



Tehran University
of Medical Sciences



Disaster & Emergency
Management Center

Tehran, Iran
09-20 Esfand

6th National Training Course Disaster Health Management & Risk Reduction DHMR-6

28 February- 11 March 2015

Lecture title

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Disaster Health Management & Risk Reduction Training Course (DHMR)

DHMR curriculum is developed by a joint collaboration between School of Public Health and National Institute of Health Research of Tehran University of Medical Sciences through a grant awarded from International Association of National Public Health Institutes (IANPHI) and technical consultancy of World Health Organization (WHO) that took place on 15-30 October 2008.

DHMR-6 Course is organized by:

- **Tehran University of Medical Sciences**
 - Department of Disaster Public Health at the School of Public Health
 - Department of Health in Emergencies & Disasters at the National Institute of Health Research
- **Ministry of Health & Medical Education, I.R.Iran**
 - Disaster & Emergency Management Center



Module Objective

At the end of the module,
you the participants must be able

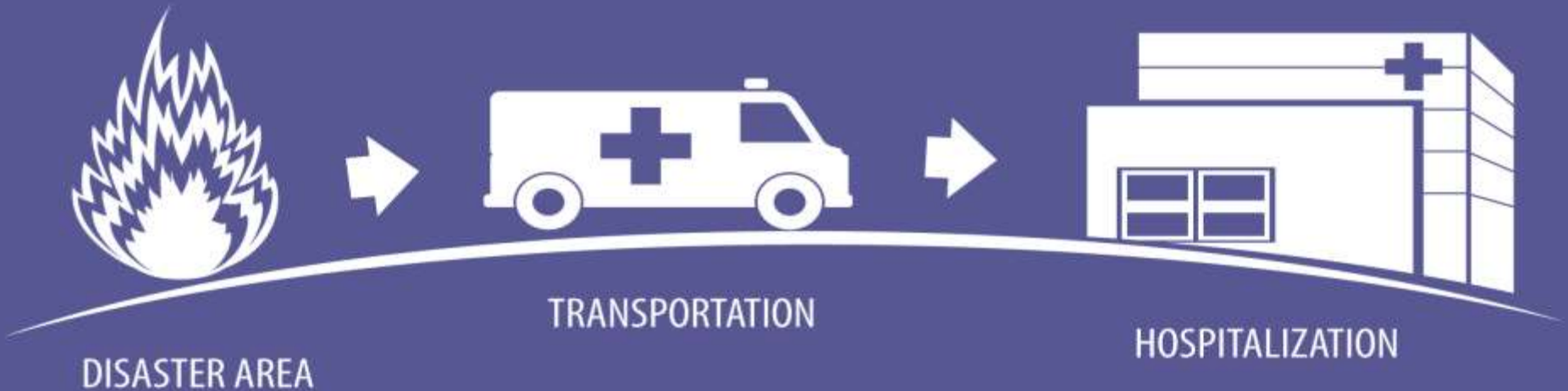
to formulate a hospital preparedness plan for patient surge during mass casualty incidents (inclusive of a training plan for capacity building).

Mass Casualty Management

BASIC RESCUE CHAIN

Search
Rescue
Triage
First Aid

Triage
Definitive Care



خدمات در محل بحران

Mass Casualty Management BASIC RESCUE CHAIN

Search
Rescue
Triage
First Aid

Triage
Definitive Care



DISASTER AREA



TRANSPORTATION



HOSPITALIZATION

خدمات در محل بحران

- سازماندهی تیم های سیار
- نقلیه
- تجهیزات
- تهیه نقشه ها
- هلال احمر
- بسیج جامعه پزشکی
- مردم

تریاج مجدد-پذیرش

Mass Casualty Management BASIC RESCUE CHAIN

Search
Rescue
Triage
First Aid

Triage
Definitive Care



DISASTER AREA



TRANSPORTATION



HOSPITALIZATION

Module 3 deals with emergency medical services system in which victims of the disaster are brought to a hospital for further treatment and definitive care.

Hospital Preparedness

- محل
- نقشه
- سیستم فرماندهی بحران (ICS)
- اتاق فرماندهی بحران (OC) ← (EOC)
- ارتباطات
- فراخوان
- نیروهای داوطلب

$$R=H*v/p$$

- risk

آسیب (سازہ ای-غیرسازہ ای-فعالیتی)

Mass Casualty Management BASIC RESCUE CHAIN

Search
Rescue
Triage
First Aid

Triage
Definitive Care



Module 4 deals with hospital preparedness for mass casualty incidents.
(Assumption: Hospital is structurally intact).

مشكلات اصلي بیمارستان

What do you think is the usual challenge that a hospital will face, or what is a hospital's usual concern, when it learns that there is mass casualty incident occurring nearby?

Hospital Preparedness for Mass Casualty Incidents

هجوم مصدومين

Surge of Patients

What is your concept of surge of patients?

Is there a specific number of patients or victims that will qualify for the concept of surge of patients?

Should the casualty always be due to trauma? What are the more common causes of surge of patients in your country?

Who usually decides if there will be or already has a surge of patients to the hospital?

Surge of Patients

A condition in the emergency department (ED) wherein there is an observed abnormal and sudden increase in the number of patients which outnumber the existing resources of the ED in terms of manpower, space, drugs, medical equipment and supplies as assessed by the emergency room officer (consultant-on-duty) and/or ED chairman.

Surge of Patients

Surge of patients can be due to any cause.

Trauma or non-traumatic

As long as there are a lot of patients that overwhelm the capacity of the hospital

Need for Surge of Patients Preparedness Plan in Hospitals

Do you think there is a need for ALL hospitals to have a preparedness plan for surge of patients?

If NO, why?

If YES, why?

Module Objective

At the end of the module,
you the participants must be able

to formulate a hospital preparedness plan for patient surge during mass casualty incidents (inclusive of a training plan for capacity building).

Expected Outputs

Formulation of a hospital preparedness plan for surge of patients after performing a situational analysis in your country.

Formulation of a draft of recommended training plan for hospital preparedness for surge of patients in your country.

Strategies to Achieve Module Objective and Expected Outputs

Your role as PARTICIPANTS -

Managerial problem-solving approach on capacity building

Planning for preparedness

Emergency preparedness and response plans

Training program

System development

Strategies to Achieve Module Objective and Expected Outputs

My role as FACILITATOR –

Shows you a sample of how to conduct a training course on hospital preparedness for surge of patients using the problem-solving approach

Will NOT do much lecturing

Will NOT be prescriptive

May suggest

HOSPITAL VULNERABILITY

When you do not think about the vulnerabilities.....it can happen that you have to evacuate the hospital.....even big hospitals of industrialized countries have NOT conducted in time a vulnerability assessment so that they had to evacuate....a great loss of money even if a big media show....











Ambulatory PAT's will get 1st class ride!

EXERCISE

- Use the data you have (real hospital)
- Get familiar with this hospital
- Decide how you would like to undertake a vulnerability analysis (hazard/ event? Element exposed ?)
- Make a qualitative vulnerability analysis (use the worksheets)
- PREPARE RECOMMENDATIONS
 - For the hospital assessed during the exercise
 - For the health sector (development of a policy, of a plan of action...)



