



Pharmacologic Agents for the Treatment of Congestive Heart Failure

SCAN Formulary Drugs

Medication	Daily Dosage	Max Dose	2020 Formulary Status		2021 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>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>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	[PA]	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 (<i>sacubitril/valsartan</i>)	49/51 mg - 97/103 mg BID	194/206 mg/day	3		3		Hypotension, angioedema
Lanoxin (oral)*	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
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>toremide</i>	10 - 20 mg	200 mg/day	2		2		Hypokalemia, hyperuricemia, azotemia, hyponatremia
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 [ST] = Step Therapy [PA] = Prior Authorization



CHF Guideline References

1. 2013 ACCF/AHA Guideline for the Management of Heart Failure: A Report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *J Am Coll Cardiol*. 2013; 128(16):e147-e239. doi:10.1016/j.jacc.2013.05.019.
2. Yancy, CW, et al. 2017 ACC/AHA/HFSA Focused Update of the 2013 ACCF/AHA Guideline for the Management of Heart Failure. *Journal of the American College of Cardiology* Apr 2017, 23682; DOI: 10.1016/j.jacc.2017.04.025
3. Drug Facts & Comparisons. (2020, Aug). Retrieved from www.online.factsandcomparisons.com. Wolters Kluwer Health: Deventer, The Netherlands.
4. Micromedex. (2020, Aug). Retrieved from <http://www.micromedexsolutions.com>. Truven Health Analytics Inc: New York, NY.
5. Online Lexicomp (2020, Aug): 1100 Terex Road, Hudson, OH 44236.
6. Drug information. In: UpToDate, Post, UpToDate, Waltham, MA, 2020.