



Problem

There is currently no standardized procedure to appropriately manage acute pain in patients on home dose buprenorphine

Background

- In 2016, about 2.1 million patients were diagnosed with opioid misuse in the United States¹
- 2 out of 3 drug related deaths in the US is attributed to opioid misuse¹
- Long term consequences include the inability to thrive in society, tolerance to pain medications, and risk of withdrawal effects¹
- Correlation between opioid misuse and presenting to the hospital with traumatic or acute pain¹
- Buprenorphine's unique mechanism of action can lead to inadequate pain management strategies^{2,3}

Study Design

- **Design:** A retrospective study of patient charts between March 29, 2015 to July 31, 2021 with an active prior to admission (PTA) buprenorphine prescription
- Inclusion Criteria:
 - Admitted to a Lifespan hospital for > 24 hours
 - Had an active buprenorphine product on home medication list
 - Received an analgesic while hospitalized
- **Question**: How does the inpatient handling of a patient's home buprenorphine affect their inpatient opioid use and pain scores?
- **Primary Outcome**: MME/day utilized during a patient encounter based on dosing strategies during patient encounter (continued, held, reduced)

Dosing Strategy Criteria (% of home buprenorphine dose)		
Held	Reduced	Continued
<25%	≥25% to ≤75%	>75%

Development of an inpatient protocol for management of patients who take buprenorphine prior to admission

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