



## Pharmacologic Agents for the Treatment of Congestive Heart Failure

### SCAN Formulary Drugs

Medication	Daily Dosage	Max Dose	2017 Formulary Status		Adverse Drug Reactions
			Tier	UM	
<b>Angiotensin Converting Enzyme Inhibitors (ACEIs)</b>					
<i>benazepril</i>	40 mg	80 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>captopril</i>	150 mg	150mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache, skin rash
<i>enalapril</i>	20 mg	40 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>fosinopril</i>	20 mg	40 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>lisinopril</i>	20 mg	40 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>moexipril</i>	7.5 - 30 mg	30 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>perindopril</i>	8 mg	16 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache



<i>quinapril</i>	40 mg	40 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>ramipril</i>	10mg	10 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache
<i>trandolapril</i>	4 mg	4 mg/day	1		Angioedema, cough, hyperkalemia, dizziness, headache
<b>Angiotensin Receptor Blockers</b>					
BENICAR ( <i>olmesartan</i> )	40 mg	40 mg/day	4	[ST]	Dizziness, headaches, hyperkalemia, hypotension
<i>valsartan</i>	160 mg	320 mg/day	1		Dizziness, fatigue, hyperkalemia, hypotension
<i>irbesartan</i>	150 mg	300 mg/day	1		Dizziness, fatigue, hyperkalemia, hypotension
<i>losartan</i>	25 - 100mg	100 mg/day	1		Dizziness, fatigue, hyperkalemia, hypotension
<b>Beta Blockers</b>					
<i>bisoprolol</i>	5 - 10 mg	10 mg/day	2		Fatigue, insomnia, diarrhea, chest pain
<i>carvedilol</i>	6.25 - 50 mg	50-100 mg/day	1		Hypotension, dizziness, fatigue, bradycardia
<i>metoprolol er</i>	100 - 200 mg	200 mg/day	2		Dizziness, headache, fatigue, depression, bradycardia
<b>Cardiovascular Agents, Other</b>					
<i>digoxin (oral)*</i>	0.125 mg Digoxin level monitoring required	0.125mg/day	2	[PA]	Heart block, dizziness, mental disturbances, headache, nausea



Corlanor ( <i>ivabradin</i> )	5-10 mg	15 mg/day	[NF]		Bradycardia, hypertension, atrial fibrillation
<b>Diuretics</b>					
<i>amiloride</i>	5 - 10 mg	20mg/day	2		Headache, fatigue, dizziness, hyperkalemia
<i>bumetanide</i>	0.5 - 10mg	10mg/day	2		Hypokalemia, hyperuricemia, azotemia, hyponatremia
<i>chlorthalidone</i>	12.5 - 25 mg	100 mg/day	1		Phototoxicity, hypokalemia, anorexia, dyspepsia
<i>eplerenone</i>	25 mg	50 mg/day	2		Hyperkalemia, dizziness, diarrhea, coughing, fatigue and flu-like symptoms
<i>furosemide (oral)</i>	20 - 80 mg	600 mg/day	1		Hypokalemia, hyperuricemia, dizziness, headache
<i>hydrochlorothiazide</i>	25 - 100 mg	200mg/day	1		Anorexia, dizziness, phototoxicity, hypotension
<i>indapamide</i>	2.5 mg	5 mg/day	1		Headache, dizziness, hyperuricemia
<i>metolazone</i>	2.5 - 10 mg	20 mg/day	2		Dizziness, muscle cramps, orthostatic hypotension
<i>spironolactone</i>	12.5 - 25 mg	50mg/day**	1		Hyperkalemia, drowsiness, lethargy, mental confusion
<i>spironolactone/hctz</i>	25/25 mg	50/50 mg/day	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		Hyperkalemia, dizziness, fatigue, orthostatic hypotension
<i>toremide</i>	10 - 20 mg	200 mg/day	2		Hypokalemia, hyperuricemia, azotemia, hyponatremia



<b>Vasodilators</b>					
<i>hydralazine</i>	75 mg	300 mg/day	2		Hypotension, palpitation, tachycardia, anorexia
<i>isosorbide dinitrate</i>	30 mg	120 mg/day	2		Headache, dizziness, orthostatic hypotension, syncope
<b>Angiotensin Receptor-Neprilysin Inhibitors (ARNI)</b>					
Entresto <i>(sacubitril/valsartan)</i>	49/51 mg - 97/103 mg BID	194/206 mg/day	[NF]		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.
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3. Drug Facts & Comparisons. (2015, Oct). Retrieved from [www.online.factsandcomparisons.com](http://www.online.factsandcomparisons.com). Wolters Kluwer Health: Deventer, The Netherlands.
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5. Online Lexicomp (2015, Pct): 1100 Terex Road, Hudson, OH 44236.
6. Drug information. In: UpToDate, Post, UpToDate, Waltham, MA, 2016.