# AUSTRALIAN INSTITUTE OF HEALTH INNOVATION

Faculty of Medicine and Health Sciences



# Operationalising the World Health Organization's International Classification for Patient Safety

**Data Dictionary Version 2** 

**Australian-modification** 

2018

### **International Classification for Patient Safety**

#### **Background:**

The Conceptual Framework for the International Classification for Patient Safety Version 1.1 was released by the Word Health Organization in 2009. The Conceptual Framework was primarily designed to provide common concepts, definitions and language for the collection of information regarding adverse incidents involving patients that occurred in the healthcare system. While the Conceptual Framework is a comprehensive informational model, its use as a taxonomy for patient deaths following medical or surgical complications requires testing. The Conceptual Framework did not provide definitions for each item, the key 'concepts', 'classes' and the hierarchical ordering of items in the Conceptual Framework were not clearly identified. Neither were the classification categories in the Conceptual Framework mutually exclusive or exhaustive.

#### Research objective:

To operationalise the Conceptual Framework to be able to identify patient characteristics, incident types, contributing factors, ameliorating actions and coronial recommendations for patient deaths following medical or surgical complications.

#### **Modified Conceptual Framework:**

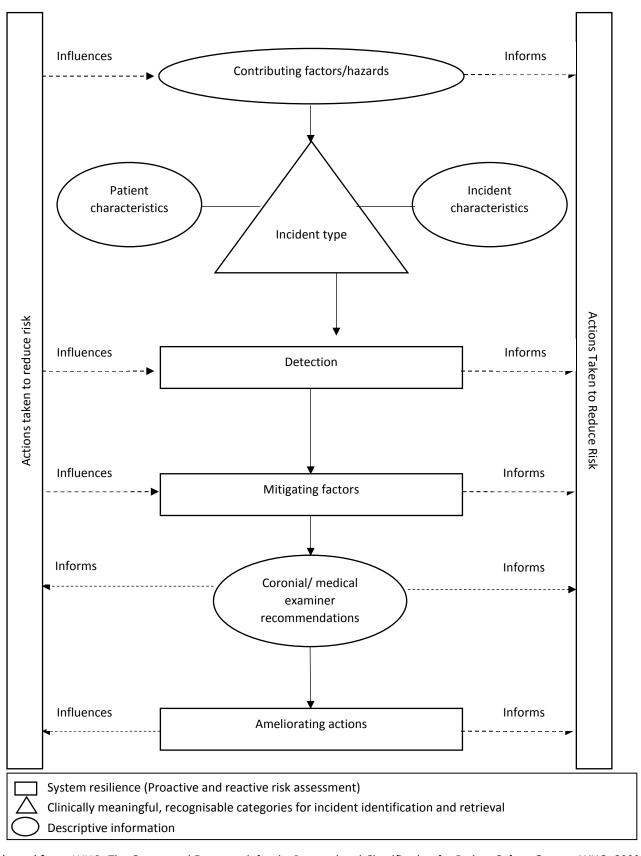
The original Conceptual Framework contained ten high-level categories and associated subcategories that have been modified to collection information on healthcare-related patient deaths. Figure 1 outlines the nine high-level categories in the Conceptual Framework. Each concept and item for patient characteristics, incident types, contributing factors, ameliorating actions and coronial recommendations has been defined. For incident types and contributing factors, the sub-categories have been reviewed to develop a hierarchical ordering of concepts and to try to ensure mutual exclusivity (Appendix 1).

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#### **Version history:**

Version	<b>Description of Change</b>	Author	Date Changed	Status
1.0	Development	Rebecca Mitchell	August 2018	DRAFT
2.0	Additional classifications	Rebecca Mitchell	November 2018	FINAL

Figure 1: Modified conceptual framework for the International Classification for Patient Safety for healthcare-related deaths



Adapted from: WHO. The Conceptual Framework for the International Classification for Patient Safety. Geneva: WHO, 2009.

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# Section 1: Unique identifiers

Section 1 on unique identifiers records information to identify the coronial file, the person who classified the record, and the state or territory where the inquest was held.

Variable: Unique identifier

Variable name: Z\_ID

**Definition:** A consecutive number allocated to each clinical incident record.

Justification: To allow the identification of each individual record.

Format: 6 digit numeric

Coding source: Number

Coding frame: 1 onwards

#### **Comments:**

This is the unique record created and used by the study team to identify each record. The unique identifier can be used to identify the same records to conduct reliability assessments.

Variable: Coronial id

Variable name: Z\_coronialID

**Definition:** A coronial/medical examiner record number allocated to each death.

Justification: To allow for the identification of coronial/ medical examiner file numbers.

**Format:** 9 character alphanumeric

**Coding source:** Coronial court/ medical examiner

**Coding frame:** 

#### **Comments:**

In Australia, this is the National Coroners Information System (NCIS) unique identifier allocated by each coronial court.

Variable: Coder identifier

Variable name: Z\_coderID

**Definition:** A number allocated to identify each coder.

Justification: To allow for the identification of the person who performed the classification of

the record.

Format: 1 digit numeric

**Coding source:** 

#### **Coding frame:**

1	Coder 1
2	Coder 2
3	Coder 3
4	Coder 4

#### **Comments:**

Each coder has a unique identification number that can be used for reliability assessments.

Variable: State inquest held

Variable name: z\_inquest\_state

**Definition:** What was the Australian jurisdiction where inquest was held?

Justification: Demographic details of the state or territory where the inquest was held.

Format: 1 digit numeric

**Coding source:** National Health Data Dictionary, Version 15 (METeOR identifier:

#### **Coding frame:**

1	New South Wales
2	Victoria
3	Queensland
4	South Australia
5	Western Australia

- 6 Tasmania
- 7 Northern Territory
- 8 Australian Capital Territory
- 9 Other Territories (Cocos Keeling Islands, Christmas Island and Jervis Bay)
- 99 Not recorded

#### **Comments:**

# **Section 2: Patient Characteristics**

Section 2 on patient characteristics records demographic information regarding the patient and the cause of death. Patient characteristics can also record information on diagnoses classification and procedures being conducted, as required.

Variable: Age

Variable name: z\_Age

**Definition:** The age of the person in years to whom the incident occurred.

Justification: Basic patient demographic details to determine if certain age groups are more

likely to be involved in adverse clinical incidents than other age groups.

Format: 3 digit numeric

Coding source: Number

**Coding frame:** 

0 child aged less than 1 year

year onwardsnot known

**Comments:** 

If the incident occurred to a child that is aged less than 1 year of age code '0' and enter age in weeks in 'age in weeks' variable.

Variable: Age in weeks

Variable name: z\_age\_wk

**Definition**: The age of the child in weeks to whom the incident occurred.

Justification: Basic patient demographic details to determine if certain age groups are more

likely to be involved in adverse clinical incidents than other age groups.

Format: 2 digit numeric

**Coding source:** 

**Coding frame:** 

0.1 1 day

0.2 2 days

0.3 3 days

0.4 4 days

0.5 5 days0.6 6 days

onwards

998 not relevant999 not known

#### **Comments:**

Default setting is 998.

If the child is aged less than 1 week code 0.1 for 1 day; 0.2 for 2 days; 0.3 for 3 days etc.

Variable: Patient gender

Variable name: z\_Sex

**Definition:** What was the sex of the person to whom the incident occurred?

Justification: Basic patient demographic details to determine if one sex may be involved in a

greater number of adverse clinical incidents.

Format: 1 digit numeric

Coding source: National Health Data Dictionary, Version 15 (METeOR identifier 287316).

#### **Coding frame:**

- 1 Male
- 2 Female
- 3 Intersex or indeterminate
- 9 Not stated/ inadequately described

#### **Comments:**

Variable: Cause of death - underlying

Variable name: z\_COD1

**Definition:** What was the underlying cause of death of the patient?

Justification: To identify the patients' underlying cause of death following the clinical incident.

Format: 6 character alphanumeric

**Coding source:** International Classification of Diseases, Version 10 (ICD-10)

**Coding frame:** ICD-10classifications

**Comments:** 

Variable: Cause of death - antecedent1

Variable name: z\_COD2

**Definition:** What was the first antecedent cause of death of the patient?

**Justification**: To identify the patients' antecedent causes of death following the clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10 (ICD-10)

**Coding frame:** ICD-10classifications

**Comments:** 

Variable: Cause of death – antecedent2

Variable name: z\_COD2

**Definition:** What was the second antecedent cause of death of the patient?

Justification: To identify the patients' antecedent causes of death following the clinical incident.

**Format:** 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10 (ICD-10)

**Coding frame:** ICD-10classifications

**Comments:** 

Variable: Cause of death – antecedent3

Variable name: z\_COD3

**Definition:** What was the third antecedent cause of death of the patient?

**Justification**: To identify the patients' antecedent causes of death following the clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10 (ICD-10)

**Coding frame:** ICD-10classifications

**Comments:** 

Variable: Cause of death - antecedent4

Variable name: z\_COD4

**Definition:** What was the fourth antecedent cause of death of the patient?

**Justification**: To identify the patients' antecedent causes of death following the clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10 (ICD-10)

Coding frame: ICD-10classifications

**Comments:** 

Variable: Cause of death – antecedent5

Variable name: z\_COD5

**Definition:** What was the fifth antecedent cause of death of the patient?

Justification: To identify the patients' antecedent causes of death following the clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10 (ICD-10)

**Coding frame:** ICD-10classifications

**Comments:** 

Variable: Cause of death – antecedent6

Variable name: z\_COD6

**Definition:** What was the sixth antecedent cause of death of the patient?

**Justification**: To identify the patients' antecedent causes of death following the clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10 (ICD-10)

Coding frame: ICD-10 classifications

**Comments:** 

Variable: Cause of death - antecedent7

Variable name: z\_COD7

**Definition:** What was the seventh antecedent cause of death of the patient?

**Justification**: To identify the patients' antecedent causes of death following the clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10 (ICD-10)

Coding frame: ICD-10classifications

**Comments:** 

Variable: Principal diagnosis

Variable name: z\_pdiag

**Definition:** What was the original principal diagnosis of the patient?

**Justification**: To identify the patients' original diagnosis at time of the clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10, Australian-modification (ICD-

10-AM)

Coding frame: ICD-10-AM classifications

**Comments:** 

Variable: Other diagnosis1

Variable name: z\_pdiag1

**Definition**: What were the other diagnoses and/or comorbidities of the patient?

Justification: To identify the patients' other diagnoses and/or comorbidities at time of the

clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10, Australian-modification (ICD-

10-AM)

Coding frame: ICD-10-AM classifications

#### **Comments:**

If the record coders are familiar with ICD-10-AM, then classifications can be made directly or could be obtained from electronic medical records. This variable could also be recorded as text, as required, and later classified by clinical coders.

Variable: Other diagnosis2

Variable name: z\_pdiag2

**Definition**: What were the other diagnoses and/or comorbidities of the patient?

Justification: To identify the patients' other diagnoses and/or comorbidities at time of the

clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10, Australian-modification (ICD-

10-AM)

Coding frame: ICD-10-AM classifications

#### **Comments:**

Variable: Other diagnosis3

Variable name: z\_pdiag3

**Definition:** What were the other diagnoses and/or comorbidities of the patient?

Justification: To identify the patients' other diagnoses and/or comorbidities at time of the

clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10, Australian-modification (ICD-

10-AM)

Coding frame: ICD-10-AM classifications

#### **Comments:**

If the record coders are familiar with ICD-10-AM, then classifications can be made directly or could be obtained from electronic medical records. This variable could also be recorded as text, as required, and later classified by clinical coders.

Variable: Other diagnosis4

Variable name: z\_pdiag4

**Definition:** What were the other diagnoses and/or comorbidities of the patient?

Justification: To identify the patients' other diagnoses and/or comorbidities at time of the

clinical incident.

Format: 6 character alphanumeric

Coding source: International Classification of Diseases, Version 10, Australian-modification (ICD-

10-AM)

Coding frame: ICD-10-AM classifications

#### **Comments:**

Variable: Procedure performed at time of adverse clinical incident

Variable name: z\_treat

**Definition:** What was the medical procedure performed at the time of the adverse clinical

incident?

Justification: To identify the medical procedure performed at the time of the adverse clinical

incident.

Format: 8 character alphanumeric

**Coding source:** The Australian Classification of Health Interventions

**Coding frame:** 

#### **Comments:**

## Section 3: Incident characteristics

Section 3 records information regarding the circumstances surrounding the incident such as where and when in the patient's journey through the healthcare system, the incident occurred, and who was involved. This includes a short text description of the incident and the date of death.

Variable: Text description of the circumstances of the incident

Variable name: z\_descrip\_text

**Definition:** Describe the circumstances surrounding the adverse clinical incident involving the

patient.

**Justification**: To record the circumstances surrounding the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

#### **Comments:**

Provide a short narrative description of what occurred during the adverse clinical incident, including the preventive actions and/or coronial recommendations. Ensure you record any pre-existing diseases or disabilities of the patient.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'. Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc Refer to hospitals by hospital A, hospital B.

Variable: Care phase

Variable name: z\_carephase

**Definition:** During what phase of care did the adverse clinical incident occur?

**Justification**: To identify the phase of care at time of the clinical incident.

Format: 2 digit numeric

Coding source: Adapted from the Conceptual Framework for the International Classification of

Patient Safety (ICPS) (WHO, 2009)

**Coding frame:** 

1 Pre-admission

2	Care on admission
3	Assessment
4	Treatment
5	Discharge
6	Post-discharge
7	Transfer of care
8	In-patient resident
9	Wait list for surgery
10	Prison
97	Other (specify in descriptive text)
98	Not relevant
99	Not known

#### **Comments:**

For patient deaths, this is where the adverse clinical incident occurred. For example, if a patient is misdiagnosed and send home from the ED, the incident occurred during 'pre-admission'. If a patient had an operation and was discharged and then post-operative complications developed, then 'post-discharge' would be selected as the type of incident. If a patient underwent surgery and an object was retained within the patient during surgery, 'treatment' would be selected as the incident location.

Variable: Incident location

**Variable name**: z\_inc\_location

**Definition:** What was the location where the adverse clinical incident occurred?

**Justification**: To identify the location where the adverse clinical incident occurred.

Format: 2 digit numeric

**Coding source:** Adapted from: Chang et al The JCAHO patient safety event taxonomy: a standardized terminology and classification schema for near misses and clinical incidents. International Journal for Quality in Health Care. 2005; 17 (2): 95-105 and Webb et al. The Australian Incident Monitoring Study: an analysis of 2000 incident reports. Anaesth Intens Care 1993, 21: 520-528.

#### **Coding frame:**

1	Emergency department
2	General ward/ patient's room
3	Operating theatre
4	Diagnostic procedures (Eg. CT or MRI scan, X-ray, imaging)
5	Intensive Care Unit (ICU)
6	Neonatal ICU

7	Paediatric ICU
8	High Dependence Unit (HDU)
9	Coronary care unit
10	Nursery
11	Oncology, radiotherapy
12	Day procedure, treatment room
13	Rehabilitation centre
14	Outpatient clinic
15	Birthing suite, labour room
16	Mental health, psychiatric unit
17	Drug and alcohol unit
18	Correctional facility
19	Long-term acute care, hospice
20	Transfer between units, wards
21	Transfer between hospitals
22	Dental room
23	Acute care unit
24	Other (specify in descriptive text)
25	Multiple (specify in descriptive text)
98	Not relevant
99	Not known

#### **Comments:**

Multiple incident locations may be involved if several adverse incidents occur to the patient.

Variable: Date of incident

Variable name: z\_DOI

**Definition:** On what date did the adverse clinical incident occur?

**Justification**: To identify the date of the adverse clinical incident.

Format: 8 digit

**Coding source:** 

**Coding frame:** DD/MM/YYYY

**Comments:** 

Date not known is recorded as: 99999999

Variable: Time of incident

Variable name: z\_TOI

**Definition:** What time did the adverse clinical incident occur?

**Justification**: To identify the time of the adverse clinical incident.

Format: 4digit

**Coding source:** 

Coding frame: HH:MM

**Comments:** 

Time not known is recorded as: 9999

Variable: Date of death

Variable name: z\_DOD

**Definition:** What was the date of death of the patient?

Justification: To identify the date of death of the patient.

Format: 8 digit

**Coding source:** 

Coding frame: DD/MM/YYYY

**Comments:** 

Date not known is recorded as: 99999999

Variable: Time of death

Variable name: z\_TOD

**Definition:** At what time did the patient die?

**Justification**: To identify the time that the patient died.

Format: 4digit

**Coding source:** 

Coding frame: HH:MM

#### **Comments:**

Time not known is recorded as: 9999

## Section 4: Incident type

Section 4 records information on the type of incident. Up to four incident types can be recorded. An incident factor is considered to be "an event or circumstance which...led to unintended and/or unnecessary harm to a person..." Each incident factor must have played a role in causing the incident to occur and will be recorded sequentially as they occurred. For example, incident type 1 occurred closest to the death preceded by incident type 2, preceded by incident types 3 and 4. The temporal sequence of incident types is based on Reason's Swiss Cheese Model of causation<sup>2</sup> and the Human Factors Classification Framework for Patient Safety<sup>3</sup>.

The incident type factors section of the ICPS have been re-configured into a 3-level hierarchical classification framework. Each main incident type category represents Level 1 of the hierarchy, the process categories for each incident type indicate Level 2, and the problem categories of each incident type indicate Level 3. Likewise, the contributing factors section of the ICPS has been re-configured into a 3-level hierarchical framework, with each main category representing Level 1, the sub-categories indicating Level 2, and the sub-sub categories indicating Level 3. Each incident type factor and contributing factor in the ICPS have been defined and, where relevant, an example added. Additional Level 3 categories have been incorporated for some incident type factors and contributing factors based on a pilot test of the re-configured ICPS. Where the incident type or contributing factors were not mutually exclusive, one of the factors was either revised or removed.

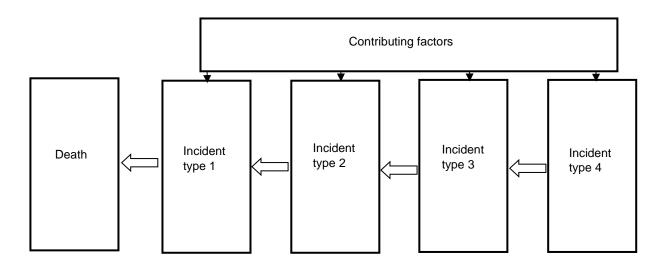
Each incident type will be classified leading up to the patient death in a temporal sequential order. Contributing factors could have occurred at any stage in the temporal sequence and will also be recorded (Figure 1).

<sup>&</sup>lt;sup>1</sup> Committee of Experts on Management of Safety and Quality in Health Care, *Glossary of terms related to patient and medication safety - approved terms*. 2005.

<sup>&</sup>lt;sup>2</sup> Reason, J., *Hazards, defences and losses - the 'Swiss cheese' model of defences*, in *Managing the risks of organizational accidents*, Reason, J., Editor. 1997, Ashgate Publishing Ltd: Aldershot. p. 1-20.

<sup>&</sup>lt;sup>3</sup> Mitchell, R., Williamson, A., and Molesworth, B., *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195.

Figure 1: Conceptual model of the classification of ICPS incident types and contributing factors



Source: Modified from Mitchell, R., Williamson, A., and Molesworth, B., *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital*. Applied Ergonomics, 2016. 52: p. 185-195.

Variable: Text description of First incident

Variable name: z\_inc\_type1\_txt

**Definition:** Describe the adverse clinical incident.

Justification: To record the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

#### **Comments:**

Provide a short description of the adverse clinical incident.

Any 'Other' incident types or those with 'specify in text' can be indicated in this descriptive text box.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'. Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc. Refer to hospitals by hospital A, hospital B.

Variable: First incident, Level 1

Variable name: z\_inc\_type1a

**Definition:** What was the type of level 1 incident performed at the time of the adverse clinical

incident?

Justification: To identify the type of level 1 incident performed at the time of the adverse

clinical incident.

Format: 2 digit numeric

Coding source: Adapted from WHO IPCS 2009

#### **Coding frame:**

0	Nil
1	Clinical administration
2	Clinical process/procedure
3	Documentation
4	Healthcare-associated infection or complication
5	Medication/IV fluids (specify in text)
6	Blood/blood products (specify in text)
7	Nutrition
8	Oxygen/gas/vapour (specify in text)

9 Medical device/equipment
10 Patient incidents
11 Infrastructure/building/fixtures
97 Other
98 Not relevant
99 Not known

#### **Comments:**

Level 1 incident types are defined in Appendix 1.

Any 'Other' incident types can be indicated in descriptive text box.

Variable: First incident type, Level 2

Variable name: z\_inc\_type1b

**Definition:** What was the type of level 2 incident performed at the time of the adverse clinical

incident?

Justification: To identify the type of level 2 incident performed at the time of the adverse

clinical incident.

Format: 2 digit numeric

Coding source: Adapted from WHO IPCS 2009

**Coding frame:** 

0 Nil

#### 1. Clinical administration:

- 1.1 Clinical handover
- 1.2 Appointment
- 1.3 Waiting list
- 1.4 Referral/consultation
- 1.5 Admission
- 1.6 Discharge
- 1.7 Transfer of care
- 1.8 Patient identification
- 1.9 Consent
- 1.10 Task allocation
- 1.11 Response to emergency

#### 2. Clinical process/ procedure:

- 2.1 Screening/prevention/routine check-up
- 2.2 Diagnosis/assessment
- 2.3 Procedure/treatment/intervention
- 2.4 Day-to-day general patient healthcare and observations
- 2.5 Specimens/results
- 2.6 Detention/restraint

#### 3. Documentation:

- 3.1 Orders/requests
- 3.2 Charts/medical records/assessments/consultations
- 3.3 Check lists
- 3.4 Forms/certificates
- 3.5 Labels/stickers/identification bands/cards
- 3.6 Letters/e-mails/records of communication
- 3.7 Reports/results/images

#### 4. Healthcare associated infection or complication: 4.1 Pneumonia 4.2 Sepsis 4.3 **Bacterial IV line infection** 4.4 **Embolism** 4.5 Pressure injury/ulcer 4.6 Surgical site infection 4.7 Other healthcare associated infection 4.8 Other complication 5. Medication/IV fluids (specify in text): 5.1 Prescription 5.2 Preparation/dispensing 5.3 Presentation/packaging 5.4 Delivery 5.5 Administration 5.6 Supply/ordering 5.7 Storage 5.8 Monitoring 6. Blood/Blood products (specify in text): 6.1 Pre-transfusion testing 6.2 Prescribing 6.3 Preparation/dispensing 6.4 Delivery 6.5 Administration 6.6 Storage 6.7 Monitoring 6.8 Presentation/packaging 6.9 Supply/ordering 7. Nutrition: 7.1 Prescribing/requesting 7.2 Preparation/manufacturing/cooking 7.3 Supply/ordering 7.4 Presentation 7.5 Dispensing/allocation 7.6 Delivery 7.7 Administration 7.8 Storage 8. Oxygen/gas/vapour (specify in text): 8.1 Cylinder labelling/colour coding/pin indexing

8.2

8.3

Prescription

Administration

- 8.4 Delivery
- 8.5 Supply/ordering
- 8.6 Storage
- 9. Medical device/equipment:
  - 9.1 Device/equipment (specify in text)
- 10. Patient incidents:
  - 10.1 Blunt force
  - 10.2 Piercing/penetrating force
  - 10.3 Other mechanical force
  - 10.4 Thermal mechanism
  - 10.5 Threat to breathing
  - 10.6 Exposure to chemical or other substance
  - 10.7 Other specified mechanism of injury
  - 10.8 Exposure to (effect of) weather or other force of nature
  - 10.9 Falls
- 11. Infrastructure/building/fixtures:
  - 11.1 Structure type (specify in text)
  - 11.2 Building type (specify in text)
  - 11.3 Fixture type (specify in text)
  - 998 Not relevant
  - 999 Not known

#### **Comments:**

Level 2 incident types are defined in Appendix 2.

Any 'Other' incident types can be indicated in descriptive text box.

Indicate any specific types of medication, IV fluid, blood, blood products, oxygen, gas, vapour, medical devices or equipment, structures, buildings or fixtures in descriptive text box.

Variable: First incident type, Level 3

Variable name: z\_inc\_type1c

**Definition:** What was the type of level 3 incident performed at the time of the adverse clinical

incident?

Justification: To identify the type of level 3 incident performed at the time of the adverse

clinical incident.

Format: 3 digit numeric

Coding source: Adapted from WHO IPCS 2009

**Coding frame:** 

0 Nil

- 1.1 Clinical administration clinical handover:
  - 1.1.1 Not performed
  - 1.1.2 Incomplete/inadequate/not requested
  - 1.1.3 Unavailable
  - 1.1.4 Wrong patient
  - 1.1.5 Wrong process/service
  - 1.1.6 Delayed/failure to respond
- 1.2 Clinical administration appointment:
  - 1.2.1 Not performed
  - 1.2.2 Incomplete/inadequate/not requested
  - 1.2.3 Unavailable
  - 1.2.4 Wrong patient
  - 1.2.5 Wrong process/service
  - 1.2.6 Delayed/failure to respond
- 1.3 Clinical administration waiting list:
  - 1.3.1 Not performed
  - 1.3.2 Incomplete/inadequate/not requested
  - 1.3.3 Unavailable
  - 1.3.4 Wrong patient
  - 1.3.5 Wrong process/service
  - 1.3.6 Delayed/failure to respond
- 1.4 Clinical administration referral/consultation:
  - 1.4.1 Not performed
  - 1.4.2 Incomplete/inadequate/not requested
  - 1.4.3 Unavailable
  - 1.4.4 Wrong patient

1.4.5	Wrong process/service
1.4.6	Delayed/failure to respond
1.5 Clinical administra	tion – admission:
1.5.1	Not performed
1.5.2	Incomplete/inadequate/not requested
1.5.3	Unavailable
1.5.4	Wrong patient
1.5.5	Wrong process/service
1.5.6	Delayed/failure to respond
1.6 Clinical administra	tion – discharge:
1.6.1	Not performed
1.6.2	Incomplete/inadequate/not requested
1.6.3	Unavailable
1.6.4	Wrong patient
1.6.5	Wrong process/service
1.6.6	Delayed/failure to respond
1.7 Clinical administra	tion – transfer of care:
1.7.1	Not performed
1.7.2	Incomplete/inadequate/not requested
1.7.3	Unavailable
1.7.4	Wrong patient
1.7.5	Wrong process/service
1.7.6	Delayed/failure to respond
1.8 Clinical administra	tion – patient identification:
1.8.1	Not performed
1.8.2	Incomplete/inadequate/not requested
1.8.3	Unavailable
1.8.4	Wrong patient
1.8.5	Wrong process/service
1.8.6	Delayed/failure to respond
1.9 Clinical administra	tion – consent:
1.9.1	Not performed
1.9.2	Incomplete/inadequate/not requested
1.9.3	Unavailable
1.9.4	Wrong patient
1.9.5	Wrong process/service
1.9.6	Delayed/failure to respond
1.10 Clinical administr	ration- task allocation:

Not performed

1.10.1

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	1.10.2	Incomplete/inadequate/not requested
	1.10.3	Unavailable
	1.10.4	Wrong patient
	1.10.5	Wrong process/service
	1.10.6	Delayed/failure to respond
1.11 (	Clinical administ	ration – response to emergency:
	1.11.1	Not performed
	1.11.2	Incomplete/inadequate/not requested
	1.11.3	Unavailable
	1.11.4	Wrong patient
	1.11.5	Wrong process/service
	1.11.6	Delayed/failure to respond
2.1 Cl	inical process/p	rocedure – screening/prevention/routine check-up:
	2.1.1	Not performed
	2.1.2	Incomplete/inadequate/not requested
	2.1.3	Unavailable
	2.1.4	Wrong patient
	2.1.5	Wrong process/service/treatment/procedure
	2.1.6	Retained instrument/material
	2.1.7	Delayed/failure to respond/failure to recognise deteriorating patient
	2.1.8	Wrong body part/side/site
	2.1.9	Complication during a procedure
2.2 Cl	inical process/p	rocedure – diagnosis/assessment:
	2.2.1	Not performed
	2.2.2	Incomplete/inadequate/not requested
	2.2.3	Unavailable
	2.2.4	Wrong patient
	2.2.5	Wrong process/service/treatment/procedure
	2.2.6	Retained instrument/material
	2.2.7	Delayed/failure to respond/failure to recognise deteriorating patient
	2.2.8	Wrong body part/side/site
	2.2.9	Complication during a procedure
2.3 Cl	inical process/p	rocedure – procedure/treatment/intervention:
	2.3.1	Not performed
	2.3.2	Incomplete/inadequate/not requested
	2.3.3	Unavailable
	2.3.4	Wrong patient
	2.3.5	Wrong process/service/treatment/procedure
	2.3.6	Retained instrument/material
	2.3.7	Delayed/failure to respond/failure to recognise deteriorating patient
	2.3.8	Wrong body part/side/site
		- 0 1   1 1 - 1 - 1 - 1 - 1 - 1

	2.3.9	Complication during a procedure
2.4 Clinic	al process/¡	procedure – day-to-day general patient healthcare and observations:
	2.4.1	Not performed
	2.4.2	Incomplete/inadequate/not requested
	2.4.3	Unavailable
	2.4.4	Wrong patient
	2.4.5	Wrong process/service/treatment/procedure
	2.4.6	Retained instrument/material
	2.4.7	Delayed/failure to respond/failure to recognise deteriorating patient
	2.4.8	Wrong body part/side/site
	2.4.9	Complication during a procedure
2.5 Clinic	al process/p	procedure – specimens/results:
	2.5.1	Not performed
	2.5.2	Incomplete/inadequate/not requested
	2.5.3	Unavailable
	2.5.4	Wrong patient
	2.5.5	Wrong process/service/treatment/procedure
	2.5.6	Retained instrument/material
	2.5.7	Delayed/failure to respond/failure to recognise deteriorating patient
	2.5.8	Wrong body part/side/site
	2.5.9	Complication during a procedure
2.6 Clinic	al process/p	procedure – detention/restraint:
	2.6.1	Not performed
	2.6.2	Incomplete/inadequate/not requested
	2.6.3	Unavailable
	2.6.4	Wrong patient
	2.6.5	Wrong process/service/treatment/procedure
	2.6.6	Retained instrument/material
	2.6.7	Delayed/failure to respond/failure to recognise deteriorating patient
	2.6.8	Wrong body part/side/site
	2.6.9	Complication during a procedure
3.1 Docu	mentation -	- orders/requests:
	3.1.1	Document not available, missing or no documentation was made
	3.1.2	Delay in accessing document
	3.1.3	Document for wrong patient or wrong document
	3.1.4	Unclear/ambiguous/illegible/incomplete information in document
	3.1.5	Incorrect selection
3.2 Docu	mentation -	- charts/medical records/assessments/consultations:
	3.2.1	Document not available, missing or no documentation was made
	3.2.2	Delay in accessing document

	3.2.3	Document for wrong patient or wrong document
	3.2.4	Unclear/ambiguous/illegible/incomplete information in document
	3.2.5	Incorrect selection
3.3 Do	cumentation -	- check lists:
	3.3.1	Document not available, missing or no documentation was made
	3.3.2	Delay in accessing document
	3.3.3	Document for wrong patient or wrong document
	3.3.4	Unclear/ambiguous/illegible/incomplete information in document
	3.3.5	Incorrect selection
3.4 Do	cumentation -	- forms/certificates:
	3.4.1	Document not available, missing or no documentation was made
	3.4.2	Delay in accessing document
	3.4.3	Document for wrong patient or wrong document
	3.4.4	Unclear/ambiguous/illegible/incomplete information in document
	3.4.5	Incorrect selection
3.5 Do	cumentation -	- labels/stickers/identification bands/cards:
	3.5.1	Document not available, missing or no documentation was made
	3.5.2	Delay in accessing document
	3.5.3	Document for wrong patient or wrong document
	3.5.4	Unclear/ambiguous/illegible/incomplete information in document
	3.5.5	Incorrect selection
3.6 Do	cumentation -	- letters/e-mails/records of communication:
	3.6.1	Document not available, missing or no documentation was made
	3.6.2	Delay in accessing document
	3.6.3	Document for wrong patient or wrong document
	3.6.4	Unclear/ambiguous/illegible/incomplete information in document
	3.6.5	Incorrect selection
3.7 Do	cumentation -	- reports/results/images:
	3.7.1	Document not available, missing or no documentation was made
	3.7.2	Delay in accessing document
	3.7.3	Document for wrong patient or wrong document
	3.7.4	Unclear/ambiguous/illegible/incomplete information in document
	3.7.5	Incorrect selection
5.1 Me	edication/IV flu	uid (specify in text) – prescription:
	5.1.1	Wrong patient
	5.1.2	Wrong drug
	5.1.3	Wrong dose/strength of frequency
	5.1.4	Wrong formulation or presentation
	5.1.5	Wrong route

	5.1.6	Wrong quantity
	5.1.7	Wrong dispensing label/instruction
	5.1.8	Contraindication
	5.1.9	Wrong storage
	5.1.10	Omitted medicine or dose
	5.1.11	Expired medicine
	5.1.12	Appropriateness of medication
	5.1.13	Adverse drug reaction not elsewhere classified
5.2 Medica	ation/IV fluid	(specify in text) – preparation/dispensing:
	5.2.1	Wrong patient
	5.2.2	Wrong drug
	5.2.3	Wrong dose/strength of frequency
	5.2.4	Wrong formulation or presentation
	5.2.5	Wrong route
	5.2.6	Wrong quantity
	5.2.7	Wrong dispensing label/instruction
	5.2.8	Contraindication
	5.2.9	Wrong storage
	5.2.10	Omitted medicine or dose
	5.2.11	Expired medicine
	5.2.12	Appropriateness of medication
	5.2.13	Adverse drug reaction not elsewhere classified
5.3 Medica	ation/IV fluid	(specify in text) – presentation/packaging:
	5.3.1	Wrong patient
	5.3.2	Wrong drug
	5.3.3	Wrong dose/strength of frequency
	5.3.4	Wrong formulation or presentation
	5.3.5	Wrong route
	5.3.6	Wrong quantity
	5.3.7	Wrong dispensing label/instruction
	5.3.8	Contraindication
	5.3.9	Wrong storage
	5.3.10	Omitted medicine or dose
	5.3.11	Expired medicine
	5.3.12	Appropriateness of medication
	5.3.13	Adverse drug reaction not elsewhere classified
5.4 Medica	ation/IV fluid	(specify in text) – delivery:
	5.4.1	Wrong patient
	5.4.2	Wrong drug
	5.4.3	Wrong dose/strength of frequency
	5.4.4	Wrong formulation or presentation
	5.4.5	Wrong route

	5.4.6	Wrong quantity
	5.4.7	Wrong dispensing label/instruction
	5.4.8	Contraindication
	5.4.9	Wrong storage
	5.4.10	Omitted medicine or dose
	5.4.11	Expired medicine
	5.4.12	Appropriateness of medication
	5.4.13	Adverse drug reaction not elsewhere classified
5.5 Medica	ation/IV fluid	(specify in text) – administration:
	5.5.1	Wrong patient
	5.5.2	Wrong drug
	5.5.3	Wrong dose/strength of frequency
	5.5.4	Wrong formulation or presentation
	5.5.5	Wrong route
	5.5.6	Wrong quantity
	5.5.7	Wrong dispensing label/instruction
	5.5.8	Contraindication
	5.5.9	Wrong storage
	5.5.10	Omitted medicine or dose
	5.5.11	Expired medicine
	5.5.12	Appropriateness of medication
	5.5.13	Adverse drug reaction not elsewhere classified
5.6 Medica	ation/IV fluid	(specify in text) – supply/ordering:
	5.6.1	Wrong patient
	5.6.2	Wrong drug
	5.6.3	Wrong dose/strength of frequency
	5.6.4	Wrong formulation or presentation
	5.6.5	Wrong route
	5.6.6	Wrong quantity
	5.6.7	Wrong dispensing label/instruction
	5.6.8	Contraindication
	5.6.9	Wrong storage
	5.6.10	Omitted medicine or dose
	5.6.11	Expired medicine
	5.6.12	Appropriateness of medication
	5.6.13	Adverse drug reaction not elsewhere classified
5.7 Medica	ation/IV fluid	(specify in text) – storage:
	5.7.1	Wrong patient
	5.7.2	Wrong drug
	5.7.3	Wrong dose/strength of frequency
	5.7.4	Wrong formulation or presentation
	5.7.5	Wrong route

	5.7.6	Wrong quantity	
	5.7.7	Wrong dispensing label/instruction	
	5.8.8	Contraindication	
	5.7.9	Wrong storage	
	5.7.10	Omitted medicine or dose	
	5.7.11	Expired medicine	
	5.7.12	Appropriateness of medication	
	5.7.13	Adverse drug reaction not elsewhere classified	
	5.8 Medication/IV fluid	(specify in text) – monitoring:	
	5.8.1	Wrong patient	
	5.8.2	Wrong drug	
	5.8.3	Wrong dose/strength of frequency	
	5.8.4	Wrong formulation or presentation	
	5.8.5	Wrong route	
	5.8.6	Wrong quantity	
	5.8.7	Wrong dispensing label/instruction	
	5.8.8	Contraindication	
	5.8.9	Wrong storage	
	5.8.10	Omitted medicine or dose	
	5.8.11	Expired medicine	
	5.8.12	Appropriateness of medication	
	5.8.13	Adverse drug reaction not elsewhere classified	
	6.1 Blood/blood produc	ct (specify in text) – pre-transfusion testing:	
	6.1.1	Wrong patient	
	6.1.2	Wrong blood/blood product	
	6.1.3	Wrong dose/strength of frequency	
	6.1.4	Wrong quantity	
	6.1.5	Wrong dispensing label/instruction	
	6.1.6	Contraindication	
	6.1.7	Wrong storage	
	6.1.8	Omitted product or dose	
	6.1.9	Expired blood/blood product	
	6.1.10	Adverse effect involving blood or blood products not elsewhere	
	classified		
6.2 Blood/blood product (specify in text) – prescribing:			
	6.2.1	Wrong patient	
	6.2.2	Wrong blood/blood product	
	6.2.3	Wrong dose/strength of frequency	
	6.2.4	Wrong quantity	
	6.2.5	Wrong dispensing label/instruction	
	6.2.6	Contraindication	
	6.2.7	Wrong storage	

6.2.10 classified	Adverse effect involving blood or blood products not elsewhere
6.3 Blood/blood produc	ct (specify in text) – preparation/dispensing:
6.3.1	Wrong patient
6.3.2	Wrong blood/blood product
6.3.3	Wrong dose/strength of frequency
6.3.4	Wrong quantity
6.3.5	Wrong dispensing label/instruction
6.3.6	Contraindication
6.3.7	Wrong storage
6.3.8	Omitted product or dose
6.3.9	Expired blood/blood product
6.3.10	Adverse effect involving blood or blood products not elsewhere
classified	
6.4 Blood/blood produc	ct (specify in text) – delivery:
6.4.1	Wrong patient
6.4.2	Wrong blood/blood product
6.4.3	Wrong dose/strength of frequency
6.4.4	Wrong quantity
6.4.5	Wrong dispensing label/instruction
6.4.6	Contraindication
6.4.7	Wrong storage
6.4.8	Omitted product or dose
6.4.9	Expired blood/blood product
6.4.10	Adverse effect involving blood or blood products not elsewhere
classified	
6.5 Blood/blood produc	ct (specify in text) – administration:
6.5.1	Wrong patient
6.5.2	Wrong blood/blood product
6.5.3	Wrong dose/strength of frequency
6.5.4	Wrong quantity
6.5.5	Wrong dispensing label/instruction
6.5.6	Contraindication
6.5.7	Wrong storage
6.5.8	Omitted product or dose
6.5.9	Expired blood/blood product
6.5.10	Adverse effect involving blood or blood products not elsewhere
classified	
6.6 Blood/blood produc	ct (specify in text) – storage:

Omitted product or dose

Expired blood/blood product

6.2.8 6.2.9

	6.6.1	Wrong patient
	6.6.2	Wrong blood/blood product
	6.6.3	Wrong dose/strength of frequency
	6.6.4	Wrong quantity
	6.6.5	Wrong dispensing label/instruction
	6.6.6	Contraindication
	6.6.7	Wrong storage
	6.6.8	Omitted product or dose
	6.6.9	Expired blood/blood product
	6.6.10	Adverse effect involving blood or blood products not elsewhere
class	ified	
6.7 Blood/bl	ood produ	ct (specify in text) – monitoring:
	6.7.1	Wrong patient
	6.7.2	Wrong blood/blood product
	6.7.3	Wrong dose/strength of frequency
	6.7.4	Wrong quantity
	6.7.5	Wrong dispensing label/instruction
	6.7.6	Contraindication
	6.7.7	Wrong storage
	6.7.8	Omitted product or dose
	6.7.9	Expired blood/blood product
	6.7.10	Adverse effect involving blood or blood products not elsewhere
		8
class	ified	
		ct (specify in text) – presentation/packaging:
		ct (specify in text) – presentation/packaging: Wrong patient
	ood produ 6.8.1	
	ood produ 6.8.1	Wrong patient
	ood produ 6.8.1 6.8.2	Wrong patient Wrong blood/blood product
	6.8.1 6.8.2 6.8.3	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity
	6.8.1 6.8.2 6.8.3 6.8.4	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency
	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction
	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication
	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose
	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7 6.8.8	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose Expired blood/blood product
	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7 6.8.8 6.8.9 6.8.10	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose
6.8 Blood/blood	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7 6.8.8 6.8.9 6.8.10	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose Expired blood/blood product
6.8 Blood/bl	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7 6.8.8 6.8.9 6.8.10	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose Expired blood/blood product Adverse effect involving blood or blood products not elsewhere
6.8 Blood/bl	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7 6.8.8 6.8.9 6.8.10 ified	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose Expired blood/blood product Adverse effect involving blood or blood products not elsewhere ct (specify in text) – supply/ordering:
6.8 Blood/bl	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7 6.8.8 6.8.9 6.8.10 ified	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose Expired blood/blood product Adverse effect involving blood or blood products not elsewhere ct (specify in text) – supply/ordering: Wrong patient
6.8 Blood/bl	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7 6.8.8 6.8.9 6.8.10 ified ood produ 6.9.1 6.9.2	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose Expired blood/blood product Adverse effect involving blood or blood products not elsewhere ct (specify in text) – supply/ordering: Wrong patient Wrong blood/blood product
6.8 Blood/bl	6.8.1 6.8.2 6.8.3 6.8.4 6.8.5 6.8.6 6.8.7 6.8.8 6.8.9 6.8.10 ified ood produ 6.9.1 6.9.2 6.9.3	Wrong patient Wrong blood/blood product Wrong dose/strength of frequency Wrong quantity Wrong dispensing label/instruction Contraindication Wrong storage Omitted product or dose Expired blood/blood product Adverse effect involving blood or blood products not elsewhere ct (specify in text) – supply/ordering: Wrong patient Wrong blood/blood product Wrong dose/strength of frequency

	6.9.8 6.9.9	Omitted product or dose Expired blood/blood product
	6.9.10	Adverse effect involving blood or blood products not elsewhere
	classified	
7.1	Nutrition – prescrib	bing/requesting:
	7.1.1	Wrong patient
	7.1.2	Wrong diet
	7.1.3	Wrong quantity
	7.1.4	Wrong frequency
	7.1.5	Wrong consistency
	7.1.6	Wrong storage
7.2	Nutrition – prepara	ation/manufacturing/cooking:
	7.2.1	Wrong patient
	7.2.2	Wrong diet
	7.2.3	Wrong quantity
	7.2.4	Wrong frequency
	7.2.5	Wrong consistency
	7.2.6	Wrong storage
7.3	Nutrition – supply/	ordering:
	7.3.1	Wrong patient
	7.3.2	Wrong diet
	7.3.3	Wrong quantity
	7.3.4	Wrong frequency
	7.3.5	Wrong consistency
	7.3.6	Wrong storage
7.4	Nutrition – present	tation:
	7.4.1	Wrong patient
	7.4.2	Wrong diet
	7.4.3	Wrong quantity
	7.4.4	Wrong frequency
	7.4.5	Wrong consistency
	7.4.6	Wrong storage
7.5	Nutrition – dispens	sing/allocation:
	7.5.1	Wrong patient
	7.5.2	Wrong diet
	7.5.3	Wrong quantity
	7.5.4	Wrong frequency
	7.5.5	Wrong consistency
	7.5.6	Wrong storage

Wrong storage

6.9.7

# 7.6 Nutrition – delivery:

- 7.6.1 Wrong patient
- 7.6.2 Wrong diet
- 7.6.3 Wrong quantity
- 7.6.4 Wrong frequency
- 7.6.5 Wrong consistency
- 7.6.6 Wrong storage

#### 7.7 Nutrition – administration:

- 7.7.1 Wrong patient
- 7.7.2 Wrong diet
- 7.7.3 Wrong quantity
- 7.7.4 Wrong frequency
- 7.7.5 Wrong consistency
- 7.7.6 Wrong storage

# 7.8 Nutrition – storage:

- 7.8.1 Wrong patient
- 7.8.2 Wrong diet
- 7.8.3 Wrong quantity
- 7.8.4 Wrong frequency
- 7.8.5 Wrong consistency
- 7.8.6 Wrong storage

# 8.1 Oxygen/gas/vapour (specify in text) – cylinder labelling/colour coding/pin indexing:

- 8.1.1 Wrong patient
- 8.1.2 Wrong gas/vapour
- 8.1.3 Wrong rate/flow/concentration
- 8.1.4 Wrong delivery mode
- 8.1.5 Contraindication
- 8.1.6 Wrong storage
- 8.1.7 Failure to administer
- 8.1.8 Contamination

# 8.2 Oxygen/gas/vapour (specify in text) – prescription:

- 8.2.1 Wrong patient
- 8.2.2 Wrong gas/vapour
- 8.2.3 Wrong rate/flow/concentration
- 8.2.4 Wrong delivery mode
- 8.2.5 Contraindication
- 8.2.6 Wrong storage
- 8.2.7 Failure to administer
- 8.2.8 Contamination

# 8.3 Oxygen/gas/vapour (specify in text) – administration:

	8.3.1	Wrong patient
	8.3.2	Wrong gas/vapour
	8.3.3	Wrong rate/flow/concentration
	8.3.4	Wrong delivery mode
	8.3.5	Contraindication
	8.3.6	Wrong storage
	8.3.7	Failure to administer
	8.3.8	Contamination
8.4	Oxygen/gas/vapour	(specify in text) – delivery:
	8.4.1	Wrong patient
	8.4.2	Wrong gas/vapour
	8.4.3	Wrong rate/flow/concentration
	8.4.4	Wrong delivery mode
	8.4.5	Contraindication
	8.4.6	Wrong storage
	8.4.7	Failure to administer
	8.4.8	Contamination
8.5	Oxygen/gas/vapou	(specify in text) – supply/ordering:
	8.5.1	Wrong patient
	8.5.2	Wrong gas/vapour
	8.5.3	Wrong rate/flow/concentration
	8.5.4	Wrong delivery mode
	8.5.5	Contraindication
	8.5.6	Wrong storage
	8.5.7	Failure to administer
	8.5.8	Contamination
8.6	Oxygen/gas/vapou	r (specify in text) – storage:
	8.6.1	Wrong patient
	8.6.2	Wrong gas/vapour
	8.6.3	Wrong rate/flow/concentration
	8.6.4	Wrong delivery mode
	8.6.5	Contraindication
	8.6.6	Wrong storage
	8.6.7	Failure to administer
	8.6.8	Contamination
9.1	Medical device/equ	ipment:
	9.1.1	Poor presentation/packaging
	9.1.2	Lack of availability
	9.1.3	Inappropriate for task
	9.1.4	Unclean/unsterile
	9.1.5	Failure/malfunction

	9.1.6	Dislodgement/misconnection/removal
	9.1.7	Medical equipment/device failure – design
	9.1.8	Medical equipment/device not elsewhere classified
10.1 Patien	t incident - k	plunt force:
	10.1.1	Contact with blunt object or animal
	10.1.2	Contact with person
	10.1.3	Crushing
	10.1.4	Abrading/rubbing
10.2 Patien	t incident - p	piercing/penetrating force:
	10.2.1	Scratching/cutting/tearing/severing
	10.2.2	Puncturing/stabbing
	10.2.3	Biting/stinging/envenomating
	10.2.4	Other specified piercing/penetrating force
10 2 Dation		, , , , , , , , , , , , , , , , , , , ,
10.3 Patien		other mechanical force:
	10.3.1	Struck by explosive blast
	10.3.2	Contact with machinery
10.4 Patien	t incident - t	hermal mechanism:
	10.4.1	Excessive heat/fire
	10.4.2	Excessive cooling/freezing
10.5 Patien	t incident - t	hreat to breathing:
	10.5.1	Mechanical threat to breathing
	10.5.2	Drowning/near drowning
	10.5.3	Confinement to oxygen-deficient place
10.6 Patien	t incident - e	exposure to chemical or other substance:
	10.6.1	Poisoning by chemical or other substance
	10.6.2	Corrosion by chemical or other substance
10.7 Patier	nt incident -	other specified mechanism of injury
	10.7.1	Exposure to electricity/radiation
	10.7.2	Exposure to sound/vibration
	10.7.3	Exposure to air pressure
	10.7.4	Exposure to low gravity
10 0 Datian		,
10.8 Patien		exposure to (effect of) weather or other force of nature:
	10.8.1	Exposure to environmental elements
10.9 Patien	t incident - f	all type:
	10.9.1	Fall involving cot
	10.9.2	Fall involving bed

	10.9.3	Fall involving chair or wheelchair
	10.9.4	Fall involving stretcher
	10.9.5	Fall involving toilet
	10.9.6	Fall involving therapeutic equipment
	10.9.7	Fall involving stairs/steps
	10.9.8	Fall while being carried/supported by another individual
	10.9.9	Fall, unspecified
11.1	Infrastructure/	building/fixtures – Structure type (specify in text):
	11.1.1	Non-existent/inadequate
	11.1.2	Structure, building or fixture is faulty or is damaged or worr
	11.1.3	Structure, building or fixture issue not elsewhere classified
11.2	Infrastructure/b	ouilding/fixtures – Building type (specify in text):
	11.2.1	Non-existent/inadequate
	11.2.2	Structure, building or fixture is faulty or is damaged or worr
	11.2.3	Structure, building or fixture issue not elsewhere classified
11.3	Infrastructure/b	uilding/fixtures – Fixture type (specify in text):
	11.3.1	Non-existent/inadequate
	11.3.2	Structure, building or fixture is faulty or is damaged or worr
	11.3.3	Structure, building or fixture issue not elsewhere classified
	9998	Not relevant
	9999	Not known

# **Comments:**

Level 3 incident types are defined in Appendix 3.

Variable: Text description of Second incident

**Variable name:** z\_inc\_type2\_txt

**Definition:** Describe the adverse clinical incident.

Justification: To record the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

#### **Comments:**

Provide a short description of the adverse clinical incident.

Any 'Other' incident types or those with 'specify in text' can be indicated in this descriptive text box.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'. Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc Refer to hospitals by hospital A, hospital B.

Variable: Second incident, Level 1

Variable name: z\_inc\_type2a

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

Justification: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 2 digit numeric

Coding source: Adapted from WHO IPCS 2009

#### **Coding frame:**

0	Nil
1	Clinical administration
2	Clinical process/procedure
3	Documentation
4	Healthcare-associated infection or complication
5	Medication/IV fluids (specify in text)
6	Blood/blood products (specify in text)
7	Nutrition
8	Oxygen/gas/vapour (specify in text)

9 Medical device/equipment

10 Patient incidents

11 Infrastructure/building/fixtures

97 Other

98 Not relevant

99 Not known

#### **Comments:**

Level 1 incident types are defined in Appendix 1.

Variable: Second incident type, Level 2

Variable name: z\_inc\_type2b

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

Justification: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 2 digit numeric

Coding source: Adapted from WHO IPCS 2009

**Coding frame:** 

See First incident type, Level 2 for coding frame.

#### **Comments:**

Level 2 incident types are defined in Appendix 2.

Any 'Other' incident types can be indicated in descriptive text box.

Indicate any specific types of medication, IV fluid, blood, blood products, oxygen, gas, vapour, medical devices or equipment, structures, buildings or fixtures in descriptive text box.

Variable: Second incident type, Level 3

Variable name: z\_inc\_type2c

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

Justification: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 3 digit numeric

Coding source: Adapted from WHO IPCS 2009

**Coding frame:** 

See First incident type, Level 3 for coding frame.

**Comments:** 

Level 3 incident types are defined in Appendix 3.

Variable: Text description of Third incident

**Variable name:** z\_inc\_type3\_txt

**Definition:** Describe the adverse clinical incident.

**Justification**: To record the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

#### **Comments:**

Provide a short description of the adverse clinical incident.

Any 'Other' incident types or those with 'specify in text' can be indicated in this descriptive text box.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'. Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc Refer to hospitals by hospital A, hospital B.

Variable: Third incident, Level 1

Variable name: z\_inc\_type3a

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

Justification: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 2 digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

0	Nil
1	Clinical administration
2	Clinical process/procedure
3	Documentation
4	Healthcare-associated infection or complication
5	Medication/IV fluids (specify in text)
6	Blood/blood products (specify in text)
7	Nutrition
8	Oxygen/gas/vapour (specify in text)
9	Medical device/equipment
10	Patient incidents
11	Infrastructure/building/fixtures
97	Other
98	Not relevant

#### **Comments:**

Level 1 incident types are defined in Appendix 1.

Not known

Variable: Third incident type, Level 2

Variable name: z\_inc\_type3b

99

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

Justification: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 2 digit numeric

Coding source: Adapted from WHO IPCS 2009

**Coding frame:** 

See First incident type, Level 2 for coding frame.

# **Comments:**

Level 2 incident types are defined in Appendix 2.

Any 'Other' incident types can be indicated in descriptive text box.

Indicate any specific types of medication, IV fluid, blood, blood products, oxygen, gas, vapour, medical devices or equipment, structures, buildings or fixtures in descriptive text box.

Variable: Third incident type, Level 3

**Variable name:** z\_inc\_type3c

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

**Justification**: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 3 digit numeric

Coding source: Adapted from WHO IPCS 2009

**Coding frame:** 

See First incident type, Level 3 for coding frame.

**Comments:** 

Level 3 incident types are defined in Appendix 3.

Variable: Text description of Fourth incident

**Variable name:** z\_inc\_type4\_txt

**Definition:** Describe the adverse clinical incident.

**Justification**: To record the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

**Comments:** 

Provide a short description of the adverse clinical incident.

Any 'Other' incident types or those with 'specify in text' can be indicated in this descriptive text box.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'.

Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc Refer to hospitals by hospital A, hospital B.

Variable: Fourth incident, Level 1

Variable name: z\_inc\_type4a

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

Justification: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 2 digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

0	Nil
1	Clinical administration
2	Clinical process/procedure
3	Documentation
4	Healthcare-associated infection or complication
5	Medication/IV fluids (specify in text)
6	Blood/blood products (specify in text)
7	Nutrition
8	Oxygen/gas/vapour (specify in text)
9	Medical device/equipment
10	Patient incidents
11	Infrastructure/building/fixtures
97	Other
98	Not relevant
99	Not known

# **Comments:**

Level 1 incident types are defined in Appendix 1.

Variable: Fourth incident type, Level 2

Variable name: z\_inc\_type4b

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

Justification: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 2 digit numeric

Coding source: Adapted from WHO IPCS 2009

**Coding frame:** 

See First incident type, Level 2 for coding frame.

#### **Comments:**

Level 2 incident types are defined in Appendix 2.

Any 'Other' incident types can be indicated in descriptive text box.

Indicate any specific types of medication, IV fluid, blood, blood products, oxygen, gas, vapour, medical devices or equipment, structures, buildings or fixtures in descriptive text box.

Variable: Fourth incident type, Level 3

Variable name: z\_inc\_type4c

**Definition:** What was the type of incident performed at the time of the adverse clinical incident?

Justification: To identify the type of incident performed at the time of the adverse clinical

incident.

Format: 3 digit numeric

Coding source: Adapted from WHO IPCS 2009

**Coding frame:** 

See First incident type, Level 3 for coding frame.

#### **Comments:**

Level 3 incident types are defined in Appendix 3.

# Section 5: Contributing factors

Section 5 records information on the contributing factors. Up to four contributing factors can be recorded. A contributing factor is considered to be "a circumstance, action or influence which is thought to have played a part in the origin or development of an incident or to increase the risk of an incident"<sup>4</sup>. Contributing factors could involve a staff member's behaviour or actions, the patient, the organisation (such as policies or guidelines, supervision), or the work environment (such as noise, remoteness). The contributing factors are factors that pre-existed before the sequence of incident type factors began.<sup>5</sup>

Variable: Text description of First contributing factor

Variable name: z\_CF1\_txt

**Definition:** Describe the contributing factor at the time of the adverse clinical incident.

**Justification**: To record the contributing factor at the time of the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

### **Comments:**

Provide a short description of the contributing factor.

Any 'Other' contributing factors or those with 'specify in text' can be indicated in this descriptive text box.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'. Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc Refer to hospitals by hospital A, hospital B.

<sup>&</sup>lt;sup>4</sup> World Health Organization, *Report on the web-based modified-Delphi survey of the International Classification for Patient Safety*. 2007, World Health Organization: Geneva.

<sup>&</sup>lt;sup>5</sup> Mitchell, R., Williamson, A., and Molesworth, B., *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital*. Applied Ergonomics, 2016. 52: p. 185-195.

Variable: First contributing factor, Level 1

Variable name: z\_CF1a

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 1 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

# **Coding frame:**

0 Nil

- 1 Staff factors behavioural/human action/ individual
- 2 Patients factors
- 3 Organisational/service factors
- 4 Work environment factors
- 5 Other factors
- 8 Not relevant
- 9 Not known

#### **Comments:**

Level 1 contributing factors are defined in Appendix 4.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: First contributing Factor, Level 2

Variable name: z\_CF1b

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 2 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

# **Coding frame:**

0 Nil

- 1. Staff factors behavioural/human action/individual
  - 1.1 Clinical process or procedure error or violation
  - 1.2 Communication/miscommunication
  - 1.3 Physical and psychological health
  - 1.4 Training
  - 1.5 Experience
  - 1.6 Fatigue/ exhaustion
  - 1.7 Stress
  - 1.9 Individual factors not elsewhere classified
- 2. Patients factors
  - 2.1 Physical and psychological health or impairment (pre-existing)
  - 2.2 Communication issues
  - 2.3 Patient not elsewhere classified
- 3. Organisational service factors
  - 3.1 Work practices, protocols, policies or guidelines
  - 3.2 Supervision
  - 3.3 Organisational decisions/ culture
  - 3.4 Workforce and teamwork
  - 3.5 Workload, work pressure or workflow
  - 3.6 Organisational factors not elsewhere classified
- 4. Work environment factors
  - 4.1 Light
  - 4.2 Temperature
  - 4.3 Noise
  - 4.4 Physical layout
  - 4.5 Security
  - 4.6 Remote/long distance

# 4.7 Work environment not elsewhere classified

# 5. Other factors

98 Not relevant99 Not known

# **Comments:**

Level 2 contributing factors are defined in Appendix 5.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: First contributing factor, Level 3

Variable name: z\_CF1c

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 3 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

# **Coding frame:**

0 Nil

- 1.1 Staff factors Clinical process or procedure error or violation
  - 1.1.1 Error skill based
  - 1.1.2 Error rule-based
  - 1.1.3 Error knowledge-based
  - 1.1.4 Violation
  - 1.1.5 Bias or anchoring
  - 1.1.6 Error, violation or bias type not able to be determined
- 1.2 Staff factors communication/ miscommunication
  - 1.2.1 Inadequate between care providers not handover
  - 1.2.2 Inadequate to patient/family/carer
- 1.3 Staff factors physical and psychological health
  - 1.3.1 Physical disease or impairment
  - 1.3.2 Psychological health or addition
- 2.1 Patients factors physical and psychological heath or impairment
  - 2.1.1 Physical disease or impairment
  - 2.1.2 Physical characteristic
  - 2.1.3 Intellectual disability
  - 2.1.4 Psychological health
  - 2.1.5 Physical health not elsewhere classified
- 2.2 Patients factors communication issues
  - 2.2.1 Language barrier
  - 2.2.2 Not disclosing information unintentional
  - 2.2.3 Not disclosing information intentional
- 3.1 Organisational service factors work practices, protocols, polices or guidelines
  - 3.1.1 Work practices, but no policy/guidelines/protocol
  - 3.1.2 Policy/guidelines exist, but are unclear/inconsistent/inadequate
  - 3.1.3 Policy/guidelines exist, but are not followed

- 3.1.4 Policy/guidelines not elsewhere classified
- 3.4 Organisational service factors workforce and teamwork
  - 3.4.1 Availability of senior staff
  - 3.4.2 Staff rostering/ staff numbers/ staff skill mix
  - 3.4.3 No identified lead clinician
  - 3.4.4 Team roles unclear or inappropriate
- 3.5 Organisational service factors workload, work pressure or workflow
  - 3.5.1 Workload or work pressure
  - 3.5.2 Disruption in workflow
  - 3.5.3 Bed availability
- 4.1 Work environment factors light
  - 4.1.1 No or too little light
  - 4.1.2 Too much light/glare
  - 4.1.3 Light not elsewhere classified
- 4.2 Work environment factors temperature
  - 4.2.1 Too hot
  - 4.2.2 Too cold
  - 4.2.3 Temperature not elsewhere classified
- 4.3 Work environment factors noise
  - 4.3.1 Too noisy
  - 4.3.2 Too quite
  - 4.3.3 Noise not elsewhere classified
- 4.4 Work environment factors physical layout
  - 4.4.1 Isolation
  - 4.4.2 Poor access
  - 4.4.3 Physical layout not elsewhere classified
- 5. Other factors

998 Not relevant999 Not known

#### **Comments:**

Level 3 contributing factors are defined in Appendix 6.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Text description of Second contributing factor

**Variable name:** z\_CF2\_txt

**Definition:** Describe the contributing factor at the time of the adverse clinical incident.

**Justification**: To record the contributing factor at the time of the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

#### **Comments:**

Provide a short description of the contributing factor.

Any 'Other' contributing factors or those with 'specify in text' can be indicated in this descriptive text box.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'. Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc Refer to hospitals by hospital A, hospital B.

Variable: Second contributing factor, Level 1

Variable name: z\_CF2a

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 1 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

# **Coding frame:**

- 0 Nil
- 1 Staff factors behavioural/human action/ individual
- 2 Patients factors
- 3 Organisational service factors
- 4 Work environment factors
- 5 Other factors
- 8 Not relevant
- 9 Not known

#### **Comments:**

Level 1 contributing factors are defined in Appendix 4.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Second contributing factor, Level 2

Variable name: z\_CF2b

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 2 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

#### **Coding frame:**

See First contributing factor, Level 2 for coding frame.

#### **Comments:**

Level 2 contributing factors are defined in Appendix 5.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Second contributing factor, Level 3

Variable name: z\_CF2c

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 3 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

#### **Coding frame:**

See First contributing factor, Level 3 for coding frame.

#### **Comments:**

Level 3 contributing factors are defined in Appendix 6.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Text description of Third contributing factor

Variable name: z\_CF3\_txt

**Definition:** Describe the contributing factor at the time of the adverse clinical incident.

**Justification**: To record the contributing factor at the time of the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

#### **Comments:**

Provide a short description of the contributing factor.

Any 'Other' contributing factors or those with 'specify in text' can be indicated in this descriptive text box.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'. Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc. Refer to hospitals by hospital A, hospital B.

Variable: Third contributing factor, Level 1

Variable name: z\_CF3a

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 1 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

#### **Coding Frame:**

- 0 Nil
- 1 Staff factors behavioural/human action/ individual
- 2 Patients factors
- 3 Organisational service factors
- 4 Work environment factors
- 5 Other factors
- 8 Not relevant
- 9 Not known

#### **Comments:**

Level 1 contributing factors are defined in Appendix 4.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Third contributing factor, Level 2

Variable name: z\_CF3b

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

Justification: To identify the contributing factors at the time of the adverse clinical incident.

Format: 2 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

# **Coding frame:**

See First contributing factor, Level 2 for coding frame.

#### **Comments:**

Level 2 contributing factors are defined in Appendix 5.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Third contributing factor, Level 3

Variable name: z\_CF3c

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 3 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

#### **Coding frame:**

See First contributing factor, Level 3 for coding frame.

#### **Comments:**

Level 3 contributing factors are defined in Appendix 6.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Text description of Fourth contributing factor

Variable name: z\_CF4\_txt

**Definition:** Describe the contributing factor at the time of the adverse clinical incident.

Justification: To record the contributing factor at the time of the adverse clinical incident.

Format: Text

**Coding source:** 

**Coding frame:** 

#### **Comments:**

Provide a short description of the contributing factor.

Any 'Other' contributing factors or those with 'specify in text' can be indicated in this descriptive text box.

Note: The text description should not include any identifying information regarding individuals. Refer to the individual to whom the clinical incident occurs as 'the patient' or 'the deceased'. Refer to health professionals by their position not by their name e.g. registrar, intern, midwife. Dr X, Dr Y, etc. Refer to hospitals by hospital A, hospital B.

Variable: Fourth contributing factor, Level 1

Variable name: z\_CF4a

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 1 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

### **Coding frame:**

- 0 Nil
- 1 Staff factors behavioural/human action/ individual
- 2 Patients factors
- 3 Organisational service factors
- 4 Work environment factors
- 5 Other factors
- 8 Not relevant
- 9 Not known

#### **Comments:**

Level 1 contributing factors are defined in Appendix 4.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Fourth contributing Factor, Level 2

Variable name: z\_CF4b

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 2 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

#### **Coding frame:**

See First contributing factor, Level 2 for coding frame.

#### **Comments:**

Level 2 contributing factors are defined in Appendix 5.

Any 'Other' contributing factors can be indicated in descriptive text box.

Variable: Fourth contributing factor, Level 3

Variable name: z\_CF4c

**Definition:** What were the contributing factors at the time of the adverse clinical incident?

**Justification**: To identify the contributing factors at the time of the adverse clinical incident.

Format: 3 digit numeric

**Coding source:** Adapted from WHO IPCS 2009 and Mitchell, R. et al *Application of a human factors classification framework for patient safety to identify precursor and contributing factors to adverse clinical incidents in hospital.* Applied Ergonomics, 2016. 52: p. 185-195

# **Coding frame:**

See First contributing factor, Level 3 for coding frame.

#### **Comments:**

Level 3 contributing factors are defined in Appendix 6.

Any 'Other' contributing factors can be indicated in descriptive text box.

# Section 6: Organisation preventive actions

Section 6 records information on actions taken and/or changes made by the organisation to prevent future adverse clinical incidents occurring. The preventive actions may apply to healthcare professionals (e.g. awareness raising), to professions (e.g. professional development, mentoring), and/or to the organisation (policies/ procedures, equipment, record keeping, culture). Up to five preventive actions can be indicated.

Variable: Organisation preventive actions1

Variable name: z\_org\_action1

**Definition:** What type of preventive actions were conducted by the health organisation that were reported in the coronial findings?

**Justification**: To identify the type of preventive actions that were conducted by the health organisation that were reported in the coronial findings.

Format: 2-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

- 1 No preventive actions reported in the coronial findings
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Preventive actions not elsewhere classified (nec)
- 99 Preventive actions not specified

#### **Comments:**

Up to five organisation preventive actions can be classified.

Variable: Organisation preventive actions2

Variable name: z\_org\_action2

**Definition:** What type of preventive actions were conducted by the health organisation that were reported in the coronial findings?

**Justification**: To identify the type of preventive actions that were conducted by the health organisation that were reported in the coronial findings.

Format: 2-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

- 1 No preventive actions reported in the coronial findings
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Preventive actions nec
- 99 Preventive actions not specified

#### **Comments:**

Up to five organisation preventive actions can be classified.

Variable: Organisation preventive actions3

Variable name: z\_org\_action3

**Definition:** What type of preventive actions were conducted by the health organisation that were reported in the coronial findings?

**Justification**: To identify the type of preventive actions that were conducted by the health organisation that were reported in the coronial findings.

Format: 2-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

- 1 No preventive actions reported in the coronial findings
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records

- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Preventive actions nec
- 99 Preventive actions not specified

#### **Comments:**

Up to five organisation preventive actions can be classified.

Variable: Organisation preventive actions4

Variable name: z\_org\_action4

**Definition:** What type of preventive actions were conducted by the health organisation that were reported in the coronial findings?

**Justification**: To identify the type of preventive actions that were conducted by the health organisation that were reported in the coronial findings.

Format: 2-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

- 1 No preventive actions reported in the coronial findings
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Preventive actions nec
- 99 Preventive actions not specified

#### **Comments:**

Up to five organisation preventive actions can be classified.

Variable: Organisation preventive actions5

Variable name: z\_org\_action5

**Definition:** What type of preventive actions were conducted by the health organisation that

were reported in the coronial findings?

Justification: To identify the type of preventive actions that were conducted by the health

organisation that were reported in the coronial findings.

Format: 2-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

1 No preventive actions reported in the coronial findings

- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Preventive actions nec
- 99 Preventive actions not specified

# **Comments:**

Up to five organisation preventive actions can be classified.

# Section 7: Coronial recommendations

Section 7 records information on recommendations made by the Coroner to prevent future adverse clinical incidents occurring. The Coronial recommendations may apply to healthcare professionals (e.g. awareness raising), to professions (e.g. professional development, mentoring), and/or to the organisation (policies/ procedures, equipment, record keeping, culture). Up to five recommendations can be indicated.

Variable: Coronial recommendations1

Variable name: z\_coroner\_recom1

**Definition:** What type of recommendations did the Coroner make that were reported in the

coronial findings?

Justification: To identify the type of coronial recommendations that were reported in the

coronial findings.

Format: 1-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

0 No recommendations

- 1 No recommendations as hospital already made changes
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Recommendations nec

#### **Comments:**

Up to five organisation preventive actions can be classified.

Variable: Coronial recommendations2

Variable name: z\_coroner\_recom2

**Definition:** What type of recommendations did the Coroner make that were reported in the

coronial findings?

**Justification**: To identify the type of coronial recommendations that were reported in the coronial findings.

Format: 1-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

- 0 No recommendations
- 1 No recommendations as hospital already made changes
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Recommendations nec

# **Comments:**

Up to five organisation preventive actions can be classified.

Variable: Coronial recommendations3

Variable name: z\_coroner\_recom3

**Definition:** What type of recommendations did the Coroner make that were reported in the

coronial findings?

**Justification**: To identify the type of coronial recommendations that were reported in the

coronial findings.

Format: 1-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

- 0 No recommendations
- 1 No recommendations as hospital already made changes
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design

- 8 Staff training or education
- 9 Recommendations nec

#### **Comments:**

Up to five organisation preventive actions can be classified.

Variable: Coronial recommendations4

Variable name: z\_coroner\_recom4

**Definition:** What type of recommendations did the Coroner make that were reported in the

coronial findings?

Justification: To identify the type of coronial recommendations that were reported in the

coronial findings.

Format: 1-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

- 0 No recommendations
- 1 No recommendations as hospital already made changes
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Recommendations nec

#### **Comments:**

Up to five organisation preventive actions can be classified.

Variable: Coronial recommendations5

Variable name: z\_coroner\_recom5

**Definition:** What type of recommendations did the Coroner make that were reported in the

coronial findings?

Justification: To identify the type of coronial recommendations that were reported in the

coronial findings.

Format: 1-digit numeric

Coding source: Adapted from WHO IPCS 2009

# **Coding frame:**

0 No recommendations

- 1 No recommendations as hospital already made changes
- 2 Organisational policies/ protocols/ guidelines
- 3 Organisational checklists
- 4 Organisational record keeping, medical or electronic records
- 5 Organisational culture
- 6 Organisational supervision
- 7 Equipment changes and/or design
- 8 Staff training or education
- 9 Recommendations nec

#### **Comments:**

Up to five organisation preventive actions can be classified.

# Appendix 1 – Incident type – Level 1

Term	Definition
1. Clinical administration	Actions associated with processing patient information through the
	healthcare system. Examples of this involve factors associated with
	appointments, allocation of tasks, patient admission and discharge.
2. Clinical process/procedure	Procedures and processes relevant to clinical care. This also
	includes types of observations and diagnostic tests used to evaluate
	a patient's condition.
3. Documentation	Administrative documents or files that are used to communicate
	relevant patient information. This includes instructions, medical
	records, pathology results or checklists, including electronic medical
	records.
4. Healthcare associated infection or	Infections that occur due to any microorganisms that are
complication	contracted or developed by patients or healthcare providers leading
	to illness or death. These include viruses, fungi, parasites.
	Complications refer to complications that occurred during a
	patient's episode of care, excluding complications that occurred
	during a procedure - these should be coded in Section 2.
5. Medication/IV fluids (specify in	Any processes and action involved regarding the administration of
text)	patient medication(s) or fluids. This information is only to be
	classified if the incident involved medication or IV fluid being given
	to the wrong patient, the wrong medication was used, wrong dose,
	formulation, route, quantity, dispensing etc. Specify in text type of
	medication(s) involved in the incident e.g. Antidepressant or could
	state the brand name of the drug.
6. Blood/blood products (specify in	Components found within blood and procedures involved in the
text)	handling of blood or blood products. This includes transfusions,
	storage and preparation. List blood/ blood product involved.
7. Nutrition	Processes involved in nutritional care such as general or specialised
	dietary requirements. This also includes any procedures involved in
	the handling, transport and storage of food and drink.
8. Oxygen/gas/vapour (specify in	Incidents associated in the administration, prescription of any
text)	oxygen or specific gas or vapours. Other logistical errors including
	delivery, supply and storage are also included. Specify in text type
	of oxygen/gas/vapour that was involved in the incident.
9. Medical device/equipment	Any problems pertaining to medical devices or equipment in patient
	care or medical procedures. Examples are equipment malfunction,
	appropriateness for task and unsanitary equipment. These include
	events that involved equipment or device failures, breakages,
	malfunctions at the time of the incident. This also includes a lack of
	medical equipment and medical supplies.
10. Patient incidents	Injuries sustained from physical trauma, falls, the environment or
	adverse effects while in the health care system. These
	classifications are consistent with the National Coronial Information
44 lafa-atomatoma (1. 11.11. 16. 1	System Data Dictionary.
11. Infrastructure/building/fixtures	Incidents involving healthcare infrastructure.
97. Other	Any incident not otherwise specified. Specify the incident type in
	text.
98. Not relevant	Any incident where the incident type is not relevant.
99. Not known	Any incident where the incident type is not known.

# Appendix 2 – Incident type – Level 2

Term	Definition
1. Clinical administration	
1.1. Clinical handover	A clinical handover refers to the 'transfer of professional responsibility and accountability for some or all aspects of a patient's or a group of patients' care to another person or professional group on a temporary or permanent basis'. (RCGP)
1.2. Appointment	An appointment refers to a consultation appointment with a clinical or administrative staff member.
1.3. Waiting list	Waiting list refers to a patient either on a waiting list for a consultation with a physician and/or specialist or a patient on a waiting list for surgery.
1.4. Referral/consultation	Referral/consultation refers to a referral from a general practitioner (or similar) for a consultation with a specialist.
1.5. Admission	Admission refers to hospital admission and/or presentation to an emergency department.
1.6. Discharge	Discharge refers to discharge from hospital and/or the emergency department.
1.7. Transfer of care	A transfer of care either refers to the transfer of a patient between hospitals or the transfer of care of a patient between wards (e.g. general ward to intensive care) in the same hospital.
1.8. Patient identification	Refers to the correct identification of a patient at the time that the patient is to undergo a procedure or to take medications. Items of information for identifying a patient including: name (first/last names), date of birth, gender (identified by patient), address, patient medical record, patient identification band where exists. This does not include errors on, or an absence of, a patient identification band, which would be classified as 3. Documentation and 3.6 Labels/stickers/identification bands/ cards.
1.9. Consent	Patient consent refers to where the patient (or their family members/carer) agree to a course of treatment. Consent is obtained after a process where patient and healthcare practitioner engage in a discussion surrounding a proposed medical treatment: including the consequences, harms, benefits, risks and alternatives.
1.10 Task allocation	Tasks allocation refers to the distributed to healthcare professionals of tasks to be completed.
1.11. Response to emergency	Response to an emergency refers to an individual's response to a situation that is life-threatening and/or time-critical, such as performing CPR on a patient.
2. Clinical process/procedure	
2.1. Screening/prevention/routine check-	Any screening tests or check-up on a patient that are used to
up	prevent or manage a particular health condition or disease. e.g. fall injury prevention, check blood pressure, cancer screening, eye sight check. This does not include invasive procedures that are conducted as part of diagnostic testing (e.g. colonoscopy - these are identified as 2.3 procedures).
2.2. Diagnosis/assessment	Process of determining which disease or condition explains a patient's symptom or signs. This excludes invasive procedures that are conducted as part of diagnostic testing.
2.3. Procedure/treatment/intervention	Any treatments, procedures or interventions administered to the patient that are not part of screening or a routine check-up, such as chemotherapy, a surgical procedure. This includes

healthcare and observations  2.5. Specimens/results  2.6. Detention/restraint  2.7. Patient specimen or results from a particular clinical procedure or process.  2.6. Detention/restraint  2.7. Patient detention or restraint that involves either physical restraint, seclusion measures or sedation.  3.8. Documentation  3.9. Orders/requests  2.6. Any orders or requests placed by internal or external healthcare providers relating to the patient and/or their treatment.  3.9. Charts/medical  2.7. Any existing or new medical records, charts, x-rays or consultation reports.  3.8. Check lists  2.8. Check lists  3.9. Check lists  3.9. Check lists for particular procedures, such as 'Five rights of medication use' e.g. Right patient, right drug, right dose, right route, right lime; or surgical checklists.  3.9. Labels/stickers/identification  3.10. Labels/stickers/identification  4.10. Labels/stickers/identification  4.10. Labels/stickers/identification  4.10. Labels/stickers/identification  4.10. Labels/stickers/identification  4.10. Labels/stickers/identification or identification or viral infection  4.10. Labels/stickers/stick	Term	Definition
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5.4. Delivery of medication/IV Fluid within the care setting or out of	5 5	name/packaging of different medications or same medication
·	5.4. Delivery	
	/	the care setting during transit.

Term	Definition
5.5. Administration	Medication or IV fluid administered to a patient by a
	healthcare provider.
5.6. Supply/ordering	The supply or ordering of any medications or IV fluids.
5.7. Storage	Any means of storing medication or IV fluid within or outside
G	the healthcare setting e.g. during transit.
5.8. Monitoring	Observation of patients requiring medication or IV fluids for
	acute and delayed adverse reactions related to mediation/IV
	fluids. This does not include taking patient observations which
	are classified in Section 2 as 2.4 Day-to-day general inpatient
	healthcare and observations.
6. Blood/blood products (specify in text)	
6.1. Pre-transfusion testing	Compatibility testing prior to blood or blood product
	transfusion to prevent transfusion of incompatible material
	that might result in an adverse transfusion reaction.
6.2. Prescribing	Prescription of blood or blood products.
6.3. Preparation/dispensing	Blood/ blood product preparation or dispensing by healthcare staff.
6.4. Delivery	Any parties involved in the delivery of blood products either to
	a healthcare setting during transit or directly to a patient.
6.5. Administration	Blood products administered to a patient by a healthcare
	provider.
6.6. Storage	The way in which blood products are stored at, or outside of, a
	healthcare facility or during transit.
6.7. Monitoring	Observation of patients requiring blood or blood products for
	acute and delayed adverse reactions related to blood or blood
	products. This does not include taking patient observations
	which are classified in Section 2 as 2.4 Day-to-day general
	inpatient healthcare and observations.
6.8. Presentation/packaging	Packing and presentation of blood or blood-related products
	for storage or transport between participating health
6.0. Supply/ordering	providers.
6.9 Supply/ordering	Existing or future supply of blood or blood products and any issues related to ordering of blood or blood products.
7. Nutrition	issues related to ordering or blood or blood products.
7.1 Prescribing/requesting	Prescription or request for specific food or fluids.
7.2 Preparation/manufacturing/cooking	The process in which food was prepared, manufactured or
7.2 Freparation/mandracturing/cooking	cooked within or outside the healthcare setting.
7.3 Supply/ordering	Existing or future supply of nutrition within the healthcare
7.5 Supply/ Gracing	setting.
7.4 Presentation	Refers to the presentation of food or fluid to the patient in the
7111 resembled	healthcare setting.
7.5 Dispensing/allocation	The provision or allocation of food/fluid to patients in the
7.15 Disperising/unocation	healthcare setting.
7.6 Delivery	Delivery of food to/from/within the healthcare setting or
<b>,</b>	delivery of food directly to the patient.
7.7 Administration	The process by which food or fluids are fed/provided to
	patients who are unable to feed themselves.
7.8 Storage	Storage of food supply within or outside the healthcare setting
-	or during transit.
8. Oxygen/gas/vapour (specify in text)	
8.1. Cylinder labelling/colour coding/pin	Labelling, colour coding or pin indexing system on
indexing	oxygen/vapour gas systems to ensure connection between
	oxygen, pressurised gas or vapour is not connected to the
	wrong outlet.
8.2. Prescription	Prescription of oxygen, gas or vapour to patient(s).

Term	Definition
8.3. Administration	Administration of oxygen, gas or vapour to patient(s).
8.4. Delivery	Internal or external delivery of oxygen, gas or vapour to the
•	healthcare facility or directly to the patient(s).
8.5. Supply/ordering	The existing or future supply or ordering of oxygen, gas or
	vapour at the healthcare facility.
8.6. Storage	Internal or external storage of oxygen, gas or vapour at the
	healthcare facility or during transit.
9. Medical device/equipment	
9.1. Device/equipment (specify in text)	Type of medical devices or equipment involved in the incident.
10. Patient incidents	
10.1. Blunt force	Physical trauma from the transfer of energy in one form or
	another to the tissues that are damaged (NCIS. Data Dictionary
	for the National Coronial Information System. V3. Melbourne,
	NCIS 2010). Blunt force includes transport injuries, contact with
	objects or animals, contact with person, crushing, abrasion,
	rubbing.
10.2. Piercing/penetrating force	Includes scratching, cutting, tearing, severing, puncturing,
	stabbing, biting, stinging, invenomating.
10.3. Other mechanical force	Includes struck by explosive blast, contact with machinery,
	other mechanical forces.
10.4. Thermal mechanism	Includes heating or cooling, other thermal mechanisms.
10.5. Threat to breathing	Includes mechanical threat to breathing, drowning/near
	drowning, confinement in oxygen-deficient place, anaphylaxis,
	physical restraint.
10.6. Exposure to chemical or other	Includes poisoning or corrosion by solid, liquid or gaseous
substance	substance(s).
10.7. Other specified mechanism of	Includes other injury mechanisms, including contact with
injury	foreign bodies, electricity, radiation, sound, vibration, air
	pressure
10.8. Exposure to (effect of) weather or	Includes exposure to (effect of) precipitation, wind, earth or
other force of nature	ocean movement, eruption, weather, natural disaster, or other
	forces of nature.
10.9. Falls	A fall refers to an event which results in a person coming to
	rest inadvertently on the ground or floor or other lower level
	(World Health Organization. WHO Global report on falls
	prevention in older age. Geneva: WHO, 2016).
11. Infrastructure/ building/ fixtures	
11.1. Structure type (specify in text)	Type of structure where the incident occurred.
11.2. Building type (specify in text)	Building where the incident occurred.
11.3. Fixture type (specify in text)	Type of building fixture involved in the incident.

# Appendix 3 – Incident type – Level 3

Term	Definition
1. Clinical administration	
Not performed	Treatment, process or procedure not performed (e.g. clinical handover not conducted).
Incomplete/inadequate/not requested	Treatment, process or procedure was incomplete or inadequate or not requested (e.g. clinical handover was incomplete and/or information regarding the patient and/or their care was not adequately communicated to staff).
Unavailable	Treatment, process or procedure was unavailable (e.g. the consultant was not available to treat the patient).
Wrong patient	Treatment, process or procedure was administered to the incorrect patient (e.g. clinical handover was conducted with staff about the incorrect patient).
Wrong process/service	Treatment, process or procedure was incorrect or was not in accordance with procedures (e.g. clinical handover involved incorrect information being communicated about the patient).
Delayed/failure to respond	Clinical administrative task was not performed in a timely manner. e.g. there were delays in patient transfer from one facility to another.
2. Clinical process/procedure	
Not performed	Treatment, process or procedure not performed and/or no record of clinical observations being completed (e.g. no medical test was conducted). The procedure could have been requested, but it was not performed
Incomplete/inadequate/not requested	Treatment, process or procedure was incomplete, inadequate or not requested to ensure the best possible outcome for the patient (e.g. medical test was not requested, not administered correctly or was incomplete; during general care patient care was inadequate e.g. patient developed pressure ulcers). The test results were not reviewed or not adequately reviewed.
Unavailable	Treatment, process or procedure was unavailable (e.g. no equipment was available to conduct the medical test e.g. no MRI).
Wrong patient	Treatment, process or procedure was administered to the incorrect patient (e.g. the medical test was performed on the incorrect patient).
Wrong process/service/treatment/procedure	Treatment, process or procedure was incorrect or was contra-indicated or was not in accordance with clinical guidelines or procedures (e.g. the incorrect medical test was performed on the patient or the correct medical test was performed, but on the wrong body part e.g. x-ray of incorrect wrist).
Retained instrument/material	A surgical instrument or material used in a surgical procedure not intending to be retained, remained in the patient at the completion of the procedure.
Delay/failure too respond/failure to recognise deteriorating patient	Diagnosis, treatment, procedure, or intervention was not made in a timely manner and/or within a timeframe specified in clinical guidelines or procedures or within a timeframe that would be considered 'best practice'.  Changes in the patient's condition were not recognised

Definition
and/or escalated. Results of treatment, process or
procedure were not reviewed.
Treatment, process or procedure was administered to the
correct patient, but was conducted on the wrong body
part, side or site (e.g. the x-ray was taken of the left
instead of the right tibia)
A complication occurring during a clinical procedure. e.g.
the laser cut into the patient's heart wall. This is different
to a person's skill-based errors in the contributing factors
section. Skill-based errors are failures of action or
unintended actions for well-rehearsed actions.
Missing or unavailable document (e.g. the x-ray was
missing; the electronic patient record could not be
accessed).
Delay in accessing document (i.e. paper, electronic or
from another health professional or patient) (e.g. a
patient was transferred for a specific medical test there
was a delay in the test result being provided).
Document that is associated with the incorrect patient or
incorrect document is used or consulted (e.g.
documentation was an x-ray for the wrong patient or
documentation was for an x-ray of the incorrect body
part).
Information is unclear or ambiguous or not easy to
understand (e.g. a patient's test result is not clear, due to
absent or ambiguous documentation).
Incorrect selection of an order/request/report from an
electronic medical record (e.g. a dropdown list provided
various options and the incorrect option was selected by
mistake).
Process or procedure involving the incorrect patient (e.g.
the incorrect patient was given the medication).
Process or procedure involving the incorrect drug (e.g. the
patient was given the wrong medication).
Process or procedure where the wrong dose/strength of
drug was used or administered (too much/little) (e.g. the
patient was given the wrong dose or strength of
medication as per what was originally prescribed e.g. 5
mg/ml instead of 0.5mg/ml).
Process or procedure involving the correct medication
and dose, but the wrong drug formulation or presentation
(e.g. the patient was given 50 mg of short-acting
metoprolol, but 50mg of long-acting metoprolol was
actually prescribed).
Process or procedure involving the incorrect route of
administration (a.g. and modifications six an interpretation
administration (e.g. oral medications given intravenously;
intravenous administration of enteral formulas).
intravenous administration of enteral formulas).
intravenous administration of enteral formulas).  Process or procedure where the incorrect quantity of
intravenous administration of enteral formulas).  Process or procedure where the incorrect quantity of medication was administered (e.g. the amount of
intravenous administration of enteral formulas).  Process or procedure where the incorrect quantity of medication was administered (e.g. the amount of medication dispensed to a patient differs from the
mg/ml instead of 0.5mg/ml).  Process or procedure involving the correct medication and dose, but the wrong drug formulation or presenta (e.g. the patient was given 50 mg of short-acting metoprolol, but 50mg of long-acting metoprolol was actually prescribed).  Process or procedure involving the incorrect route of

Term	Definition
	information or instruction, such as the incorrect dose or
	timing of medication administration.
Contraindication	Situation where a particular medication should not be
	used as it is harmful to the patient (e.g. the patient is
	allergic to penicillin, but penicillin is administered; certain
	medications should not be taken during pregnancy).
Wrong storage	Incorrect storage of medication at an internal or external
	site (e.g. medication that required refrigeration is not
	stored in a fridge).
Omitted medicine or dose	Failure to completely administer the appropriate medical
	dose (e.g. a patient does not receive one or more doses of
	their medication).
Expired medicine	Medication administered or used past the used by date
	(e.g. a patient is administered medication that is past its
	used by date).
Appropriateness of medication	The lack of appropriateness of the medication prescribed
	was not questioned. e.g. Strong analgesic medication was
	prescribed following very minor surgery that resulted in a
	patient overdose.
Adverse drug reaction not elsewhere classified	A patient adverse reaction resulting from a medication,
	either because of a pharmacological reaction to a normal
	dose, or because of a preventable adverse reaction to a
	drug resulting from an error (Joint Commission Resources
	Inc 2011), that is not indicated in 5.1.1 to 5.1.12.
6. Blood/blood product (specify in text)	
Wrong patient	Process or procedure involving the incorrect patient (e.g.
	the incorrect patient was given the blood/blood product).
Wrong blood/blood product	Process or procedure involving the incorrect blood or
	blood product (e.g. the patient was given the wrong blood
Muses descriptionally of frequency	or blood product).
Wrong dose/strength of frequency	Process or procedure where the wrong dose/strength of
	blood/blood product is used or administered (too much/little) (e.g. dose of platelets transfused over the
	incorrect time period).
Wrong quantity	Process or procedure where the incorrect quantity of
wrong quantity	blood/blood product is administered (e.g. the amount of
	blood/blood product given to a patient differs from the
	amount of blood/blood product prescribed).
Wrong dispensing label/instruction	Process or procedure where the blood/blood product
The transfer and the tr	packaging and/or the medical record has the incorrect
	dispensing information or instruction, such as dose or
	timing of blood/blood product administration.
Contraindication	Situation where a particular blood/blood product should
	not be used as it is harmful to the patient.
Wrong storage	Incorrect storage of blood product/blood at an internal or
	external site (e.g. blood/blood product that required
	refrigeration is not stored in a fridge).
Omitted product or dose	Blood or blood product that is omitted from a procedure
·	(e.g. a patient does not receive one or more transfusions
	of blood/ blood products).
Expired blood/blood product	Blood or blood product that is administered after its use
•	by date (e.g. a patient is administered blood/blood
	product that is past its used by date).
Adverse effect involving blood or blood	An undesired patient outcome that occurred during
products not elsewhere classified	administration of blood or blood products that caused

Term	Definition
	physical or psychological injury to the patient. This may include an injury that was caused by medical management or complication instead of the underlying disease and that resulted in prolonged hospitalisation or disability at the time of discharge from medical care, or both (Brennan et al. Incidence of adverse events and negligence in hospitalised patients. NEJM 1991, 324 (6) 370-376), that is not indicated in 6.1.1 to 6.1.9.
7. Nutrition	
Wrong patient	Process or procedure involving the incorrect patient (e.g. the correct food/fluid was provided to the incorrect patient).
Wrong diet	Incorrect food/fluid was provided to the patient (e.g. food with gluten was provided to a patient who was gluten intolerant).
Wrong quantity	Incorrect quantity (too little or too much) of food/fluid was provided to a patient.
Wrong frequency	Process or procedure involving the incorrect frequency of food/fluid being provided to a patient.
Wrong consistency	Incorrect consistency of food/fluids provided to a patient (e.g. a patient that was not able to eat solid food was provided with solid food).
Wrong storage	Inappropriate or incorrect storage of food /fluids provided to a patient. (e.g. food/fluid that required refrigeration is not stored in a fridge).
8. Oxygen/gas/vapour (specify in text)	
Wrong patient	Process or procedure involving the incorrect patient (e.g. the correct oxygen/gas/vapour was provided to the incorrect patient).
Wrong gas/vapour	Process or procedure involving the incorrect gas or vapour (e.g. the incorrect gas/vapour was provided to the patient).
Wrong rate/flow/concentration	Process or procedure where the rate, flow or concentration of oxygen, gas or vapour to the patient was incorrect.
Wrong delivery mode	Incorrect mode of delivering oxygen, gas or vapour to the patient.
Contraindication	Situation where a particular gas/vapour should not be used as it is harmful to the patient.
Wrong storage	The incorrect storage of any gas, vapour or oxygen at the healthcare facility.
Failure to administer	The failure to administer the gas, oxygen or vapour to the patient at the healthcare facility (e.g. oxygen thought to be administered to the patient but the oxygen tank was empty).
Contamination	Contamination of oxygen, gas or vapour either at the source of manufacturer or at the healthcare facility.
9. Medical device/equipment	
Poor presentation/packaging	Incorrect packaging or presentation of medical device/equipment (e.g. a device was stored in the wrong packaging).
Lack of availability	Medical equipment or devices that were needed were not available and/or present (e.g. a particular piece of equipment was not available for a surgery where it was needed).

Term	Definition
Inappropriate for task	Medical equipment or device was not suitable for the
	procedure or task and/or has been superseded. The
	medical equipment or device was used inappropriately
	(e.g. the incorrectly sized surgical blade was used for the
	incision on the patient).
Unclean/unsterile	Unsanitary or unsterile medical devices, equipment or
, , , , , , , , , , , , , , , , , , , ,	property were used. (e.g. the surgical blade was not
	sterilised before it was used on the patient).
Failure/malfunction	Medical equipment or devices broke, failed or was not
,	working properly. Medical device/equipment failed to
	correctly perform a task or that malfunctioned while
	performing a task (e.g. a faulty pace-maker).
Dislodgement/misconnection/removal	Any medical device of equipment that becomes dislodged,
	misconnected or removed during a process or procedure
	involving a patient (e.g. a PICC line that became dislodged
	in the patient).
Medical equipment/device failure – design	Medical equipment or devices broke or failed due to poor
	design for the task being performed. Includes human
	equipment/ interface, automation, controls/ barriers not
	designed, fitted, removed or rendered inoperative.
	Inadequate design of controls/barriers.
Medical equipment/device not elsewhere	Other factors relating to medical equipment or devices
classified	not elsewhere classified.
10. Patient incident	
Contact with blunt object or animal	Incidents where a patient sustains physical trauma related
contact than state object of allimia.	to blunt object and/or animal.
Contact with person	Incidents where a patient sustains physical trauma related
, , , , , , , , , , , , , , , , , , ,	to contact with a staff, patient or visitor.
Crushing	Incidents where a patient sustains physical trauma that
0	involves crushing of a staff, patient or visitor.
Abrading/rubbing	Incidents where a patient sustains physical trauma that
<i>5,</i>	involve scraping or wear by friction (rubbing) or skin tears.
Scratching/cutting/tearing/severing	Incidents where a patient sustains physical trauma that
2, 22 2 G, 22 2 G, 22 2 G	involve any forces that cause scratching, cutting, tearing,
	severing incidents of patient, staff or visitor.
Puncturing/stabbing	Incidents where a patient sustains physical trauma that
, <b>6</b> , <b>6</b>	involve puncturing or stabbing by inanimate object or
	person.
Biting/stinging/envenomating	Incidents where a patient sustains physical trauma that
<i>5. 5 5. 5</i>	involve biting, stinging or envenomating by animal or
	person.
Other specified piercing/penetrating force	Incidents where a patient sustains physical trauma that
	involve piercing or penetration from specified force.
Struck by explosive blast	Incidents where a patient sustains physical trauma
	involving an explosion.
Contact with machinery	Incidents where a patient sustains physical trauma that
·	involve contact with machinery e.g. hoist.
Excessive heat/fire	Incidents where a patient sustains physical trauma due to
	excessive heat or contact with fire.
Excessive cooling/freezing	Incidents where a patient sustains physical trauma due to
5. 5	
	excessive cooling or freezing from low temperatures.
Mechanical threat to breathing	
Mechanical threat to breathing	Incidents where a patient sustains physical trauma that involve asphyxiation due to mechanical threats to

Term	Definition
Drowning/near drowning	Incidents where a patient drowns or has a near-drowning
	experience.
Confinement to oxygen-deficient place	Incidents where a patient is confined to an oxygen-
	deficient location.
Poisoning by chemical or other substance	Incidents where a patient is poisoned from chemical or
	other substance(s).
Corrosion by chemical or other substance	Incidents where a patient has been exposed to corrosive
	materials.
Exposure to electricity/radiation	Incidents where a patient sustains physical trauma
	involving exposure to electrical currents or radiation.
Exposure to sound/vibration	Incidents where a patient sustains physical trauma
	involving exposure to sound vibration.
Exposure to air pressure	Incidents where a patient sustains physical trauma
	involving exposure to air pressure.
Exposure to low gravity	Incidents where a patient sustains physical trauma
	involving exposure to low gravity.
Exposure to environmental elements	Incidents where a patient sustains physical trauma
	involving exposure to environmental elements.
Fall involving cot	Any patient falls from/or involving a cot.
Fall involving bed	Any patient falls from/or involving a bed.
Fall involving chair or wheelchair	Any patient falls from/or involving a chair or wheelchair.
Fall involving stretcher	Any patient falls involving a stretcher, including a patient
	transport trolley.
Fall involving toilet	Any patient falls on/off a toilet.
Fall involving therapeutic equipment	Any patient falls involving therapeutic equipment,
	including patient hoists or slings.
Fall involving stairs/steps	Any patient falls up or down stairs/steps.
Fall while being carried/supported by another	Any patient falls that occur while the patient is being
individual	supported by another personnel (excluding the use of
	therapeutic equipment).
Fall unspecified	Any patient falls, unspecified type
11. Infrastructure/ building/ fixtures	
Non-existent/Inadequate	Structure, building or fixture does not exist or is
	inadequate.
Damaged/Faulty/Worn	Structure, building or fixture is faulty or is damaged or
	worn.
Structure or building issue not elsewhere	Structure, building or fixture issue not elsewhere
classified	classified.

# Appendix 4 – Contributing factors – Level 1

Term	Definition
1. Staff factors – behavioural, human	Events resulting from direct human involvement by a staff member.
action, individual	This involvement can include communication failures. It also
	includes action (or inaction) while performing a medical task,
	monitoring a patient's status, any delays in patient treatment or a
	misdiagnosis of a patient's health condition, including the severity
	of their condition and any medication-related errors.
2. Patient factors	Events that were affected by factors associated with the patient,
	including their pre-existing physical health, physical characteristics,
	ability to communicate or other patient-related factors.
3. Organisational/service factors	Organisational aspects that directly or indirectly influenced safety
	and quality of medical and nursing activities and their management
	(Itoh et al A human error taxonomy for analysing healthcare
	incident reports: assessing reporting culture and its effects on
	safety performance. Journal of Risk Research 2009, 12 (3-4), 485-
	511). These organisational aspects may include work practices,
	policies or guidelines, supervision, organisational culture, workforce
	and teamwork, workload and work pressure and other
	organisational factors.
4. Work environment factors	Events resulting from the location of the incident that could not
	have been changed by personnel at the time.
5. Other factors	Any other factor, not elsewhere identified.
8. Not relevant	Any incident where the contributing factors are not relevant.
9. Not known	Any incident where the contributing factors are not known.

# Appendix 5 – Contributing factors – Level 2

Term	Definition
1. Staff factors – behavioural, human	
action, individual	
1.1 Clinical process or procedure –	Procedures and processes relevant to clinical care. This includes
error or violation	types of measurements and tests used to evaluate a patient's
	condition.
1.2 Communication/	Poor or inadequate communication or miscommunication by care
miscommunication	providers contributed to the incident. This does not include clinical
	handovers (code to incident type 1.1 ). Inadequate communication
	could have been between care providers or between care
	provider(s) and the patient, family or carer.
1.3 Physical and psychological health	A pre-existing disease, disability, physical characteristic, or
, , , ,	impairment, including psychological health.
1.4 Training	Events resulting from poor, inadequate or a lack of training of a
J	member of the medical team. Training to include courses,
	workshops, seminars. For example, the person had not received
	training in mechanical ventilation of neonates.
1.5 Experience	Events that arose because of a lack of skill or competence to
•	perform the task (e.g. training received, but no experience in
	performing the task or not skilled in performing the task). This
	includes experience at the location – e.g. the person might be new
	to the hospital/ ward. For example, the person had received
	training in the mechanical ventilation of neonates, but had never
	performed the mechanical ventilation on a neonate.
1.6 Fatigue/ exhaustion	Events resulting from fatigue or exhaustion of the staff member.
1.7 Stress	Events resulting from the staff member experiencing stress.
1.8 Individual factors not elsewhere	Other individual factors not elsewhere classified.
classified	other marriada raccors not elsewhere diassined.
2. Patient factors	
2.1 Physical and psychological health	A pre-existing disease, disability, physical characteristic, or
or impairment (pre-existing)	impairment, including psychological health.
2.2 Communication issues	Poor communication by the patient contributed to the incident.
	This includes language barriers, where the patient does not speak
	English, or when the patient either unintentionally or intentionally
	does not disclose information to medical staff.
2.3 Patient not elsewhere classified	Other characteristics of the patient contributed to the incident not
2.5 Fatient not elsewhere elassinea	elsewhere classified.
3. Organisational service factors	
3.1 Work practices, protocols,	Events resulting from poor or inadequate work practices at facility,
policies or guidelines	which may or may not be governed by directives, policies or
I	guidelines. This excludes documentation issues, such as poor note
	taking in a medical record that should be classified as a
	documentation issue in incident type.
3.2 Supervision	Events resulting from poor, inadequate or an absence of
3.2 3apc. vision	supervision of a junior member of the medical team.
3.3 Organisational decisions/ culture	The way in which decisions are made in the organisation and the
5.5 Organisational decisions/ culture	culture (e.g., leadership, organisational values, systems) that
	influences behaviour. e.g. the culture was not to disturb the senior
	consultant with concerns regarding the patient's condition.
3.4 Workforce and teamwork	Events resulting from the lack of availability of senior staff, or senior
3.4 WOINIOICE AND LEANIWOIK	staff were not able to be contacted for advice, or staff resourcing
	was inadequate, or there was no identified lead clinician or the
	•
	health care provider roles were not clear or were inappropriate.

Term	Definition
3.5 Workload, work pressure or workflow	The workload was excessive or the work was being performed under tight time pressure or there were disruptions/distractions in the workflow or there was a lack of bed availability.
3.6 Organisational factors not elsewhere classified	Other organisational factors not elsewhere classified.
4. Work environment factors	
4.1 Light	Refers to either no, too little or too much illumination in the work environment.
4.2 Temperature	Refers to temperature of the work environment either being too hot or too cold. This does not refer to temperature of the patient.
4.3 Noise	Refers to noise levels in the work environment - either too noisy or quiet.
4.4 Physical layout	Refers to the physical layout of the work environment. Including placement and access of furniture, patients, equipment.
4.5 Security	Refers to incidents where there was a lack of security personnel that could have prevented the incident or the consequences of the incident.
4.6 Remote/long distance	Refers to incidents where the remoteness of the location or where there was a long distance to be travelled.
4.7 Work environment not elsewhere classified	Other factors related to the work environment not elsewhere classified.

# Appendix 6 – Contributing factors – Level 3

Term	Definition
1. Staff factors – behavioural, human	
action, individual	
1.1.1 Error – skill based	A failure in the execution of a well-rehearsed action or routine
	task that requires little conscious attention. e.g. Erroneously
	piercing organ during surgery.
1.1.2 Error – rule-based	A failure during activities conducted in familiar situations that
	are controlled by stored rules for coordination of sub-routines
	or sub-tasks. e.g. IF the symptoms are X THEN the problem is Y.
	IF the problem is Y THEN do Z (Rasmussen. Human errors: a
	taxonomy for describing human malfunction in industrial
	installations. Journal of Occupational Accidents. 1982 4, 311-
	333). This may involve the misapplication of a rule or
	application of the wrong rule. e.g. Did not provide pressure to
	stop bleeding; did not adequately perform a physical
	assessment.
1.1.3 Error – knowledge-based	A failure during a novel situation that requires conscious
	analytic processing and stored knowledge. No routines or rules
	were available for handling the situation. e.g. Infrequent or rare
4440010	surgery or exploratory surgery.
1.1.4 Violation	An intentional failure to follow accepted work practices,
	guidelines or procedures in execution of a task. Intent must be
	specifically stated to indicate a violation. e.g. Intentional
	decision not to follow clinical guidelines; intentional decision to
1.1.5 Bias or anchoring	ignore medication alert.  Being selective over the types of information that are used to
1.1.3 bias of afferioring	diagnosis what might be wrong with a patient. For example,
	bias that kidney and liver disorders in certain populations are
	always due to excessive alcohol consumption, so other risk
	factors for the health condition are not considered. Anchoring
	on a particular viewpoint without considering all options. e.g.
	Anchoring on a diagnosis, without taking into account other
	diagnoses or only seeking information that confirms one's
	existing expectations. Information that contradicts these
	expectations may be ignored or considered unimportant.
1.1.6 Error, violation or bias – type not	The type of error, violation or bias not able to be ascertained.
able to be determined	The error is either a skill, rule or knowledge-based error or
	could be due to bias or a violation, but it is difficult to
	determine, due to the lack of information available.
1.2.1 Inadequate between care providers	Inadequate communication between care providers. This does
<ul><li>not handover</li></ul>	not include clinical handovers. Clinical handovers to be
	classified as an 'Incident type'.
1.2.2 Inadequate to patient/family/carer	Inadequate communication between the care provider and the
	patient and/or the family/carer.
1.3.1 Physical disease or impairment	The staff member had a pre-existing disease, physical
	characteristic or impairment that played a part in the course of
	events that resulted in the adverse incident.
1.3.2 Psychological health or addition	The staff member had a psychological disturbance or addiction
	that played a part in the course of events that resulted in the
	adverse incident. e.g. substance use addiction.
2. Patient factors	
2.1.1 Physical disease or impairment	The patient had a pre-existing disease, physical characteristic or
	impairment that played a part in the course of events that
	resulted in the adverse incident. e.g. the patient had

Term	Definition
	pycnodysostosis and airway abnormalities that meant the
	patient needed close monitoring after general anaesthetic
	following surgery; the patient had motor-neurone disease that
	affected movement; amputation; cerebral palsy; cognitive
	impairment e.g. dementia; vision or hearing impairment
2.1.2 Physical characteristic	Physical characteristics of the patient contributed to the
	incident. e.g. height; weight; c-section (trial of scar)
2.1.3 Intellectual disability	The patient had an intellectual disability that played a part in
	the course of events that resulted in the adverse incident.
2.1.4 Psychological health	The patient had a psychological disturbance that played a part
	in the course of events that resulted in the adverse incident.
	e.g. Patient was depressed and attempted to commit suicide.
2.1.5 Physical health not elsewhere	The patient had another pre-existing physical health condition
classified	that played a part in the course of events that resulted in the
	adverse incident. e.g. Premature baby with no specified
	physical disability. If a specific disease or disability is mentioned
	this should be coded as 'Pre-existing disease or physical
	disability'.
2.2.1 Language barrier	The patient does not speak English and an interpreter was not
	used.
2.2.2 Not disclosing information -	The patient unintentionally did not disclose information to the
unintentional	medical staff.
2.2.3 Not disclosing information -	The patient intentionally did not disclose information to the
intentional	medical staff. e.g. amount of alcohol intake.
3. Organisational service factors	
3.1.1 Work practices, but no	A practice of work exists, but no policy directive, protocol or
policy/guidelines/protocol	guidelines exist.
3.1.2 Policy/guidelines exist, but are	Events resulting from individuals following policy directives,
unclear/ inconsistent/ inadequate	protocols or guidelines that were in place that were
	subsequently found to be inadequate, inconsistent or unclear.
3.1.3 Policy/guidelines exist, but are not	Policy directives, protocols or guidelines exist, but these are not
followed	followed by the individual. This could also indicate a possible
	violation, if the policy/guidelines were intentionally not
	followed.
3.1.4 Policy/guidelines not elsewhere	Other issues with policies or guidelines not elsewhere classified.
classified	
3.4.1 Availability of senior staff	Senior staff were not available or able to be contacted when
	staff needed to communicate or seek advice e.g. Consultant on-
	call not answering their phone/page; senior staff attending a
	meeting/ conference.
3.4.2 Staff rostering/ staff numbers/ staff	Staff resourcing was inadequate, either too few staff members
skill mix	on a shift or not enough experienced staff on a shift.
3.4.3 No identified lead clinician	There was no evidence of a senior lead clinician overseeing the
	patient's care.
3.4.4 Team roles unclear or	Care responsibility tasks were not clearly defined, not
inappropriate	coordinated and/or were inappropriate.
3.5.1 Workload or work pressure	Work that was being performed under unusual time pressure or
	haste (Hobbs & Williamson. Associations between errors and
	contributing factors in aircraft maintenance. Human Factors.
	2003 45 (2), 186-201)
3.5.2 Disruption in workflow	Disruption, interruption or distractions in workflow or
	workload, where an individual is taken away from their primary
	task. e.g. health care worker interrupted while dispensing
	medications and this leads to a medication error.

Term	Definition
3.5.3 Bed availability	There was no hospital bed available in the location requested
	e.g. no bed available in the orthopaedic ward, so patient placed
	in a general ward.
4. Work environment factors	
4.1.1 No or too little light	There was no or too little light to be able to see properly to
	conduct the task. e.g. too little light in the operating room.
4.1.2 Too much light/glare	There was too much light/ glare to conduct the task.
4.1.3 Light not elsewhere classified	There was an issue with lighting not elsewhere able to be
	classified.
4.2.1 Too hot	The temperature of the work environment was too hot.
4.2.2 Too cold	The temperature of the work environment was too cold.
4.2.3 Temperature not elsewhere	There was an issue with the temperature of the work
classified	environment not elsewhere classified.
4.3.1 Too noisy	There was a high noise level in the work environment that
	contributed to the event.
4.3.2 Too quiet	There was little to no noise in the work environment that
	contributed to the event.
4.3.3 Noise not elsewhere classified	There was an issue with noise in the work environment not
	elsewhere classified.
4.4.1 Isolation	Isolation contributed to the incident occurring. e.g. the patient
	was in an isolation location away from the nurse's station.
4.4.2 Poor access	There was poor physical access that contributed to the incident
	occurring. e.g. there were accessibility issues for the patient to
	access the bathroom.
4.4.3 Physical layout not elsewhere	There was an issue with the physical layout not elsewhere
classified	classified.