



Pharmacologic Agents for the Treatment of Congestive Heart Failure

SCAN Formulary Drugs

Medication	Daily Dosage	Max Dose	2016 Formulary Status		2017 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



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			Tier	UM	Tier	UM	
<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							
BENICAR (<i>olmesartan</i>)	40 mg	40 mg/day	3	[ST]	4	[ST]	Dizziness, headaches, hyperkalemia, hypotension
<i>valsartan</i>	160 mg	320 mg/day	2		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



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			Tier	UM	Tier	UM	
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
<i>Corlanor (ivabradin)</i>	5-10 mg	15 mg/day	[NF]		[NF]		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	2		2		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
Diuretics cont.							
<i>metolazone</i>	2.5 - 10 mg	20 mg/day	2		2		Dizziness, muscle cramps, orthostatic hypotension



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			Tier	UM	Tier	UM	
<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-Nepriysin Inhibitors (ARNI)							
Entresto <i>(sacubitril/valsartan)</i>	49/51 mg - 97/103 mg BID	194/206 mg/day	[NF]		[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.
2. Yancy, CW, et al. 2016 ACC/AHA/HFSA Focused Update on New Pharmacological Therapy for Heart Failure: an Update of the 2013 ACCF/AHA Guideline for the Management of Heart Failure: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Heart Failure Society of America, *Journal of Cardiac Failure* (2016), <http://dx.doi.org/doi:10.1016/j.cardfail.2016.07.001>.
3. Drug Facts & Comparisons. (2015, Oct). Retrieved from www.online.factsandcomparisons.com. Wolters Kluwer Health: Deventer, The Netherlands.
4. Micromedex. (2015, Oct). Retrieved from <http://www.micromedexsolutions.com>. Truven Health Analytics Inc: New York, NY.
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6. Drug information. In: UpToDate, Post, UpToDate, Waltham, MA, 2016.