

Clinical Policy: Sodium-Glucose Co-Transporter 2 (SGLT2) Inhibitors

Reference Number: HIM.PA.91

Effective Date: 01.01.15 Last Review Date: 02.21 Line of Business: HIM

Revision Log

See <u>Important Reminder</u> at the end of this policy for important regulatory and legal information.

Description

The following agents contain a sodium-glucose co-transporter 2 (SGLT2) inhibitor and require prior authorization: canagliflozin (Invokana[®]), canagliflozin/metformin (Invokamet[®], Invokamet[®] XR), dapagliflozin (Farxiga[®]), dapagliflozin/metformin (Xigduo[®] XR), dapagliflozin/saxagliptin (Qtern[®]), dapagliflozin/saxagliptin/metformin (Qternmet[®] XR), and ertugliflozin/sitagliptin (Steglujan[™]).

FDA Approved Indication(s)

SGLT2 inhibitors are indicated as adjunct to diet and exercise to improve glycemic control in adults with type 2 diabetes mellitus.

Dapagliflozin-, canagliflozin-, and empagliflozin-containing products are also indicated in adult patients with type 2 diabetes mellitus and established cardiovascular (CV) disease (or multiple CV risk factors [dapagliflozin only]) to:

- Reduce the risk of hospitalization for heart failure (HF) (dapagliflozin)
- Reduce the risk of major adverse CV events: CV death, nonfatal myocardial infarction, and nonfatal stroke (canagliflozin)
- Reduce the risk of CV death (empagliflozin)

Canagliflozin-containing products are additionally indicated to reduce the risk of end-stage kidney disease, doubling of serum creatinine, CV death, and hospitalization for HF in adults with type 2 diabetes mellitus and diabetic nephropathy with albuminuria > 300 mg/day.

Farxiga is additionally indicated to reduce the risk of CV death and hospitalization for HF in adults with heart failure with reduced ejection fraction (HFrEF) (New York Heart Association [NYHA] class II-IV).

Limitation(s) of use:

- SGLT2 inhibitors should not be used in patients with type 1 diabetes or for the treatment of diabetic ketoacidosis. SGLT2 inhibitors may increase the risk of diabetic ketoacidosis.
- Qternmet XR initiation is intended only for patients currently taking metformin.

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 SGLT2 inhibitors are **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

A. Type 2 Diabetes Mellitus (must meet all):

- 1. Diagnosis of type 2 diabetes mellitus;
- 2. Age \geq 18 years;
- 3. Member meets one of the following (a or b):
 - a. Failure of ≥ 3 consecutive months of metformin, unless contraindicated or clinically significant adverse effects are experienced;
 - b. For medication-naïve members, requested agent is approvable if intended for concurrent use with metformin due to HbA1c ≥ 8.5% (drawn within the past 3 months);
- 4. If request is for Qtern or Steglujan, failure of ≥ 3 consecutive months of Glyxambi or Trijardy XR, unless clinically significant adverse effects are experienced or both are contraindicated;
- 5. If request is for a canagliflozin- or dapaglifozin-containing product (i.e., Farxiga, Invokana, Invokamet, Invokamet XR, Qternmet XR, Xigduo XR), request meets one of the following (a, b, or c):
 - a. Failure of ≥ 3 consecutive months each of an empagliflozin- and ertugliflozin- containing product, unless clinically significant adverse effects are experienced or both are contraindicated;
 - b. Member has established CV disease (e.g., ASCVD or HF) or diabetic nephropathy, and failure of an empagliflozin-containing product, unless contraindicated or clinically significant adverse effects are experienced;
 - c. Member has multiple risk factors for CV disease (*see Appendix D*), and request is for a formulary canagliflozin- or dapaglifozin-containing product, unless contraindicated or clinically significant adverse effects are experienced;
- 6. Dose does not exceed the FDA-approved maximum recommended dose (*see Section V*).

Approval duration: 12 months

B. Heart Failure (must meet all):

- 1. Diagnosis of HFrEF of NYHA Class II, III, or IV;
- 2. Request is for Farxiga:
- 3. Prescribed by or in consultation with a cardiologist;
- 4. Age \geq 18 years;
- 5. Left ventricular ejection fraction (LVEF) is $\leq 40\%$;
- 6. Member does not have a diagnosis of type 1 diabetes mellitus;
- 7. Member is currently receiving standard HF drug therapy at target doses for ≥ 4 weeks, including both of the following (a and b) unless clinically significant adverse effects are experienced or all are contraindicated:
 - a. Angiotensin converting enzyme inhibitor, angiotensin receptor blocker, or Entresto[®];
 - b. Beta blocker;
- 8. Dose does not exceed 10 mg (1 tablet) per day.



Approval duration: 12 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): HIM.PA.154 for health insurance marketplace.

II. Continued Therapy

A. Type 2 Diabetes Mellitus (must meet all):

- 1. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
- 2. Member is responding positively to therapy;
- 3. If request is for a dose increase, new dose does not exceed the FDA-approved maximum recommended dose (*see Section V*).

Approval duration: 12 months

B. Heart Failure (must meet all):

- 1. Currently receiving medication via Centene benefit, or documentation supports that member is currently receiving Farxiga for HFrEF and has received this medication for at least 30 days;
- 2. Request is for Farxiga;
- 3. Member is responding positively to therapy;
- 4. If request is for a dose increase, new dose does not exceed 10 mg (1 tablet) per day.

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 12 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): 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 – HIM.PA.154for health insurance marketplace or evidence of coverage documents.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

AACE: American Association of Clinical

Endocrinologists

ACE: American College of Endocrinology

ADA: American Diabetes Association

ASCVD: atherosclerotic cardiovascular

disease

CV: cardiovascular

DPP-4: dipeptidyl peptidase-4

ER: extended-release

FDA: Food and Drug Administration

GLP-1: glucagon-like peptide-1

HbA1c: glycated hemoglobin



HF: heart failure IR: immediate-release

HFrEF: heart failure with reduced ejection fraction LVEF: left ventricular ejection fraction SGLT2: sodium-glucose co-transporter 2

Appendix B: Therapeutic Alternatives

This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent for all relevant lines of business

and may require prior authorization.

Drug Name	Dosing Regimen	Dose Limit/
		Maximum Dose
metformin (Fortamet [®] , Glucophage [®] ,	Regular-release (Glucophage): 500 mg PO BID or 850 mg PO QD; increase as	Regular-release: 2,550 mg/day
Glucophage [®] XR, Glumetza [®])	needed in increments of 500 mg/week or	
Giumeiza ⁻)	850 mg every 2 weeks	
	Extended-release:	Extended-
	• Fortamet, Glumetza: 1,000 mg PO QD; increase as needed in increments of 500 mg/week	release: 2,000 mg/day
	Glucophage XR: 500 mg PO QD; increase as needed in increments of 500 mg/week	
Segluromet (ertugliflozin/	Individualized dose PO BID	15/2,000 mg/day
metformin)		
Steglatro (ertugliflozin)	5 mg PO QD	15 mg/day
Jardiance (empagliflozin)	10 mg PO QD	25 mg/day
Synjardy	Individualized dose PO BID	25/2,000 mg/day
(empagliflozin/metformin)		
Glyxambi (empagliflozin/linagliptin)	One 10/5 mg tablet PO QD	25/5 mg/day
Trijardy XR	Individualized dose PO QD	25/5/2,000
(empagliflozin/linagliptin/metformin)		mg/day
Synjardy XR	Individualized dose PO QD	25/2,000 mg/day
(empagliflozin/metformin)		
Januvia (sitagliptin)	100 mg PO QD	100 mg/day
Janumet	Individualized dose PO BID	100/2,000
(sitagliptin/metformin)		mg/day
Janumet XR	Individualized dose PO QD	100/2,000
(sitagliptin/metformin)		mg/day
ACEIs		
captopril (Capoten®)	Initially, 6.25 mg PO 3 times daily, then	450 mg/day
- · · · · · · ·	increase to 50 mg PO 3 times daily if	
	tolerated.	



Drug Name	Dosing Regimen	Dose Limit/
		Maximum Dose
enalapril (Vasotec [®] , Epaned [®])	Initially, 2.5 mg PO twice daily, then increase to 10 to 20 mg PO twice daily if	40 mg/day
Epanea)	tolerated.	
fosinopril (Monopril®)	Initially, 5 to 10 mg PO once daily, then	80 mg/day
	increase to 40 mg/day if tolerated.	8 9
lisinopril (Prinivil®,	Initially, 2.5 to 5 mg PO once daily, then	80 mg/day
Zestril [®] , Qbrelis [®])	increase to 20 to 40 mg/day if tolerated.	
perindopril (Aceon®)	Initially, 4 mg PO once daily for 2 weeks,	16 mg/day
	then increase to 8 mg PO once daily if	
	tolerated.	
quinapril (Accupril®)	Initially, 5 mg PO twice daily, then	80 mg/day
	increase to 20 mg PO twice daily of	
• •1 (A 1)	tolerated.	20 /1
ramipril (Altace®)	Initially, 2.5 mg PO once daily. Gradually	20 mg/day
	titrate to 5 mg/day PO, then increase if	
	tolerated to the target dosage of 10	
tuon de la muit (Marvity®)	mg/day PO, given in 1 to 2 divided doses.	0/
trandolapril (Mavik®)	Initially, 1 mg PO once daily, then increase to 4 mg/day if tolerated.	8 mg/day
ARBs	increase to 4 mg/day if tolerated.	
candesartan (Atacand®)	Initially, 4 to 8 mg PO once daily, then	32 mg/day
candesartan (Atacana)	increase to 32 mg/day if tolerated.	32 mg/day
losartan (Cozaar®)	Initially, 25 to 50 mg PO once daily, then	100 mg/day
Tosurum (Cozum)	increase to 50 to 150 mg/day if tolerated.	100 mg/ day
telmisartan (Micardis®)	80 mg PO once daily	80 mg/day
valsartan (Diovan®)	Initially, 20 to 40 mg PO twice daily, then	320 mg/day
,	increase dose to 160 mg PO twice daily if	
	tolerated.	
ARNI/ARB		
Entresto [®]	The recommended starting dose is 49/51	194/206 mg/day
(sacubitril/valsartan)	mg (sacubitril/valsartan) PO BID. Double	
	the dose after 2 to 4 weeks to the target	
	maintenance dose of 97/103 mg	
	(sacubitril/valsartan) BID, as tolerated by	
	the patient.	
Beta-Blockers Recommend		10 /1
bisoprolol (Zebeta®)	HF	10 mg/day
	Initially, 1.25 mg PO QD for 48 hours,	
	then 2.5 mg QD for the first month, then 5	
approdict (Caraca® Caraca	mg QD.	Immodiata
carvedilol (Coreg [®] , Coreg CR [®])	Immediate-release: Initially, 3.125 mg PO	Immediate- release: 100
CK)	BID for 2 weeks. Dosage may be	mg/day
	subsequently increased to 6.25, 12.5, and	ing/uay
	buosequently increased to 0.23, 12.3, allu]



Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
	then 25 mg PO BID over successive	Extended-
	intervals of at least 2 weeks.	release: 80
	Extended-release: Initially, 10 mg PO QD	mg/day
	for 2 weeks. Dosage may be subsequently	
	increased to 20, 40, and then 80 mg PO	
	QD over successive intervals of at least 2	
	weeks.	
metoprolol succinate	HF	200 mg/day
extended release (Toprol	25 mg PO QD for 2 weeks in patients	
$XL^{\mathbb{R}}$)	with NYHA class II HF, or 12.5 mg PO	
	QD in patients with more severe HF.	
	Double the dose every 2 weeks as	
	tolerated, up to the target dosage of 200	
TI	mg PO QD.	

Therapeutic alternatives are listed as Brand name[®] (generic) when the drug is available by brand name only and generic (Brand name[®]) when the drug is available by both brand and generic.

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s):
 - o History of serious hypersensitivity reaction to the requested drug product
 - Moderate to severe renal impairment*, end-stage renal disease, or dialysis
 *Minimum degree of renal impairment varies per agent; refer to individual prescribing information
 - Metabolic acidosis, including diabetic ketoacidosis (metformin-containing products only)
- Boxed warning(s): lactic acidosis (metformin-containing products only)

Appendix D: General Information

- A double-blind, placebo-controlled dose-response trial by Garber et al. found the maximal efficacy of metformin to occur at doses of 2,000 mg. However, the difference in adjusted mean change in HbA1c between the 1,500 and 2,000 mg doses was 0.3%, suggesting that the improvement in glycemic control provided by the additional 500 mg may be insufficient when HbA1c is > 7%.
- Per the 2020 American Diabetes Association (ADA) and 2020 American Association of Clinical Endocrinologists and American College of Endocrinology (AACE/ACE) guidelines:
 - Metformin is recommended for all patients with type 2 diabetes. Monotherapy is recommended for most patients; however:
 - Starting with dual therapy (i.e., metformin plus another agent, such as a sulfonylurea, thiazolidinedione, dipeptidyl peptidase-4 [DPP-4] inhibitor, SGLT2 inhibitor, glucagon-like peptide 1 [GLP-1] receptor agonist, or basal insulin) may be considered for patients with baseline HbA1c ≥ 1.5% above their target per the ADA (≥ 7.5% per the AACE/ACE). According to the ADA, a reasonable HbA1c target for many non-pregnant adults is < 7% (≤ 6.5% per the AACE/ACE).</p>



- Starting with combination therapy with insulin may be considered for patients with baseline HbA1c > 10% per the ADA (> 9% if symptoms are present per the AACE/ACE).
- o If the target HbA1c is not achieved after approximately 3 months of monotherapy, dual therapy should be initiated. If dual therapy is inadequate after 3 months, triple therapy should be initiated. Finally, if triple therapy fails to bring a patient to goal, combination therapy with insulin should be initiated. Each non-insulin agent added to initial therapy can lower HbA1c by 0.7-1%.
- Although Invokana is currently the only SGLT2 inhibitor with a labeled indication for diabetic nephropathy, Farxiga and Jardiance have also demonstrated renal protective effects. The 2020 ADA guidelines recommend SGLT2 inhibitors be considered when treating type 2 diabetic patients with renal concerns, noting that Farxiga, Jardiance, and Invokana all confer renal benefit, with no preference for one over the other
 - o Farxiga DECLARE-TIMI 58: The cardiorenal secondary composite outcome (sustained decline of at least 40% in eGFR to less than 60 mL/min/1.73 m2, end stage renal disease (ESRD), or death from renal or CV causes) was significantly reduced with Farxiga compared to placebo (HR 0.76, 95% CI 0.67-0.87; p < 0.0001); excluding death from CV causes, the HR for the renal-specific outcome was 0.53 (95% CI 0.43-0.66; p < 0.0001). There was a 46% reduction in sustained decline in eGFR by at least 40% to less than 60 mL/min/1.73 m2 (120 [1.4% vs 221 [2.6%]; HR 0.54 [95% CI 0.43-0.67]; p < 0.0001). The risk of ESRD or renal death was also lower in the Farxiga group than in the placebo group (11 [0.1%] vs 27 [0.3%]; HR 0.41 [95% CI 0.20-0.82]; p = 0.012).
 - O Jardiance EMPA-REG: Analysis of secondary outcomes yielded a reduction of risk for incident of or worsening nephropathy (HR 0.61 [95% CI 0.53-0.70]), progression to urine albumin to creatinine ratio (UACR) > 300 mg/g (HR 0.62 [95% CI 0.54-0.72]), composite consisting doubling of serum creatinine, initiation of renal replacement therapy, and death from ESRD (HR 0.54 [95% CI 0.40-0.75]).
- Examples of CV risk factors may include but are not limited to: dyslipidemia, hypertension, obesity/overweight, a family history of premature coronary disease, and smoking.
- According to the ADA, ASCVD includes coronary heart disease, cerebrovascular disease, or peripheral arterial disease presumed to be of atherosclerotic origin.
- Although Farxiga and Invokana are the only SGLT2 inhibitors with labeled indications for reducing the risk of HHF, Jardiance has also been shown to reduce the risk of HHF. The 2020 ADA guidelines acknowledge Farxiga along with Jardiance and Invokana as agents which reduce the risk of HHF, without a preference for one agent over the other. Any of the three can be used in T2DM patients with established HF; however, the guidelines recommend only Jardiance or Invokana for patients with established ASCVD.
 - Jardiance EMPA-REG Outcome, patients with established ASCVD: The primary outcome (composite of death from CV causes, nonfatal MI, or non-fatal stroke) was reduced with Jardiance compared to placebo (HR 0.86, 95% CI 0.74 0.99; p = 0.04). Analysis of secondary outcomes yielded a reduction in hospitalization for heart failure when treated with Jardiance compared to placebo (HR 0.65, 95% CI 0.50 0.85; p = 0.002).



- o Invokana CANVAS Program, patients with established ASCVD or multiple ASCVD risk factors: The primary outcome (composite of death from CV causes, nonfatal MI or nonfatal stroke) was reduced with Invokana compared to placebo (HR 0.86, 95% CI 0.75 0.97; p = 0.02). Analysis of secondary outcomes yielded a reduction in hospitalization for heart failure when treated with Invokana compared to placebo (HR 0.67, 95% CI 0.52 0.87).
- In August 2020, the FDA removed the boxed warning regarding the risk of leg and foot amputations from the canagliflozin prescribing information. Although the risk is still present (and continues to be described in the Warnings and Precautions section of the prescribing information), the FDA notes the significantly enhanced benefit of canagliflozin (e.g., effects in heart and kidney disease) relative to said risk, which safety information from recent trials suggest is lower than previously described.

V. Dosage and Administration

Drug Name	Dosing Regimen	Maximum
		Dose
Farxiga (dapagliflozin)	5 mg PO QD	10 mg/day
	To reduce the risk of	
	hospitalization for HF in T2DM	
	patients and the risk of CV	
	death and hospitalization in	
	adults with HFrEF, the	
	recommended dose is 10 mg	
	PO QD	
Invokamet (canagliflozin/metformin)	One 50/500 mg tablet PO BID	300/2,000
		mg/day
Invokamet XR	Two 50/500 mg tablets PO QD	300/2,000
(canagliflozin/metformin)		mg/day
Invokana (canagliflozin)	100 mg PO QD	300 mg/day
Qtern (dapagliflozin/saxagliptin)	One 5/5 mg tablet PO QD	10/5 mg/day
Qternmet XR	Individualized dose PO QD	10/5/2,000
(dapagliflozin/saxagliptin/metformin)		mg/day
Steglujan (ertugliflozin/sitagliptin)	One 5/100 mg tablet PO QD	15/100 mg/day
Xigduo XR	Individualized dose PO QD	10/2,000
(dapagliflozin/metformin)		mg/day

VI. Product Availability

Drug Name	Availability
Farxiga (dapagliflozin)	Tablets: 5 mg, 10 mg
Invokamet (canagliflozin/metformin)	Tablets: 50/500 mg, 50/1,000 mg, 150/500
	mg, 150/1,000 mg
Invokamet XR (canagliflozin/metformin)	Tablets: 50/500 mg, 50/1,000 mg, 150/500
	mg, 150/1,000 mg
Invokana (canagliflozin)	Tablets: 100 mg, 300 mg
Qtern (dapagliflozin/saxagliptin)	Tablet: 5/5 mg, 10/5 mg



Drug Name	Availability
Qternmet XR	Tablets: 2.5/2.5/1,000 mg, 5/2.5/1,000 mg,
(dapagliflozin/saxagliptin/metformin)	5/5/1000 mg, 10/5/1,000 mg
Steglujan (ertugliflozin/sitagliptin)	Tablets: 5/100 mg, 15/100 mg
Xigduo XR (dapagliflozin/metformin)	Tablets: 2.5/1,000 mg, 5/500 mg, 5/1,000
, , , , , , , , , , , , , , , , , , , ,	mg, 10/500 mg, 10/1,000 mg

VII. References

- 1. American Diabetes Association. Standards of medical care in diabetes—2020. Diabetes Care. 2020;43 (suppl 1): S1-S212. Updated June 5, 2020. Accessed October 22, 2020.
- 2. Farxiga Prescribing Information. Wilmington, DE: AstraZeneca Pharmaceuticals LP; May 2020. Available at: www.farxiga.com. Accessed October 28, 2020.
- 3. Qtern Prescribing Information. Wilmington, DE: AstraZeneca Pharmaceuticals LP; January 2020. Available at: www.qtern.com. Accessed October 27, 2020.
- Qternmet XR Prescribing Information. Wilmington, DE: AstraZeneca Pharmaceuticals LP; January 2020. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2019/210874s000lbl.pdf. Accessed October 27, 2020.
- 5. Xigduo XR Prescribing Information. Wilmington, DE: AstraZeneca Pharmaceuticals LP; January 2020. Available at: www.xigduoxr.com. Accessed October 28, 2020.
- 6. Invokana Prescribing Information. Titusville, NJ: Janssen Pharmaceuticals, Inc.; August 2020. Available at: www.invokana.com. Accessed October 28, 2020.
- 7. Invokamet/Invokamet XR Prescribing Information. Titusville, NJ: Janssen Pharmaceuticals, Inc.; August 2020. Available at: www.invokamet.com. Accessed October 28, 2020.
- 8. Jardiance Prescribing Information. Ridgefield, CT: Boehringer Ingelheim Pharmaceuticals, Inc.; January 2020. Available at: www.jardiance.com. Accessed October 28, 2020.
- 9. Glyxambi Prescribing Information. Ridgefield, CT: Boehringer Ingelheim Pharmaceuticals, Inc.; March 2020. Available at: www.glyxambi.com. Accessed October 27, 2020.
- 10. Synjardy Prescribing Information. Ridgefield, CT: Boehringer Ingelheim Pharmaceuticals, Inc.; January 2020. Available at: www.synjardy.com. Accessed October 28, 2020.
- 11. Synjardy XR Prescribing Information. Ridgefield, CT: Boehringer Ingelheim Pharmaceuticals, Inc.; January 2020. Available at: www.synjardyxr.com. Accessed October 28, 2020.
- 12. Trijardy XR Prescribing Information. Ridgefield, CT: Boehringer Ingelheim Pharmaceuticals, Inc.; January 2020. Available at: www.trijardy.com. Accessed October 27, 2020.
- 13. Steglatro Prescribing Information. Whitehouse Station, NJ: Merck & Co., Inc.; January 2020. Available at www.steglatro.com. Accessed October 28, 2020.
- 14. Segluromet Prescribing Information. Whitehouse Station, NJ: Merck & Co., Inc.; January 2020. Available at www.segluromet.com. Accessed October 28, 2020.
- 15. Steglujan Prescribing Information. Whitehouse Station, NJ: Merck & Co., Inc.; January 2020. Available at www.steglujan.com. Accessed October 28, 2020.
- 16. Garber AJ, Duncan TG, Goodman AM, et al. Efficacy of metformin in type II diabetes: results of a double-blind, placebo-controlled, dose-response trial. Am J Med. 1997; 102: 491-497.



- 17. Garber AJ, Handelsman Y, Grunberger G, et al. Consensus statement by the American Association of Clinical Endocrinologists and American College of Endocrinology on the comprehensive type 2 diabetes management algorithm 2020 executive summary. Endocr Pract. 2020; 26(1): 107-139.
- 18. Neal B, Perkovic V, Mahaffey KW, et al. Canagliflozin and Cardiovascular and Renal Events in Type 2 Diabetes. N Engl J Med 2017; 377:644-657. DOI: 10.1056/NEJMoa1611925
- 19. Zinman B, Wanner C, Lachin JM, et al. Empagliflozin, Cardiovascular Outcomes, and Mortality in Type 2 Diabetes. N Engl J Med 2015; 373:2117-2128. DOI:10.1056/NEJMoa1504720.
- 20. Yancy C, Jessup M, Bozkurt B, et al. 2017 ACC/AHA/HFSA Focused Update of the 2013 ACCF/AHA Guideline for the Management of Heart Failure. J Am Coll Cardiol. 2017 Aug, 70 (6) 776-803.

Reviews, Revisions, and Approvals	Date	P&T Approval Date
Renamed criteria from Invokana to SGLT2 inhibitors to reflect the added variety of products on the formulary and slight reformatting of the template. Clinical changes made to criteria: - Added FDA max dose criteria for each product. - For initial, modified trial of metformin to require doses at least 2,000 mg/day for 3 months (rather than 6 weeks) per ADA guidelines and adjusted approval duration to 6 months to allow for efficacy assessment. - For re-auth, added specific efficacy criteria; removed requirement for adherence.	12.16	02.17
Added age restriction as safety and efficacy have not been established in pediatric populations.	08.18.17	11.17
Removed requirement for diagnosis Removed requirement for A1C submission Changed requirement for Metformin trial to be for 3 months without mandating a specific dose Allow first line use for members with A1C >= 9% References reviewed and updated	11.07.17	02.18
No signicant changes: added requirement for the trial of Tradjenta for Glyxambi to align criteria with the requirement in the DPP-4 policy	07.09.18	
Per SDC: modified to reflect that all SGLT2 inhibitors now require PA (instead of ST); added diagnosis; removed re-direction to Tradjenta for Glyxambi; added re-direction to Steglatro/Segluromet for all agents (with exception for members with ASCVD requesting Jardiance).	09.19.18	
1Q 2019 annual review: removed Steglatro since it requires ST rather than PA; added exception for members with ASCVD requesting	10.29.18	02.19



Invokana per updated FDA indication; modified minimum A1c
related for concurrent use of metformin from 9% to 8.5% based on
2019 ADA guidelines; references reviewed and updated.
Per SDC, removed Segluromet as PA is no longer required. 10.23.19
1Q 2020 annual review: criteria added for Invokana's new FDA 12.03.19 02.20
indication: diabetic nephropathy; criteria added for Farxiga's new
FDA indication: reduction in risk of hospitalization due to HF in
patients with established cardiovascular disease or with multiple
cardiovascular risk factors; criteria added for Farxiga/Jardiance for
diabetic nephropathy and Invokana/Jardiance for HF as supported by
ADA guidelines and published data; criteria added for Invokana for
multiple cardiovascular risk factors as supported by CANVAS
Program trials; clarified that established cardiovascular disease can
mean ASCVD or HF; added Trijardy XR with re-direction to
Steglatro or Segluromet per SDC; references reviewed and updated
Modified references to parent products (Farxiga, Invokana, and 04.01.20
Jardiance) to allow formulary combination products (e.g.,
dapagliflozin-, canagliflozin-, and empagliflozin-containing
products) per previously approved clinical guidance and SDC
clarification.
Criteria added for Farxiga's new FDA indication: heart failure with 06.02.20 08.20
reduced ejection fraction.
Per September SDC and prior clinical guidance, for patients without 09.03.20
established CV disease, have risk factors for CV, or diabetic
nephropathy modified redirection to require an empagliflozin- and
ertugliflozin-containing products; added Invokamet XR, Qtern and
Qternmet XR to policy; added Steglujan and applied revised
Glyxambi and Trijardy XR redirection to require an empagliflozin,
ertugliflozin, or sitagliptin-containing product.
Per December SDC and prior clinical guidance, for Qtern and 12.15.20
Steglujan added specific redirection to Glyxambi or Trijardy XR,
removed Glyxambi and Trijardy XR from policy as prior
authorization is not required.
1Q 2021 annual review: no significant changes; removed lower limb 10.28.20 02.21
amputation boxed warning for canagliflozin from Appendix C per
updated PI; references reviewed and updated.

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



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