**Class and Action:** Opioid Analgesic; combines with receptor sites in the brain to produce potent analgesic effects.

**Indications:** Severe pain, sedation prior to medical procedures

**Contraindications:** Hypersensitivity to opioids, respiratory depression, myasthenia gravis.

**Side Effects:** Nausea/Vomiting, respiratory depression, bradycardia, hypo/hypertension

**Drug Interactions:** Maybe enhanced with other CNS depressants or muscle relaxants

**Onset, Duration, and Routes:** Onset is 7-8 minutes with a duration or 0.5-1 hour. Administration routes include IV, IO, IM, and IN.

**Adult Dose:**
- Analgesic: IM 1.0 mcg/kg Max single dose 100 mcg
- IV/IO 0.5 - 1.0 mcg/kg Max single dose 100 mcg
- 911 - Repeat every 15 minutes x2 as needed
- Interfacility - Repeat every 15 minutes as needed
- Infusion (Interfacility Only) 0.5 - 2.0 mcg/kg/hr
- **I2. Fentanyl Infusion**
- Intubation: 1.0 mcg/kg IV/IO

**Pediatric Dose:**
- Analgesic: IN 2.0 mcg/kg Max single dose 100 mcg
- IV/IO 0.5 - 1.0 mcg/kg Max single dose 100 mcg
- 911 - Repeat every 15 minutes x2 as needed
- Interfacility - Repeat every 15 minutes as needed
- Infusion (Interfacility Only) 0.5 - 2.0 mcg/kg/hr
- **I2. Fentanyl Infusion**
- Intubation: 1.0 mcg/kg IV/IO

**WDM EMS Protocols:**
- A1. Advanced Airway Analgesic/Sedation
- A2. Analgesic
- E4. Medication Assisted Airway
- I2. Fentanyl Infusion

**Special Considerations:**
- Use with caution in small, young, chronically ill, and elderly. Consider reducing the initial/subsequent doses in these patients.