Using Alternatives to Opioids in Colorado Hospital EDs

DECEMBER 2018
About CHA

- 5 Health Systems
- 9.9M OP Visits
- 2.0M ED Visits
- 436K IP Visits
- 60K Babies
- 110 Members
- 7 LTAC
- 32 CAH
- 42 Percent Rural
- Pediatric Hospitals
- 7 Rehabilitation
- Acute Care Hospitals
- 58 Percent Urban
- 75 Trauma Centers
- In 48 Counties
Partners

COLORADO CONSORTIUM for Prescription Drug Abuse Prevention

COLORADO CHAPTER
American College of Emergency Physicians
ADVANCING EMERGENCY CARE

Telligen®

EMERGENCY NURSES ASSOCIATION
Colorado State Council
**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 multiple EDs
Colorado ACEP Guidelines

Colorado ACEP 2017 Opioid Prescribing & Treatment Guidelines

Four Pillars
1. Limiting opioids from the ED
2. Alternatives to opioids (ALTOs) for painful conditions
3. Harm reduction
4. Treatment for addicted patients and referral
1. Non-opioid medications first
2. Opioids as rescue therapy
3. Multimodal and holistic pain management
4. Key pathways
Pilot 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
Pilot Overview

• 10 pilot sites identified hospital lead and team members
• CHA, steering committee and subject matter experts provided:
  o Technical assistance
  o Educational support
  o Data support
  o Marketing and communication
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
- Acute Care: 60%
- Critical Access: 20%
- Freestanding EDs: 20%

Location
- Urban: 70%
- Rural: 30%

Trauma Designation
- Level I: 10%
- Level II: 30%
- Level III: 30%
- Level IV: 30%
- None: 20%

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 administrations/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 Cont.

* Reductions in MEUs/visit decreased throughout the pilot period
Overall Results – by Site

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

-46%  -45%  -41%  -39%  -36%  -36%  -34%  -33%  -32%  -32%  -31%

ED 1  ED 2  ED 3  ED 4  ED 5  Cohort  ED 6  ED 7  ED 8  ED 9  ED 10
Overall Results – ALTO Use

Total ALTO Administrations per 1,000 ED Visits

Year 2016 2017
June 166 231
July 165 237
August 172 233
September 185 238
October 202 255
November 200 236
ALTO vs. Opioid Use Over Time
Patient Satisfaction

ED Specific HCAHPS Questions:
1. How well was your pain controlled?
2. How likely are you to recommend this ED?

There were no significant differences in HCAHPS scores between the baseline and project period.
Sustainment at Pilot Hospitals

Baseline Data through June 2018
Colorado ALTO Project

- 11 regional trainings, including customized training for large systems
- 59 member hospital emergency departments trained to date (of 81 member hospitals with EDs)
- More than 500 participants trained to date
- ED Physicians, ED Nurses, Pharmacists, IT/Data Support
- Hospitals in varying stages of implementation but all engaged and moving forward
Resources

• Developed suite of support tools
  o Pathways
  o Pre-launch checklists
  o Training for each team member
    • C-Suite
    • Physicians
    • Nurses
    • Data
    • Pharmacy
    • Marketing
    • Quality Improvement
  o Resources include
    • On-demand videos
    • PowerPoint teaching slides
    • Toolkits
    • Additional resources

www.cha.com/ALTO
Beyond Colorado

- Federal legislation passed!
- HRET HIIN Award
- Alteryx “Outstanding Game Changer” Award
- Resources provided to other state hospital associations
Questions and Discussion

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