

# Morphine Sulfate

## Formulary

Douglas County Kansas EMS System

March 2021

**Approved Provider:** Paramedic

**Referenced Protocols:** [Pain/Anxiety Management](#)

Dosing and Administration	
<b>ADULT Medications:</b> <ul style="list-style-type: none"><li><b>Analgesia:</b> 2-4 mg IV/IO/IM, q 5 min (max 10 mg)</li></ul>	<b>PEDIATRIC Medications:</b> Refer to HandTevy <ul style="list-style-type: none"><li><b>Analgesia:</b> 0.1 mg/kg IV/IO/IM, q 5 min (max 10 mg)</li></ul>

### **Pharmacology and Actions:**

- Acts as an opiate agonist
- Alters the patient's perception of pain and acts as an analgesic by stimulating opiate receptor sites
- Produces venous vasodilatation

### **Indications:**

- For the treatment of pain and anxiety associated with AMI
- Useful to relieve pain associated with burns and isolated trauma
- As an adjunct in the treatment of pulmonary edema

### **Contraindications:**

- Respiratory distress or compromise (Asthma or COPD)
- Altered mental status
- Sensitivity/allergy to Morphine
- Hypotension and suspected shock

### **Precautions:**

- This drug causes decreased respiratory drive, and as such should only be given while monitoring pulse oximetry and closely monitoring respiratory status
- Pregnancy
- Drug/alcohol intoxication
- Age less than 12 months
- Stimulates Vomiting

### **Administration:**

- For specific doses, refer to applicable protocol
- May be administered IV only

### **Side Effects:**

- CNS- Depression, Convulsions in children
- CV- Bradycardia, Decrease Blood pressure
- Respiratory- Depression, Wheezing
- G/I- Nausea/Vomiting