# B. General Information & Demography

<table>
<thead>
<tr>
<th>Case ID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

## Case Data

<table>
<thead>
<tr>
<th>Date of accident</th>
<th>((dd-mm-yyyy))</th>
</tr>
</thead>
<tbody>
<tr>
<td>Place of accident</td>
<td></td>
</tr>
<tr>
<td>Country of accident</td>
<td></td>
</tr>
<tr>
<td>Date of birth</td>
<td></td>
</tr>
</tbody>
</table>

- Date of Birth is unknown

<table>
<thead>
<tr>
<th>Gender</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
</tr>
<tr>
<td>Female</td>
</tr>
<tr>
<td>Unknown</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nationality</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>
## C. Pre-Hospital (Avalanche Checklist)

### Avalanche checklist BLS

<table>
<thead>
<tr>
<th>Time of avalanche</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

- Time of avalanche is documented.
- Time of avalanche is estimated.
- Time of avalanche is unknown.

<table>
<thead>
<tr>
<th>Face exposure</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Air Pocket</th>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Volume (in ml)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vital signs</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CRP</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

Please specify

- Combined CPR
- Compressions only
- Continuous CPR
- Intermittent CPR

### Avalanche checklist ALS

<table>
<thead>
<tr>
<th>Obvious lethal trauma</th>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

Description (dissection, decapitation)

<table>
<thead>
<tr>
<th>Body totally frozen</th>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Core temperature</th>
<th>&gt;= 30oC</th>
<th>&lt; 30oC</th>
<th>Unknown</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>ECG</th>
<th>Asystole</th>
<th>No asystole</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter</td>
<td>Options</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------</td>
<td>--------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patent airway</td>
<td>Yes, No, Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circulation stable</td>
<td>Yes, No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>≤ 8 mmol/l, &gt; 8 mmol/l, Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>More than 1 victim involved</td>
<td>Yes, No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### D. Pre-Hospital (General)

<table>
<thead>
<tr>
<th>CPR</th>
<th></th>
</tr>
</thead>
</table>
| **Clinical vital signs** | □ Yes  
□ No  
□ Unknown  |
| **Please specify** | □ Movement  
□ Respiration  
□ Pulse  
□ Other  |
| **Please specify ‘other’** |  |
| **ECG first rhythm** | □ Regular Sinus  
□ Sinus with arrhythmia  
□ Atrial fibrillation  
□ Ventricular fibrillation  
□ Pulseless VT  
□ PEA  
□ Asystole  
□ Other  
□ Unknown  |
| **Please specify ‘other’** |  |
| **Cardiac arrest** | □ Yes  
□ No  
□ Unknown  
□ Cardiac arrest at extrication  
□ Cardiac arrest after extrication  |
| **Bystander CPR** | □ Yes  
□ No  
□ Unknown  |
| **By whom?** | □ Companions  
□ Ski patrol  
□ Other  |
| **Please specify ‘other’** |  |
| **Continuous CPR** | □ Continuous CPR  
□ Intermittent CPR  |
| **Professional CPR** | □ Yes  
□ No  
□ Unknown  |
| **By whom?** | □ Continuous CPR  
□ Intermittent CPR  |
| **Mechanical chest compression** | □ Yes  
□ No  
□ Unknown  |
<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please specify</td>
<td>Lucas, Autopulse</td>
</tr>
<tr>
<td>Defibrillation</td>
<td>Yes, No, Unknown</td>
</tr>
<tr>
<td>Please specify</td>
<td>AED, Manual</td>
</tr>
<tr>
<td>ROSC</td>
<td>Yes, No, Unknown</td>
</tr>
<tr>
<td>Please specify</td>
<td>on-site, during transport, unknown</td>
</tr>
<tr>
<td>Declared dead on-site</td>
<td>Yes, No</td>
</tr>
<tr>
<td>Time of declaration of death</td>
<td></td>
</tr>
<tr>
<td>Suspected cause of death</td>
<td>Asphyxia, Trauma, Hypothermia, Other</td>
</tr>
<tr>
<td>Please specify 'other'</td>
<td></td>
</tr>
</tbody>
</table>

**Clinical signs**

Respiratory Rate (RR) per minutes

Exact Respiratory Rate is missing.

Please specify the RR, if exact value is missing

- normal (10-29/min)
- fast (≥ 30/min)
- slow (5-9/min)
- gasping or no respiration
- unknown

Heart Rate (HR) per minutes

Exact Heart Rate is missing.

Please specify the HR, if exact value is missing

- Slow
- Fast
- Unknown

Blood Pressure (BP) in mmHg

((mmHg))
Exact Blood Pressure is missing

Please specify the BP, if exact value is missing

- Good radial pulse
- Weak radial pulse
- Femoral / carotid pulse only
- No pulse
- Unknown

Glasgow Coma Scale

- Enter GCS manually
- Calculate GCS
- Unknown

Eye

- 1. No eye opening
- 2. Eye opening to pain
- 3. Eye opening to verbal command
- 4. Eyes open spontaneously

Verbal

- 1. No verbal response
- 2. Incomprehensible sounds
- 3. Inappropriate words
- 4. Confused
- 5. Orientated

Motor

- 1. No motor response
- 2. Decerebrate posturing accentuated by pain
- 3. Decorticate posturing accentuated by pain
- 4. Withdrawal from pain
- 5. Localizes to pain
- 6. Obeys commands

Calculated GCS value

__________________________________

Please insert GCS value

__________________________________

Hypothermia Swiss stage

- I alert, shivering
- II drowsy, not shivering
- III unconscious, vital signs +
- IV apparently dead
- unknown

Core Temperature in °C

__________________________________

((°C))

Please specify

- epitympanic
- oesophageal
- other

Please specify 'other'

__________________________________

Core Temperature is unknown.

Trauma

- Yes
- No

Diagnoses

__________________________________

28/09/2016 07:38

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### NACA Index

- no injury / disease
- Minor disturbance. No medical intervention is required
- Slight to moderate disturbance. Outpatient medical investigation
- Moderate to severe but not life-threatening disorder
- Serious incident, rapid development into a life-threatening condition possible
- Acute danger
- Respiratory and / or cardiac arrest
- Death

### Interventions

<table>
<thead>
<tr>
<th>Intervention</th>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intubation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume replacement</td>
<td>Fluids</td>
<td>No</td>
<td>Unknown</td>
</tr>
<tr>
<td>Cristalloids</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colloids</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyperoncotic solutions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Please specify ‘other’</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immobilisation</td>
<td>Yes</td>
<td>No</td>
<td>Unknown</td>
</tr>
<tr>
<td>Insulation</td>
<td>Chemical heat packs</td>
<td>Total body insulation</td>
<td>Unknown</td>
</tr>
<tr>
<td>Analgesia</td>
<td>No</td>
<td>Opioids</td>
<td>Ketamin</td>
</tr>
<tr>
<td>Please specify ‘other’</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALS Drugs</td>
<td>Oxygen</td>
<td>Catecholamines</td>
<td>Others</td>
</tr>
<tr>
<td>Please specify ‘other’</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surgical intervention</td>
<td>None</td>
<td>Thoracostomy</td>
<td>Cricoidotomy</td>
</tr>
</tbody>
</table>
E. In-Hospital (First Admission Hospital)

Care level of referring hospital
○ Level 1 trauma center
○ Level 2 large hospital
○ Level 3 small hospital
○ Other
○ Unknown

Other
__________________________________

Respiration on admission
○ Insufficient
○ Spontaneously sufficient
○ Assisted sufficient
○ Other
○ Unknown

Ventilation

Intubation
○ Yes
○ No

Other
__________________________________

Heart Rate on arrival
__________________________________

Blood pressure on arrival
((syst / diast))
__________________________________

Core Temperature on arrival in °C
((°C))
__________________________________

Please specify
○ epitympanic
○ oesophageal
○ other

Please specify 'other'
__________________________________

☐ Core Temperature is unknown.

Glasgow Coma Scale
○ Enter GCS manually
○ Calculate GCS
○ Unknown

Eye
○ 1. No eye opening
○ 2. Eye opening to pain
○ 3. Eye opening to verbal command
○ 4. Eyes open spontaneously

Verbal
○ 1. No verbal response
○ 2. Incomprehensible sounds
○ 3. Inappropriate words
○ 4. Confused
○ 5. Orientated
Motor

1. No motor response
2. Decerebrate posturing accentuated by pain
3. Decorticate posturing accentuated by pain
4. Withdrawal from pain
5. Localizes to pain
6. Obey commands

Calculated GCS value

Please insert GCS value

Blood gases

- FiO2
- pH
- pO2
- pCO2
- lactate
- Base Excess

Potassium

Blood gases

Injuries

- Yes
- No

List of injuries

ISS

ASA Classification

- I healthy
- II mild systemic disease
- III severe systemic disease
- IV constant threat to life
- V moribund patient
- Unknown

Rewarming

- passive external
- active minimal invasive
- ECLS: ECC
- ECLS: ECMO
- Other
- Unknown

Other

Level of second hospital

- Level 1 trauma center
- Level 2 large hospital
- Level 3 small hospital
- Other
- Unknown

Other


F. Outcome

Survival status at discharge from acute care
- Died in the hospital
- Survived until discharge from hospital
- Unknown
- Yes
- No

Organ donor
- Yes
- No

Autopsy report
- Yes
- No

Suspected cause of death

Neurological outcome

Survival status after 6 months from discharge
- Alive
- Dead
- Unknown
## G. Rescue Details

### Timing of Rescue

<table>
<thead>
<tr>
<th>Description</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time of accident (estimated /documented)</td>
<td></td>
</tr>
<tr>
<td>Alert time</td>
<td></td>
</tr>
<tr>
<td>First responders on site</td>
<td></td>
</tr>
<tr>
<td>Organized rescue (SAR) on site</td>
<td></td>
</tr>
<tr>
<td>Localisation</td>
<td></td>
</tr>
<tr>
<td>Head liberation</td>
<td></td>
</tr>
<tr>
<td>First BLS (if applicable)</td>
<td></td>
</tr>
<tr>
<td>Departure time</td>
<td></td>
</tr>
<tr>
<td>Arrival at first hospital</td>
<td></td>
</tr>
<tr>
<td>Arrival at second hospital (if applicable)</td>
<td></td>
</tr>
</tbody>
</table>

- Time of accident is unknown
- Alert time is unknown
- First responders on site is unknown
- Organized rescue (SAR) on site is unknown
- Localisation is unknown
- Head liberation is unknown
- First BLS is unknown
- First BLS is not applicable
- Departure time is unknown
- Arrival at first hospital is unknown
- Arrival at second hospital is not applicable
- Arrival at second hospital is unknown
## Search and rescue

**Number of victims**

- [ ] Number of victims is unknown

**Search strategies**

- Eyes & ears
- Transceiver
- Probe
- Dog
- recco
- Other
- Unknown

**Other search strategies**

- [ ] Self-extrication
- By companions
- By rescue team
- Unknown

**Way of finding/ extrication**

- Unburied
- Partial burial (head and chest free)
- Complete burial (head and chest buried)

**Extension of burial**

- [ ] Number of rescuers on avalanche is unknown

**Depth of burial**

- ((in cm))

**Number of rescuers on avalanche**

- [ ] Number of rescuers on avalanche is unknown

**ALS provider presence during extrication**

- Yes
- No
- Unknown
- Paramedic
- Physician
- Other

**Other**

**Details of organisation**

**Way of transport**

- Air rescue
- Terrestrial rescue
- Other
- Unknown
- Sled
- Snowmobile
- Wheeled vehicle
- Other

**Other**

**Please specify**

**Other**
H. Environment at the scene

Avalanche risk level
- 1 low
- 2 moderate
- 3 considerable
- 4 high
- 5 very high

Burial in
- Open area
- Crevasse
- Building
- Train
- Vehicle
- Other

Other
__________________________________

Territory

External temperature (in °C)
((°C))

Wind (in km/h)
((km/h))

Precipitation (in ml)
((ml))

Activity
- Ski
- Snowboard
- Snowshoe
- Hiking
- Snowmobiler
- Other
- Unknown

Other
__________________________________

Ascent or Descent
- Ascent
- Descent
- Unknown
## I. Avalanche Details

### Altitude

| ((in Meters)) | □ Altitude is unknown |

### Exposure

| □ Exposure is unknown |

### Inclination

| □ Inclination is unknown |

### Type of avalanche

| □ Type of avalanche is unknown |
|  ○ Sluff |
|  ○ Small |
|  ○ Medium |
|  ○ Large |

### Size of avalanche

### Avalanche snow quality (density)

| □ Avalanche snow quality is unknown |

### Dimensions of avalanche

| □ Dimensions of avalanche is unknown |

### Avalanche trigger

| □ Avalanche trigger is unknown |

### Alert mode
K. Prevention

Guide

○ Guided tour
○ Tour without Guid
○ Other
○ Unknown

Other

__________________________________

Transceiver

○ On
○ Off
○ Unknown

Helmet

○ Yes
○ No
○ Unknown

Avalung

○ Yes
○ No
○ Unknown

Airsafe

○ Yes
○ No
○ Unknown

Airbag

○ Yes
○ No
○ Unknown

Deflated
○ Non deflated

Spine protector

○ Yes
○ No
○ Unknown

Other (avalanche ball)

__________________________________
Submit Case Report

NOTICE:

The case report cannot be submitted because one or more Data Collection Instruments are not fully completed (not all are in a green state).

Submit the case report

☐ Yes, the case report is complete and can be looked.