

**Attacking Opioid
Administration Errors: An
Approach to IV Opioid
Education**

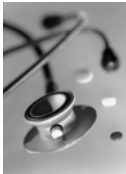
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Objectives

- Participants will:
 - 1. Recognize important elements of opioid education for nurses at Nationwide Children's Hospital
 - 2. Identify trends in medication errors and naloxone use at Nationwide Children's Hospital

Opioid Errors: a National Concern

- Opioid medication errors
 - What is included
 - Scope of the problem
- Deaths per year
- Opioid-related education for RNs



Best Practice



- Nationwide Children’s Hospital has been named the Ohio “Best Practice” site for IV opioid education
- Factors in success



Current Education Requirements

- To administer IV opioids anywhere in the institution, an RN must first take the IV Opioid, Sedative, and Hypnotic course.
- Complete the Self Study packet
- Attend total of 6.5 hour lecture
- Pass a 50 question exam
- Critical Care RNs have additional education and testing requirements



Evolution of Opioid Education at Nationwide Children’s Hospital

- The IV Narcotic Self Study is more than 20 years old
- The original self study and test
- The lecture portion is more than 7 years old, and began as a clinical education experiment for Hem/Onc nurses
- Change over time: self study, lecture, test

Class Content

- Basic information on our IV opiates: Morphine, Dilaudid, Fentanyl, and Methadone
- Similar information on Benzodiazepines
- Dosing, administration, side effects, monitoring requirements, special considerations
- Reversal Agents
- Side effect treatments



Class Content

- Pathophysiology of Pain and normal pain response
- Nociceptive vs Neuropathic Pain
- Pain Assessment
- Pain Scales
- Documentation

Class Content

- Anticonvulsants
- Sedatives
- PCA/NCA
- Epidural
- Procedural Sedation



Class Content

- Addresses Monitoring, Side Effects, Special Considerations
- Includes many scenarios: some pulled from patient experiences
- Stresses safety concerns: double checks, the 5 Rights, calculations

Opioid Administration at Nationwide Children's Hospital

- Patients on opiates
- Doses/month and year
- Frequency of individual opiates

Opioid Administration Errors

- Errors per 1,000 doses
- Administration Errors
- ADEs
- Disclaimer

Naloxone use for Reversal

- Per 1,000 opiate doses
- Per 1,000 patients with opiates

Education vs Practice

- The Big Picture
- Converting to Practice
- Education Updates

Future Plans

- Adding a pre-test
- Yearly competencies