

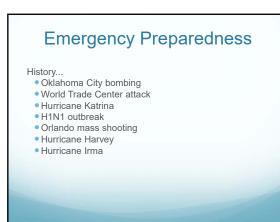
Objectives

- · 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:

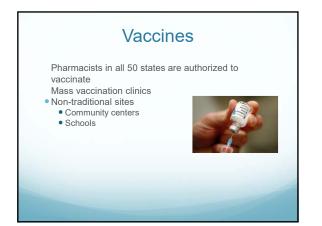
- Counsel and educate on symptom identification and supportive management
 OTC medications
- Triage and patient referral
- Manage patients with mild illness so they do not need
- to access and overburden acute care settings
- Vaccinate



Supplier, Emministriane
 Carly May
 Comparison of the state of the state

Pandemic Flu Pharmacy Checklis

Drug: The analysis of the second systems of the second sy



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?

Description of Acquisition of Acquisition of Acquasition of Acquasitiono

SHEP TO NAME								
	Account Number	DC Location (or hopey Chain Cardinal Health					
FO. Number	Date Prepared*		Phone Number					
	Prepared by impatient pharmapy *Lot should be updated being a year							
It the sevent of a segmenative strandor. Constraint Month is assembling to providing read to regarded to south a strandor. It appropriate, preserve questly if the born a strandor and annual to Calife CE-Excorpany/Colife.guestlandwaller (annual To antivers the process requesting Questing Health to send the outer, preserve pairs	hould be filled for blueghtal, natural	, of any disaulter, physical	ed congrand for	to your Dates I	teg er Casturier	of Berns Pag, who will larves Pag, who will		
Would you like this had automatically filled if you are unable to community	ale to communicate with the Division storing or after a disaster?					Chess for large tonic		
PeaXi	1.000	Van	x	No				
Would like this fait filled ane time priy?			Tan	x	No			
Would like this list filed daily until communication is restored?			Tes	x	140			
Other / special methodisms								
had saya Sandi Antok unga Andra Andra Shin Min Inal Janang Bada Antok Inal Janang Bada Antok Inal Managa Kannan Inal	Mare SIGERARD Party SIGERARD			446 446 (000)79-000				
Other seminumentary channels	Casting Prove Sile.	right Ratio tok			free			
Laurelle Phone ApA	Lance William But.							
Savis Puris NA Mesan	215 C 1 2 2 2 2	10-	CONTRACTOR OF					
Landa Pura MA Terrati 28 MIC MIRERAL MERSPIRE	Case of address of		Sectory Sectory	Responsible to	Annual Manager	de Rossen		
Sanda Pines MA Tanan Ing Sanda Sanda Distance Sanda	215 C 1 2 2 2 2		Alexandre alexan	Respectived.	Annual Masseller Group	All Disease		
Sanda Pines MA Tanan Ing Sanda Sanda Distance Sanda	Carl a Masses	Intel Laters	Automotive Description 2 X 2 X 2 X	Respect front	Annual Transie Drig	40 Reading		
Sanda Pines MA Tanan Ing Sanda Sanda Distance Sanda	Jan unitable	States (paint)		Respectived	Annual Younie	4 Dates		
Sanda Pines MA Tanan Ing Sanda Sanda Distance Sanda		Intel passed		Respectived Box	And Tours	AT Transm		
Sanda Pines MA Tanan Ing Sanda Sanda Distance Sanda	Jan unitable	Intel passed		Transford Sector	No. of Frank			
Sanda Porta NA Terrato San ang anamata ang ang ang ang ang ang ang ang ang an		Intel passed		Transford Sector		8 Tauna		

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

n Act-bah reams for vagical application before the solution of the solution of the solution of the solution of Contact lines solution Reading glasses (sarious strength) Montant indeputing lines (sarious strength) t Contact lines solution contact lines and solution of the solution contact lines and solution of the solution contact lines and solution of the solution of the solution solution of the solution of the solution of the solution contact lines and solution of the solution

Adult strength Pediatric strength

Throat lozenges/cough Sore throat spray Otic preparations Otic preparations Swimmer's ear prep Ear wax removal kit Cotton balls

worton balls

seed spon the experience of a distant the (Brinningham, Alabima) shallow have in the center of a disaster ama are Bady to be much each Polocita are find once, but may fill within malified categories. Ideal and task laws restrict the dispensing of pascdopphadries. Special amagements that are in compliance with existing laws must be noticed. Phasedoppathen has been thomain oficially to be appropriate to other assing on-advect-counter decounters, and is perferred for indicated. Phasedoppathen has been thomain oficially to be appropriate to other assing on-advect-counter decounters, and is perferred for

4

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



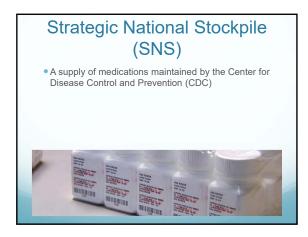
Limitations of EPAP

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

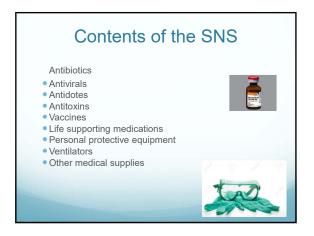
Who Qualifies for EPAP?

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









<section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item>



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'

My Medication List		a bactishealth corn + 904		24230	
hate	Madoution	Taban Par	(Cree	Tang any	
To here you inter that of our of the second					
present in printing par, with this					
age reduction and a					
Tour arbay is ingestion? In its					
We want any same distant					
the design of the sector				-	
We change of the order	Sug himper				

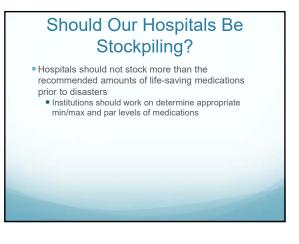




Should Our Patients Be Stockpiling?

- 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

