TRAINING MANUAL

Preparing Hospitals and Clinics for the Psychological Consequences of a Terrorist Incident or Other Public Health Emergency

Lisa S. Meredith • David P. Eisenman • Terri Tanielian Stephanie L. Taylor • Ricardo Basurto

RAND Health

In collaboration with County of Los Angeles partners:

Department of Health Services, Emergency Medical Services Agency

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Department of Public Health Emergency Preparedness and Response Program











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1776 Main Street, P.O. Box 2138, Santa Monica, CA 90407-2138
1200 South Hayes Street, Arlington, VA 22202-5050
4570 Fifth Avenue, Suite 600, Pittsburgh, PA 15213-2665
RAND URL: http://www.rand.org/
To order RAND documents or to obtain additional information, contact
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Fax: (310) 451-6915; Email: order@rand.org

Preface: About This Training Manual

Terrorist attacks, natural disasters, and other large-scale public health emergencies such as severe acute respiratory syndrome (SARS) or pandemic flu can result in a large number of psychological casualties. Large-scale disasters can stress the capacity of hospitals and clinics to deal with the psychological consequences of the events for patients, families, and staff members. These health care facilities usually have general disaster plans for dealing with the medical consequences of public health emergencies. However, most of their disaster plans do not address the psychological consequences of such events. Throughout this training, we refer to the *psychological* consequences of a disaster. By *psychological* we mean the emotional, behavioral, and cognitive reactions that could result from a terrorist or other public health event.

This training manual is designed to fill the gap by providing a curriculum that can be used to train hospital and clinic staff about how to prepare for and respond to the psychological consequences of large-scale disasters. The training has three modules that are intended to be used either as standalone (module 1 for one hour of training) or in combination (both modules 1 and 2 for two hours of training) depending on the facility and audience needs:

- 1. An overview module designed for administrative and disaster planning and response staff in hospitals and clinics.
- 2. A module designed for clinical, mental health, and non-clinical staff in hospitals and clinics.
- 3. A module designed specifically for disaster mental health staff in Los Angeles County. This module is not included in your manual but is available on the County Web site (see below).

The materials in this manual are intended to be flexible so that hospital and clinic disaster coordinators can tailor a training session to the needs of local staff. All trainer, participant, and self-study materials (for modules 1 and 2), as well as various tools described in the manual, are downloadable from the accompanying CD or the Los Angeles County Web site: www.ladhs.org/ems/disaster/trainingIndex.htm. Materials for module 3 are available only on the County Web site. To help hospitals and clinics make arrangements to provide continuing education credit for the course, the post-tests for all of the modules are posted on the Web site.

Comments on these materials should be directed to the principal investigator of the RAND team, Lisa Meredith (Lisa_Meredith@rand.org). She may also be reached by mail at the RAND Corporation, 1776 Main Street, P.O. Box 2138, Santa Monica, CA 90407-2138. Comments or questions about the training and accreditation process should be directed to the county project lead, Sandra Shields (sanshields@ladhs.org). She may also be reached by mail at Los Angeles County Department of Health Services, Emergency Medical Services Agency, 5555 Ferguson Drive, Suite 220, Commerce, CA 90022-5152.

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Expert Panelists

The authors would also like to acknowledge the contributions of the following experts:

Roel Amara, RN, Los Angeles County DHS EMS Agency

Beth Boyd, Chaplain, Manager of Spiritual Care, Providence Saint Joseph Medical Center

Eleanor Elliott, RN, BSN, MHA, Employee Health Nurse, Worker's Compensation Coordinator, San Gabriel Valley Medical Center

John Green, LCSW, Clinician/Supervisor, Los Angeles County DMH

Bernadette Grosjean, MD, Assistant Professor of Psychiatry, David Geffen School of Medicine at University of California, Los Angeles

Dolores Hill, RN, BSN, MICN, Los Angeles County DHS EMS Agency

Garrett Horne, PhD, Clinician/Supervisor, Los Angeles County DMH

Michelle Humke, LMFT, Clinical Director, Mental Health Department, Eisner Pediatric and Family Medical Center

Diane Hyland, Safety and Satisfaction Manager, Children's Hospital, Los Angeles

Randy Kasper, LCSW, BCD, Employee Assistance Program, Huntington Hospital

Linda Kaye, LCSW, Social Services Supervisor, California Healthcare Association, Hollywood Presbyterian Medical Center

Connie Lackey, RN, Nursing Supervisor, Disaster Preparedness Coordinator, Providence Saint Joseph Medical Center

Charles Lennon, LCSW, Clinician/Supervisor, Los Angeles County DMH

Beth Maldonado, Employee Assistance Program Manager, Children's Hospital, Los Angeles

Cathy Medrano, Finance and Administration Manager, Eisner Pediatric and Family Medical Center

Rosario Medrano, LCSW, Clinician/Supervisor, Los Angeles County DMH

Ricardo Moncho, Clinical Psychologist II, Clinician/Supervisor, Los Angeles County DMH

Thuy Pham, MD, Medical Director, Arroyo Vista Family Health Center

Connie Rangel, Director, Safety and Communications, California Hospital Medical Center

Julie Rees, Disaster Preparedness Coordinator, Los Angeles County-Harbor-UCLA Hospital

Joan Rigdon, RN, MN, FNP, Disaster Resource Coordinator, Methodist Hospital of Southern California

Karen Roberson, LCSW, Director of Clinical Social Work, Providence Saint Joseph Medical Center

Sonia G. Shah, MPH, Emergency Management Specialist, Kaiser Permanente

Tamiza Z. Teja, MPH, Emergency Management Specialist, Kaiser Permanente

Lana Tsend, LCSW, Clinician/Supervisor, Los Angeles County DMH

Gary Walendzik, LCSW, Clinician/Supervisor, Los Angeles County DMH

Steven Yao, Corporate Compliance Officer, Arroyo Vista Family Health Center

Acronyms

ASD Acute Stress Disorder
BCD Board Certified Diplomate
BSI Brief Symptom Inventory
CBT Cognitive Behavioral Therapy

CDC Centers for Disease Control and Prevention

CISD Critical Incident Stress Debriefing
CISM Critical Incident Stress Management
DHS Department of Health Services
DMH Department of Mental Health

DSM-IV Diagnostic Statistical Manual, Version IV

EAP Employee Assistance Program ED Emergency Department

EMDR Eye Movement Desensitization and Reprocessing

EMS Emergency Medical Services

ER Emergency Room

FNP Family Nurse Practitioner HCW Health Care Worker

HEAR Hospital Emergency Administrative Radio

HICS Hospital Incident Command System

ICU Intensive Care Unit

LCSW Licensed Clinical Social Worker

LMFT Licensed Marriage and Family Therapist

MH Mental Health

MHA Master of Health AdministrationMICN Mobile Intensive Care Nurse

MN Master of Nursing

RDD

NCPTSD National Center for Posttraumatic Stress Disorder

NCTSN National Child Traumatic Stress Network NIMH National Institute of Mental Health

Radiological Dispersal Device

PFA Psychological First Aid
PIO Public Information Office
PPE Personal Protective Equipment
PTSD Post-Traumatic Stress Disorder

REPEAT Readiness for Events with Psychological Emergencies Assessment Tool

SAMHSA Substance Abuse and Mental Health Services Administration

SARS Severe Acute Respiratory Syndrome SMI Severely and Persistently Mentally Ill

WMD Weapons of Mass Destruction

Introduction and Overview

Beginning in 2002, the County of Los Angeles/Department of Health Services Emergency Medical Services (EMS) Agency received Hospital Preparedness Program grant funding through the U.S. Department of Health and Human Services. This grant program is part of a multiyear, nationwide effort to enhance the ability of hospitals and health care systems to prepare for and respond to bioterrorism and other public health emergencies.

The Hospital Preparedness Program grant contains a number of benchmark goals aimed at increasing the preparedness and surge capacity of hospitals and health clinics in Los Angeles County. One of the benchmark goals specifically addresses the need to train hospital and clinic personnel to recognize, treat, and refer patients exhibiting psychological health consequences related to bioterrorism and other public health emergencies. To help meet this goal, the Los Angeles County EMS Agency contracted with the RAND Corporation for an initial 1-year project to study the psychological health consequences of bioterrorism and other large-scale public health emergencies. EMS also provided RAND with funding to use results of this study to develop disaster plan training curricula and tools.

RAND worked closely with the EMS agency and with key partners from the County of Los Angeles Department of Public Health Emergency Preparedness and Response Program and the Department of Mental Health, Disaster Services, to develop these training materials. The RAND research from which the materials are drawn included interviews with hospital and clinic staff, literature reviews, government documents, input from experts, and pilot testing. We selected resources on the basis of work carried out as part of a 1-year evaluation to inform the development of this training. In the evaluation, we undertook three types of effort: 1) in-person semi-structured interviews at four health services provider organizations in Los Angeles County (an acute care community hospital with inpatient psychiatry, an acute care hospital without inpatient psychiatry, a children's hospital, and an inner city outpatient clinic); 2) telephone interviews with health officials and medical staff in Washington, DC and Toronto, Canada, to learn from the SARS and anthrax events; and 3) review of approximately 250 articles, documents, and resources to identify and consolidate existing knowledge of mental health aspects of such events. We sought to identify and train on the strategies that are well-supported by scientific studies. However, in some cases, like with psychological first aid (PFA), the strategies have not been formally evaluated. Still, these are the best strategies we have currently. These are informed by other evaluated approaches and have been adapted for the disaster mental health content.

The overall goal of this effort is to give Los Angeles County hospitals and clinics the tools they need to address the psychological reactions of staff, patients, and the community to a large-scale public health emergency. This manual provides protocols, templates, and tools that clinic and hospital staff can use to better prepare their facility and to follow in addressing psychological casualties after an event.

Module 1: Training for Administrative and Disaster Planning and Response Staff (1 hour)

Content. This training module illustrates the importance of preparedness by walking participants through selected real events (severe acute respiratory syndrome (SARS) in Toronto; a sarin attack in Tokyo, Japan; and an anthrax attack in Washington, DC), emphasizing how the events sharply

increased demand for psychological services. Specific examples are provided for how mental health professionals can support hospital and clinic staff in their jobs. The module provides an overview of key concepts and tools, and includes interactive lessons using brief hypothetical situations (radiological dispersal device or "dirty-bomb" and pandemic-influenza or "pan-flu" scenarios).

Intended Audience. The module is intended for administrative staff and those staff responsible for disaster planning and response in clinics and hospitals but may also be informative for all types of staff. These staff are typically administrators, but may include medical and mental health clinicians, or safety and quality staff.

Module 2: Training for Clinical, Mental Health, and Non-Clinical Staff (1 hour)

Content. This second training module is for clinical, mental health, and non-clinical staff who work in hospitals and clinics. This module emphasizes how mental health staff can best work with and support medical staff in preparing for and responding to large-scale events that result in a surge of psychological casualties. It incorporates information on integrating mental health into disaster preparedness and response, including how to address cultural and structural barriers within the facility. The module describes psychological "triggers" and associated reactions and illustrates how to make the best use of mental health staff by reviewing key locations vulnerable to psychological effects. The module focuses on use of evidence-informed practices, techniques, and tools for addressing the psychological needs of various populations (patients, families, and facility staff).

Intended Audience. This module is intended for clinical, mental health, and non-clinical staff in clinics and hospitals who may interact with large numbers of patients, families, and staff during a disaster. Clinical and mental health staff include physicians, nurses, psychiatrists, social workers, licensed marriage and family therapists (LMFTs), psychiatric nurses, psychiatric technicians, psychologists, chaplains, and employee assistance program (EAP) staff. Non-clinical staff who may also benefit from this training include reception clerks, security personnel, and volunteers.

Module 3: Training for County Disaster Mental Health Staff (2 hours)

Content. This additional two-hour module is available (on the County Web site) for mental health clinicians who are dispatched to the field during disasters. This module provides an overview of hospital and clinic culture for disaster response workers and reviews worker functions and reporting roles. Part of the module focuses on interacting and intervening with patients, family members, and hospital and clinic staff, including those from various cultures. Psychological reactions and interventions to target specific population needs are addressed; the module includes interventions for needs immediately after an event and for a more sustained response. The module concludes with an interactive session for small groups to discuss best practices in providing early intervention and follow-up care for those identified as having mental health needs.

Intended Audience. This module is intended for disaster mental health specialists who work for the Los Angeles County Department of Mental Health.

Appendix: Tools and Resources

Tools

In this binder we provide the following tools:

- Definitions of Selected Medical Concepts and Countermeasures
- the HICS Mental Health Unit Leader Job Action Sheet
- the HICS Employee Health & Well-Being Unit Leader Job Action Sheet
- Recommended Actions for Preparing Facilities to Address the Psychological Aspects of Large-Scale Emergencies
- Algorithm for Triaging Mental Health Needs
- Readiness for Events with Psychological Emergencies Assessment Tool (REPEAT)
- Health care facility posters
- Psychological First Aid (PFA)
 - Tips for Talking with Adults
 - Tips for Talking with Children
 - Reference card
 - NCPTSD handouts
- Four Scenarios for "Break-Out" Sessions.

Resources

We provide copies of brochures and tip sheets for survivors and workers from Substance Abuse and Mental Health Services Administration (SAMHSA), all of which can be found in this binder and at the SAMHSA Web site: www.mentalhealth.samhsa.gov/dtac.

- Tips for Emergency and Disaster Response Workers: Managing and Preventing Stress
- Tips for Survivors of a Traumatic Event: Managing Your Stress During a Disaster
- Tips for Survivors of a Traumatic Event: What to Expect in Your Personal, Family, Work, and Financial Life
- Tips for Talking to Children in Trauma: Interventions at Home for Preschoolers to Adolescents
- Tips for Talking to Children After a Disaster: A Guide for Parents and Teachers.

A copy of the PFA tip sheet from the **Uniformed Services University of the Health Sciences** (USUHS) is also included in this binder or at the USUHS web site: www.usuhs.mil.

• Psychological First Aid: Helping Victims in the Immediate Aftermath of a Disaster.

In addition, we include two SAMHSA brochures about providing PFA:

- Managing Stress: A Guide for Emergency and Disaster Response Workers
- Psychological First Aid: A Guide for Emergency and Disaster Response Workers.

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This first set of readings from module 1 provides additional information recommended for all hospital and clinic staff.

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