

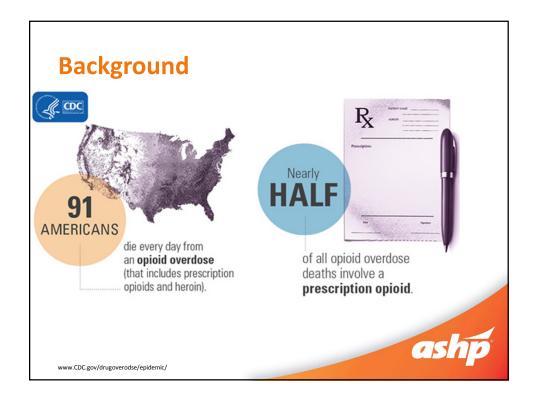
Speakers & Disclosure

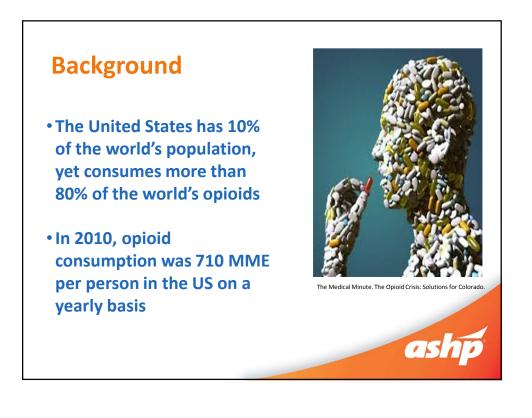
Rachael Duncan, Pharm.D., BCPS, BCCCP Emergency Medicine Clinical Pharmacy Specialist Swedish Medical Center

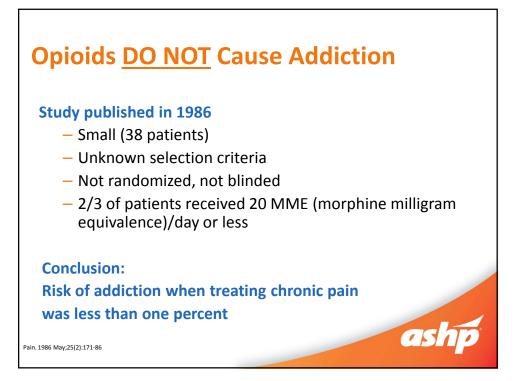
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Faculty, speakers, and ASHP staff report no relevant financial relationships pertinent to this activity

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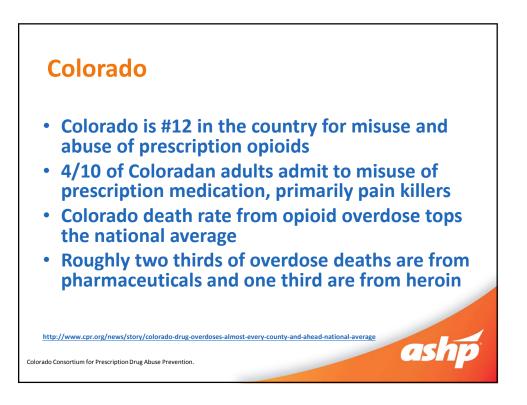


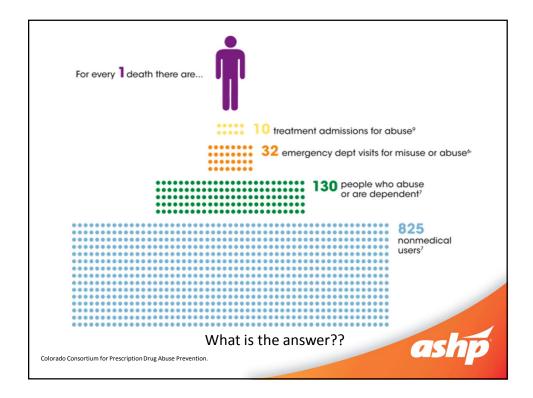


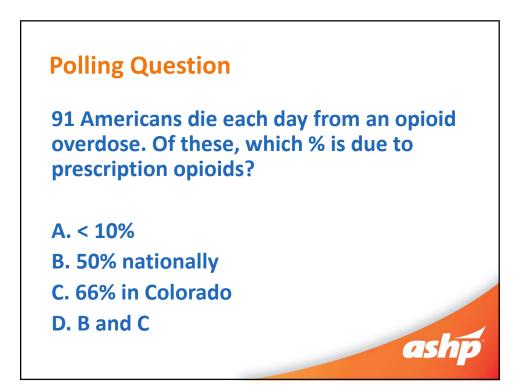


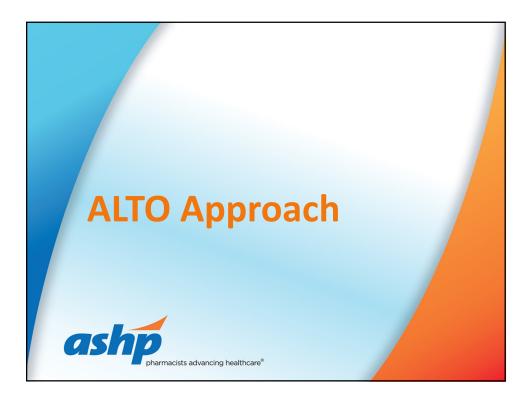




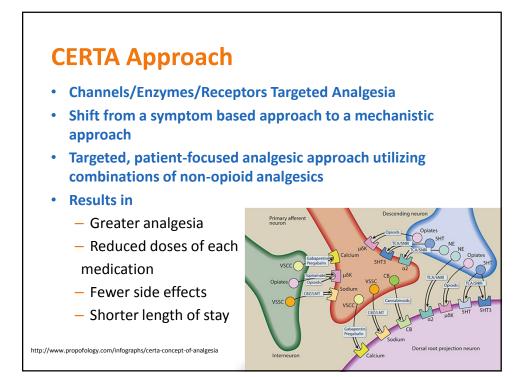


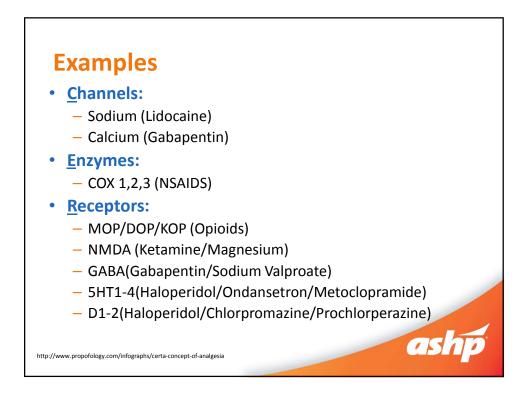




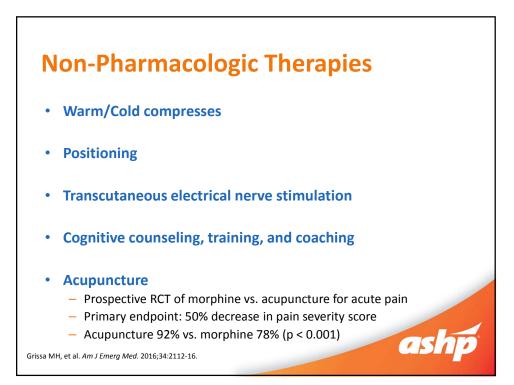




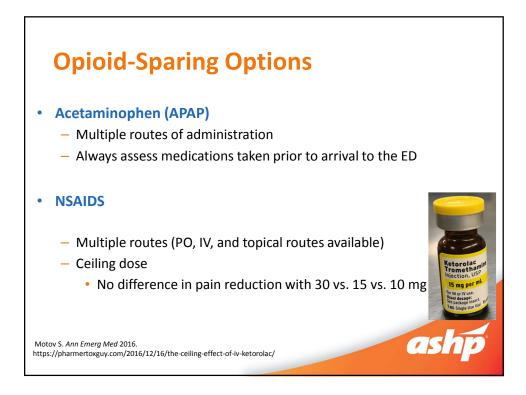


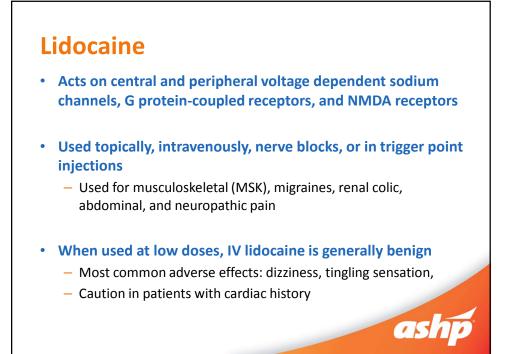
















• Soleimanpour et al, 2012

- Pain score at 5 min lidocaine vs. morphine 65% vs. 53% (p=0.0002)
- Successful treatment 90% vs. 70% in lidocaine vs. morphine (p=0.0001)

• Firouzian et al, 2015

- Morphine + lidocaine vs. morphine + placebo
- Median time to pain free was 87 min vs. 100 min (p=0.071)

• Vahidi et al, 2015

- Lidocaine vs. morphine
- At 15 & 30 min, the mean VAS score in the lidocaine group was < morphine group (5.7 vs. 7, 95% CI: 0.1 -2.4) & (4.2 vs. 6.5, 95% CI: 1.2 to 3.2)

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Soleimanpour H, et al. *BMC Urology*. 2012;12:13. Firouzian A, et al. *Am J Emerg Med*. 2016;34:443-8. Vahidi E, et al. *Emerg Med J*. 2015;32:516-9.



