 mg .
- C. Treatment exceeds the maximum limit of 90 (500 mg) or 90 (300 mg) tablets/month.
- D. Investigational use of Oxbryta (voxelotor) with an off-label indication that is not sufficient in evidence or is not generally accepted by the medical community. Sufficient evidence that is not supported by CMS recognized compendia or acceptable peer reviewed literature is defined as any of the following:
 - 1. Whether the clinical characteristics of the patient and the cancer are adequately represented in the published evidence.
 - 2. Whether the administered chemotherapy/biologic therapy/immune therapy/targeted therapy/other oncologic therapy regimen is adequately represented in the published evidence.
 - 3. Whether the reported study outcomes represent clinically meaningful outcomes experienced by patients. Generally, the definitions of Clinically Meaningful outcomes are those recommended by ASCO, e.g., Hazard Ratio of less than 0.80 and the recommended survival benefit for OS and PFS should be at least 3 months.
 - 4. Whether the experimental design, considering the drugs and conditions under investigation, is appropriate to address the investigative question. (For example, in some clinical studies, it may be unnecessary or not feasible to use randomization, double blind trials, placebos, or crossover).
 - 5. That non-randomized clinical trials with a significant number of subjects may be a basis for supportive clinical evidence for determining accepted uses of drugs.
 - 6. That case reports are generally considered uncontrolled and anecdotal information and do not provide adequate supportive clinical evidence for determining accepted uses of drugs.
 - 7. That abstracts (including meeting abstracts) without the full article from the approved peer-reviewed journals lack supporting clinical evidence for determining accepted uses of drugs.

IV. MEDICATION MANAGEMENT

- A. Please refer to the FDA label/package insert for details regarding these topics.

V. APPROVAL AUTHORITY

- A. Review – Utilization Management Department
- B. Final Approval – Utilization Management Committee

VI. ATTACHMENTS

- A. None

VII. REFERENCES

- A. Vichinsky E, et al. HOPE Trial: A Phase 3 Randomized Trial of Voxelotor in Sickle Cell Disease. N Engl J Med. 2019 Aug 8;381(6):509-519.
- B. <https://www.fda.gov/drugs/drug-safety-and-availability/fda-alerting-patients-and-health-care-professionals-about-voluntary-withdrawal-oxbryta-market-due>
- C. Oxbryta prescribing information. Global Blood Therapeutics, Inc. South San Francisco, CA 2024.
- D. Clinical Pharmacology Elsevier Gold Standard 2024.
- E. Micromedex® Healthcare Series: Micromedex Drugdex Ann Arbor, Michigan 2024.
- F. National Comprehensive Cancer Network. Cancer Guidelines and Drugs and Biologics Compendium. 2024.
- G. AHFS Drug Information. American Society of Health-Systems Pharmacists or Wolters Kluwer Lexi-Drugs. Bethesda, MD 2024.
- H. Ellis LM, et al. American Society of Clinical Oncology perspective: Raising the bar for clinical trials by defining clinically meaningful outcomes. J Clin Oncol. 2014 Apr 20;32(12):1277-80.
- I. Medicare Benefit Policy Manual Chapter 15 Covered Medical and Other Health Services: <https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/Downloads/bp102c15.pdf>.