



Pharmacologic Agents for the Treatment of Congestive Heart Failure

SCAN Formulary Drugs

Medication	Daily Dosage	Max Dose	2018 Formulary Status		2019 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 Receptor Blockers							
<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
<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
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							
<i>digoxin (oral)*</i>	0.125 mg Digoxin level monitoring required	0.125mg/day	2	[PA]	2	[PA]	Heart block, dizziness, mental disturbances, headache, nausea

Corlanor (<i>ivabradin</i>)	5-10 mg	15 mg/day	4	[PA]	4	[PA]	Bradycardia, hypertension, atrial fibrillation
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>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
<i>torseamide</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
Angiotensin Receptor-Neprilysin Inhibitors (ARNI)							
Entresto (<i>sacubitril/valsartan</i>)	49/51 mg - 97/103 mg BID	194/206 mg/day	4	[PA]	4	[PA]	Hypotension, angioedema

*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. (2018, Sept). Retrieved from www.online.factsandcomparisons.com. Wolters Kluwer Health: Deventer, The Netherlands.
4. Micromedex. (2018, Sept). Retrieved from <http://www.micromedexsolutions.com>. Truven Health Analytics Inc: New York, NY.
5. Online Lexicomp (2018, Sept): 1100 Terex Road, Hudson, OH 44236.
6. Drug information. In: UpToDate, Post, UpToDate, Waltham, MA, 2018.