WELCOME!

to the EMS Safety Foundation

at a PC/Laptop near you, December 12, 2011

Innovation, Collaboration and Knowledge Transfer and Policy

Starting at 2pm EST USA, Please do log in for sound checks from 1.15 pm

Oslo bombing / Utøya shooting

22.07.2011

Ronald Rolfsen
Adviser, Oslo university hospital
Pre-hospital centre / ambulance department

Background:

- EMS Safety Foundation has been established to fill a gap in
  - technical knowledge transfer
  - practical interdisciplinary R & D
  - evaluation and implementation of system safety enhancements for EMS and Medical Transport
- It is a not-for-profit institute

In a nutshell

- EMS Safety Foundation is a not-for-profit multidisciplinary virtual think – tank and test bed for safety innovation and knowledge transfer
- It is a virtual network integrating the end users and the technical experts
- A tool to enhance the safety of delivery of EMS services

R & D

“Ripoff and Duplicate”

- Avoid reinventing the wheel at all costs
- Where are the best practices that we need to transfer knowledge from

So what is a Webinar?

A Webinar is:

- Real time interactive web technology
- No other hardware is necessary aside from a computer connected to the internet and a microphone- if you choose to speak
- These interactive seminars can also be stored for later asynchronous use

Webinar Basics
use white board tools to mark your location...
- pick up the 'blue pen tool' and choose your color

AED geoLocation Challenge
to December 19th — send a pic and location info

Today’s Webinar is recorded!
The presentation and all comments typed in the text box will be available for viewing via the www.EMSSafetyFoundation.org website within 72 hours.

Or scan this eTag with your smartphone (after downloading the free Microsoft Tag App)

Oslo bombing / Utøya shooting
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Adviser:
Oslo university hospital
Pre-hospital centre / ambulance department

Norway
• 4 990 000 inhabitants
• 385.155 km²
• 25.148 km coastline
• 2300 km North to South
Pre-hospital centre
Area of responsibility

- Oslo and Akershus counties:
  - Emergency medical dispatch (113)
  - Ambulance service (air, sea and land)
  - Patient Transport Service

- Health Region South-East:
  - Regional medical disaster coordination (pre-hospital)
  - Air ambulance service (2 x RW and 2 x FW)
  - Doctor on S.A.R. helicopter (Rygge)

- National:
  - Medical teams for deployment to national and international disasters

Approx. 500 Employees:
- 350 EMT/Paramedics
- 45 EMT Apprentices
- 30 Dispatchers PTS
- 35 Nurses
- 15 Doctors
- 10 Instructors
- 25 Management and administration

Oslo 22.07.2011
15:25:22
A bomb explode

15:25 The first call come to Oslo ambulance control room (AMK)
There was approx. 80 calls the first couple of minutes
The control room was able to answer 40

Calls come from different locations in the city and with different causes:
- “Something fell from the roof – several people are injured”
- “Some glass has fallen down”
- “A building has collapsed”
- “An explosion, a working accident”
- “Person unconscious”
- “Seizure of some kind”
Respons to Oslo bombing

• Initially 13 units was dispatch to Oslo city
• After the severity became clear all available units was sent (15:31)
• 15:34 – The first patient was ready to be loaded in to an ambulance.
• Ambulances and other resources was brought in from districts around Oslo:
  – 59 ambulances (incl. 2 PTS busses)
  – 3 air ambulances (RW)
  – 2 SeaKing S.A.R. Helicopters
  – 11 volunteer ambulances

~ 17:00 we stared to re-organize

• All patients was evacuated
• New search trough the bombed buildings found only dead people
• Units from other services started to return home
• For our crews; food, rest and resupplying the vehicles.

10 patients was taken to hospital
80 was treated at Oslo walk in clinic
8 people killed

Utøya

• A camp for politically active youths (14 to 18 ++ years)
• About 650 – 700 people on the island

17:08 The perpetrator arrive on the island
17:24 The first call to AMK in Drammen
~ 17:30 a tsunami of calls
The event develops while the callers are on the line
17:26 The first call to the local police department
17:28 The first call come to Oslo AMK
~ 17:57 The first ambulance at Utvika, they could hear gunfire from the island
People start to come ashore, swimming from Utøya
Locals with boats starts bringing in people from the water, some with gunshot wound
Utøya

- A second landing place was organized on Storøya.
- Uncertain security situation on Utvika.
- Survivors are sent to Sundvolden hotel.

Utøya

- 18:27 the perpetrator are detained. Rumours that there are several shooters on the island.
- 19:20 Doctors and paramedics arrive Utøya, no survivors.
- 21:16 The last patient left Sundvolden hotel.
Utøya

• 68 people was killed on the island
• 1 died later in the hospital
• 66 was wounded
• ~ 500 survivors who needs different levels of help.

Resources

• 42 ambulances
• 6 Air ambulances RW
• 2 Sea King S.A.R. helicopters
• 2 PTS busses (Helsekspress)
• + Doctors, nurses, paramedics
• Sundvolden Hotel

Patient Transport bus (Helsekspress)

The respons from the Norwegian people
Lesson learned

• We are quite sure that nobody died or was injured because of our actions, but there are several issues that need to be improved
• Risk assessments and plans has to be revised
• Our logistic organisation need to be re-organized
• We have started a project to organize a special operational group that can execute USAR and work under CBRN condition

Lesson learned, communication

• There was a computer integration failure in our control room
• The new TETRA radio system worked perfect in Oslo
• Old VHF-radio system at Utøya
• Some problems with data communication between the ambulances and the control room
• At Utøya the young people used new ways of communication; Twitter, Facebook, SMS, MMS, mail etc. from there mobile devices
• Many called mom and dad. They called their local emergency services
• The mobile phone system was in some periods used at 100%
• Some local control rooms had too few operator(s) on duty

Thank you

Questions?

When one man could cause so much evil, think about how much love we can create together

AED geoLocation Challenge

to December 19th – send a pic and location info

HOW TO ENTER
1. FIND an AED (not at the Convention Center)
2. TAKE A PICTURE of AED with your camera or phone
3. EMAIL AED pic and info (location and type) to: AEDupload@Rescu.info or UPLOAD pic and info from a PC or smartphone to: www.Rescu.info/AEDUpload.htm

RULES
Locate and submit AED in all the places outside the Convention Center that you can find. The number of AEDs you submit is limited to 20, however! The winner will have to submit the AED as soon as possible.


Win an AED

Win a prize for an AED

Capture and forward the image and location of as many AEDs as you can & be in the running to win!

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