

Follow the directions on the Medication Card. Must be handwritten.

Classification:	Antihypertensive
- Sub-Class:	Ace Inhibitor (-pril) Angiotensin Receptor Blockers (-sartan) Beta Blocker (-lol) Calcium Channel Blocker (-pine)
Generic / Brand Name:	captopril (Capoten), enalapril (Vasotec), lisinopril (Prinivil, Zestril) losartan (Cozaar), Olmesartan (Benicar), valsartan (Diovan) atenolol (Tenormin), metoprolol (Lopressor), propranolol (Inderal), carvedilol (Coreg) amlodipine (Norvasc), nifedipine (Procardia), nifedipine (Procardia), nifedipine (Procardia), nifedipine (Procardia), nifedipine (Procardia) amlodipine (Norvasc), nifedipine (Procardia), nifedipine (Procardia), nifedipine (Procardia), nifedipine (Procardia) (Cardene), verapamil (Isoptin), diltiazem (Cardizem)
Action:	relax blood vessels by blocking an enzyme, lowering blood pressure, reducing the heart's workload, and improving blood flow. Blocks the hormone angiotensin II from binding to its receptors on blood vessels, preventing blood vessels from constricting (narrowing) and causing them to relax and widen (dilate), which lowers blood pressure and reduces the heart's workload. Blocks adrenaline (epinephrine) and noradrenaline (norepinephrine) from binding to beta receptors in the heart and blood vessels, slowing the heart rate, reducing the force of contractions, and relaxing blood vessels to lower blood pressure and decrease the heart's oxygen demand. Blocks calcium channels, reducing calcium entry into heart and blood vessel cells, which relaxes muscles, dilates arteries, slows heart rate, and decreases contractility, effectively lowering blood pressure, reducing the body's demand for oxygen, and improving blood flow.
Indications:	Hypertension, heart failure, post-heart attack recovery, and chronic kidney disease (especially diabetes) Hypertension, heart failure, and diabetic kidney disease Hypertension, heart failure, post-heart attack, managing arrhythmias, reduce the heart's workload. Also used for migraines, tremors, glaucoma, hyperthyroidism, and anxiety. Hypertension, angina, arrhythmias, and reducing the heart's workload. Also used for certain migraines.
Contraindications:	Pregnancy (-prils), severe hypotension, heart rate less than 60 bpm (-Lols)
Side Effects:	Ace Inhibitors - watch for angioedema, hyperkalemia, hypotension, bradycardia (-Lols)
Nursing Considerations:	Have a baseline blood pressure & heart rate, monitor adherence
Teaching:	Monitor blood pressure, avoid alcohol, lifestyle modification, smoking cessation, exercise

Beta-blocker

Metoprolol Brand: Betaloc, Lopressor, Toprol XL (D, ER), IV

Classification: Beta-1 adrenergic blocker, antianginal anti-hypertensive. Action: Slows heart rate, decreases cardiac output, reduces BP. Decreases myocardial ischemia severity.

Uses: Tx. to reduce mortality or hospitalization in pts. w/ heart failure or hypertension. Contraindications: Cardiogenic shock, bronchospastic disease, renal impairment, PVD, hypotension, DM, inadequate cardiac function. Side effects: Diminished sexual function, drowsiness, insomnia, hump, uti, and diaphoresis, headache, palpitations, Considerations/Teachings:

Assess baseline renal/hepatic function tests. Assess BP apical pulse immediately before administration. Do not abruptly stop taking medication. If dose is missed take next scheduled dose (Don't double dose) Do not use OTC cold medication ^{without} approval.

ACE Inhibitors (-pril)

Antihypertensive

Generic/Brand: (Lisinopril (Zestrin), Enoxapril (Vasotec).

Lisinopril (Prinivil, Zestrin)

Action/Use: ↓ angiotensin, ↓ vaso constriction, ↓ aldosterone, ↓ BP

↑ blood flow to kidneys, HTN, HF, Post MI, kidney protection

Contraindications: Pregnancy, Hx angioedema, hyperkalemia, bilateral renal artery stenosis, severe hypotension, ACl, severe HF

Common side effects: Dry, persistent cough, hypotension, hyperkalemia GI effects, dizziness/fatigue

Considerations: Check BP, baseline labs, assess volume status, rule out pregnancy

Teaching: check BP regularly, DO NOT stop med w/ talking to provider; do not use salt substitutes, avoid potassium supplements do not take while pregnant; routine lab work

ACE - Alert for Cough & Edema