

# Kittitas County Prehospital EMS Protocols

**SUBJECT: MORPHINE SULFATE**

**ACTION:**

CNS depressant, causes peripheral vasodilation, and decreases pain.

**INDICATIONS:**

Severe pain, pulmonary edema, isolated extremity fracture, and kidney stones

**CONTRAINDICATIONS:**

Head injury, volume depletion, patient with hypersensitivity, hypotension, and altered mental status.

**PRECAUTIONS:**

Respiratory depression (Narcan should be available), hypotension and nausea.

Note: Narcan does not always reverse hypotension caused by narcotic administration.

**SIDE EFFECTS:**

Dizziness, altered level of consciousness, potential hypotension, and respiratory depression.

**DOSAGE:**

**Cardiac Pain Management-**

IV: 2-5 mg followed by 2 mg until pain is relieved or respiratory depression ensues.

**Non-Cardiac Pain Management-**

IV: Initial dose is 0.1 mg/kg may repeat one-half the initial dose every 5-10 minutes.

**Sedation Management-**

IV: 2 mg/IV if BP is >100 systolic. Check BP after 5 minutes. If BP is >100 systolic repeat 2 mg/IV dose. The 2 mg dose IV may be repeated q 5 minutes up to 0.1mg/kg checking BP before each administration.

Note: Check blood pressure every 5-10 minutes after administering dosage or sooner if indicated by symptoms.

**ROUTE:**

IV / IO / IM

**PEDIATRIC DOSE:**

0.1 mg/kg via IV up to 5 mg.