


driving readiness in
dynamic times

Disaster Planning for
California Hospitals

Fifteen Minutes ‘til 50 Patients — Rapid Response to Mass Casualty Incidents

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“15 `til 50” MCI Response Plan

Executive Briefing



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Objectives

- Describe the “15 `til 50” Mass Casualty Incident (MCI) Response Methodology
- Demonstrate how to implement “15 `til 50” in any facility
- Identify “15 `til 50” Toolkit Resources


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Agenda

- Overview
- Initiation Activities
- Set-up Procedures
- Roles and Responsibilities
- 15 'til 50 Toolkit
- Questions


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Overview

What is 15 'til 50?

- Program designed to enable hospital staff to receive a surge of 50 or more patients within 15 minutes of notification of an MCI
- Rapid deployment of staff, supplies, and equipment
- Process initiated using existing supplies and equipment
- The 15 'til 50 model has been developed, tested, and modified over the past 10 years



CASE STUDIES

Henry Mayo Newhall Memorial Hospital

The implementation of the 15 'til 50 program enabled staff at Henry Mayo to build on their existing triage, registration, and continuity programs through the enhancement of medical surge readiness efforts.


Providence Little Company of Mary Medical Center
Torrance

Applied best practices from the 15 'til 50 program allowed LCMHC staff to strengthen their emergency management program by enhancing capacity during the first crucial minutes of a disaster. Today, executive staff are leading an integrated approach to mass casualty incident planning that includes emergency management and business continuity.

Children's Hospital of Orange County (CHOC)

CHOC implemented the 15 'til 50 program to enhance their readiness to respond to a mass casualty incident resulting in a surge of pediatric patients.

This program was sponsored by the Los Angeles County Emergency Medical Services Agency and funded in part by the Hospital Preparedness Program, U.S. Department of Homeland Security (HHS). Applied Services for Preparedness and Response (ASPP) Program is leading. This award has been assigned the Federal Award Identification Number (FAIN) 494500020.



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15 Minutes in 28 Seconds



Overview

Disaster Response Solution “15 ‘til 50...”

- Rapid deployment
- Designated response
- Vetted through over 30 exercises and actual events
- Plug-and-play model
- Implemented in 10 southern California hospitals and counting



Gap Analysis > 50% Gap

Respondents identified the following gaps:

- Lack of MCI training programs for emergency department (ED) staff and physicians
- Lack of MCI training programs for ancillary/support department staff
- Inability to manage 50 patients in 15 minutes
- Lack of triggers for numerous operations and responses
- No plans for family information center activation
- Lack of standing medication orders for disaster response

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Initiation



Initiation

Emergency Department Code TRIAGE Response
Job Action Sheet/Checklist
Role: ED Charge Nurse

- ED notified via MAC/ReddiNet
- Notify House Supervisor
- House Supervisor will initiate Code TRIAGE with PBX
- ED Charge Nurse/Nurse Manager to assign staff for response
- Distribute Treatment Area assignment tool boxes
- ED staff to establish External Treatment Area
- ED staff to establish Minor Treatment Area

(Continued on next slide)

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Initiation (cont.)

Job Action Sheet/Checklist continued
from previous slide

- Don Personal Protective Equipment (PPE)
- Internal ED Charge Nurse to clear out existing patients to receive “NEW” victims
 - ▢ Establish “Mini Inpatient Units” in department
 - ▢ Assign responding inpatient RNs to staff mini units
- Turn on handheld radio and conduct radio check(s)
- Update MAC and Incident Command as new info is received

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Initial Activities



- Roles assigned
- Triage (internal) closed
- FT emptied into waiting room
- Patients processed for discharge or admit
- Floor RNs/CNAs come for immediate admissions
- Consolidate remaining patients
- Count of available beds to Disaster Lead
- Emergency Department doors secured

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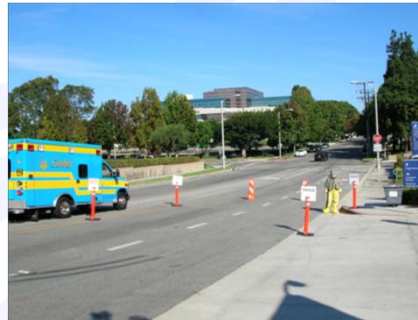




Set-up Continues



Ambulance Drop-Off



Traffic Control

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Set-up Complete



Delayed



Immediate

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Set-up Complete (cont.)

Minor Treatment Area



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Set-up Complete (cont.)

- 10–20 gurneys to staging
- 10–20 wheelchairs to staging
- Shower trailer moved & set-up
- Set-up cots
- Set-up canopies
- Signs posted
- Supply carts out
- 20 IV lines ready
- 20 oxygen tanks ready
- PPE donned
- Treatment area teams ready
- Radio checks

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Roles — Hospital Command Center

- Hospital Command Center activated and coordinates
 - Equipment
 - Personnel and labor pool
 - Ancillary support services
 - Patient flow into hospital departments
- Communicates with Disaster Lead and all Departments



A photograph showing several people in a control room. One person is wearing a yellow vest with 'HOSPITAL LIAISON OFFICER' written on it. Another person is wearing a white vest with 'HOSPITAL LIAISON OFFICER' written on it. They are sitting at a desk with multiple computer monitors.



Simultaneous to set-up, within the first 15 minutes

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Roles — Treatment Areas

Emergency Department Staff

- Disaster Lead (External) – RN
- Charge (Internal) – RN
- Set up & Decon – Techs/CCTs
- Triage – RN
- Minor Treatment Area Team
 - 2 RNs + MD + Registrar + RT
- Immediate Treatment Area Team
 - 2 RNs + MD + Reg + RT
- Delayed Treatment Area Team
 - 2 RNs + MD + Reg + RT

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Roles — Inpatient Units

- ICU/Tele/Med-Surge
 - Safe patient hand-off
 - Two RN's from each unit report to Emergency Department Lead
 - Facilitate patient flow
 - Set-up

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Roles — Pharmacy & Radiology

Pharmacy

- Pre-stocked Med Carts
- Deploy to
 - Immediate/Delayed Treatment Area
 - Minor Treatment Area
- Pharmacy Tech to ED

Radiology

- Deploy to Treatment Areas
- C-Arm
- Portable X-Ray
- PACS Carts

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Roles — Case Managers

- Increase bed surge capacity to accommodate an influx of patients resulting from MCI
- Coordinate discharge of patients
- Establish a patient discharge area
- Coordinate activities to expedite discharge including transportation
- Assist the Family Information Center
- Provide PsySTART assessments

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Roles — Public Safety

- Facility lockdown
- Access control
- Traffic control
- Crowd control
- Ongoing/PD assist



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Roles — Facilities/Plant Operations

- | | |
|---|---------------------------------|
| ▪ Immediate facilities structure evaluation | ▪ Assist with decontamination |
| ▪ Immediate systems check (True assessment = 1.5-2 hours) | ▪ Assist with infection control |
| ▪ Check structural integrity | ▪ Assist with patient transport |
| ▪ Report findings to HCC | ▪ Assist as runners |
| ▪ Deputize on-site construction personnel to assist | ▪ Ensure utilities are viable |

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Patient Care



Triage and treat patients as they arrive

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“15 `til 50...” Toolkit




Toolkit

15 'til 50 MCI Toolkit

- Comprehensive suite of resources to implement 15 'til 50
 - Guide
 - Plan Template
 - Videos
 - And more
- Use existing supplies so cost is minimal



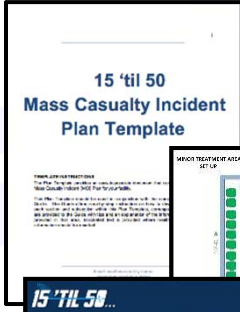


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Toolkit

Toolkit Resources

- MCI Guide and Template
- Multimedia library
- Toolkit Library
 - Creating buy in
 - Sample exercise materials
 - Training material
 - Sample maps & forms
 - Much more

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15 'til 50 MCI Plan Template

15 'til 50 Mass Casualty Incident Plan Template

TEMPLATE INSTRUCTIONS
The Plan Template provides an easy-to-populate document that can be used to create a Mass Casualty Incident (MCI) Plan for your facility.


This Plan Template should be used in conjunction with the companion 15 'til 50 MCI Guide. The Guide offers step-by-step instructions on how to develop your plan. For each section and subsection within this Plan Template, corresponding page numbers are provided in the Guide with tips and an explanation of the information that should be provided in that area. Bracketed text is provided where healthcare facility specific information should be inserted.

Insert healthcare entity name
Insert plan version number
Insert date of last revision
Insert healthcare entity logo

MCI Plan Template

The Plan Template provides an easy-to-populate document that can be used to create a MCI Plan for your facility

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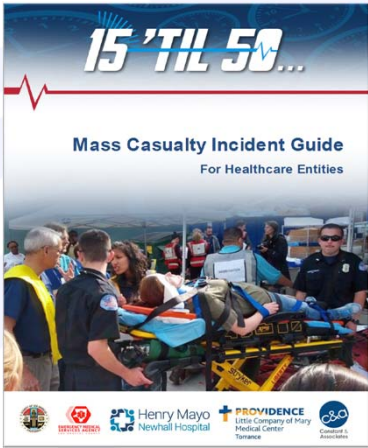
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MCI Guide

MCI Guide

The Guide provides a comprehensive explanation of the 15 ‘til 50 model. It offers a step-by-step walkthrough for developing a 15 ‘til 50 Program



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MCI Guide Table of Contents

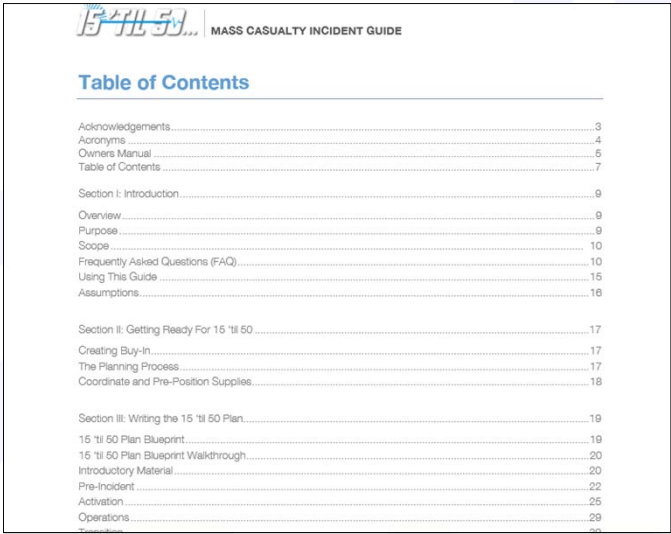


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Roles in “15 ‘til 50”



MASS CASUALTY INCIDENT GUIDE

Appendix H: How Is Each Department Involved In 15 ‘til 50?

The 15 ‘til 50 model emphasizes the strong role that ancillary and support departments play in a mass casualty incident. The table below lists various departments within hospitals, their role during a 15 ‘til 50 MCI, staff, supplies, and role within HICS.

Table (7): Department roles in 15 ‘til 50

Department	Role	Staff	Supplies	HICS
Behavioral Health	Provide PsySTART services in the Triage and Treatment areas	Any available staff, social services, chaplains	PsySTART triage forms	Behavioral Health Unit Leader and/or Social Services Appointee
Blood Bank	Fill supply orders as requested	Blood Bank Tech on duty or designee	Blood Products	N/A
Case Management	Increase bed surge capacity from a low of 10% of the current bed inventory to a high of 30% of the current bed inventory to accommodate an influx of patients resulting from a mass casualty incident. Coordinate discharge of patients meeting criteria for rapid discharge for inpatients and emergency department patients with physicians. Establish a patient discharge area to free beds until patients can be discharged or transferred and transported in a lobby or other lounge area. Coordinate activities to expedite discharge including transportation. Assist in the Family Information Center by providing psychological first aid. Provide PsySTART assessments.	Case managers on duty	Phones Laptops Additional supplies for the PIC	Director may be assigned to the role of Medical Care Branch Director or Inpatient Care Unit Leader
Central Supply/Supply Chain	Restock supplies as requested	Staff on duty or as requested	Per request	Logistics and/or Planning Sections
Chaplain	Provide mental health and spiritual care services Support Family Information Center activities and Expectant or Palliative Care services	Staff on duty or on call	N/A	Patient and/or Family Assistance

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Multimedia



MCI Multimedia


MCI Multimedia connects the user to all media files (photos, video and audio) relating to 15 ‘til 50 MCI planning.

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Toolkit Library

Supplemental materials to aid with the design and implementation of the 15 'til 50 program, including:

- Train the trainer program
- Health care responder training program
- Presentation material
- Patient care forms
- Job Action Sheets
- Sample plans
- Executive briefing materials
- Maps



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Toolkit Available Resources



<http://cdphready.org/15-til-50-mass-casualty-incident-toolkit/>

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Putting it All Together



QUESTIONS?

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Thank You!

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