SmartPA Criteria Proposal

Drug/Drug Class:	Alpha-Glucosidase Inhibitors PDL Edit
First Implementation Date:	January 8, 2009
Proposed Date:	July 18, 2023
Prepared For:	MO HealthNet
Prepared By:	MO HealthNet/Conduent
Criteria Status:	☒ Existing Criteria ☐ Revision of Existing Criteria ☐ New Criteria

Executive Summary

Purpose: The MO HealthNet Pharmacy Program will implement a state-specific preferred drug list.

Why Issue Selected: Type 2 diabetes mellitus is a significant health problem associated with excessive morbidity and mortality. As the prevalence of this metabolic disorder is rapidly increasing and as older treatments fail to stabilize the disease in many participants, prevention and control are considered key objectives. Alpha-glucosidase inhibitors (AGIs) inhibit alpha-glucosidases (upper gastrointestinal enzymes) that convert complex polysaccharide carbohydrates into monosaccharides with an effect that is dose-dependent. They are given with meals and work in the gastrointestinal tract by slowing the breakdown of complex sugars into glucose resulting in delayed glucose absorption and lower blood sugars following meals. In older participants with type 2 diabetes mellitus, acarbose has been shown to possibly increase insulin sensitivity as well. The AGIs may be used alone or in combination with other medications for diabetes. The main adverse effect of these medications is flatulence, but symptoms tend to be mild and are dose related; decreasing the starting dose may improving tolerability of therapy.

Total program savings for the PDL classes will be regularly reviewed.

Program-Specific Information:

Preferred Agents	Non-Preferred Agents
• Acarbose • Miglitol	• Glyset® • Precose®

Type of Criteria:
☐ **Increased risk of ADE**
☐ **Appropriate Indications**
☒ **Preferred Drug List**
☐ **Clinical Edit**

Data Sources:
☐ **Only Administrative Databases**
☒ **Databases + Prescriber-Supplied**

Setting & Population

- Drug class for review: Alpha-Glucosidase Inhibitors
- Age range: All appropriate MO HealthNet participants

Approval Criteria

- Failure to achieve desired therapeutic outcomes with trial on 2 or more preferred agents
  - Documented trial period of preferred agents **OR**
  - Documented ADE/ADR to preferred agents

Denial Criteria

- Lack of adequate trial on required preferred agents
- Therapy will be denied if all approval criteria are not met

Required Documentation

Laboratory Results:	☐	Progress Notes:	☐
MedWatch Form:	☐	Other:	☐

Disposition of Edit

Denial: Exception Code “0160” (Preferred Drug List)
Rule Type: PDL

Default Approval Period

1 year

References

- Evidence-Based Medicine and Fiscal Analysis: “Therapeutic Class Review: ENDOCRINE AND METABOLIC AGENTS: Antihyperglycemic, Alpha Glucosidase Inhibitor”, Gainwell Technologies; Last updated May 12, 2023.
- Evidence-Based Medicine Analysis: “Alpha-Glucosidase Inhibitors - Updated”, UMKC-DIC; April 2022.
- USPDI, Micromedex; 2023.
- Clinical Pharmacology [online]. Tampa (FL): Elsevier. 2023.