



## Pharmacologic Agents for the Treatment of Congestive Heart Failure

### SCAN Formulary Drugs

Medication	Daily Dosage	Max Dose	2024 Formulary Status		2025 Formulary Status		Adverse Drug Reactions
			Tier	UM	Tier	UM	
<b>Angiotensin Converting Enzyme Inhibitors (ACEIs)</b>							
<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
<b>Angiotensin II Receptor Blockers</b>						
<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
<b>Beta Blockers</b>						
<i>bisoprolol</i>	5 - 10 mg	10 mg/day	2		2	Fatigue, insomnia, diarrhea, chest pain
<i>carvedilol tabs</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 TABS ( <i>ivabradine</i> )	5-10 mg	15 mg/day	4		4	[PA]	Bradycardia, hypertension, atrial fibrillation
<i>ivabradine tabs</i>	5-10 mg	15 mg/day	NF		4	[PA]	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 TABS ( <i>sacubitril/valsartan</i> )	49/51 mg - 97/103 mg BID	194/206 mg/day	6		3	[QL]	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	4	[PA]	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
<b>SGLT2 Inhibitor (Sodium-Glucose Cotransporter 2)</b>							
FARXIGA ( <i>dapagliflozin</i> )	5 – 10 mg	10mg/day	6		3	[QL]	Genital mycotic infections, nasopharyngitis, UTI, back pain, increased urination, nausea
JARDIANCE ( <i>empagliflozin</i> )	10 – 25 mg	25mg/day	6		3	[QL]	Urinary tract infections and female genital mycotic infections
<b>Vasodilators</b>							
<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      [QL] = Quantity Limit

R. Brower and N. Nguyen rev. 11/2012; R. Brower rev. 11/2013, 9/2014, 11/2015; D. Yoon rev 8/2016, 11/2016, 8/2017, 9/2018; K. Truong rev. 8/2019, 08/2020, 09/2021, 09/2022; S. Cho rev. 9/2023, 9/2024



## 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. (2024, Sept ). Retrieved from [www.online.factsandcomparisons.com](http://www.online.factsandcomparisons.com). Wolters Kluwer Health: Deventer, The Netherlands.
4. Micromedex. (2024, Sept). Retrieved from <http://www.micromedexsolutions.com>. Truven Health Analytics Inc: New York, NY.
5. Online Lexicomp (2024, Sept): 1100 Terex Road, Hudson, OH 44236.
6. Drug information. In: UpToDate, Post, UpToDate, Waltham, MA, 2023.