Accident and Incident Reporting: Burden or Essential Learning Tool?

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HALO Trust Medical Board
Accident reporting and Incident reporting is more than statistics
Accident and Incident Reporting: Burden or Essential Learning Tool?

HALO Medical Board Membership

• Anaesthetics
• Ear, Nose and Throat
• Emergency Medicine
• GPs
• Infectious Diseases
• Midwives
• Nurses
• Occupational Health
• Paramedics
• Physicians
• Surgeons
Evidence and research informing practice
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Research/Best Practice
  • CRASH2 Study
  • Fluid Regimes
  • Oxygen Therapy (or not)

Protocols
Equipment
Training
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Accident Investigation

Analysis of Accident Medical Reports
• Prehospital Care
  • Performance of HALO Paramedics,
  • Evacuation Procedures,
  • Hospital Care/Rehabilitation

Assessment
• In country
• In UK
• External Peer Review
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Data quality variable
   Mine accidents
   Other accidents

High quality data will influence change

Whole sector data

Evidence based decision making
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What should be recorded?

How should it be recorded?
  • Record more initially and reduce in the future

Comparative data
  • Within and between organisations

Fatalities, Serious Injuries, Near Misses
HALO currently records and investigates all cause Morbidity/Mortality

*Would this accident have happened in the absence of mine clearance?*
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Defining Significant Injuries

Health and Safety Executive

Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

Death
Major Injury
7 day Injury
Injury to the public
Classification of injuries

International Statistical Classification of Diseases and Related Health Problems 10th Revision 2016 (ICD10)
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Chapter XIX
Injuries, Poisoning and certain other consequences
  S00-100
  T00-100

Chapter XX
External causes of morbidity and Mortality
  V01 X59 Accidents
  Y35-36 Legal Interventions and Operation of war
  • Y36.8 Injuries by explosion of bombs or mines ... after cessation of hostilities
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DATA SHARING

Rolling five year accident rates
Injury rate per thousand demining days

Requirements/Agreements/Aspirations
No Blame Culture
Openness
Honesty
Transparency
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Useful Links

Halo Medical Board
https://www.halotrust.org/about-us/governance/medical-governance/

ICD 10
https://www.who.int/classifications/icd/icdonlineversions/en/

Health and Safety Executive
https://www.hse.gov.uk/

Accident reporting
https://www.hse.gov.uk/riddor/
Injuries to the shoulder and upper arm
(S40-S49)

Ind.: injuries of:
- axilla
- scapular region

Excl.: bilateral involvement of shoulder and upper arm (T06-T07)
- burns and corrosions (T20-T23)
- frostbite (T14-T15)

injuries of:
- arm, level unspecified (T10-T11)
- elbow (S52)
- insect bite or sting, venomous (T63.4)

S40.0 Superficial injury of shoulder and upper arm

S40.00 Contusion of shoulder and upper arm
S40.07 Multiple superficial injuries of shoulder and upper arm

S40.08 Other superficial injuries of shoulder and upper arm

S40.09 Superficial injury of shoulder and upper arm, unspecified

S41.1 Open wound of shoulder and upper arm

Excl.: traumatic amputation of shoulder and upper arm (S49.2)

S41.0 Open wound of shoulder
S41.1 Open wound of upper arm
S41.7 Multiple open wounds of shoulder and upper arm
S41.8 Open wound of other and unspecified parts of shoulder girdle
Chapter 19 Injury, poisoning and certain other consequences of external causes. (S00-S100 & T00-T98)

- S000-009 Injuries to the head
- S10-19 Injuries to the neck
- S20-29 Injuries to the thorax
- S30-39 Injuries to the abdomen, lower back, lumbar spine and pelvis
- S40-49 Injuries to the shoulder and upper arm
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• **S40-S49** Injuries to the shoulder and upper arm
  - **S40** Superficial injury of shoulder and upper arm
    - **S40.0** Contusion of shoulder and upper arm
    - **S40.7** Multiple superficial injuries of shoulder and upper arm
    - **S40.8** Other superficial injuries of shoulder and upper arm
    - **S40.9** Superficial injury of shoulder and upper arm, unspecified
• Event: Primary table holding all the details of the event, as well as any attached documents and notes.
• Casualty: Related records of casualties of each event, including medical and casevac details, as well as insurance claim information for each casualty.
• Injury: Categorized information about the injuries of each casualty to allow analysis (not used for incidents).
• Cause: Immediate, underlying and root causes identified during investigation.
• Follow-Up Action: Recommendations to address each identified cause, including details of individual responsible for action and deadline.
• Safeguarding: Additional information relating to safeguarding incidents which meet the Serious Incident Report threshold and which require confidentiality in record keeping.
• External Reporting Log: Log of which donors, authorities and official bodies have been notified of an event and when.
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**HALO Trust Accident Report Data Fields**

- Event Record ID
- Event Reference ID
- Programme - Event Description - Location - Time - Date
- Number of Casualties
- Number of Fatalities
- Event Status - Closed Date - Closed By
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- Accident
- Near Miss
- Incident
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- Explosive Ordnance Clearance Process (includes any activity on a clearance site, including during break times, except for missed items, handling, tampering or GPR miss calls)
  - Missed Item
  - Handling (authorized)
  - Transportation / Storage
  - Handling (unauthorized)
  - Tampering
  - GPR Miscall
  - Off-site (outside known hazard)
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- Security
  - Deliberate armed attack on HALO site, property, personnel or convoy
  - Armed attack - Misidentification (e.g. HALO convoy mistaken for military convoy)
  - Armed attack - Collateral (e.g. HALO in proximity to intended target)
  - Violent Robbery
  - Abduction / Kidnap
  - Violence arising from strike / labour dispute
  - Civil Unrest
  - Threats of violence against HALO / employees
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- Casualty
  - Name, Age, Insurance, Gender,
  - Status International, National, Contractor, Third Party
  - Job title
  - Severity - Fatal, Severe, Major, Minor, Slight
  - Status - Deceased, Hospital, Sickbay, Home, At work (same or new role)
  - Long term support
  - Left HALO
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• Casevac Process
  • A
  • B
  • C
  • D
  • E

• Casevac Rating
  • Good
  • Satisfactory
  • Poor
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