



El Dorado County Emergency Medical Services Agency

Quick Reference

Revised Date: July 1, 2020

Medication Profile

Fentanyl (Sublimaze)

Class:

Opioid analgesic/synthetic opioid agonist

Action:

Analgesic with short duration of action.

Onset: IV/IN 1-2 minutes
IM 7-8 minutes

Peak: IV/IN 5-minutes
IM 10-12 minutes

Duration: 0.5-1 hour

Adult Administration:

Consider smaller dose (25mcg) for smaller or elderly patients

- 50mcg IV/IO slow push over 2 minutes, May repeat every 5 minutes (Max cumulative dose 200mcg)
- 50mcg IN/IM
 - 25mcg (0.5mL) per nostril

Pediatric Administration:

Contact base for patients less than 2 years of age

Contact base for cumulative dosing over 200mcg

- 1mcg/kg IV/IO (Max 50mcg) slow IV push over 2 minutes. May repeat every 5 minutes (Max cumulative dose 200mcg)
- 1mcg/kg IN (Max 50mcg). May repeat every 5 minutes (Max cumulative dose 200mcg)
 - IN dosing= ½ dose per nostril
- 1mcg/kg IM

Indications:

- Moderate to severe pain
- Transcutaneous pacing

Contraindications:

- Use with caution:
 - Hypertension
 - Hypotension
 - Increased ICP
 - Elderly patients
 - Hypersensitivity to drug

Side Effects:

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This document is not a substitute for Protocols and Procedures.

Effective Date: September 1, 2020

CV: Bradycardia

RESP: Respiratory depression

Pregnancy:

Category C

Notes:

- Monitor blood pressure, respirations, and mental status carefully.
- Use with caution with multi-system trauma and patients in whom respiratory depression should be avoided (SOB, COPD).
- May be administered in addition to Acetaminophen/Ketorolac for patients in severe pain.