

Medications

	Aspirin	Epinephrine	Naloxone	Nitroglycerin
Age	19 +	No restriction	No restriction	18 +
Indication	<ul style="list-style-type: none"> • Antiplatelet • For patients experiencing chest pain/discomfort of cardiac origin. 	<ul style="list-style-type: none"> • Signs + symptoms of anaphylaxis • Airway compromise • Respiratory distress/arrest • Shock 	<ul style="list-style-type: none"> • Patients with respiratory depression or arrest secondary to known or suspected opiate overdose 	<ul style="list-style-type: none"> • Vasodilators • For patients experiencing chest pain/discomfort of cardiac origin.
Contraindications	<ul style="list-style-type: none"> • Hypersensitivity / allergy • Max dose taken in the past 24 hours (325 mg) • Bleeding or active bleeding disorder • AAA • ASA is expired 	<ul style="list-style-type: none"> • None in a life threatening anaphylaxis reaction. • Medication is discolored, cloudy, or expired. 	<ul style="list-style-type: none"> • Allergy • Medication is discolored, cloudy, or expired. • Use cautiously with head trauma, poly substance overdose, brain tumor, cardiac disease, and supraventricular arrhythmia 	<ul style="list-style-type: none"> • 3 doses within 15 minutes prior to or during this episode • Systolic BP <100 • Recent head injury • Erectile dysfunction drugs in last 72 hours
Adverse Effects	<ul style="list-style-type: none"> • Nausea • Vomiting • Anaphylaxis • Bleeding • Angioedema • Stomach irritation 	<ul style="list-style-type: none"> • Anxiety • Headache • Tremors • Nausea/vomiting • Chest pain • Hypertension • Cardiac arrhythmias 	<ul style="list-style-type: none"> • Agitation/Combative • Diaphoresis • Hypertension • Tachycardia • Cardiac arrest/V-FIB • Seizures • Dyspnea • Pulmonary edema 	<ul style="list-style-type: none"> • Headache • Cardiovascular collapse • Lightheaded • Methemoglobinemia • Bradycardia • Flushing • Hypotension

TABLE 12-3 The “Rights” of Medication Administration

Right patient
Right medication and indication
Right dose
Right route
Right time
Right education
Right to refuse
Right response and evaluation
Right documentation

- **Right Patient:** Ensure the medication is prescribed to the patient.
- **Right Medication + Indication:** Verify the medication, indication, and eliminate any contradictions.
- **Right Dose:** Verify the form and dose.
- **Right Route:** Verify the route.
- **Right Time:** Check the expiration date and condition of the medication. After administering the medication, reassess the patient for adverse effects and recheck vitals at least every 5 minutes.
- **Right Education:** Inform the patient of the medication and ask if they have an allergy to any medications.
- **Right to Refuse:** Patient's with decision-making capacities can refuse.
- **Right Response:** Monitor vital signs, mental status, signs of perfusion, and respiratory effort after medication administration.
- **Right Documentation:** Document all actions and the patient's responses. this includes the time of administration, the name + dose, and route of administration. Record their reactions after administration.

Commonly Prescribed Medications

TABLE 12-6 Commonly Prescribed Medications in the United States

Generic Name (Trade Name)	Use
alprazolam (Xanax)	Treats anxiety disorders
amlodipine (Norvasc)	Treats high blood pressure or cardiac conditions
amoxicillin (Moxatag)	Treats infection caused by bacteria
aripiprazole (Abilify)	Treats psychosis, depression
atenolol (Tenormin)	Beta blocker; treats hypertension
atorvastatin (Lipitor)	Treats high cholesterol
azithromycin (Zithromax)	Treats infection caused by bacteria
buprenorphine and naloxone (Suboxone)	Prescribed to prevent opioid withdrawal
bupropion (Wellbutrin; Zyban)	Treats depression; also used for smoking cessation
celecoxib (Celebrex)	Treats pain
citalopram hydrobromide (Celexa)	Treats depression
donepezil HCl (Aricept)	Treats dementia
duloxetine (Cymbalta)	Treats depression and anxiety disorders
escitalopram (Lexapro)	Treats depression and anxiety
esomeprazole (Nexium)	Treats gastric reflux, heartburn
etanercept (Enbrel)	Treats rheumatoid arthritis
furosemide (Lasix)	Diuretic; treats hypertension, heart failure
gabapentin (Neurontin)	Treats seizures and nerve pain
metformin (Glucophage)	Treats diabetes
hydrochlorothiazide (Microzide)	Beta blocker; treats hypertension, heart failure
hydrocodone (Vicodin)	Narcotic analgesic; pain reliever
insulin glargine (Lantus)	Medicine used to treat diabetes that is administered subcutaneously
levetiracetam (Keppra)	Treats seizures
levothyroxine (Synthroid)	Treats hypothyroidism
lisinopril (Zestril)	Angiotensin-converting enzyme (ACE) inhibitor; treats hypertension
loratadine (Claritin)	Antihistamine
losartan (Cozaar)	Angiotensin receptor blocker; treats hypertension
metoprolol (Lopressor)	Beta blocker, treats hypertension, heart failure
montelukast (Singulair)	Treats asthma
olanzapine (Zyprexa)	Treats schizophrenia and bipolar disorder
omeprazole (Prilosec)	Treats gastric reflux, heartburn
oxycodone (Oxycontin; also known as Percocet when combined with acetaminophen)	Treats pain (analgesic)
pantoprazole (Protonix)	Reduces stomach acid
phenytoin (Dilantin)	Treats seizures
rosuvastatin (Crestor)	Treats high cholesterol
salmeterol (Advair)	Inhaled glucocorticoid and long-acting beta-2 agonist; prevents asthma attacks, COPD
sertraline HCl (Zoloft)	Treats depression
simvastatin (Zocor)	Treats high cholesterol
tamsulosin (Flomax)	Treat urinary disorders related to an enlarged prostate
triamcinolone acetonide (Nasacort)	Treats inflammatory conditions
valsartan (Diovan)	Treats high blood pressure and congestive heart failure
varenicline (Chantix)	Used for smoking cessation
zolpidem (Ambien)	Treats insomnia

TABLE 12-5 Common Antiplatelet and Anticoagulant Medications

Antiplatelet Medications	Anticoagulant Medications
aspirin	enoxaparin (Lovenox); injectable medication given to patients in their homes
clopidogrel (Plavix)	apixaban (Eliquis)
prasugrel (Effient)	betrixaban (Bevyxxa)
ticagrelor (Brilinta)	dabigatran (Pradaxa)
vorapaxar (Zontivity)	edoxaban (Savaysa)
	rivaroxaban (Xarelto)