

Gold Standard for IDB-MDS case scenarios

Please note that the 'IDB Coding Manual Data Dictionary version 1.1 june 2005' and 'Chapter 7 (Dataset comparability and bridging tables) of the JAMIE Data Quality Manual were used

Scenario 1¹

A teenager fainted at a general practitioner's rooms following a vaccination injection, fell and suffered a suspected internal head injury.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Accidental; FDS: 1 unintentional
Activity when injured	8	MDS: Other; FDS: 7.1 being taken care of by health care professional
Location	8	MDS: Other; FDS: 3 medical service area
Mechanism of injury	2	MDS: fall; FDS: 1.5 falling
General comment: Include as a case because the injury and not the medical condition is the (main) reason for treatment. The fall is the 'uncontrolled energy' that triggered the incident.		

Scenario 2

A part time guide dog trainer fell to the ground in her backyard, while feeding the dog she was training, after she was knocked over by the playful dog. Suspected fracture of the wrist and knee abrasions		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Accidental; FDS 1 unintentional
Activity when injured	1	MDS: Paid work; FDS 1.8 other specified paid work
Location	3	MDS: Home; FDS: 1 Home
Mechanism of injury	8	MDS: other; FDS: 1.2 Contact with animal
General comment: Code the underlying mechanism of injury (what kind of uncontrolled energy has triggered the incident?) as is stated in the Guide for use for Mechanism of injury.		

¹ A selection of the ICECI 'Gold standard' for case scenarios (Version MS4, 26/08/99) were used for this Gold standard.

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Scenario 3

A student intentionally cut his own wrist with a knife in the schoolyard.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	2	MDS: Deliberate self-harm; FDS: 2 intentional self-harm
Activity when injured	9	MDS: Unknown; FDS: 98.2 other specified activity, see inclusions
Location	2	MDS: Educational establishment; FDS: 4.10 school
Mechanism of injury	3	MDS: Cut/pierce; FDS: 2.1 cutting
General comment: Location includes attached grounds, outbuildings etc. School includes schoolyard.		

Scenario 4

A 14-year old girl injected herself with her mother's heroin at home following a fight with her boyfriend. Her mother found her unconscious some time later and phoned the emergency number.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	2	MDS: deliberate self-harm FDS: 2: intentional self harm
Activity when injured	8	MDS: Other; FDS: 98.2 other specified, see inclusions
Location	3	MDS: Home; FDS 1 home
Mechanism of injury	4	MDS: Poisoning; FDS; 6.12 poisoning liquid substance
General comment: During the ED attendance of the patient it is important to find out the intent of the event, although this may be difficult. Code as deliberate self-harm(MDS)/intentional (FDS) if there is some indication for deliberate self-harm from the patient. If there is no indication at all for self-harm then intent is accidental (MDS)/unintentional (FDS). If there is no information about the incident at all, then intent is unknown (MDS)/ unspecified (FDS).		

Scenario 5

A male was involved in a fight. During the fight, he was pushed and bumped his head on the cement. Contusion to scalp and persisting headaches.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	3	MDS: Assault; FDS: 3 assault
Activity when injured	8	MDS: Other; FDS: 98.2 other specified activity
Location	9	MDS: Unknown; FDS: 99 unspecified
Mechanism of injury	2	MDS: Fall; FDS: 1.53 other falling/stumbling/pushed on same level
General comment: Activities during violence/intentional self-harm are included in 'other specified activity'. Being pushed by a person is excluded from 'contact with person' and included in 'falling, stumbling, jumping, pushed'.		

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Scenario 6

A 10-month old child was playing on the floor and sustained burns to the chest after pulling a cup of tea off the table at home.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS 1 unintentional
Activity when injured	8	MDS: Other; FDS: 5.2 play
Location	3	MDS: Home; FDS 1 home
Mechanism of injury	5	MDS: Burn/scald; FDS: 4.11 contact with hot liquid
General comment:		

Scenario 7

A patient fell backwards out of a wheelchair at home and hit the floor. She stated that her husband abused her and that she wanted to kill herself. Contusion to lower back and referred for psychiatric treatment.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	2	MDS: Deliberate self-harm; FDS: 2 intentional self harm
Activity when injured	8	MDS: Other; FDS: 98.2 other specified activity, see inclusions
Location	3	MDS: Home; FDS 1 home
Mechanism of injury	2	MDS: Fall; FDS: 1.54 fall from height less than 1 meter
General comment: Code as deliberate self-harm(MDS)/intentional (FDS) if there is some indication for deliberate self-harm from the patient.		

Scenario 8

A 2-year old child was playing with other children at a day care centre when another child pushed a small piece of a toy into the child's ear.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS: 1 unintentional
Activity when injured	8	MDS: Other; FDS: 5.2 play
Location	2	MDS: Educational establishment; FDS: 4.20 day care
Mechanism of injury	8	MDS: Other; FDS: 98.1 contact with foreign body
General comment: Consider injuries to children under age of five years, who harm themselves or others, to be unintentional.		

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Scenario 9

A 19-year old male was injured in a park during a brawl involving members of a gang. He was stabbed with a knife in the chest.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	3	MDS: Assault; FDS: 3 assault
Activity when injured	8	MDS: Other; FDS: 98.2 other specified activity, see inclusions
Location	8	MDS: Other; FDS: 10.30 public park
Mechanism of injury	3	MDS: Cut/pierce; FDS: 2.2 puncturing, stabbing
General comment:		

Scenario 10

A teenager, while horse riding during school camp in the mountains, fell off the horse. Suspected spinal cord injury.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS 1 unintentional
Activity when injured	2	MDS: Sports; FDS: 3.1 physical education class, school sports
Location	8	MDS: other FDS: 12.98 other specified countryside
Mechanism of injury	2	MDS: Fall; FDS: 1.55 falling from height 1 meter or more
General comment: Although it is a school related activity, the specified location (mountains) is not under 'school authority'. Therefore not coded as educational area (2 MDS/4.98 FDS).		

Scenario 11

A high school student was performing a high jump in the sports class when he hit a bar and landed on the mat, elbow first. Fracture of elbow.		
<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS 1 unintentional
Activity when injured	2	MDS: Sports; FDS: 3.1 physical education class, school sports
Location	2	MDS: Educational establishment; FDS: 4.30 sports area at school
Mechanism of injury	2	MDS: Fall; FDS: 1.55 falling/stumbling/jumping/pushed from a height 1 meter or more
General comment:		

Scenario 12

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A 17-year old high school student was competing in a mountain bike competition on the weekend, fell off the bike while going down a steep hill. He was wearing a helmet but was unconscious.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS 1 unintentional
Activity when injured	2	MDS: Sports; FDS: 4.1 organised sports
Location	8	MDS: Other; FDS: 12.99 unspecified countryside
Mechanism of injury	2	MDS: Fall; FDS: 1.55 falling/stumbling/jumping/pushed from a height 1 meter or more

General comment: Location is not a public road, therefore it is not a road traffic injury.

Scenario 13

A 21-year old woman was driving on the highway. She was passing a car, over-corrected when moving to the side, and went into a ditch landing upside down. Superficial injuries to face and chest.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS: 1 unintentional
Activity when injured	8	MDS: Other; FDS: 8 Travelling
Location	1	MDS: Road; FDS: 6.10 roadway
Mechanism of injury	1	MDS: Road traffic injury; FDS: 1.22 contact with static object

General comment: For location: select the location where things started to go wrong.

Scenario 14

A tourist tripped, fell and sustained an ankle injury while bush walking in a national park.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS: 1 unintentional
Activity when injured	8	MDS: Other; FDS: 5.1 leisure
Location	8	MDS: Other; FDS: 12.99 unspecified countryside
Mechanism of injury	2	MDS: Fall; FDS: falling/stumbling same height

General comment: Sports and exercise during leisure time refers to physical activities with a described functional purpose e.g. competition, practising for competition or improving physical health. A bush walking tourist does not fit this description. Therefore, the activity is Leisure and not Sports.

Scenario 15

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A 14-year old boy was go-kart racing at a racetrack during formal competition. His kart spun out of control and he crashed into bales of hay. Superficial injuries to chest and lower back.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS: 1 unintentional
Activity when injured	2	MDS: Sports; FDS: 4.1 organised sports
Location	8	MDS: Other; FDS: 5.40 racetrack
Mechanism of injury	8	MDS: Other; FDS: 1.22 contact with static object

General comment: Location is not a public road; therefore it is not a road traffic injury.

Scenario 16

A 22-year old recruit was engaged in a military exercise in an open field. While being chased by the 'enemy' she fell to the ground and fractured her elbow.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS: 1 unintentional
Activity when injured	1	MDS: Paid work; FDS: 1 paid work
Location	8	MDS: Other; FDS: 12.98 other specified countryside
Mechanism of injury	2	MDS: Fall; FDS: 1.51 falling/stumbling/tripping on same level

General comment: Military service is included in paid work.

Scenario 17

The patient was assaulted by the police, who hit him with clubs. This was during a political demonstration, when people marched through the streets. Head swelling, contusion to neck and abrasions.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	3	Assault; FDS: 4 other violence
Activity when injured	8	Other; FDS: 98.2 other specified activity, see inclusions
Location	1	Road; FDS: 6.10 roadway
Mechanism of injury	8	Other; FDS: 1.21 contact with moving object

General comment: Injuries inflicted by law enforcement agent during legal action are included in other violence (FDS)/assault (MDS).

Scenario 18

A man entered a train completely drunk. When he walked towards a vacant seat, the train started to

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move. Because of that and his uncontrolled movements, he hit his head against the train door, causing head injury.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	1	MDS: Unintentional; FDS: 1 unintentional
Activity when injured	8	MDS: Other; FDS: 8 travelling
Location	8	MDS: Other; FDS: 7.98 other specified transport area
Mechanism of injury	8	MDS: Other; FDS: 1.21 contact with moving object

General comment: Transport injury events also include injury from being thrown against some part of a vehicle in motion. A *train* is a land transport vehicle. It is considered driving on a railway line. This is not a public highway, but an 'other specified transport area'. Therefore this is **not** a road traffic injury. If the incident occurred in a bus/trolley/tram, driving on the public highway, this would be a road traffic injury.

Scenario 19

A security officer followed a suspected shoplifter outside on the sidewalk. The suspect turned around and threw a one-kilo box of sugar at the officer. Neck injury.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	3	MDS: Assault; FDS: 3 assault
Activity when injured	1	MDS: Paid work; FDS: 1 paid work
Location	1	MDS: Road; FDS: 6.20 sidewalk
Mechanism of injury	8	MDS: Other; FDS: 1.23 struck by thrown or falling object

General comment: Travelling in the course of paid work is included in paid work.

Scenario 20

An 8-year old boy was walking through the schoolyard on his way home. He was picked up by an older boy and dropped on his head. Minor head injury.

<i>Data element</i>	<i>Code</i>	<i>Comments/Notes/Suggestions</i>
Intent	3	MDS: Assault; FDS: 3 assault
Activity when injured	8	MDS: Other; FDS: 8 travelling
Location	2	MDS: Educational establishment; FDS: 4.10 school
Mechanism of injury	2	MDS: Fall; FDS: 1.54 falling less than 1 meter

General comment: Location includes attached grounds, outbuildings etc. School includes schoolyard. Falling includes falling while being carried (i.e. being dropped)