## EMS response data

### Question 20

The following questions are regarding on-scene initial actions by first medical team to arrive on-scene.

**Did the first medical team to arrive on-scene:**
- Assume the role of on-scene medical commander?
- Begin to make an assessment of scene safety?
- Communicate a situation report to EMS coordinating centre?
- Request additional resources?
  - If yes, please specify what types of resources were requested.
  - If yes, please describe which.
- Delegate responsibility for other tasks on scene?
  - If yes, please describe other tasks.

For each ticked alternative the responder will be asked to provide time for each action (provided as date: year/month/day and time: hh:mm) and state whether the time provided is exact or estimated.

### Question 21

The following questions are regarding system-level medical coordination.

**What time was summoning of additional medical staff to participate in the medical response initiated?**
- (Provided as date: year/month/day and time: hh:mm)

**Were additional medical staff who responded to the major incident summoned by:**
- First medical team to arrive on-scene?
- On-scene medical commander?
- EMS coordinating centre?
- Other means? Please specify.

**Were medical pre-hospital resources used in the major incident response coordinated by:**
- First medical team to arrive on-scene?
- On-scene medical commander?
- EMS coordinating centre?
- Other means? Please specify.

**Who was responsible for briefing medical staff of the situation during the pre-hospital major incident medical response?**
- First medical team to arrive on-scene?
- On-scene medical commander?
- EMS coordinating centre?
- Other. Please specify.

### Question 22

The following questions are regarding medical communication.

**Was communication achieved between medical personnel at the incident?**
- Yes
- No
- Unknown

**If yes was this communication managed by:**
- First medical team to arrive on-scene?
- On-scene medical commander?
- EMS coordinating centre?
- Written reports?
- Other means? Please specify.

**If yes, where possible please provide time for initiating the action (provided as date: year/month/day and time: hh:mm).**

**If no: why was communication not achieved?**

**Was communication achieved between the different task forces involved (police, fire fighters, health, political leaders etc)?**
- Yes
- No, between none of the task forces
- Unknown

**If yes: was communication achieved between all of the task forces or only between some of the task forces?**

Follow up questions will be provided to specify between whom it was or was not achieved, and between whom it should have been achieved.
Was communication achieved between the scene and the EMS coordinating centre:
- Yes
- No
- Unknown

If yes was communication managed by:
- First medical team to arrive on-scene?
- On-scene medical commander?
- EMS coordinating centre?
- Written reports?
- Other means? Please, specify.

If yes, where possible please provide time for initiating the action (provided as date: year/month/day and time: hh:mm).
If no: why was communication not achieved?

Was communication achieved between the scene and receiving hospital(s):
- Yes
- No
- Unknown

If yes was communication managed by:
- First medical team to arrive on-scene?
- On-scene medical commander?
- EMS coordinating centre?
- Written reports?
- Other means? Please, specify.

If yes, where possible please provide time for initiating the action (provided as date: year/month/day and time: hh:mm).
If no: why was communication not achieved?

Was communication achieved between medical response personnel and the general public?
- Yes
- No
- Unknown

If yes was this communication managed by:
- First medical team to arrive on-scene?
- On-scene medical commander?
- EMS coordinating centre?
- Written reports?
- Other means? Please, specify.

If yes, where possible please provide time for initiating the action (date and hh:mm).
If no: why was communication not achieved?

23 Describe the structure of the medical incident command during the major incident (free text).

24 The following questions are regarding modes of communication

Which mode(s) of communication were used during the major incident response? Please tick for all options that apply.
- Radio, VHS
- Radio, tetra
- Other type of radio
- Mobile phone
- Land line telephone
- Communication to the public (such as television, social media)? Please specify mode of communication
- Other means of communication. Please specify

For each ticked alternative please state if there were any failures to that mode of communication, specify what the failure was and how it affected the medical response.

25 Are the same communication systems mentioned above in use on a daily basis?
- VHF radio
- Tetra radio
- Other type of radio
- Mobile phone
- Land line telephone
- Communication to the public (such as television, social media)? Please specify mode of communication
- Other means of communication. Please specify

26 Please provide timings for the following (provided as date: year/month/day. Time: hh:mm):
- Incident time
- Emergency Medical Service (EMS) notification
- First EMS arrival
- Major incident declared
- Medical command established
- Time of first meeting between police /fire / medical command
- 1st patient evacuated by EMS (time of leaving incident scene)
- Last patient evacuated by EMS (time of leaving incident scene)
- 1st patient arriving in hospital
- Last patient arriving in hospital

Please state if the timings are estimated or exact.

27 Please describe any delays in the timings mentioned in question 26 (free-text).
## Incident Characteristics

### Key Lessons

- Lay person with no field care education
- Basic Life Support by non-EMS professional
- Basic Life Support by EMS professionals, non-physician
- Advanced Life Support by EMS professional, non-physician
- Advanced Life Support on-scene by physician
- Other personnel. Please specify.

*For each ticked option please state whether the number is estimated or exact.*

### What was the mechanism/external factor that caused the incident? Please tick for all options that apply.

- [ ] Fire
- [ ] Chemical injury
- [ ] Biological injury
- [ ] Lack of electricity
- [ ] On-going violence or risk of further violence
- [ ] Other damage. Please specify

### What was the location of the incident scene? Please tick for all options that apply.

- [ ] Coast guard
- [ ] Civil protection
- [ ] Voluntary organizations.
- [ ] Civilian: helicopter
- [ ] EMS: helicopter
- [ ] EMS: other. Please specify type
- [ ] Civilian: other. Please specify type
- [ ] Other emergency services: helicopter
- [ ] Other emergency services: boat
- [ ] Other emergency services: other means of transport.

*If possible, please provide time of arrival for the first vehicle in each category.*

### What kind of equipment was available on-scene enabling EMS to do their job? Please tick for all options that apply:

- [ ] Search and rescue equipment. Please specify
- [ ] Alpine/mountain rescue equipment
- [ ] Coast guard equipment
- [ ] Support vehicles. Please specify
- [ ] Other type of equipment. Please specify

*If possible please indicate the time when equipment was ready for use at the scene (provided as date: year/month/day and time: hh:mm).*

### The following questions are regarding hospitals receiving patients

#### How many hospitals received patients during the major incident?

For each of the hospitals mentioned in question 31:

- [ ] Regional hospital with trauma responsibility
- [ ] Regional hospital without trauma responsibility
- [ ] Local hospital
- [ ] Other types of hospitals. Please specify
- [ ] Unknown

#### Number of patients conveyed to hospital:

- [ ] By EMS
- [ ] By non-EMS

- [ ] In the first hour after the incident (<1 hour)
- [ ] Between 1 and 2 hours after the incident (≥1 hour <2 hours)
- [ ] Between 2 and 3 hours after the incident (≥2 hours <3 hours)
- [ ] Between 3 and 4 hours after the incident (≥3 hours < 4 hours)
- [ ] After 4 hours or more following the incident (≥4 hours)

#### Does a pre-existing patient distribution plan exist?

- [ ] Yes
- [ ] No
- [ ] Unknown

*If yes, please explain any pre-existing patient distribution plan/s and give any comments on decision making, delays etc.*