

## Clinical Policy: Valbenazine (Ingrezza)

Reference Number: CP.PCH.48

Effective Date: 09.01.22

Last Review Date: 05.23

Line of Business: Commercial, HIM

[Revision Log](#)

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

### Description

Valbenazine (Ingrezza<sup>®</sup>) is a vesicular monoamine transporter 2 (VMAT2) inhibitor.

### FDA Approved Indication(s)

Ingrezza is indicated for the treatment of adults with

- tardive dyskinesia
- chorea associated with Huntington's disease

### 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<sup>®</sup> that Ingrezza is **medically necessary** when the following criteria are met:

#### I. Initial Approval Criteria

##### A. Tardive Dyskinesia (must meet all):

1. Diagnosis of TD secondary to a centrally acting dopamine receptor blocking agent (DRBA) (*see Appendix F*);
2. Prescribed by or in consultation with a psychiatrist or neurologist;
3. Age  $\geq$  18 years;
4. Ingrezza is not prescribed concurrently with Austedo<sup>®</sup> or tetrabenazine;
5. Dose does not exceed both (a and b):
  - a. 80 mg per day;
  - b. 1 capsule per day.

##### Approval duration:

**HIM** – 6 months

**Commercial** – 12 months or duration of request, whichever is less

##### B. Chorea Associated with Huntington Disease (must meet all):

1. Diagnosis of chorea associated with Huntington disease;
2. Prescribed by or in consultation with a neurologist;
3. Age  $\geq$  18 years;
4. Targeted mutation analysis demonstrates a cytosine-adenine-guanine (CAG) trinucleotide expansion of  $\geq$  36 repeats in the huntingtin (HTT) gene;

5. Evidence of chorea is supported by a Unified Huntington Disease Rating Scale (UHDRS) score ranging from 1 to 4 on any one of chorea items 1 through 7 (*see Appendix H*);
6. Ingrezza is not prescribed concurrently with Austedo or tetrabenazine;
7. Dose does not exceed both (a and b):
  - a. 80 mg per day;
  - b. 1 capsule per day;

**Approval duration:**

**HIM** – 6 months

**Commercial** – 12 months or duration of request, whichever is less

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

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to one of the following policies (a or b):
  - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.CPA.190 for commercial and HIM.PA.33 for health insurance marketplace; or
  - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.CPA.190 for commercial and HIM.PA.103 for health insurance marketplace; or
2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: CP.CPA.09 for commercial and HIM.PA.154 for health insurance marketplace.

**II. Continued Therapy**

**A. All Indications in Section I** (must meet all):

1. Currently Member meets one of the following (a or b):
  - a. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
  - b. Member is currently receiving medication and is enrolled in a state and product with continuity of care regulations (*refer to state specific addendums for CC.PHARM.03A and CC.PHARM.03B*);
2. Member meets one of the following (a or b):
  - a. For TD: Member is responding positively to therapy as evidenced by a reduction since baseline in any one of Abnormal Involuntary Movement Scale (AIMS) items 1 through 9 (*see Appendix G*);
  - b. For Huntington disease: Member is responding positively as evidenced by a reduction since baseline in any one of the UHDRS chorea items 1 through 7 (*see Appendix H*);
3. Ingrezza is not prescribed concurrently with Austedo or tetrabenazine;

4. If request is for a dose increase, new dose does not exceed both (a and b):
  - a. 80 mg per day;
  - b. 1 capsule per day.

**Approval duration:**

**HIM** – 12 months

**Commercial** – 12 months or duration of request, whichever is less

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

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to one of the following policies (a or b):
  - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.CPA.190 for commercial and HIM.PA.33 for health insurance marketplace; or
  - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.CPA.190 for commercial and HIM.PA.103 for health insurance marketplace; or
2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: CP.CPA.09 for commercial and HIM.PA.154 for health insurance marketplace.

**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.CPA.09 for commercial and HIM.PA.154 for health insurance marketplace or evidence of coverage documents.

**IV. Appendices/General Information**

*Appendix A: Abbreviation/Acronym Key*

AIMS: Abnormal Involuntary Movement Scale

APA: American Psychiatry Association

CAG: cytosine-adenine-guanine

DRBA: dopamine receptor blocking agent

DSM V: Diagnostic and Statistical Manual, Version 5

FDA: Food and Drug Administration

HTT: huntingtin

TD: tardive dyskinesia

UHDRS: Unified Huntington Disease Rating Scale

VMAT2: vesicular monoamine transporter

*Appendix B: Therapeutic Alternatives*

Not applicable

*Appendix C: Contraindications/Boxed Warnings*

- Contraindication(s): known hypersensitivity to valbenazine or any components of Ingrezza

- Boxed warning(s): depression and suicidal ideation and behavior in patients with Huntington's disease

*Appendix D: General Information - Tardive Dyskinesia*

- Ingrezza should not be used concurrently with other VMAT2 inhibitors such as tetrabenazine or deutetrabenazine as this is considered duplicate therapy.
- Medication-induced movement disorders, including tardive dyskinesia, are organized in the DSM V as follows: neuroleptic-induced parkinsonism/other medication-induced parkinsonism, neuroleptic malignant syndrome, medication-induced acute dystonia, medication-induced acute akathisia, tardive dyskinesia, tardive dystonia/tardive akathisia, medication-induced postural tremor, other medication-induced movement disorder, antidepressant discontinuation syndrome, and other adverse effects of medication.
- Tardive dyskinesia is a type of movement disorder that occurs secondary to therapy with *centrally acting* DRBAs (Appendix E). (DSM V)
- Typical therapeutic drug classes containing DRBAs include first- and second-generation antipsychotics, antiemetics, and tri-cyclic antidepressants (Appendix F). (DSM V)
- Other therapeutic drug classes containing agents that have been variously associated with movement disorders are listed below: (Waln 2013, Meyer 2014, Lerner 2015)
  - Antiarrhythmics
  - Antibiotics
  - Anticholinergics
  - Antidepressants
  - Antiepileptics
  - Antihistamines
  - Antimanics
  - Bronchodilators
  - Calcium channel blockers
  - Central nervous system stimulants
  - Dopamine agonists
  - Dopamine depleting agents
  - Dopaminergics
  - Glucocorticoids
  - Immunosuppressants
  - Mood stabilizers
  - Muscle relaxants
  - Oral contraceptives

*Appendix E: Tardive Dyskinesia: DSM-V Definition*

**Tardive Dyskinesia (ICD-9 333.85/ICD-10 G24.01)**

- Involuntary athetoid or choreiform movements (lasting at least a few weeks) generally of the tongue, lower face and jaw, and extremities (but sometimes involving the pharyngeal, diaphragmatic, or trunk muscles) developing in association with the use of a neuroleptic medication for at least a few months.
- Symptoms may develop after a shorter period of medication use in older persons. In some patients, movements of this type may appear after discontinuation, or after change or reduction in dosage, of neuroleptic medications, in which case the condition is called neuroleptic withdrawal emergent dyskinesia. Because withdrawal emergent dyskinesia is usually time limited, lasting less than 4-8 weeks, dyskinesia that persists beyond this window is considered to be tardive dyskinesia.

*Appendix F: Centrally Acting Dopamine Receptor Blocking Agents (Neuroleptics)*

Pharmacologic Class	Therapeutic Class		
	First-generation (typical) antipsychotics	Antiemetic agents	Tri-cyclic antidepressants
Phenothiazine	Chlorpromazine Fluphenazine Perphenazine Thioridazine Thiothixene Trifluoperazine	Chlorpromazine Perphenazine Prochlorperazine Promethazine* Thiethylperazine	Amoxapine <sup>†</sup>
Butyrophenone	Haloperidol	Droperidol Haloperidol**	
Substituted benzamide		Metoclopramide Trimethobenzamide	
Dibenzazepine	Loxapine		
Diphenylbutylpiperidine	Pimozide		
Pharmacologic Class	Second-generation (atypical) antipsychotics		
Quinolone	Aripiprazole, brexpiprazole		
Dibenzazepine	Asenapine		
Piperazine	Cariprazine		
Dibenzodiazepine	Clozapine, quetiapine		
Benzisoxazole	Iloperidone		
Benzisothiazole	Lurasidone, ziprasidone		
Thienobenzodiazepine	Olanzapine		
Pyrimidinone	Paliperidone, risperidone		

(DSM V, Meyer 2014, Smith 2010, Clinical Pharmacology, Lexicomp)

\*First generation H1 antagonist

\*\*Off-label use

<sup>†</sup>A dibenzoxapine that shares properties with phenothiazines

*Appendix G: The Abnormal Involuntary Movement Scale (AIMS)*

- The AIMS is a clinician-rated 12-item assessment tool developed by the National Institute of Mental Health to evaluate severity of involuntary movements in multiple movement disorders including TD. The AIMS is commonly used in both research and clinical practice.
- AIMS items 1-10 are rated on a 5-point scale (0 - none; 1 - minimal; 2 - mild; 3 - moderate; 4 - severe). Items 1-7 assess dyskinesia severity by body region (items 1-4 orofacial; items 5-7 extremity and trunk). Items 8-10 assess overall severity, incapacitation, and patient awareness respectively - item 8 uses the highest score of any one of items 1-7. Items 11 (dental) and 12 (dentures) are yes/no questions which help characterize lip, jaw, and tongue movements.
- See Munetz 1988 for additional information about the AIMS.

*Appendix H: Chorea: The Unified Huntington Disease Rating Scale (UHDRS)*

- The UHDRS encompasses motor, behavioral, cognitive, and functional components for use in evaluating patients with Huntington disease and is commonly used in both research and clinical practice.
- The American Academy of Neurology (AAN) guidelines evaluating pharmacologic therapies for chorea associated with Huntington disease describe the chorea subscore of the UHDRS motor component as a rating of 7 body regions (facial, bucco-oral-lingual, trunk, extremities) on a five-point scale from 0 to 4 with 0 representing no chorea.
- See Huntington Study Group 1996 and Mestre et al. 2018 for additional information about the UHDRS.

(AAN Guidelines 2012, Huntington Study Group 1996, Mestre 2018)

**V. Dosage and Administration**

Indication	Dosing Regimen	Maximum Dose
TD	40 mg PO once daily; after a week, increase to the recommended dose of 80 mg one daily. A dosage of 40 mg or 60 mg once daily may be considered depending on response and tolerability.	80 mg/day
Chorea associated with Huntington's disease	40 mg PO once daily; increase the dose in 20 mg increments every two weeks to the recommended dose of 80 mg once daily. A dosage of 40 mg or 60 mg once daily may be considered depending on response and tolerability.	80 mg/day

**VI. Product Availability**

Capsules: 40 mg, 60 mg, 80 mg

**VII. References**

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*Tardive Dyskinesia*

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Huntington Disease

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Reviews, Revisions, and Approvals	Date	P&T Approval Date
Policy created (adapted from CP.CPA.351 to add HIM line of business) per May SDC and prior clinical guidance; for continuation of therapy added requirement that member is responding positively to therapy as evidenced by a reduction since baseline in any one of Abnormal Involuntary Movement Scale (AIMS) items 1 through 9, added Appendix G.	05.20.22	08.22
Template changes applied to other diagnoses/indications and continued therapy section.	09.29.22	
2Q 2023 annual review: no significant changes; references reviewed and updated.	02.05.23	05.23
RT4: added newly approved FDA indication chorea associated with Huntington’s disease; appendix H added with UHDRS details; boxed warning updated per prescribing information.	09.12.23	

**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.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a



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This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

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