ESSENTIA HEALTH
MEDICATION SHORTAGE
MGMT: IV OPIOIDS

Jillene Cernohous, PharmD, MBA
Essentia Health

• Integrated health system serving patients in Minnesota, Wisconsin, North Dakota and Idaho

• Headquartered in Duluth, MN
  – 14,700 employees including 1,900 physicians/APs
  – Hospitals, clinics, long term facilities, assisted living facilities, ambulance service and research institute
EH Drug Shortage
Mgmt Strategy

- Pharmacy/supply chain weekly calls
  - Issues
  - Items to watch
  - Devise strategies

- Section chair/senior leader huddles for significant issues
  - Devise strategies, plan actions
IV Opioid Drug Shortage

• Timeline
  – Escalating since May 2017

• Why?
  – Manufacturing delays at Pfizer following Hospira injectables acquisition

• External mitigation strategies
  – Pfizer prioritizing of syringes/carpujects of highest need
  – DEA increased aggregate production quotas (APQ) for other MFRs
  – Release of quarantined product to wholesalers (June 2018)
EH Internal Response

• Differ based on size of hospital and needs

• Notification to providers

• Alternative alerts in EMR

• RPh managed policy for IV opioid adjustments
• **Successes**
  – Continued supply for patient care
  – Select accountabilities
  – EMR Tools to support required change

• **Challenges**
  – External/internal communication
  – Forcing actions
  – IT integration: EMR, ADS, smart pumps
  – 340B compliance
References

• https://www.vizientinc.com/-media/Documents/SitecorePublishingDocuments/Public/PharmFact_DrugShortages_IVOpioid.pdf
• http://asahq.org/drug-shortages
• EH Pharmacy Policy: RPh IV Opioid Adjustment
Medication Shortages

“The Art of Racing in the Rain”

By Adam J. Bakken, PharmD

Inpatient Pharmacy Supervisor
North Memorial Health Hospital
Disclosure

The speaker has **no actual or potential conflict of interest in relation to this presentation**
North Memorial Health Hospital Cont.

• 353 licensed beds
• Hospital census ~270
• Level 1 Trauma Center
• Distribution to 2 Urgency Centers, 25+ Clinics, and large multi-state Medical Transport Division
• Two Hospital System
Trends in Drug Shortages
National Drug Shortages: Common Drug Classes in Short Supply

New Shortages Reported: 2013-2017

University of Utah Drug Information Service
Contact: Erin.Fox@hsc.utah.edu, @foxerinr for more information.
National Drug Shortages
Reasons for Shortages* – 2017

*Based on information provided by manufacturers to the University of Utah Drug Information Service

Contact: Erin.Fox@hsc.utah.edu, @foxerinr for more information.
Medication Shortage Management
Components of shortage management

Dedicated Shortage Lead

- Senior Leadership Support
- Clear communication pathways
- Scheduled time to assess and update
- Strong IT Support
- Plan for investigation and awareness
Small Volume Parenteral (SVP) Solutions Shortage
North Memorial’s SVP Journey

- MB+ Central Distribution (9/12/17)
- Hurricane Maria (9/20/17)
- Compounding with glass vials and LVP (10/1/17)
- MB+ back to the ADC (4/13/18)
- SVP back in normal distribution channels (7/24/18)

- Baxter Info released (9/14/17)
- Frozen Allocation secured (9/19/17)
- Used vial-mate, add-ease, add-Vantage, etc. (9/18/17)

- Hurricane Irma (9/6/17)
- NM joins the MHA Statewide Calls (9/29/17)

- Twice Weekly NM HICS calls (9/30/18)

- Compounding using empty bags and LVP

- Syringe Pumps as back-up 9/30/17

- Baxter receives FDA approval for import (10/9/17)

- NS / SWFI Vial Shortage (2/1/18)

- MB+ back to the ADC (4/13/18)

- IV Push back to MB+ from central (2/12/18)

- IV Push! (11/7/17)

- SVP back in normal distribution channels (7/24/18)

- Compounding with glass vials and LVP (10/1/17)

- Syringe Pumps as back-up 9/30/17

- Baxter receives FDA approval for import (10/9/17)

- NS / SWFI Vial Shortage (2/1/18)

- MB+ back to the ADC (4/13/18)

- SVP back in normal distribution channels (7/24/18)
Thank you
Drug Shortages

DAVID OTTENESS, RPH
PERHAM HEALTH PHARMACY
Pharmacists Need to Remain Aware of Drug Shortages and Be Prepared to Take Action

It is important for pharmacists to stay informed about ongoing drug shortages and factors.

Identifying drug shortages is important in determining how to address them.

The FDA and the American Society of Health System Pharmacists (ASHP) have 2 distinct definitions of a drug shortage.

The FDA identifies a drug shortage as the period of time when the demand for a drug exceeds the manufacturers ability to produce it,

ASHP officials define drug shortages as a shortage of all drug and biologic products that have a national impact.

ASHP often lists more drug shortages than the FDA, according to information from the presentation.
Pharmacy Outsourcing – Section 503B

2013 – New legislation after New England Compounding Tragedy

Law created new category of compounder – “Outsourcing facility”

Outsourcing facilities have not been able to keep up with demand
Communication

Networking with others in profession

Use resources within organization

Beg, borrow, be careful!!
Questions

Thoughts from participants

Stories

Other
Thank You