Guideline

Use of POCT for Emergency and Disaster Preparedness & Recovery

> North Country POCC Network Meeting October 25, 2013 Minnesota Peggy Mann, M.S., MT(ASCP)



Preparedness & Recovery... (from a POCC's experience!)

Wishing won't make it so...





Contributed by Galveston County Emergency Management Coordinator (David Popoff)

STAR LIGHT, STAR BRIGHT FIRST STAR 1--

NO.

Objective

Attendees will be updated on the efforts to create guidelines to help prepare for the use of POCT during disasters & emergencies.

DMAT MA-2 set up in UTMB 1 of 5 Trauma bays/ED





Emergency and Disaster Point-of-Care Testing; Approved Guideline

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Terminology Definitions increase understanding example: 'Hunker down' = refuse to leave (evacuate)





Definitions Recovery = restoring the community



Murdoch's Bathhouse on the seawall, Galveston



Definitions Recovery = restoring the community









Mann PA, Kost GJ. Point-of-C are Coordinator Leadership in Preparedness, Crisis, and Recovery. *Point of Care*. 2012;11:102-107.



Guideline Material Features:

✓ Crisis Standards of Care

✓ Structure and Support of POC Laboratory Services

- Planning for Laboratory Testing Operations
- Testing requirements/considerations
- Resource Rich Environment and Resource Poor Environment
- Regional Co-operationsSmall World Networks

✓ Role of POC Coordinator





Evacuating patients days before IKE hits Galveston/UTMB

Features, Con't:

✓ Testing Sites/Alternative Care Sites

✓ Medical Needs During the Initial Response

- $\circ~$ POCT for Surgical and Medical Needs $\,$ Initial Response
- Critical Tests Promoting Survivability
- Transition to Recovery for Patients
- ✓ Resources/Logistics
- ✓ Good Laboratory Practice
- ✓ Public Health Considerations
- ✓ Response to Recovery Transition





Guideline is user friendly! Graphics, Tables, Charts, Checklists





Table 5. Point-of-Care Value Proposition for Small-World Networks

Reduce Therapeutic Turnaround Time (TTAT) to Speed Critical Paths

Optimize the Use of POCT

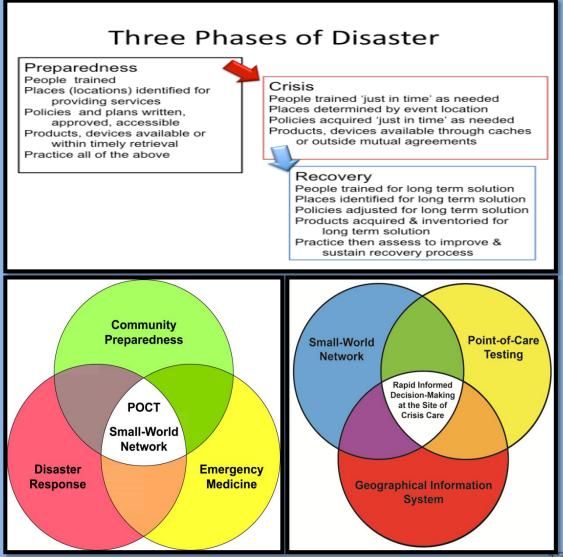
Monitor Continuously In Vivo for Emergency Care

Use Cardiac Biomarkers to Diagnose Acute Coronary Syndromes

Facilitate Acute and Chronic Diabetes Monitoring in Disasters and Afterward

Introduce New Infectious Diseases Testing

Guideline Materials Tables – Charts - Checklists



Example of POC15 tables: Essential Preparedness for Complex Emergencies and Disasters

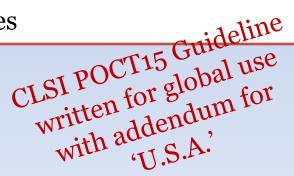
CLSI POCT 15 Table 1.

- Improve crisis standards of care, preparedness, and recovery
- Develop the master plan for devices, regents, test menu, and quality assurance
- Produce a business plan for continuity, back-up, and alternate site testing
- Assist via incident command management with critical functions (communications, assets, safety, security, utilities, and clinical support)
- Understand the emergency management plan and the incident command system then apply accordingly
- Perform hazard vulnerability analysis (example: **Table 2**)
- Identify crucial systems, uninterruptable processes, and outages, and their impact
- Liaison with commercial partners for bidirectional community support



CLSI POCT15 Table 1. Essential Preparedness for Complex Emergencies and Disasters

- Analyze leadership, assess crisis response to determine what went right, and what did not
- Document drills, opportunities for change, corrective actions, and improvement timelines
- Prepare for accreditation, standardize oversight in outlying sites, and consider using CLIA waivers
- Make key decisions, such as need to stockpile, control expenditures, and involve contract suppliers
- Comply with regulations, laws, guidelines





POCT15 Guideline Status Modified Time Table

- The first draft has been completed, development was delayed due to shortage of CLSI staff availability.
- ✓ The document is being prepared for Draft 1 vote at this time; using a 99 point checklist of items.
- Expect the document to be distributed to the document development committee for Draft 1 vote by end of August 2013.
- ✓ Public review (Draft 2 45 days) to begin in October 2013.

 \checkmark Now scheduled for publication in May 2014.



CLSI POC 15

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