

Colorado Opioid Safety Pilot Results Revealed



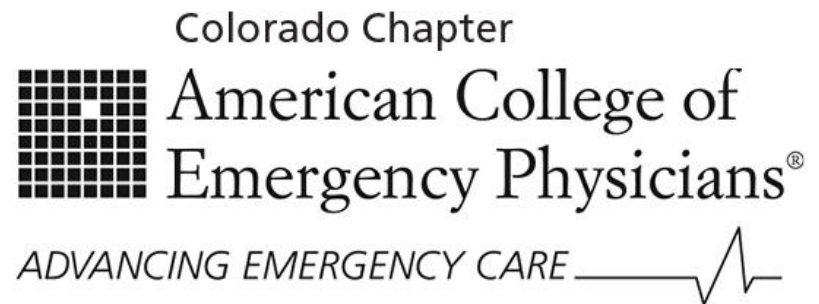
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COLORADO
Office of Behavioral Health
Department of Human Services

Partners



Background

Need:

CHA hospitals requested support for opioid work

Opportunity:

Pain is the #1 reason for ED visits

Solution:

Colorado ACEP 2017 *Opioid Prescribing & Treatment Guidelines* first in the nation to promote alternatives to opioids in EDs

ALTOs – Colorado ACEP Guidance

1. Non-opioid medications first
2. Opioids as rescue therapy
3. Multimodal and holistic pain management
4. Pathways:
 - Kidney stones
 - Low back pain
 - Fractures
 - Headache
 - Chronic abdominal pain

COLORADO ACEP 2017 OPIOID PRESCRIBING & TREATMENT GUIDELINES



www.coacep.org

Objectives

GOAL

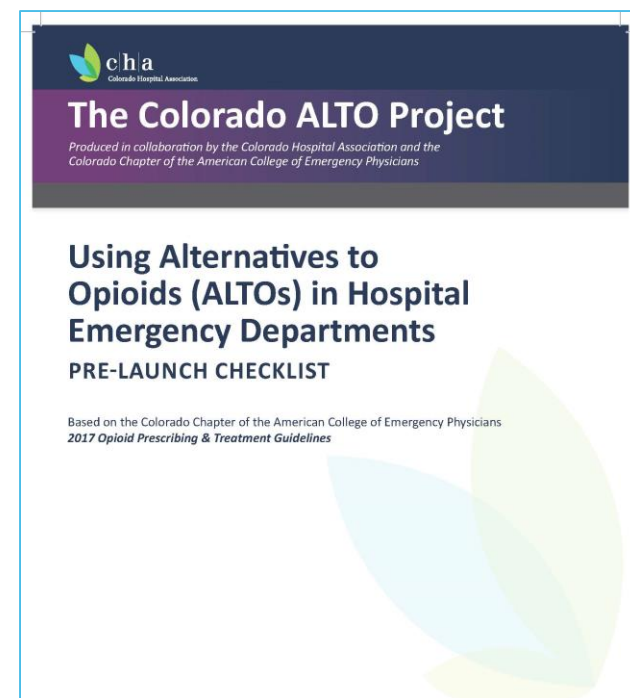
Reduce administration of opioid medications in ED by implementing the *Colorado ACEP 2017 Opioid Prescribing & Treatment Guidelines*.

AIM

Reduce administration of opioids by 15 percent as measured in morphine equivalent units (MEUs).

Pilot Overview

- 10 pilot sites identified hospital lead and team members
- CHA, steering committee and subject matter experts provided:
 - Technical assistance
 - Order sets
 - Stocking guidance
 - Educational support
 - Peer trainings
 - Data support
 - Analytics platform
 - Regular data review
 - Marketing and communication
 - Internal and external communication templates



Measures

Opioids Used

Total administration
(in MEUs)/1,000 ED
visits

Total number of
treated pain
visits/1,000 ED
visits

ALTOs Used

Total
administrations/
1,000 ED visits

Total number of
treated pain
visits/1,000 ED
visits

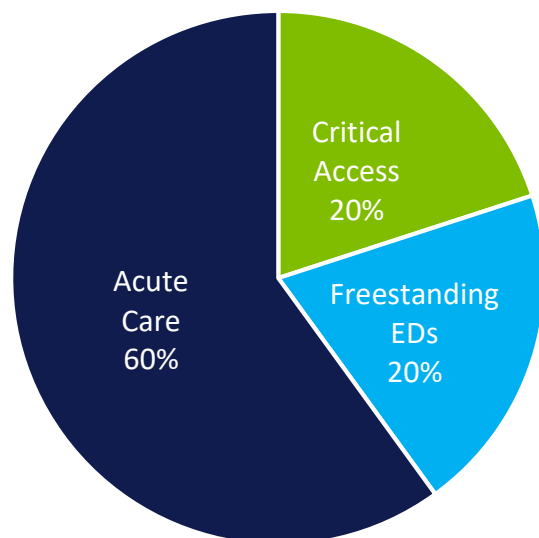
ED HCAHPS Responses

How well was your
pain controlled?

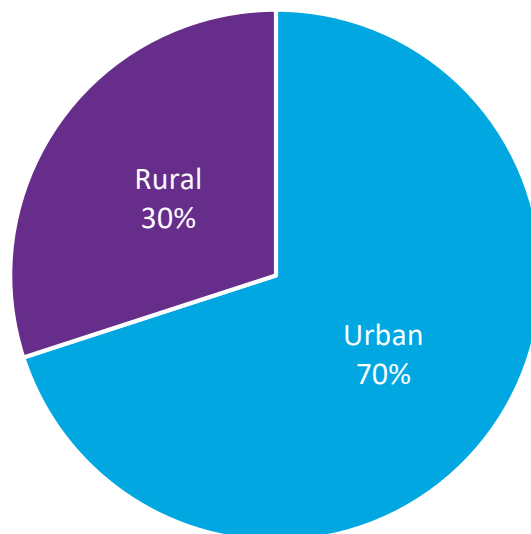
Would you
recommend this
ED?

Participating ED Characteristics

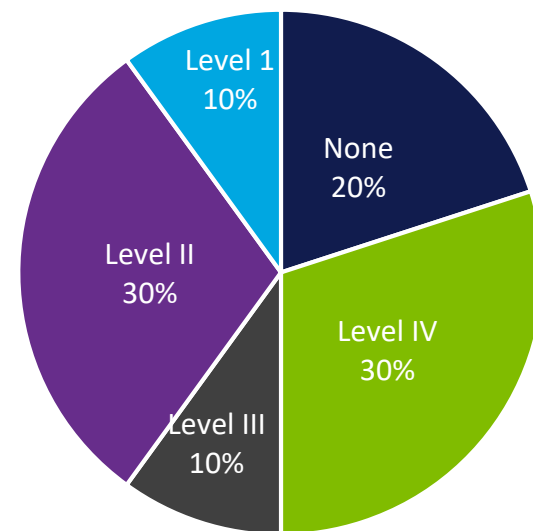
Hospital Type



Location



Trauma Designation



Annual ED visit range: 4,164 – 59,753
(median = 26,297)

Licensed bed range: 0 – 408
(median = 169)

Overall Results

36%



in opioid
administration

Measured in
MEUs/1,000 ED visits
across all 10 EDs
2017 vs. 2016

31%



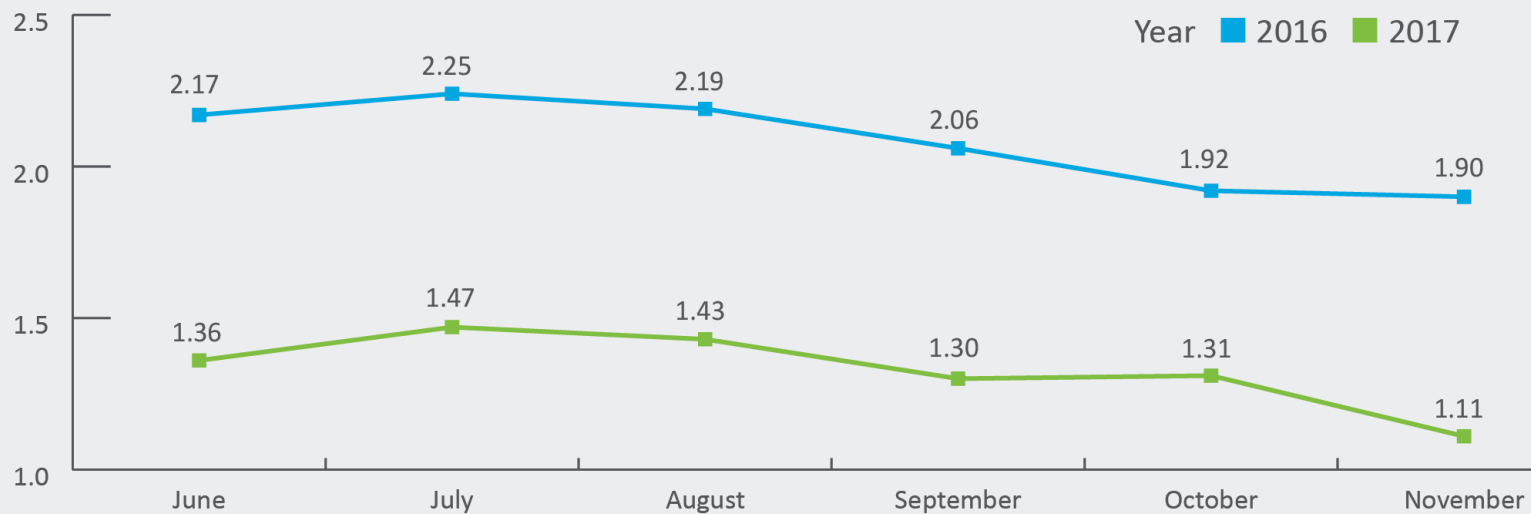
in ALTO
administration

35,000

fewer projected
opioid
administrations
during the pilot than
during the baseline
period

Overall Results

Average Morphine Equivalent Units per ED Visit



* Reductions in MEUs/visit decreased throughout the pilot period

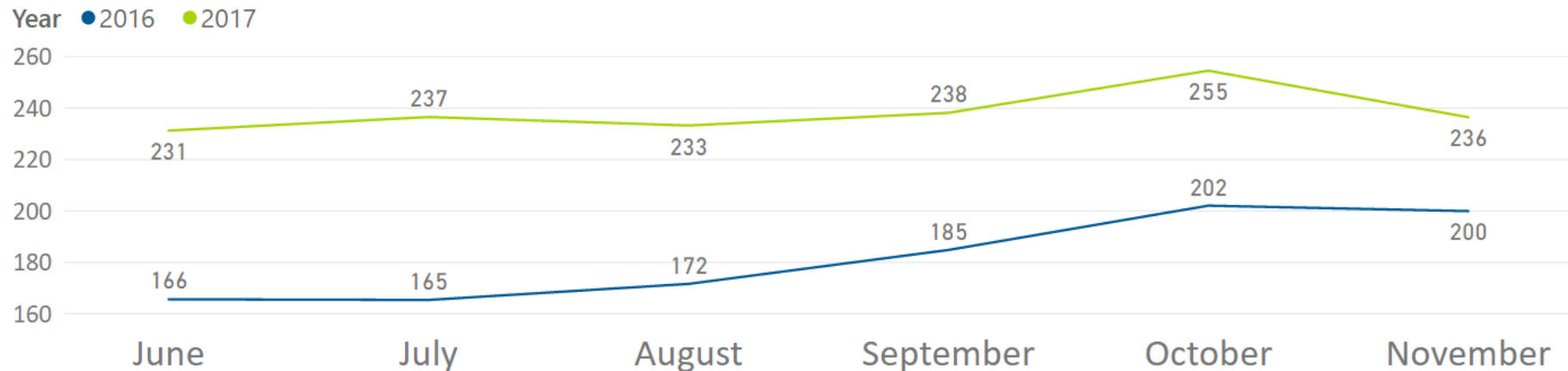
Overall Results – by Site

Percent Change from Baseline in MEUs per 1,000 ED Visits

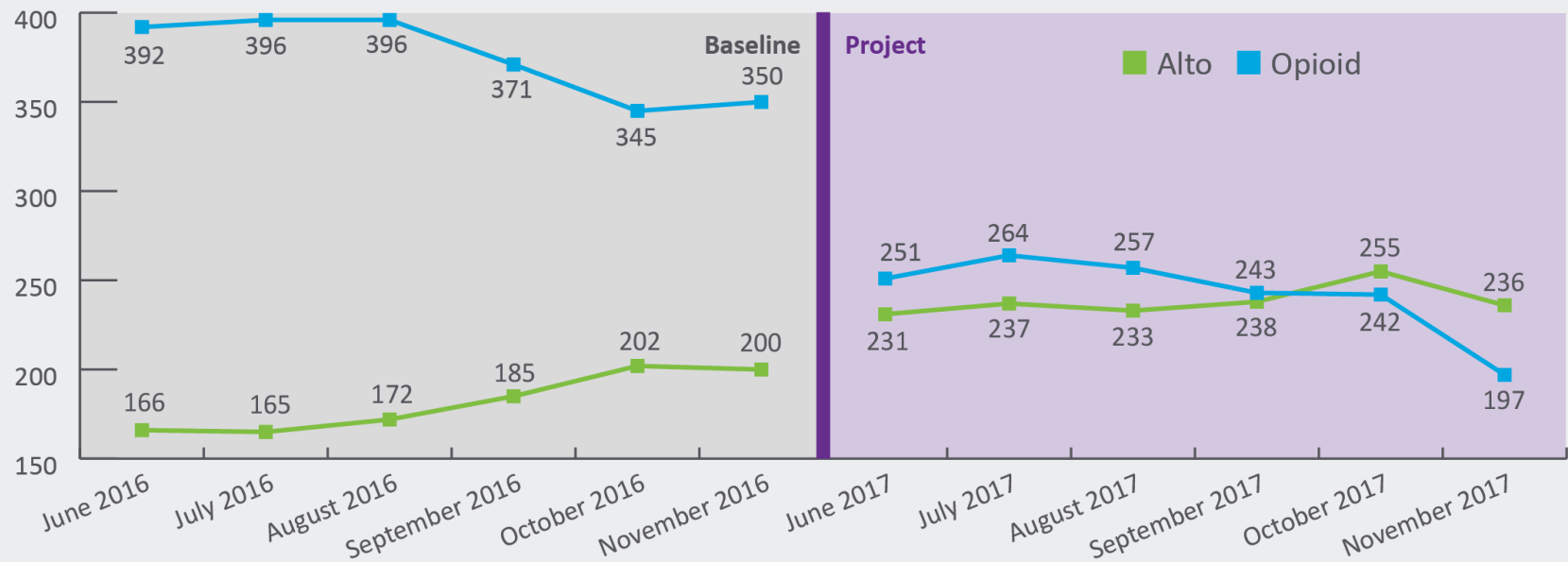


Overall Results – ALTO Use

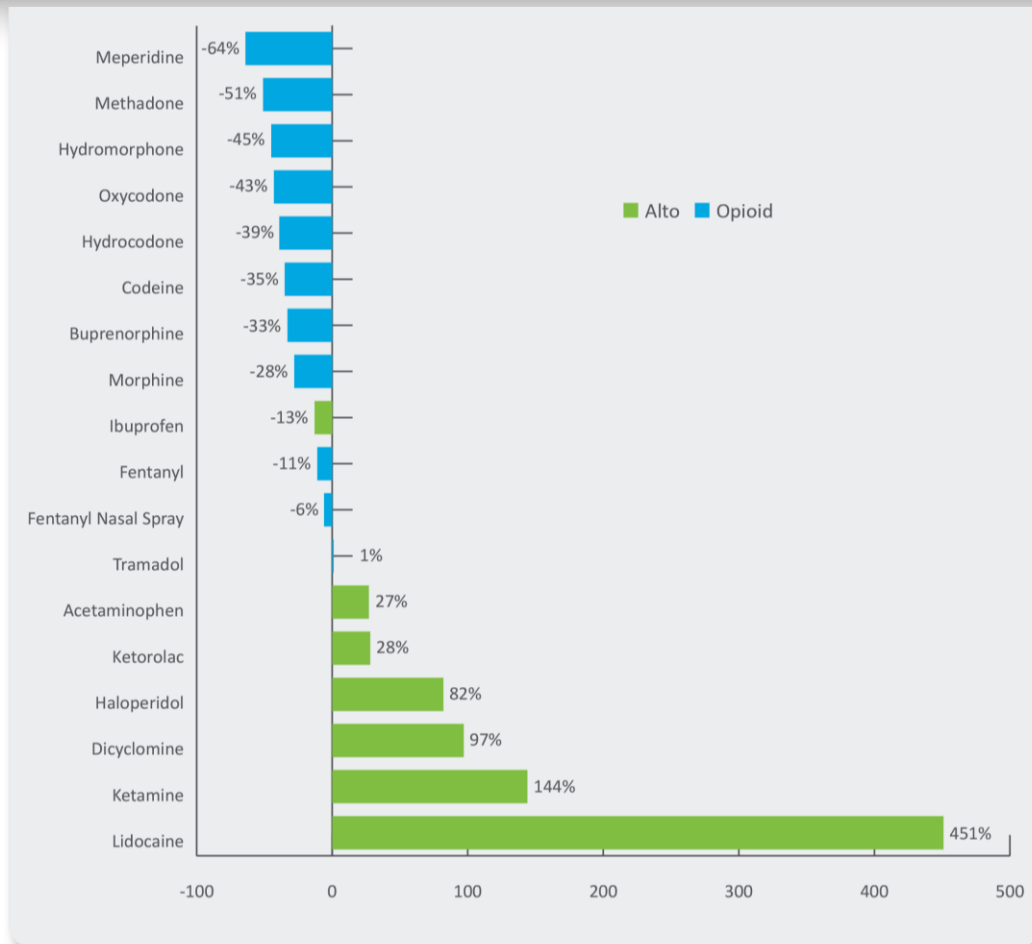
Total ALTO Administrations per 1,000 ED Visits



ALTO vs. Opioid Use Over Time

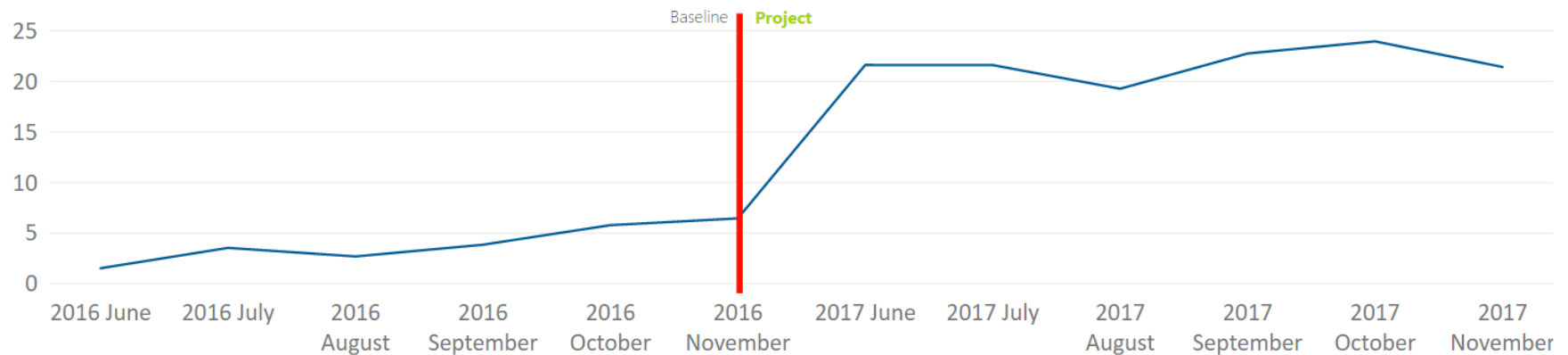


Change in Medication Administration



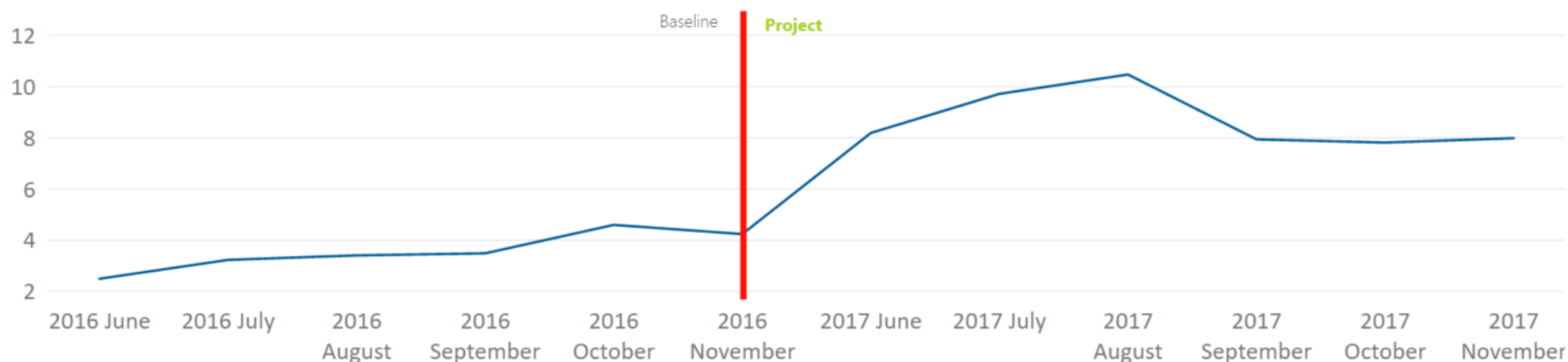
Lidocaine Use

Total Lidocaine Administrations per 1,000 ED Visits



Ketamine Use

Total Ketamine Administrations per 1,000 ED Visits

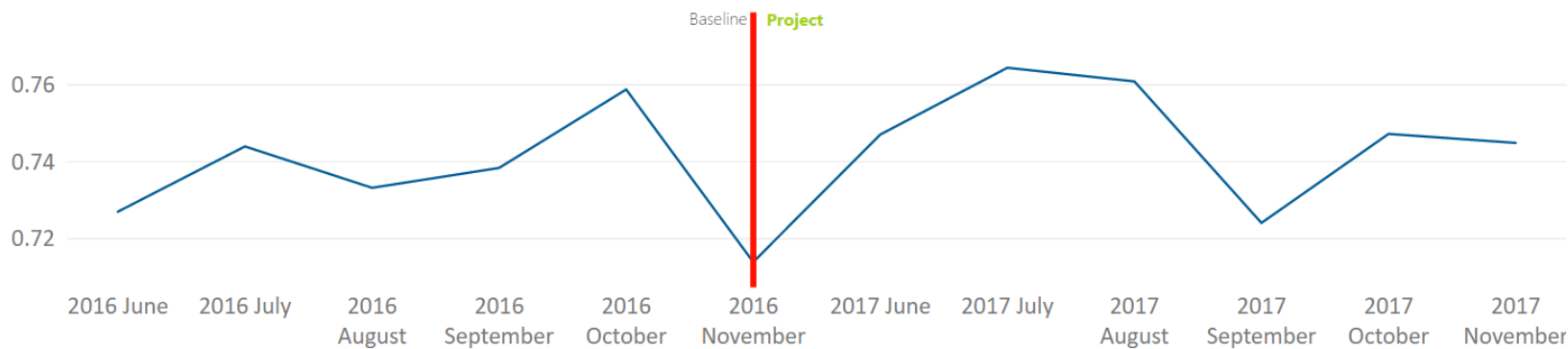


Hydromorphone Use

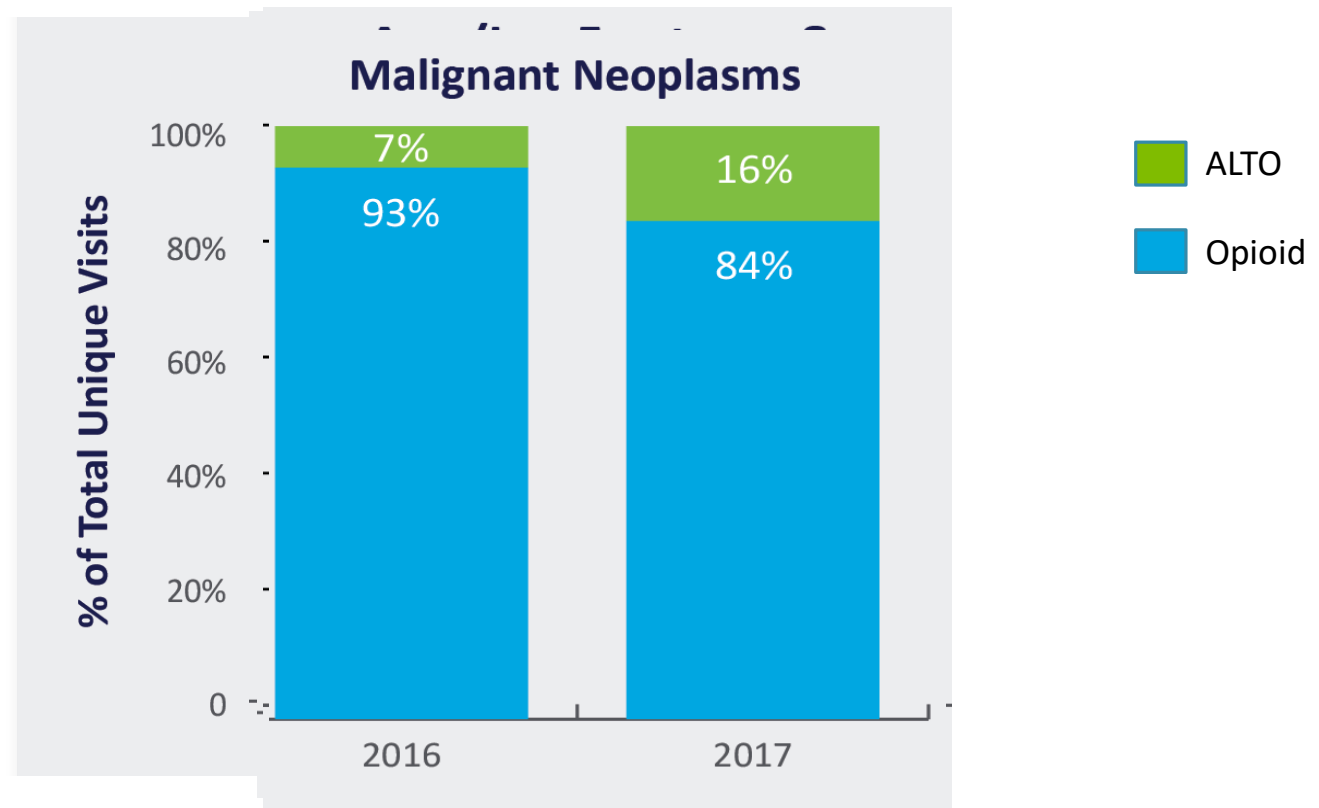
Total Hydromorphone Administrations per 1,000 ED Visits



Average Dose Per Administration (mg)



Total Unique Visits by Diagnosis



Limitations

1. Small pilot with significant support
2. No control hospitals
3. Limited assessment of balancing measures:
 - ED length of stay
 - Adverse reactions or outcomes related to ALTO usage

Conclusions

Colorado ACEP 2017
*Opioid Prescribing &
Treatment
Guidelines* are
effective in reducing
opioid usage.

ALTOs for pain in
the ED is a
feasible and
effective
strategy.

Significant change
to clinician culture
regarding pain
treatment.

The Colorado Opioid Safety Pilot ED ALTO
approach should be disseminated statewide.

Colorado Opioid Safety Pilot Next Steps

Complete analyses and disseminate results

Assist pilot hospitals with sustainability plans

Provide support from CHA and Colorado ACEP for Colorado EDs implementing the ALTO approach

Identify additional venues for implementation (e.g., promote out-of-state adoption)

Thank you and Congratulations!

- Boulder Community Health
- Gunnison Valley Health
- Sedgwick County Health Center
- Sky Ridge Medical Center
- Swedish Medical Center
- UCHealth Greeley Emergency and Surgical Center
- UCHealth Harmony Campus
- UCHealth Medical Center of the Rockies
- UCHealth Poudre Valley Hospital
- UCHealth Yampa Valley Medical Center

You save lives every day ... Thank you.

