



Pharmacologic Agents for the Treatment of Congestive Heart Failure

SCAN Formulary Drugs

Medication	Daily Dosage	Max Dose	2023 Formulary Status		2024 Formulary Status		Adverse Drug Reactions
			Tier	UM	Tier	UM	
Angiotensin Converting Enzyme Inhibitors (ACEIs)							
<i>benazepril</i>	40 mg	80 mg/day	1		1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>captopril</i>	150 mg	150mg/day	1		1		Angioedema, cough, hyperkalemia, dizziness, headache, skin rash
<i>enalapril</i>	20 mg	40 mg/day	1		1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>fosinopril</i>	20 mg	40 mg/day	1		1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>lisinopril</i>	20 mg	40 mg/day	1		1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>moexipril</i>	7.5 - 30 mg	30 mg/day	1		1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>perindopril</i>	8 mg	16 mg/day	1		1		Angioedema, cough, hyperkalemia, dizziness, headache



<i>quinapril</i>	40 mg	40 mg/day	1		1	Angioedema, cough, hyperkalemia, dizziness, headache
<i>ramipril</i>	10mg	10 mg/day	1		1	Angioedema, cough, hyperkalemia, dizziness, headache
<i>trandolapril</i>	4 mg	4 mg/day	1		1	Angioedema, cough, hyperkalemia, dizziness, headache
Angiotensin II Receptor Blockers						
<i>candesartan</i>	4 – 32mg	32mg/day	2		2	Headache, dizziness, hyperkalemia, hypotension
<i>irbesartan</i>	150 mg	300 mg/day	1		1	Dizziness, fatigue, hyperkalemia, hypotension
<i>losartan</i>	25 - 100mg	100 mg/day	1		1	Dizziness, fatigue, hyperkalemia, hypotension
<i>olmesartan</i>	40 mg	40 mg/day	2		2	Dizziness, headaches, hyperkalemia, hypotension
<i>telmisartan</i>	40mg	80mg/day	2		2	Dizziness, headaches, hyperkalemia, hypotension
<i>valsartan</i>	160 mg	320 mg/day	1		1	Dizziness, fatigue, hyperkalemia, hypotension
Beta Blockers						
<i>bisoprolol</i>	5 - 10 mg	10 mg/day	2		2	Fatigue, insomnia, diarrhea, chest pain
<i>carvedilol</i>	6.25 - 50 mg	50-100 mg/day	1		1	Hypotension, dizziness, fatigue, bradycardia
<i>metoprolol er</i>	100 - 200 mg	200 mg/day	2		2	Dizziness, headache, fatigue, depression, bradycardia



Cardiovascular Agents, Other							
CORLANOR (<i>ivabradin</i>)	5-10 mg	15 mg/day	4		4		Bradycardia, hypertension, atrial fibrillation
<i>digoxin oral</i> *	0.125 mg Digoxin level monitoring required	0.125mg/day	2		2		Heart block, dizziness, mental disturbances, headache, nausea
ENTRESTO (<i>sacubitril/valsartan</i>)	49/51 mg - 97/103 mg BID	194/206 mg/day	3		6		Hypotension, angioedema
LANOXIN ORAL (<i>digoxin</i>)*	0.125 mg Lanoxin level monitoring required	0.125mg/day	3		3		Heart block, dizziness, mental disturbances, headache, nausea
<i>spironolactone/hctz</i>	25/25 mg	50/50 mg/day	1		1		Hyperkalemia, drowsiness, lethargy, mental confusion
<i>triamterene/hctz</i>	37.5/25 mg to 75/50 mg (1-2 tablets/capsules)	75/50 mg/day	1		1		Hyperkalemia, dizziness, fatigue, orthostatic hypotension
VERQUVO (<i>vericiguat</i>)	2.5-10 mg	10 mg/day	NF		4	[PA]	Hypotension, anemia
Diuretics							
<i>amiloride</i>	5 - 10 mg	20mg/day	2		2		Headache, fatigue, dizziness, hyperkalemia
<i>bumetanide</i>	0.5 - 10mg	10mg/day	2		2		Hypokalemia, hyperuricemia, azotemia, hyponatremia
<i>chlorthalidone</i>	12.5 - 25 mg	100 mg/day	1		1		Phototoxicity, hypokalemia, anorexia, dyspepsia
<i>eplerenone</i>	25 mg	50 mg/day	3		3		Hyperkalemia, dizziness, diarrhea, coughing, fatigue and flu-like symptoms



<i>furosemide (oral)</i>	20 - 80 mg	600 mg/day	1		1		Hypokalemia, hyperuricemia, dizziness, headache
<i>hydrochlorothiazide</i>	25 - 100 mg	200mg/day	1		1		Anorexia, dizziness, phototoxicity, hypotension
<i>indapamide</i>	2.5 mg	5 mg/day	1		1		Headache, dizziness, hyperuricemia
<i>metolazone</i>	2.5 - 10 mg	20 mg/day	2		2		Dizziness, muscle cramps, orthostatic hypotension
<i>spironolactone</i>	12.5 - 25 mg	50mg/day**	1		1		Hyperkalemia, drowsiness, lethargy, mental confusion
<i>torseamide</i>	10 - 20 mg	200 mg/day	2		2		Hypokalemia, hyperuricemia, azotemia, hyponatremia
SGLT2 Inhibitor (Sodium-Glucose Cotransporter 2)							
FARXIGA (<i>dapagliflozin</i>)	5 – 10 mg	10mg/day	3		6		Genital mycotic infections, nasopharyngitis, UTI, back pain, increased urination, nausea
JARDIANCE (<i>empagliflozin</i>)	10 – 25 mg	25mg/day	3		6		Urinary tract infections and female genital mycotic infections
Vasodilators							
<i>hydralazine</i>	75 mg	300 mg/day	2		2		Hypotension, palpitation, tachycardia, anorexia
<i>isosorbide dinitrate</i>	30 mg	120 mg/day	2		2		Headache, dizziness, orthostatic hypotension, syncope

*In heart failure, higher dosages associated with no additional benefit and may increase risk of toxicity; slow renal clearance may lead to risk of toxic effects. Limit use to no more than 0.125 mg of digoxin per day.

**Higher doses may occasionally be used with close monitoring.

Brand-name drugs are capitalized and generic drugs are listed in lower-case italics.

[NF] = Non-formulary [PA] = Prior Authorization



CHF Guideline References

1. 2021 Update to the 2017 ACC Expert Consensus Decision Pathway for Optimization of Heart Failure Treatment: Answers to 10 Pivotal Issues About Heart Failure With Reduced Ejection Fraction. *J Am Coll Cardiol.* 2021; 77(6):772-810. doi:10.1016/j.jacc.2020.11.022.
2. 2022 AHA/ACC/HFSA Guideline for the Management of Heart Failure: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines. *Circulation.* 2022; 145:e895–e1032. doi: 10.1161/cir.0000000000001063.
3. Drug Facts & Comparisons. (2023, Sept). Retrieved from www.online.factsandcomparisons.com. Wolters Kluwer Health: Deventer, The Netherlands.
4. Micromedex. (2023, Sept). Retrieved from <http://www.micromedexsolutions.com>. Truven Health Analytics Inc: New York, NY.
5. Online Lexicomp (2023, Sept): 1100 Terex Road, Hudson, OH 44236.
6. Drug information. In: UpToDate, Post, UpToDate, Waltham, MA, 2023.