

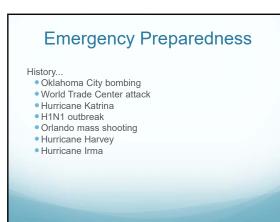
Objectives

- · Discuss pharmacy preparedness in various disaster events
- Review important disaster medications and distribution
- Evaluate the various services pharmacists can provide during a disaster
- Describe the role of the pharmacist and technician in a disaster event

Pharmacy is a Big Field

- Pharmacy technicians
- Pharmacy interns/students
- Pharmacy residents (PGY1, PGY2)
- Pharmacist clinicians
- Pharmacist specialists
- Emergency medicine/Critical carePediatrics
- Infectious disease

- Anticoagulation
 Toxicology
 Heme/Oncology Nuclear pharmacy





Infectious

- Bioterrorism
- Natural Disasters
- Radiation/Chemical





Influenza Pandemic

Pharmacists can:

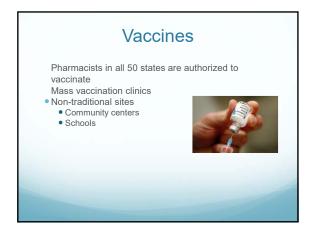
- Counsel and educate on symptom identification and supportive management
 OTC medications
- Triage and patient referral
- Manage patients with mild illness so they do not need
- to access and overburden acute care settings
- Vaccinate



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Pandemic Flu Pharmacy Checklis

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The Most Accessible Healthcare Providers

- Pharmacists vaccinated the most patients on a daily basis
- Pharmacists see patients more frequently than other providers
- They are an established and trusted part of the community







Orlando Mass Casualty

- Pharmacists ensured departments were getting appropriate distribution of medications and IVs
- Drug consults for antibiotic dosing and monitoring
- critical drips • Compounding IV medications
- Compounding IV med
 Priming lines



Other Pharmacist Services

- Antibiotic prophylaxis recommendations
 Open fractures
 - Intraabdominal
- Vaccines
- Tetanus
- Managing medication allergies
- Documenting activities for insurance reimbursement
 Claims may not be able to be processed
 - electronically

Audience Question How does your institution order and received medications in a disaster situation? Protocol/agreement with ordering vendors? Alternative drop off locations? Fluids, syringes, other supplies?

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Medications

- Antibiotics
- Pain/sedation medications
- Rapid sequence intubation medications
- Vasopressors
- Electrolytes
- Code medications
- Antiemetics
- Respiratory medications

Prepare Ahead of Time

- Develop plan for role of pharmacy in ordering, receiving, and storing medications and supplies, including alternative care sites
- Establish agreements with vendors for ordering of essential pharmaceutical supplies in emergencies
- Determine role of employees during a disaster and managing staff required for services

Home Medication Related Assistance

Managing Existing/Home Medications

- Implementation of a collaborative practice during emergency
- Without a prescription or collaborative practice, pharmacists can only provide 72 hours of medication



Home Medications in Katrina

- Collaborative practice protocols
- Pharmacists were authorized to write prescriptions for maintenance medications
 - Restricted to chronic disease management
 No antibiotics without physician accessments
 - No antibiotics without physician assessment of the patients
 - Patients must be affected by the disaster

Over the Counter Medication (OTC) Assess patients' ability to self treat Provide counseling and make recommendations on use of OTCs for minor injury/illness Distribute OTCs as necessary

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Adult strength Pediatric strength

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Natural Disasters

Pharmacists can aid in:

- Proper storage of medications
- Determining critical medications
- Pharmacists should be aware of other issues affecting the patient
 - Not properly hydrated or nourished, may affect medication absorption or effectiveness

* Local poison control centers can also assist in drug related questions

What if a Drug is Unavailable?

- Through collaborative practice pharmacists can make reasonable switches to other medications for the same indication
- Provide information to patients regarding non-critical medications
 - Medications that are not life sustaining may not be available, but may have low impact on patients

New Mexico is Unique

One of the few states that grants additional pharmacist licensure

 Pharmacist Clinicians are able to diagnose and treat a wide range of diseases through collaborative practice









Benefits of EPAP

- Ensures patient access to medication
 Can limit ED visits for medication refills
- Also includes certain medical equipment, such as wheelchairs, crutches, cane, & other specialty pharmacy items



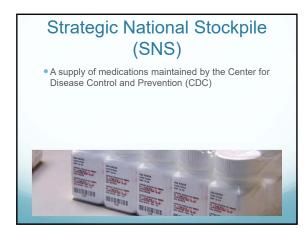
Limitations of EPAP

Does not cover all medications: anti-obesity drugs impotence treatment drugs over the counter (OTC) drugs, such as smoking cessation fertility drugs (including progesterone and leuprolide) OTC vitamins fluoride products insulin pump (including supplies) blood products non-specialty implantable medications allergy serums drugs for cosmetic usage

Who Qualifies for EPAP?

- Limited to uninsured patients affected by a national disaster
- Any government or privately insured patient is ineligible









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Ask Patients to Learn About Their Health

- Encourage patients to keep an updated list of their medications, with doses, routes, and frequencies
- Indications should be listed when possible
- Encourage patients to use phone applications, such as iPhone 'Health'

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Should Our Patients Be Stockpiling?

- A statement from the American Society of Health System Pharmacists specifically recommends against personal stockpiles
- Healthcare institutions and the SNS can help provide medications to patients





UNMH Emergency Management

- Emergency Management Forms
- Facility Emergency Preparedness
- Hospital Capacity Saturation Plan
- Incident Command System
- Additional Resources:
- Federal & State Emergency Management Plans

Automated dispensing system (Pyxis)

- Pharmogistics/ Carousel
- DoseEdge
- Downtime procedures for HIT
- QS/1 Outpatient pharmacy management systems
- Baxter compounder
- Power sources
- Packaging solutions
 PackEdge/ MILT

