

List of Emergency Medications

Medication	Use	Dose (Adult)
Adrenaline (Epinephrine)	Anaphylaxis, Cardiac arrest, Asthma	1 mg IV/IO every 3-5 minutes for cardiac arrest; 0.3-0.5 mg IM for anaphylaxis
Amiodarone	Ventricular arrhythmias, Cardiac arrest	300 mg IV bolus for cardiac arrest, followed by 150 mg IV after 3-5 minutes
Aspirin	Acute myocardial infarction, Stroke, Pain relief	160-325 mg orally (chewable) for heart attack or stroke
Atropine	Bradycardia, Organophosphate poisoning	1 mg IV every 3-5 minutes as needed, max 3 mg
Benzodiazepines (Lorazepam, Diazepam)	Seizures, Anxiety, Sedation	Lorazepam: 4 mg IV for seizures; Diazepam: 5-10 mg IV for seizures
Calcium Gluconate	Hypocalcemia, Hyperkalemia, Calcium channel blocker overdose	1-2g IV over 5-10 minutes for hyperkalemia or overdose
Dextrose (D50W)	Hypoglycemia	25g IV push (50 mL of D50W)
Diphenhydramine	Allergic reactions, Anaphylaxis, Insomnia	25-50 mg orally or IV every 4-6 hours as needed
Esmolol	Tachycardia, Atrial fibrillation, Hypertension	500 mcg/kg IV bolus followed by infusion of 50-150 mcg/kg/min
Furosemide (Lasix)	Pulmonary edema, CHF, Hypertension	20-40 mg IV push for acute pulmonary edema, may repeat as needed

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Glucagon	Hypoglycemia (non-responsive), Beta-blocker overdose	1 mg IM for hypoglycemia, 3-10 mg IV for beta-blocker overdose
Ipratropium (Atrovent)	Asthma, COPD exacerbation	0.5 mg nebulized every 20 minutes x 3 doses, then as needed
Lidocaine	Local anesthesia, Ventricular arrhythmias	1-1.5 mg/kg IV bolus for arrhythmias, or as topical anesthesia
Magnesium Sulfate	Eclampsia, Torsades de pointes, Asthma	4-6g IV over 15-20 minutes for eclampsia or torsades, 2g IV for asthma
Methylprednisolone (Solu-Medrol)	Severe inflammation, Asthma, Allergic reactions	125-250 mg IV for severe allergic reactions or inflammation
Naloxone (Narcan)	Opioid overdose	0.4-2 mg IV, IM, or subcutaneously every 2-3 minutes until reversal of effects
Nitroglycerin	Chest pain (angina), Acute myocardial infarction	0.3-0.6 mg sublingual every 5 minutes as needed for chest pain (max 3 doses)
Norepinephrine (Levophed)	Septic shock, Hypotension	0.01-0.1 mcg/kg/min IV infusion
Ondansetron (Zofran)	Nausea, Vomiting	4-8 mg IV every 8 hours as needed
Procainamide	Ventricular arrhythmias	20 mg/min IV infusion until arrhythmia resolves or side effects occur
Rocuronium	Muscle relaxation (intubation)	0.6-1.2 mg/kg IV for intubation

Medication	Use	Dose (Adult)
Sodium Bicarbonate	Metabolic acidosis, Cardiac arrest, TCA overdose	1 mEq/kg IV push for metabolic acidosis or overdose
Tranexamic Acid (TXA)	Trauma, Bleeding disorders	1g IV over 10 minutes, followed by 1g IV over 8 hours (for trauma bleeding)
Terlipressin	Esophageal variceal bleeding	2 mg IV every 4-6 hours for bleeding
Vitamin K	Warfarin overdose, Bleeding	10-20 mg IV (slow infusion) for warfarin reversal
Vasopressin	Vasodilatory shock, Cardiac arrest	40 units IV as a one-time dose for cardiac arrest or shock
Enoxaparin	Anticoagulation (DVT, PE, ACS)	1 mg/kg SC every 12 hours for DVT/PE
Clopidogrel	Antiplatelet therapy (MI, Stroke)	300-600 mg orally once for MI or stroke
Metoprolol	Hypertension, Acute MI, Tachycardia	5 mg IV every 2-5 minutes up to 3 doses
Hydrocortisone	Adrenal insufficiency, Allergic reactions	100 mg IV every 6-8 hours
Ketamine	Sedation, Pain management, Status epilepticus	1-2 mg/kg IV for sedation or intubation
Dantrolene	Malignant hyperthermia, Neuroleptic malignant syndrome	2.5 mg/kg IV bolus, repeat every 5-10 minutes up to 10 mg/kg
Diphenhydramine	Allergic reactions, Insomnia	25-50 mg orally or IV every 4-6 hours as needed
Bumetanide	Pulmonary edema, Edema	0.5-1 mg IV bolus, may repeat in 1-2 hours

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Flumazenil	Benzodiazepine overdose	0.2 mg IV every 1 minute, max 3 mg
Verapamil	Atrial fibrillation, Supraventricular tachycardia	2.5-5 mg IV bolus over 2 minutes, repeat every 15-30 minutes
Sodium Nitroprusside	Hypertensive crisis, Cardiac failure	0.3-0.5 mcg/kg/min IV infusion
Magnesium Sulfate	Eclampsia, Torsades de pointes, Asthma	4-6g IV over 15-20 minutes for eclampsia or torsades, 2g IV for asthma
Trazodone	Insomnia, Sedation	25-100 mg orally at bedtime
Ranitidine	GERD, Peptic ulcer disease	50 mg IV every 6-8 hours
Ceftriaxone	Infection (pneumonia, sepsis)	1-2 g IV every 12-24 hours
Ciprofloxacin	Infection (UTI, respiratory infections)	400 mg IV every 12 hours
Vancomycin	Severe infections (MRSA, pneumonia)	15 mg/kg IV every 12 hours
Levofloxacin	Pneumonia, UTI, Skin infections	500 mg IV every 24 hours
Loperamide	Diarrhea	4 mg initially, then 2 mg after each loose stool
Nitroprusside	Hypertensive emergency, Cardiogenic shock	0.3 mcg/kg/min IV infusion
Fentanyl	Pain management, Sedation	25-100 mcg IV every hour as needed for pain
Oxytocin	Postpartum hemorrhage	10-40 units IV in 1L saline, titrate to effect

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Albuterol	Asthma, COPD exacerbation	2.5 mg nebulized every 20 minutes x 3 doses
Mannitol	Increased intracranial pressure, Renal protection	0.25-1 g/kg IV as a bolus
Cefazolin	Preoperative antibiotic (surgical prophylaxis)	1-2 g IV every 8 hours
Pancuronium	Muscle paralysis (intubation)	0.06-0.1 mg/kg IV
Propranolol	Hypertension, Anxiety, Arrhythmias	1-3 mg IV bolus, repeat every 2 minutes
Ticagrelor	ACS, Stroke, Prevention of thrombotic events	180 mg orally as a loading dose, followed by 90 mg twice daily
Hydroxycobalamin	Cyanide poisoning	5g IV over 15 minutes, repeat after 30 minutes if needed
Aminocaproic Acid	Bleeding (post-surgical, trauma)	5g IV bolus, then 1g/hr IV infusion
Ketorolac	Pain relief (moderate to severe)	30 mg IV every 6 hours, max 5 days
Erythromycin	Infection (pneumonia, skin infections)	250 mg IV every 6 hours
Dexamethasone	Severe inflammation, Allergic reactions, Edema	10 mg IV initially, then 4 mg every 6 hours
Terbutaline	Asthma, Preterm labor (tocolysis)	0.25 mg SC every 20 minutes for up to 3 doses
Desmopressin	Hemophilia, von Willebrand disease	0.3 mcg/kg IV or SC once or repeated every 12-24 hours

Medication	Use	Dose (Adult)
Diphenoxylate/Atropine	Diarrhea	2.5 mg diphenoxylate + 0.025 mg atropine every 6-8 hours
Rivaroxaban	Anticoagulation (DVT, PE, AF)	15 mg orally twice daily for 21 days, then 20 mg daily