ECRI Institute Research on Opioid Therapy

Health Technology Assessment Group Reports and Projects

1. ECRI Institute. **Opioids for Chronic Noncancer Pain.** A report for The Mayday Fund, co-sponsored by The Mayday Fund (in collaboration with the Milbank Memorial Fund and the Center for Evidence-Based Policy of the Oregon Health and Science University) and ECRI Institute. May 2006.


Clinical Decision Support

1. Michel, J, Jue J, Tsou A, Erinoff, E, Coates V, **Standardized and Shareable Opioid Clinical Decision Support for Electronic Health Records.** ECRI Institute under subcontract to NORC-Chicago for Office of the National Coordinator (ONC), 2015.
Research Guideline


Health Devices System Research


Patient Safety, Risk, and Quality Resources

**INsight® Risk Assessment: Opioids**

While our communities struggle with the public health threat of opioid addiction, hospitals struggle with how to prevent errors in prescribing and keep up with changing standards of care related to monitoring. The business case for a proactive assessment of inpatient opioid use for pain management is based on ECRI Institute’s awareness of tens of thousands of adverse events and near misses related to opioids.

As of 5/11/17
This proactive risk assessment developed and administered by ECRI Institute addresses questions relevant to various job roles and within a healthcare organization in the following key areas:

- Prescribing
- Dispensing/Compounding
- Administering
- Monitoring
- Quality and Safety

Webinar

**Preventing Opioid-Induced Respiratory Depression: PSO's Webinar.** October 21, 2013, Webinar. Available at: https://www.ecri.org/components/PSOCore/Pages/Mtg_102113.aspx

Custom Research Requests

**A Comparison of Hydromorphone and Morphine**
May 1, 2014
There has been an increase in the incidence of accidental poisonings due to prescription opioid medications. The increase in accidental poisonings coincides with the increase in the volume of opioids sold. The increase in overdoses is a challenge to prescribers attempting to balance pain control with the risk of overdose. Available at: https://www.ecri.org/components/PSOCore/Pages/Research-Response-May-2014-Comparison-Hydromorphone-Morphine.aspx

**Capnography outside of the Operating Room: Highest Priorities**
Sep 1, 2013
Capnography is a noninvasive technology used to continuously monitor end-tidal carbon dioxide (EtCO2), the concentration of carbon dioxide in expired air. EtCO2 is a physiologic parameter that is used to evaluate respiratory status and to provide early detection of hypercapnia (increased levels of carbon dioxide in the blood) due to various conditions, including respiratory depression (reduced respiratory rate and/or tidal volumes). Available at: https://www.ecri.org/components/PSOCore/Pages/Research-Response-Sep-2013-Capnography.aspx

Newsletter Articles

**Pain Relief: How to Keep Opioid Administration Safe**
May 1, 2013
This issue of PSO Navigator reviews events involving opioid administration reported to ECRI Institute PSO over a one-year period and, based on the findings, provides strategies to ensure the safe administration of these high-alert medications for acute pain. Available at: https://www.ecri.org/components/PSOCore/Pages/PSONav0513.aspx

**Opioids and Oversedation: Still a Common Problem**
Apr 12, 2016
Sedation is a common and expected effect of opioids; however, over sedation is a precursor to the more serious adverse effect of respiratory depression. This issue of PSO Compass Points highlights recommendations for avoiding, recognizing, and treating over sedation. Available at: https://www.ecri.org/components/PSOCore/Pages/E-lert041216.aspx
Patient Safety Organization Deep Dive™

ECRI Institute PSO Deep Dive: Safe Use of Opioids
Summer/Fall 2017

ECRI Institute PSO’s newest report analyzes many thousands of adverse event and near miss reports received from hospitals and other healthcare providers. In addition to its analysis of patient safety reports, the Deep Dive will include resources and tools for improvement.