



Operations Division  
Exercise and Operational Training

## E.M.S Response To Terrorism

# "The Israeli Experience"

**GUY CASPI**

Chief MCI Instructor and Director of Exercises and Operational Training  
Operations Division

**MAGEN DAVID ADOM IN ISRAEL**

**Israel National EMS and Blood Services**

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Operations Division  
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## What We Do ...

### The Israeli National E.M.S System

- ✧ Pre - hospital care
- ✧ National Blood Services
- ✧ Emergency Medicine Instruction
- ✧ National Red Cross Society
- ✧ Civil Auxiliary Service To  
The I.D.F (Israel Defense Forces )

M.D.A. Runs  
544,355  
E.M.S  
Dispatches  
Annually  
An Average  
of  
1,491  
Rides per day  
(2009).

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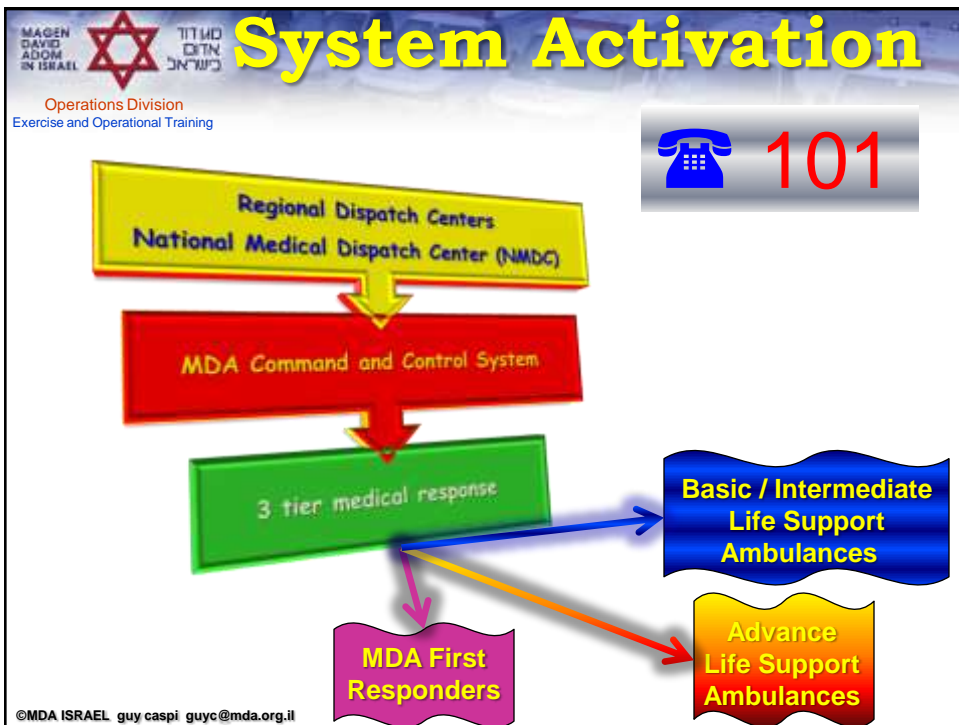
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# M.D.A. Resources

Operations Division  
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- ✧ **1,545** Employees
- ✧ **11,450** Volunteers
- ✧ **1** National Medical Dispatch Center (NMDC)
- ✧ **11** Regional Dispatch Centers
- ✧ **115** Dispatch posts
- ✧ **160** A.L.S. Ambulances
- ✧ **499** B.L.S / I.L.S Ambulances (including emergency storage)
- ✧ **172** B.L.S / I.L.S Ambulances in remote locations
- ✧ **94** First Responders motorcycles
- ✧ **24** Multi Casualty Response Vehicle (M.C.R.V)
- ✧ **1** Air Med Unit

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**Scenarios**  
 Operations Division  
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- ✧ **Conventional Multi Casualty Incident (M.C.I), Mega M.C.I**
- ✧ **Haze Mat incidents , Toxicological Multi Casualty Incident (T.m.c.i)**
- ✧ **Radiological incidents**
- ✧ **Biological scenarios**
- ✧ **Natural Disasters**
- ✧ **War time**

**Terrorism**

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**Preparedness For  
 Emergency Scenarios**  
 Operations Division  
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- ✧ **Integrated Doctrine**
- ✧ **Guidelines and Protocols**
- ✧ **Personal Protection Equipment**
- ✧ **Designated Gear, C & C Accessories**
- ✧ **Basic Training, Continues Education Programs**
- ✧ **Combined Training Programs, Drills And Exercises**
- ✧ **Emergency Agencies Coordination**
- ✧ **Alertness Inspection**
- ✧ **Level Of Alert**

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# Preparedness



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# Medical response

- Emergency Medical Services
- Volunteers (medical)
- HealthCare providers in the community
- Hospitals
- Military medical corps

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- Cooperation mean:**
- MAGEN DAVID ADOM IN ISRAEL תיחוד אדום כינערא
- Operations Division  
Exercise and Operational Training
- ✧ Doctrine, Procedures , army regulations
  - ✧ Training, Drills, Exercises
  - ✧ R&D
  - ✧ Routine scene response
  - ✧ Emergency scenarios response
  - ✧ Debriefings ,mutual conclusions Drawing
  - ✧ Lessons learned & assimilation
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MAGEN DAVID ADOM IN ISRAEL **Bus stop bombing**  
**Jerusalem March 23th**  
 Operations Division  
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- ✧ First call - 15:05
- ✧ First unit at scene - 15:07(BLS), 15:10 (ALS)
- ✧ First evacuation - 15:14
  
- ✧ 40 casualties : 1 critically, 3 severe ,5 moderately ,31 mildly.
- ✧ 6 ALS units, 37 BLS units, 1 MVRC, 14 Motorcycles
- ✧ 95 units of blood and blood components

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MAGEN DAVID ADOM IN ISRAEL **Years Of Terrorism**  
 Operations Division  
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**30,595 Terrorist attacks since 9/29/00**

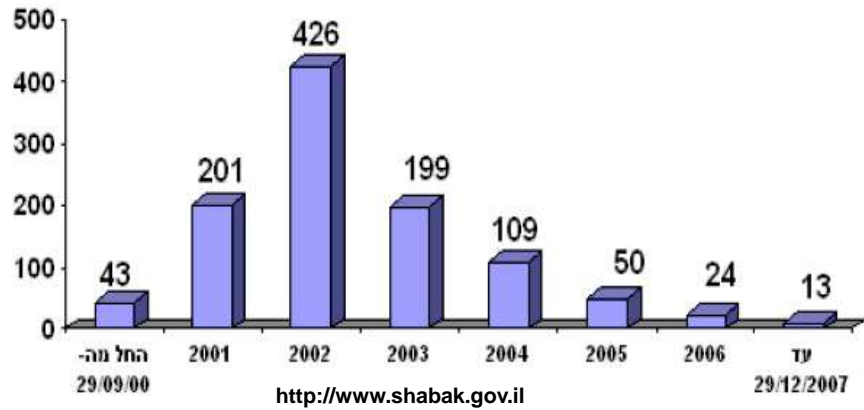


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MAGEN DAVID ADOM IN ISRAEL **שירות המבחן** **Years Of Terrorism**

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**1,065 killed in Terrorist attacks since 9/29/00**

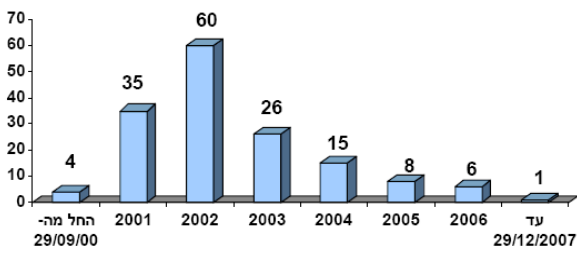


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MAGEN DAVID ADOM IN ISRAEL **שירות המבחן** **Years Of Terrorism**

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**155 Suicide Attacks**



**525 people were killed in Suicide Attacks**



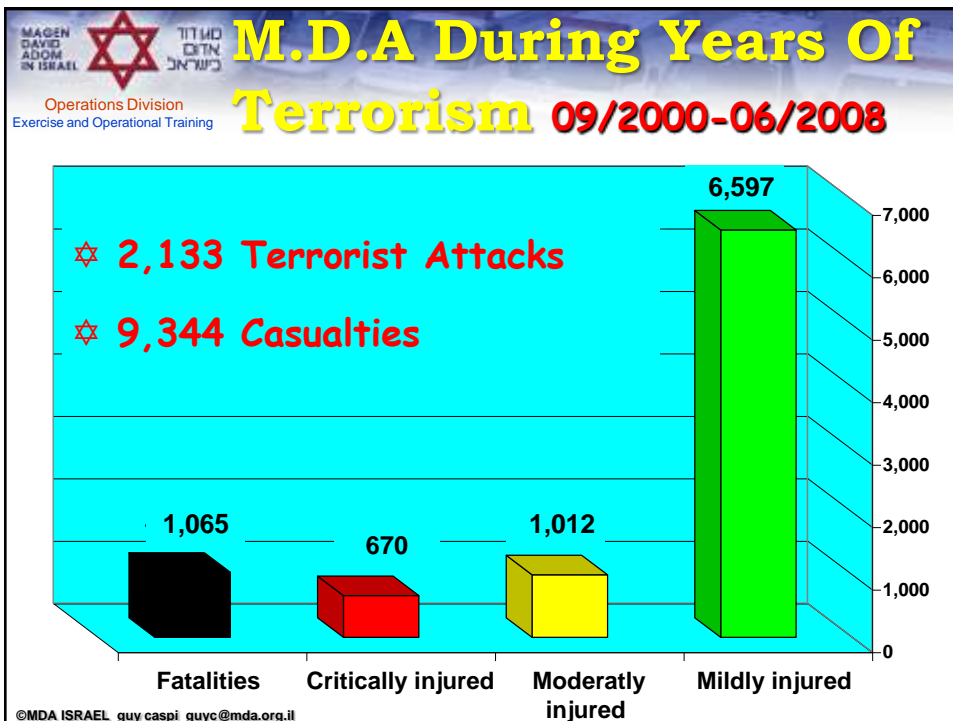
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**Suicide Bombers Attacks**  
**Less Than 0.5% From The Total Number Of Terrorist Attacks**  
**49.3% From The Total Number Of Fatalities In Terrorist Attacks**

9/29/00-12/12/07

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# **”Walking Smart Bomb“**

- ★ **Determined To Act**
- ★ **Can Not Be Stopped**
- ★ **Have The Ability To Choose The Time And The Place**

# **M.D.A ACTIVITY IN THE SUICIDE TERRORIST ATTACK**

**JERUSALEM ,Sunday, 1/29/2004**

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# The Time Frame

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**8:51 AM - FIRST CALL FROM BYSTANDERS ABOUT A EXPLOSION IN A BUS IN JERUSALEM**

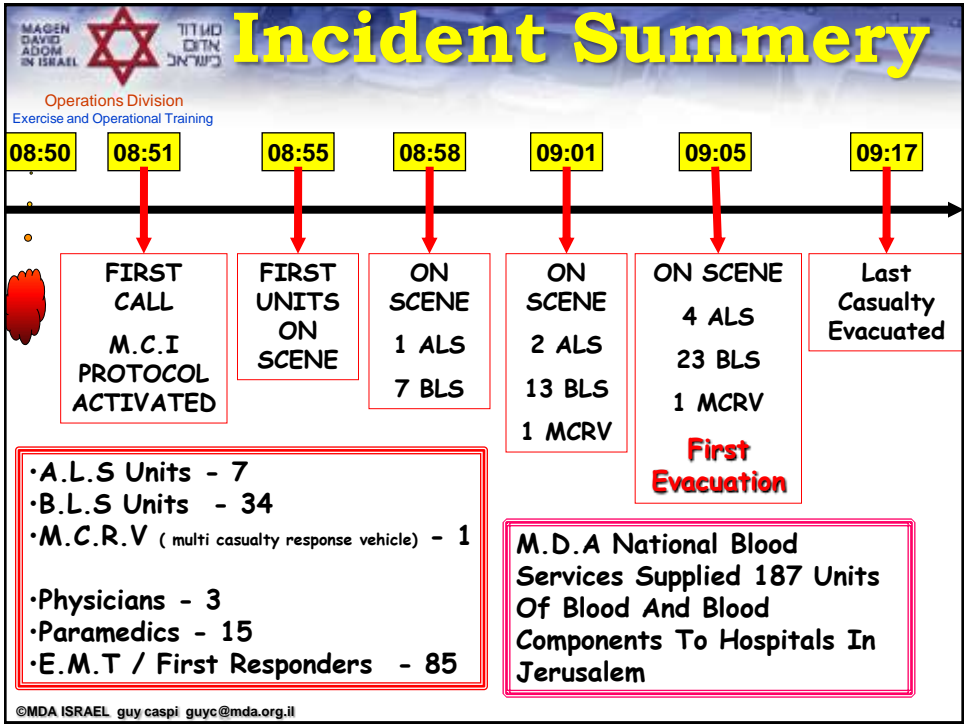
**8:51 AM - M.C.I. PROTOCOL ACTIVATED**

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# Incident Summery

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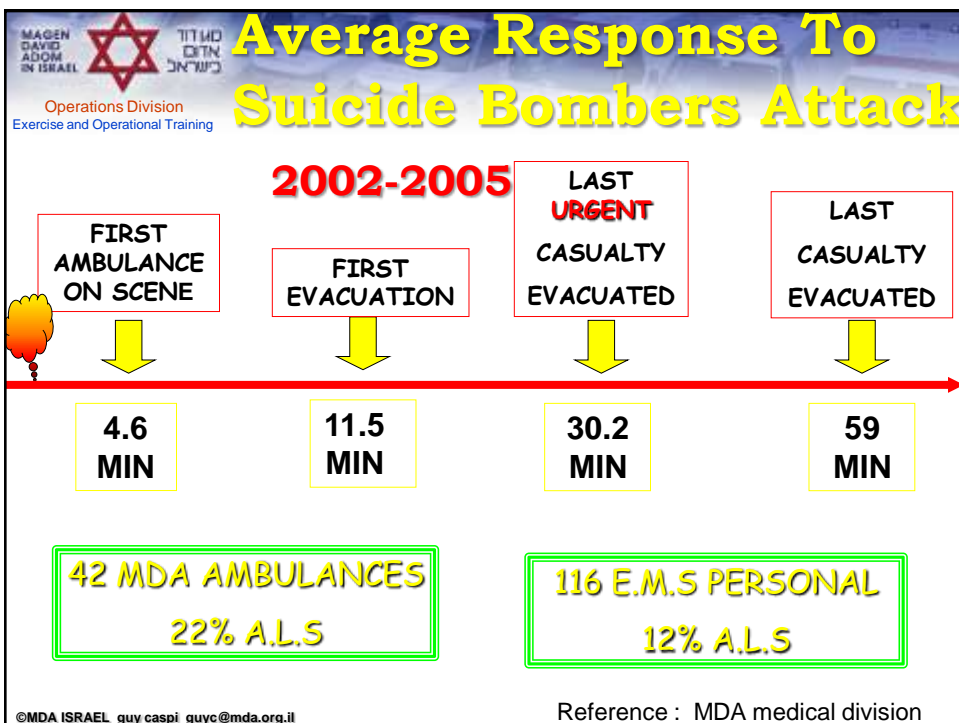
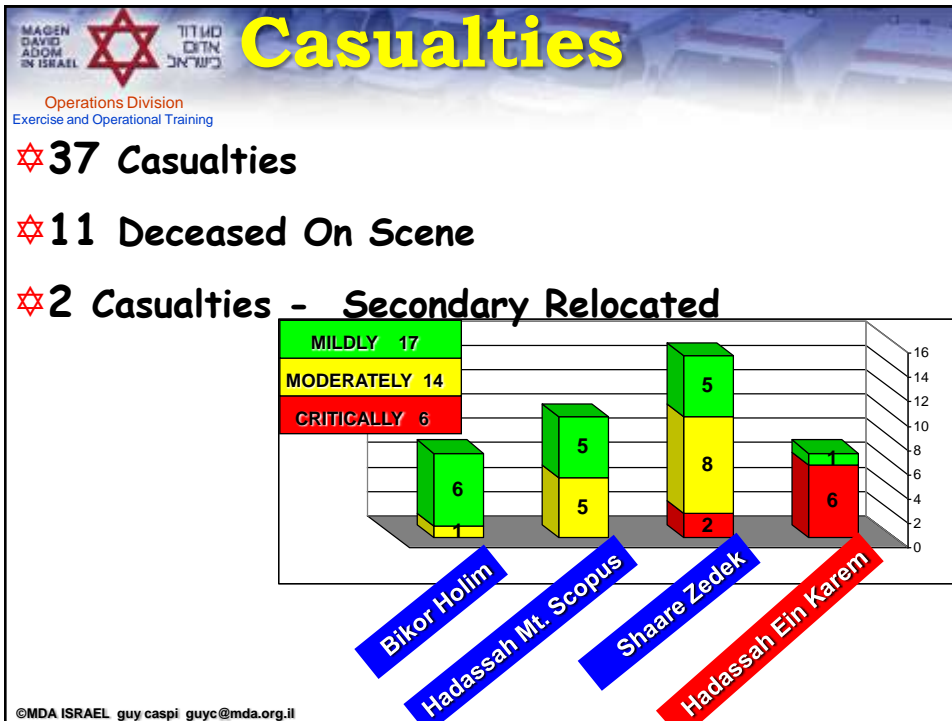



08:50	08:51	08:55	08:58	09:01	09:05	09:17
Explosion	FIRST CALL M.C.I. PROTOCOL ACTIVATED	FIRST UNITS ON SCENE	ON SCENE 1 ALS 7 BLS	ON SCENE 2 ALS 13 BLS 1 MCRV	ON SCENE 4 ALS 23 BLS 1 MCRV <b>First Evacuation</b>	Last Casualty Evacuated

- A.L.S Units - 7
- B.L.S Units - 34
- M.C.R.V ( multi casualty response vehicle) - 1
- Physicians - 3
- Paramedics - 15
- E.M.T / First Responders - 85

M.D.A National Blood Services Supplied 187 Units Of Blood And Blood Components To Hospitals In Jerusalem

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**Multi Casualty Incident**  
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**What's Not Simple..**  
**Simply Won't Be ....!!!**

- ✧ Arrival And Primary Report
- ✧ Establish M.D.A Medical Command
- ✧ Triage & Life Saving Procedures
- ✧ Rapid Evacuation According To  
Distribution & Regulation Principles

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**Challenges and Difficulties**  
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- ✧ **Chaos Exist !**
- ✧ **Safety : Secondary Explosion**
- ✧ **Where are the casualties ?**
- ✧ **Can we save them all ?**
- ✧ **"Scoop & run" Or "Stay & play" ?**
- ✧ **Recourses & Managing**

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# The Goal

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The Goal Of All Responders Should Be:

**"Save as Many lives as Possible"**

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# Regional Dispatch Center Activities:

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- ✧ "Worst Case" Scenario
- ✧ Do we Have a Situation ?
- ✧ Protocol /Checklist Activation
- ✧ **Response .....**
- ✧ Hospital Representative Activation
- ✧ Incident Situation
- ✧ Distribution & Regulation Of Casualties
- ✧ Response To Routine Calls
- ✧ Secondary Casualties Relocation

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**Scene Reinforcement**  
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# During M.C.I

**M.D.A  
LEVEL OF ALERT**

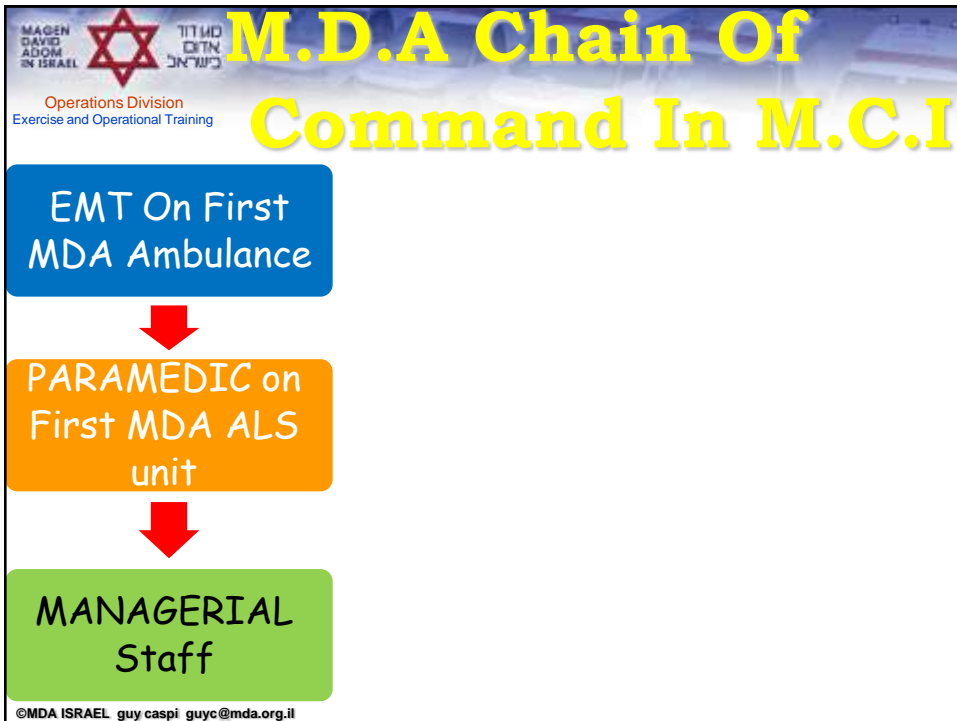
- ✧ First Responders & Volunteers
- ✧ Crews On Alert (Ambulance's At Home)
- ✧ Regional Mutual Aid
- ✧ Ambulances In Training Courses
- ✧ The "Market Forces" (Bystanders )
- ✧ Pagers


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**Crews En Route**  
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- ✧ Staff Briefing
- ✧ Personal Protection Gear
- ✧ Organizing M.C.I Equipment

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# Principle Of Command & Control

- ☆ Scene Evaluation
- ☆ Primary Report To Dispatch Center


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## Principle Of Command & Control...

- ✧ Scenario Evaluation
- ✧ Primary Report To Dispatch Center
- ✧ Incident Commander Declaration
- ✧ Joining Of Emergency Agencies Commanders On Scene
- ✧ Division Of Scene Into Sectors
- ✧ Team Activation To The Sectors

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## Crews Activity In The Sectors

- ✧ Localization Of The Casualties
- ✧ Removing Casualties From Danger Zone
- ✧ Triage & Life Saving Procedures
- ✧ Marking
- ✧ Report To Incident Commander

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# Conmen Injuries

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- ✧ Blast Injury
- ✧ Blunt Injury
- ✧ Penetrating Injury
- ✧ Burn Injury

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# Filed Medical Care

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## Life Saving Procedures On Scene

- ✧ Air Way Control / Intubation
- ✧ Needle Application
- ✧ hemorrhage control  
(Direct Pressure /Tourniquet)

3%-5% of the casualties  
Need them

## Continuance Procedures On Route

- ✧ I.V. Fluids ,Additional Medical Care, Etc.
- ✧ Casualties Medical Escort

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MAGEN DAVID ADOM IN ISRAEL **מגן דאודים אדום** **Casualties Marking**

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⚡ **Medical Documentation**

⚡ **Triage For Treatment & Evacuation**

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MAGEN DAVID ADOM IN ISRAEL **מגן דאודים אדום** **Death Percentage**

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Location	Death Percentage
Inside buses	18.0%
Confined spaces	14.3%
Open spaces	7.9%

Blumenfeld A et al: The medical characteristics of MCI. Trauma Branch, IDF-Medical Corps. 2004

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# Principle Of Command & Control...

- ✧ Updating Dispatch Center
- ✧ Responding Agencies Coordination
- ✧ Definition Of Arrival & Evacuation Routes
- ✧ Evacuation Of Casualties  
**A. S. A. P.**

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# Principle Of Command & Control...

- ✧ Distribution And Regulation Of Casualties By Dispatch Center
- ✧ Continued Medical Treatment
- ✧ Staging & Treatment Site On Scene ?

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# After The Blast

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- ✧ **Evacuation Of All Casualties**
- ✧ **Deceased On Scene**
- ✧ **Back To Full Operational Ability**
- ✧ **Debriefing**

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# Debriefing

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- ✧ **Primary Data Collection**
- ✧ **Operational Debriefing**
  - **What we have done right ?**
  - **What we have done wrong?**
  - **What we have done right but can done Better ?**
  - **What we have done to prepare ourselves for that we have not yet experienced?...**
- ✧ **Medical Debriefing**
- ✧ **Critical Incident Stress Debriefing**

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## What Have We Learned?

- ✓ Who Make The Decision ?
- ✓ M.C.I Checklist / Protocol
- ✓ Hospitals Coordination & Notification
- ✓ **Managing Within The Chaos !**
- ✓ Should We Wait For The Bomb Squad ?
- ✓ Scene Reinforcement & the "Market Force"
- ✓ Did We Fined All The Casualties ??
- ✓ Commanders Identification

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## What Have We Learned?

- ✓ Emergency Agencies Coordination
- ✓ Can We Get To The Scene And Out ?
- ✓ Initial Triage :
  - '**Those How Need Immediate Life Saving Procedures** And The Rest '
- ✓ Scene Clearance (Casualties & Crews)
- ✓ Secondary Casualties Relocation
- ✓ Preliminary Incident Debriefing

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Appreciate your listening  
And patience.....

**THANK YOU!**

For further information

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