

# Emergency Department Buprenorphine Inductions

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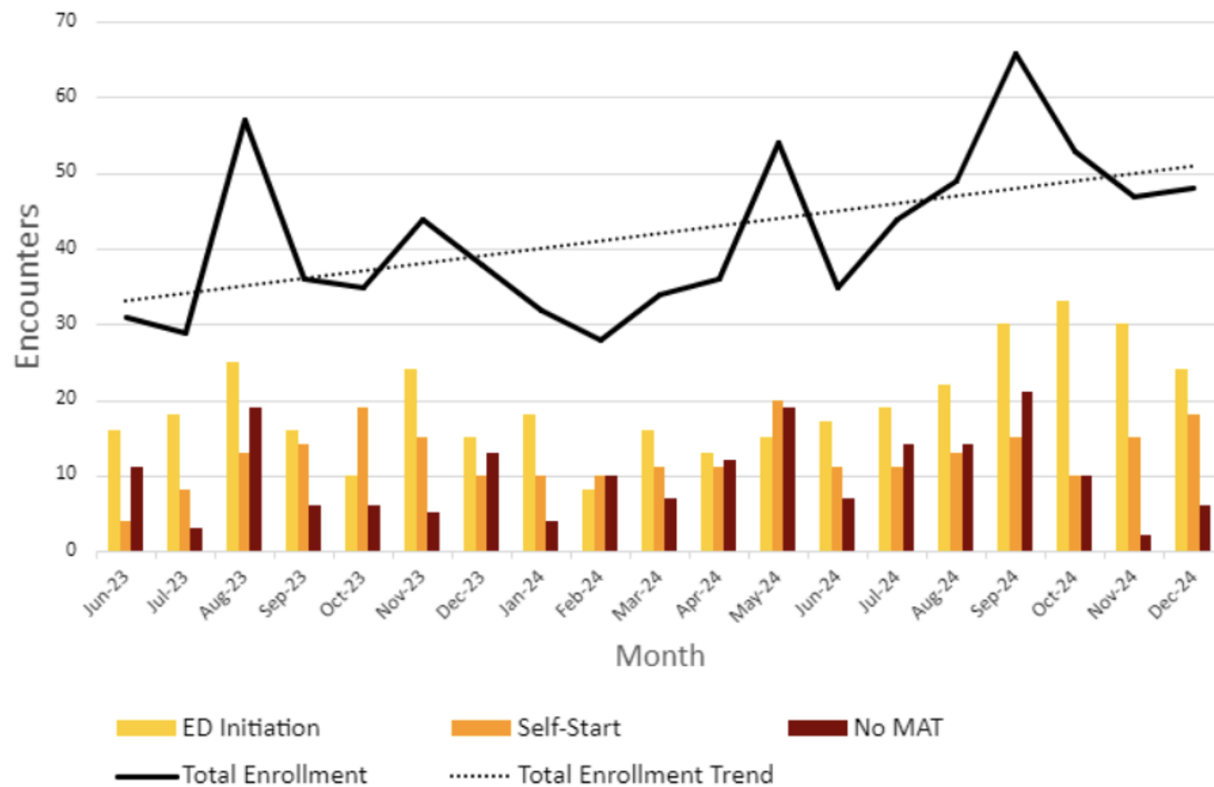
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# University of Minnesota Medical Center West Bank Emergency Department Buprenorphine Starts

First Step Encounters by Month



**>75% OUD pts exposed to Substance Use Navigator accepted SL BUP**

- Administered +/- dispensed BUP upon discharge
- **CA Bridge ED Quick Start Protocol**; Fairview Health System-Wide Epic Order Set (“ED Opioid Withdrawal”)
- Low rate of true Precipitated Withdrawal (~1%)

**394 2<sup>nd</sup> Gen LAI BUP (Brixadi) administrations since July ‘24**

- UMMC West Bank ED
- Riverside Recovery Clinic (walk-in)
- Low rate of true Precipitated Withdrawal (~1%)

**Implementation of a new 3 Pathway ED DTI Model**

- No-to-Low W/D: (COWS < 4) → 8mg LAI, f/u in 1-3d
- Mild W/D: (COWS 4-8\*) → 24mg LAI, f/u in 1-5d + SL\*\*
- Mod-to-Severe W/D: (COWS > 8\*) → 24-32mg LAI + SL

# **U of M ECHO ‘Superhub’ | Bridge Training & Evaluation**

## **Opioid Prevention & Treatment Research Network (CDC)**

- Regions ED & HealthPartners | Multi-Site Implementation Study (MN, PA, WI, AZ)
- ‘Model Fidelity’ — BUP administrations; follow up rates;  $\Delta$  utilization & readmissions
- Bridge Foundations & Ongoing Technical Assistance; Interdisciplinary Participants

## **Minneapolis Bridge Advanced MOUD (MPLS Health Dept)**

- FQHCs, Mobile Medical Unit, Street Medicine, OB/GYN
- Community Navigator Co-design & Implementation
- Brixadi Stabilization System ; OD death hot-spots

# Best Practice – High Dose ED Buprenorphine SL Induction:

*higher potency synthetic opioids = increased neurobiological tolerance & dependence = need dosage adjustments*

## High Dose Buprenorphine SL Value & Impact

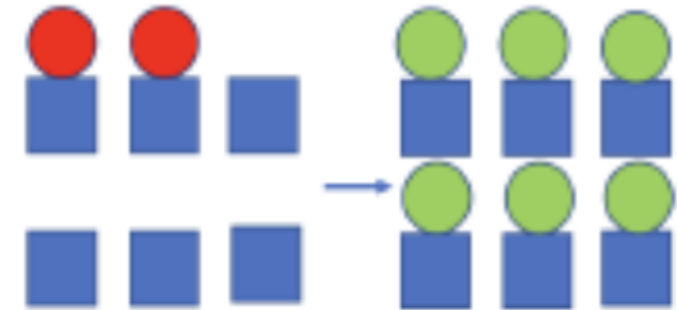
- \* >16mg initiation → superior retention in treatment (>6mos)
- \* >16mg Rx in first 30d improves OD mortality by 64%, vs 8mg


## Common Provider Pitfalls re: High Dose Bup SL Induction


- \* undertreatment of patient's OUD withdrawal syndrome
- \* inordinate fears re: Precipitated Withdrawal (~1%)(treatable)

Mod/severe  
withdrawal

Normalization

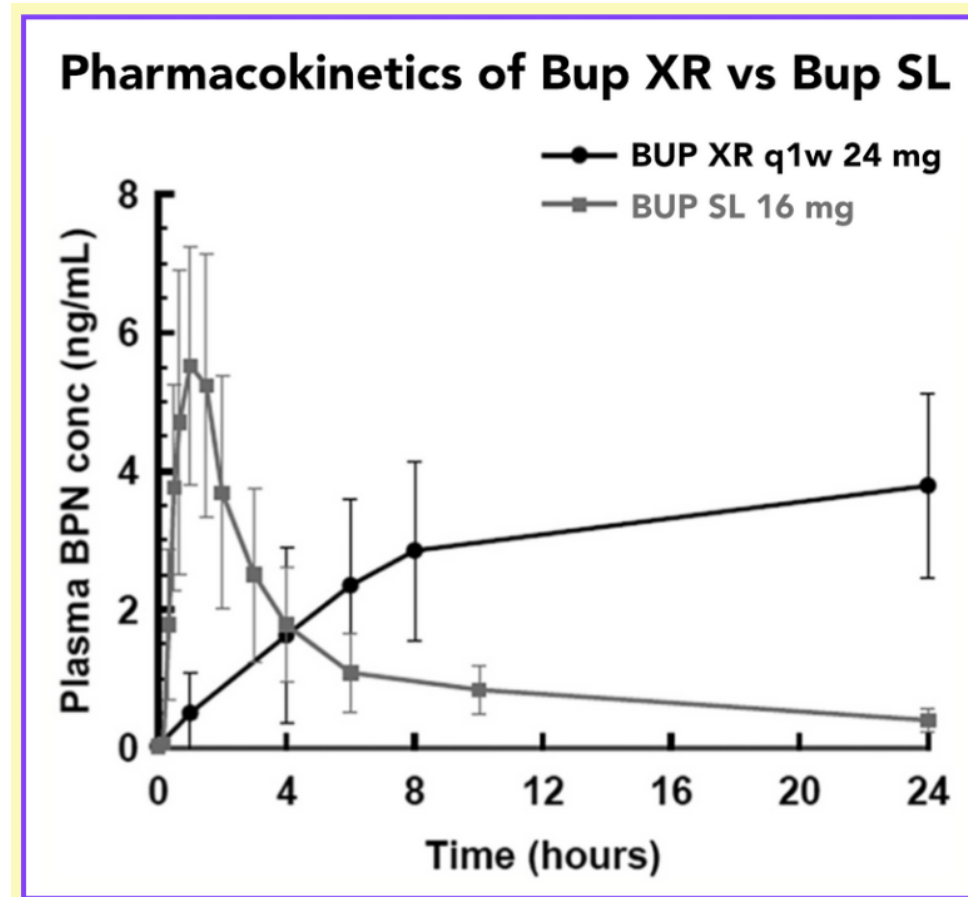


 = mu-opioid receptor

 = fentanyl

 = buprenorphine

## 2<sup>nd</sup> Gen BUP XR has a SLOWER Onset vs BUP SL



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