



## **Observatory of Accidents and External Injuries in the Northern Region of the Mexican Border in two cities with priority indices in accidents.**

With the purpose of giving continuity to the Observatory of Accidents and External Injuries in the Northern Region of the Mexican Border, the Bi-national Thematic Network in Border Health developed the concept document as a first step. This next stage worked in the identification of information components that must be part of the Observatory. To do that, a review of the different available observatories was conducted for starters. This review allowed to define that, in the case of the Observatory of Accidents and External Injuries in the Northern Region of the Mexican Border, the information that is considered should be included in a Bank of information statistics on accidents and external injuries, as well as a repository of academic products focused on the topic.

Regarding the statistical information bank on external accidents and injuries, it is important to note that: Although the Binational Thematic Network on Border Health proposed the goal of having the observatory of accidents and external injuries for a Mexican border city, the availability of information in Mexico allows elaboration and / or gathering indicators at national, state and municipal level, but not necessarily at city level. So the proposed indicators have a geographical reference for national and State levels, while at the municipal level indicators refer to Tijuana, Low California and Juarez, Chihuahua because they are the municipalities with the largest population in the border region and are the ones that concentrate a significant proportion of deaths related to accidents and external injuries. Likewise, it should be noted that indicators are proposed for 2005, 2010-2015 in the case of mortality caused by accidents and external injuries, while in the case of the indicators concerning the number of accidents and their victims the time reference is for the 1997-2015 period.

The list of these indicators, as well as its geographical and temporal, reference is detailed in table P9.1 of this document.

**Table P9.1 list of accidents and external injuries indicators proposed for the Observatory**

Indicator Geographical reference Time reference.

1. Number of deaths recorded by National accidents and external injuries, State municipal 2005, 2010 and 2015.
2. Percentage that represents the number of deaths from accidents and external injuries, regarding to the total national deaths, State, municipal 2005, 2010 and 2015.
3. Number of deaths recorded by National accidents and external injuries, because of specific national, State, municipal 2005, 2010 and 2015.
4. Percentage of deaths due to specific cause, regarding the Total deaths from accidents and external injuries National, State, municipal 2005, 2005, 2010 and 2015.
5. Number of accidents of road traffic in urban and suburban national, State, municipal 1997-2005
6. Number of people injured in road traffic accidents in urban and suburban areas Nacional, State, municipal 1997-2005.
7. Number of accidents of road traffic in urban and suburban national, State, municipal 1997-2005

In this sense, it is important to note that: The definition of the mortality indicators for accidents and external injuries was based on Chapter XX of the tenth revision of the International Classification of Diseases(ICD) called "External causes of morbidity and mortality". In the annex to this document the causes listed in this chapter are presented in detail. Similarly, it should be noted that the entity and the municipality of registration of death as criterion for the geographical reference of the mortality indicators was considered.

Regarding the repository of academic products focused on the subject of accidents and injuries in the Northern Region of the Mexican Border, an exploration took place in the major academic databases in order to identify related articles with the theme of accident and injury external and focused in the border region of Northern Mexico.

#### Annexed Information

International Classification of Diseases tenth revision. Chapter XX

List of categories (3 characters) included.

Chapter XX External causes of morbidity and mortality

(V01-Y98) Transport accidents (V01-V99)

#### **Pedestrian injured in crash of transport (V01-V09)**

V01 Injured Pedestrian with Pedal Vehicle

V02 pedestrian injured by collision with motor vehicle of two or three-wheel

V03 pedestrian injured by collision with automobile, truck or van

V02 pedestrian injured by collision with motor vehicle of two or three-wheel heavy vehicle or bus

V03 pedestrian injured by collision with with train or track vehicle Pedestrian injured by collision with other vehicles without motor

V09 Pedestrian injured in other transport accidents, and in the unspecified

#### **Pedestrian injured in crash of transport (V01-V09)**

V02 pedestrian injured by collision with pedestrian or animal

V11 Cyclist injured by collision with another cyclist

V12 Cyclist injured by collision with two or three-wheel motor vehicle

V13 Cyclist injured by collision with car, truck or van

V14 Cyclist injured by collision with heavy vehicle or bus

V15 Cyclist injured by collision with train or rail vehicle

## **Pedestrian injured by collision with other vehicles without motor**

V09 cyclist injured in other transport accidents, and in the unspecified motorcyclist injured in transport accident (V20-V29)

V20 motorcyclist injured by collision with pedestrian or animal

V21 Biker injured by collision with pedal vehicle

V22 motorcyclist injured by collision with two or three-wheel motor vehicle

V13 motorcyclist injured by collision with car, truck or van

V14 motorcyclist injured by collision with heavy vehicle or bus

V15 motorcyclist injured by collision with train or rail vehicle

V14 motorcyclist injured by collision with other non-motorized vehicles

V15 motorcyclist injured by collision with fixed or parked object V28 Biker injured in collision

V09 motorcyclist injured in other transport accidents, and in the unspecified

## **Occupant of three-wheel motor vehicle injured in transport accident (V30-V39)**

V30 Occupant of three-wheeled motor vehicle injured by collision with pedestrian or animal

V31 Occupant of three-wheel motor vehicle injured by collision with vehicle pedal

V32 Occupant of three-wheel motor vehicle injured by collision with another vehicle two- or three-wheel motor

V33 Occupant of vehicle three-wheeled motor vehicle injured by collision with car, truck or van

V34 Occupant of three-wheel motor vehicle injured by collision with heavy bus or vehicle

V35 Occupant of three-wheel motor vehicle injured by collision with train or rail vehicle

V36 Occupant of three-wheeled motor vehicle injured by collision with others vehicle Without motor

V37 Occupant of motor vehicle of three wheels injured by collision with fixed object or Parked

V38 Occupant of three-wheel motor vehicle injured in transport accident without collision

V39 Occupant of motor vehicle of three wheels injured in other accidents of transportation and in the unspecified

### **Car occupant injured in transport accident (V40-V49)**

V40 Vehicle occupant injured by collision with pedestrian or animal

V41 Vehicle occupant injured by collision with pedal vehicle

V42 Automobile occupant injured by collision with motor vehicle of two or three wheels

V43 Automobile occupant injured by collision with another car, truck or van

V44 Vehicle occupant injured by collision with heavy transport vehicle or bus

V45 Occupant injured in collision with train or rail vehicle. Occupant injured in collision with other vehicles without motor

V47 Motor vehicle occupant injured by collision with fixed object Or parked

V48 Automobile occupant injured in collision-free transport accident

V49 Car occupant injured in other transport accidents, And in the specified

### **Occupant of truck or van injured in transport accident (V50-V59)**

V50 Bus or truck occupant injured by collision with pedestrian or animal

V51 Bus or truck occupant injured by collision with pedal vehicle

V52 Occupant of van or van injured by collision with motor vehicle of two or three wheels

V53 Occupant of truck or van injured by collision with car, truck or van

V54 Bus or truck occupant injured by collision with heavy transport vehicle or bus

V55 Bus or truck occupant injured by collision with train or rail vehicle

V56 Bus or truck occupant injured by collision with other vehicles without motor

### **Occupant of truck or van injured in transport accident (V50-V59)**

V50 Bus or truck occupant injured by collision with pedestrian or animal

V51 Bus or truck occupant injured by collision with pedal vehicle and in the unspecified

### **Occupant of heavy transport vehicle injured in transport accident (V60-V69)**

V60 Heavy vehicle. Vehicle occupant injured by collision with pedestrian or animal

V61 Occupant of heavy transport vehicle injured by collision with vehicle of pedal

V62 Occupant of heavy transport vehicle injured by collision with vehicle of Two- or three-wheel motor

V63 Occupant of heavy transport vehicle injured by collision with car, truck or van

V64 Occupant of heavy transport vehicle injured by collision with another vehicle heavy transport or bus

V65 Occupant of heavy transport vehicle injured by collision with train or rail vehicle

V66 Heavy vehicle vehicle occupant injured by collision with other vehicle without motor

V67 Occupant of heavy transport vehicle injured by collision with fixed object or parked

V68 Occupant of heavy transport vehicle injured in transport accident without collision

V69 Occupant of heavy transport vehicle injured in other traffic accidents of transportation and in the unspecified

### **Bus occupant injured in transport accident (V70-V79)**

V70 Bus occupant injured by collision with pedestrian or animal

V71 Bus occupant injured by collision with pedal vehicle

V72 Bus occupant injured by collision with two- or three-wheel motor vehicle

V73 Bus occupant injured by collision with car, bus or van

V74 Bus occupant injured by collision with heavy transport vehicle or bus

V75 Bus occupant injured by collision with train or rail vehicle

V76 Bus occupant injured by collision with other vehicles without motor

V77 Bus occupant injured by collision with fixed object or parked

V78 Bus occupant injured in collision-free transport accident

V79 Bus occupant injured in other transport accidents, and in the specified

### **Other land transport accidents (V80-V89)**

V80 Rider or rail vehicle occupant injured in transport accident

V81 Rider or rail vehicle occupant injured in transport accident

V82 Bus occupant injured in transport accidents

V83 Occupant of special (motor) vehicle for use mainly in plants. Injured in transport accident

V84 Occupant of special vehicle (motor) for use mainly in agriculture injured in transport accident

V85 Occupant of special vehicle (motor) for construction injured in transport accident

V86 Occupant of special off-road vehicle or other off-road vehicle injured in transport accident

V87 Transit accident of specified type, but where the mode of transport of the victim is unknown

V88 Non-transit accident of specified type, but where the mode of transport of the victim is unknown

V89 Engine or motor vehicle accident, unspecified type of vehicle Water transport accidents (V90-V94)

V90 Boat accident causing drowning and submersion

V91 Boat accident causing other types of trauma

V92 Drowning and submersion related to water transport, without accident to the boat

V93 Accident in a boat, without accident to the boat, that does not cause drowning or submersion

V94 Other water transport accidents, and unspecified

#### **Accidents in air and space transport (V95-V97)**

V95 Motor aircraft accident, with occupant injured

V96 Aircraft accident without motor, with occupant injured

V97 Other specified air transport accidents

#### **Other transport accidents, and unspecified (V98-V99)**

V98 Other specified transport accidents

V99 Accident not specified

Other external causes of accidental injuries (W00-X59) Falls (W00-W19)

W00 Fall on the same level due to ice or snow

W01 Fall at the same level by slip, trip and stumble

W02 Drop by ice skates, skis, roller skates or skateboard

W03 Other falls at the same level by collision with or by pushing another person

W04 Falling when being moved or supported by other people

W05 Fall involving wheelchair W06 Fall involving bed

W07 Fall involving chair

W08 Fall involving another piece of furniture

W09 Fall involving equipment for children's games

W10 Fall on or from ladder and steps

W11 Fall on or from ladders W12 Fall on or from scaffold

W13 Fall from, outside or through a building or other construction

W14 Fall from a tree

W15 Fall from the rock

W16 Jumping or diving into the water causing another trauma without submersion or drowning

W17 Other falls from one level to another

W18 Other falls at the same level W19 Unspecified fall

### **Exposure to inanimate mechanical forces (W20-W49)**

W20 Strike by throwing, projecting or falling object

W21 Striking against or struck by sports equipment

W22 Striking or struck by other objects

W23 Caught, crushed, pinched or pinched in or between objects

W24 Traumatic contact with lifting and transmission devices, not elsewhere classified

W25 Traumatic contact with cutting glass

W26 Traumatic contact with knife, sword, dagger or dagger

W27 Traumatic contact with hand tools without motor

W28 Traumatic contact with lawn mower, with motor

W29 Traumatic contact with other hand tools and appliances, with motor

W30 Traumatic contact with agricultural machinery

W31 Traumatic contact with other machines, unspecified

W32 Short-range firing

W33 Shotgun rifle, shotgun and long gun

W34 Shooting of other and unspecified firearms

W35 Explosion and boiler failure

W36 Explosion and rupture of cylinder with gas

W37 Explosion and rupture of pressurized rubber tire, tube or hose

W38 Explosion and breakage of other specified pressurized devices

W39 Explosion of fireworks

W40 Explosion of other materials

W41 High pressure jet exposure

W42 Exposure to noise



W43 Exposure to vibration

W44 Foreign body piercing through the skin

W49 Exposure to other inanimate mechanical forces and unspecified

#### **Exposure to animate mechanical forces (W50-W64)**

W50 Shock, hit, bite, kick, scratch or sprain inflicted by another person

W51 Shock or push against another person

W52 Person crushed, pushed or trampled by a human crowd or stampede

W53 Rat bite

W54 Dog Bite or Attack

W55 Bite or attack of other mammals

W56 Traumatic contact with marine animals

W57 Bite or sting of insects and other non-venomous arthropods

W58 Crocodile or alligator bite or attack

W59 Biting or crushing by other reptiles

W60 Traumatic contact with prickles, thorns or cutting blades of plants

W64 Exposure to other mechanical forces, unspecified

#### **Accidental Drowning and Submersion (W65-W74)**

W65 Drowning and submersion while in bathtub

W66 Drowning and submersion following fall in bathtub

W67 Drowning and submersion while in a pool

W68 Drowning and submersion following a fall in a pool

W69 Drowning and submersion while in natural waters

W70 Drowning and submersion after falling in natural waters

W73 Other drownings and submersions specified

W74 Unspecified drowning and submersion

#### **Other Accidents That Obstruct Breathing (W75-W84)**

W75 Suffocation and accidental strangulation in bed

W76 Other accidental strangulations and hangings

W77 Obstruction of breathing due to sinking, falling earth or other substances

W78 Inhalation of gastric contents  
W79 Inhalation and ingestion of food that causes airway obstruction  
W80 Inhalation and ingestion of other objects that cause airway obstruction  
W81 Confined or trapped in a low oxygen environment  
W83 Other specified breath obstructions  
W84 Unspecified obstruction of breathing

**Exposure to extreme electrical current, radiation and temperature, and ambient air pressure (W85-W99)**

W85 Exposure to electric transmission lines  
W86 Exposure to other specified electrical currents  
W87 Exposure to unspecified electrical current  
W88 Exposure to ionizing radiation  
W89 Exposure to visible and ultraviolet light source, of artificial origin  
W90 Exposure to other types of non-ionizing radiation  
W91 Exposure to radiation of unspecified type  
W92 Exposure to excessive heat of artificial origin  
W93 Exposure to excessive cold of artificial origin  
W94 Exposure to high and low air pressure and changes in air pressure  
W99 Exposure to other and unspecified environmental factors of artificial origin

**Exposition to smoke, fire and flames (X00-X09)**

X00 Exposure to uncontrolled fire in building or other construction  
X01 Exposure to uncontrolled fire instead of building or other construction  
X02 Exposure to controlled fire in a building or other construction  
X03 Exposure to controlled fire in place other than building or other construction  
X04 Exposure to ignition of highly flammable material  
W75 Accidental suffocation and strangulation in bed  
W76 Other accidental hanging and strangulation  
W77 Threat to breathing due to cave-in, landslide and other substances  
W78 Inhalation of gastric contents  
W79 Inhalation and ingestion of food causing obstruction of respiratory tract  
W80 Inhalation and ingestion of other objects causing obstruction of respiratory tract

W81 Confined or trapped in a low oxygen environment

W83 Other specified threats to breathing

W84 Unspecified threat to breathing

**Exposure to the electric current, radiation and temperature, and extreme ambient air pressure (W85 –W99)**

W85 Exposure to electric transmission lines

W86 Exposure to other specified electric current

W87 Exposure to unspecified electric current

W88 Exposure to ionizing radiation

W89 Exposure to man-made visible and ultraviolet light

W90 Exposure to other types of non-ionizing radiation

W91 Exposure to unspecified type of radiation

W92 Exposure to excessive heat of man-made origin

W93 Exposure to excessive cold of man-made origin

W94 Exposure to high and low air pressure and changes in air pressure

W99 Exposure to other and unspecified man-made environmental factors

**Exposure to smoke, fire and flames (X00 –X09)**

X00 Exposure to uncontrolled fire in a building or other structure

X01 Exposure to uncontrolled fire, not in building or other structure

X02 Exposure to controlled fire in a building or other structure

X03 Exposure to controlled fire, not in building or other structure

X04 Exposure to ignition of highly flammable material

X05 Exposure to ignition or melting of sleepwear

X06 Exposure to ignition or melting of other clothes and accessories

X08 Exposure to other specified smoke, fire or flames

X09 Exposure to unspecified smoke, fire or flames

**Contact with heat and other hot substances (X10 –X19)**

X10 Contact with hot drinks, foods, fats and cooking oils

X11 Contact with hot tap water

- X12 Contact with other hot liquids
- X13 Contact with steam and other hot vapors
- X14 Contact with hot air and gases
- X15 Contact with hot household appliances
- X16 Contact with hot radiators, pipes, and heating appliances
- X17 Contact with hot machinery, engines and tools
- X18 Contact with other hot metals
- X19 Contact with other and unspecified hot substances

**Contact with poisonous animals and plants (X20 – X29)**

- X20 Contact with venomous snakes and lizards
- X21 Contact with venomous spiders
- X22 Contact with scorpions
- X23 Contact with hornets, wasps and bees
- X24 Contact with venomous centipedes and millipedes (tropical)
- X25 Contact with other specified venomous arthropods
- X26 Contact with venomous marine animals and plants
- X27 Contact with other specified venomous animals
- X28 Contact with other specified venomous plants
- X29 Contact with unspecified venomous animal or plant

**Exposure to forces of nature (X30-X39)**

- X30 Exposure to excessive natural heat
- X31 Exposure to excessive natural cold
- X32 Exposure to sunlight
- X33 Victim of lightning
- X34 Victim of earthquake
- X35 Victim of volcanic eruption
- X36 Victim of avalanche, landslide and other earth movements
- X37 Victim of cataclysmic storm
- X38 Victim of flood
- X39 Exposition to other and unspecified forces of nature

### **Accidental poisoning by and exposure to noxious substances (X40-X49)**

X40 Accidental poisoning by and exposure to non-opioid analgesics, antipyretics and anti-rheumatics

X41 Accidental poisoning by and exposure to antiepileptic, sedative, hypnotic, antiparkinsonism, and psychotropic drugs, not elsewhere classified

X42 Accidental poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified

X43 Accidental poisoning by and exposure to other drugs acting on the autonomic nervous system

X44 Accidental poisoning by and exposure to other and unspecified drugs, medicaments and biological substances

X45 Accidental poisoning by and exposure to alcohol

X46 Accidental poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapors

X47 Accidental poisoning by and exposure to other gases and vapors

X48 Accidental poisoning by and exposure to pesticides

X49 Accidental poisoning by and exposure to other and unspecified chemicals and noxious substances

### **Overexertion, travels and privation (X50-X57)**

X50 Overexertion and exhausting or repetitive movements

X51 Travel and motion

X52 Prolonged stay in weightless environment

X53 Lack of food

X54 Lack of water

X57 Unspecified privations

### **Accidental exposure to other and unspecified factors (X58-X59)**

X58 Exposure to other specified factors

X59 Exposure to unspecified factors

## **Intentional self-harm (X60-X85)**

X60 Intentional self-poisoning by and exposure to non-opioid analgesics, antipyretics and anti-rheumatics

X61 Intentional self-poisoning by and exposure to antiepileptic, sedative, hypnotic, antiparkinsonism, and psychotropic drugs, not elsewhere classified

X62 Intentional self-poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified

X63 Intentional self-poisoning by and exposure to other drugs acting on the autonomic nervous system

X64 Intentional self-poisoning by and exposure to other and unspecified drugs, medicaments and biological substances

X65 Intentional self-poisoning by and exposure to alcohol

X66 Intentional self-poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapors

X67 Intentional self-poisoning by and exposure to other gases and vapors

X68 Intentional self-poisoning by and exposure to pesticides

X69 Intentional self-poisoning by and exposure to other and unspecified chemicals and noxious substances

X70 Intentional self-harm by hanging, strangulation and suffocation

X71 Intentional self-harm by drowning and submersion

X72 Intentional self-harm by handgun discharge

X73 Intentional self-harm by rifle, shotgun and larger firearm discharge

X74 Intentional self-harm by other and unspecified firearm discharge

X75 Intentional self-harm by explosive material

X76 Intentional self-harm by smoke, fire and flames

X77 Intentional self-harm by steam, hot vapors and hot objects

X78 Intentional self-harm by sharp object

X79 Intentional self-harm by blunt object

X80 Intentional self-harm by jumping from a high place

X81 Intentional self-harm by jumping or lying before moving object

X82 Intentional self-harm by crashing of motor vehicle

X83 Intentional self-harm by other specified means

X84 Intentional self-harm by other unspecified means

## **Assault (X85-Y09)**

X85 Assault by drugs, medicaments, and biological substances

X86 Assault by corrosive substance

X87 Assault by pesticides

X88 Assault by gases and vapors

X89 Assault by other specified chemicals and noxious substances

X90 Assault by unspecified chemicals and substances

X91 Assault by hanging, strangulation and suffocation

X92 Assault by drowning and submersion

X93 Assault by handgun discharge

X94 Assault by rifle, shotgun and larger firearm discharge

X95 Assault by other and unspecified firearms discharge

X96 Assault by explosive material

X97 Assault by smoke, fire and flames

X98 Assault by steam, vapors and hot objects

X99 Assault by sharp object

Y00 Assault by blunt object

Y01 Assault by pushing from high place

Y02 Assault by pushing or placing victim before a moving object

Y03 Assault by crushing of motor vehicle

Y04 Assault by bodily force

Y05 Sexual assault by bodily force

Y06 Neglect and abandonment

Y07 Other maltreatment

Y08 Assault by other specified means

Y09 Assault by unspecified means

## **Events of undetermined intent (Y10-Y34)**

Y10 Poisoning by and exposure to non-opioid analgesics, antipyretics and anti-rheumatics, undetermined intent

Y11 Poisoning by and exposure to antiepileptic, sedative, hypnotic, antiparkinsonism and psychotropic drugs, not classified elsewhere, undetermined intent

Y12 Poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not classified elsewhere, undetermined intent

Y13 Poisoning by and exposure to other drugs acting on the autonomic nervous system, undetermined intent

Y14 Poisoning by and exposure to other and unspecified drugs, medicaments and biological substances, undetermined intent

Y15 Poisoning by and exposure to alcohol, undetermined intent

Y16 Poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapors, undetermined intent

Y17 Poisoning by and exposure to other gases and vapors, undetermined intent

Y18 Poisoning by and exposure to pesticides, undetermined intent

Y19 Poisoning by and exposure to other and unspecified chemicals and noxious substances, undetermined intent

Y20 Hanging, strangulation and suffocation, undetermined intent

Y21 Drowning and submersion, undetermined intent

Y22 Handgun discharge, undetermined intent

Y23 Rifle, shotgun and larger firearm discharge, undetermined intent

Y24 Other and unspecified firearms discharge, undetermined intent

Y25 Contact with explosive material, undetermined intent

Y26 Exposure to smoke, fire and flames, undetermined intent

Y27 Contact with steam, vapors and hot objects, undetermined intent

Y28 Contact with sharp object, undetermined intent

Y29 Contact with blunt object, undetermined intent

Y30 Falling, jumping or pushed from a high place, undetermined intent

Y31 Falling, lying or running before or into moving object, undetermined intent

Y32 Crashing of motor vehicle, undetermined intent

Y33 Other specified events, undetermined intent

Y34 Unspecified event, undetermined intent

### **Legal intervention and operations of war (Y35-Y36)**

Y35 Legal intervention

Y36 Operations of war



## **Complications of medical and surgical care (Y40-Y84)**

Drugs, medicaments and biological substances causing adverse effects in therapeutic use (Y40-Y59)

Y40 Adverse effects: systemic antibiotics

Y41 Adverse effects: other systemic anti-infectives and antiparasitics

Y42 Adverse effects: hormones and their synthetic substitutes and antagonists, not elsewhere classified

Y43 Adverse effects: primarily systemic agents

Y44 Adverse effects: agents primarily affecting blood constituents

Y45 Adverse effects: analgesic, antipyretic, and anti-inflammatory drugs

Y46 Adverse effects: antiepileptics and antiparkinsonism drugs

Y47 Adverse effects: sedative, hypnotics and antianxiety drugs

Y48 Adverse effects: anaesthetics and therapeutic gases

Y49 Adverse effect: psychotropic drugs, not elsewhere classified

Y50 Adverse effects: central nervous system stimulants, not elsewhere classified

Y51 Adverse effects: drugs primarily affecting the autonomic nervous system

Y52 Adverse effects: agents primarily affecting the cardiovascular system

Y53 Adverse effects: agents primarily affecting the gastrointestinal system

Y54 Adverse effects: agents primarily affecting water-balance and mineral and uric acid metabolism

Y55 Adverse effects: agents primarily acting on smooth and skeletal muscles and the respiratory system

Y56 Adverse effects: topical agents primarily affecting the skin and mucous membrane, and ophthalmologic, otorhinolaryngological and dental drugs

Y57 Adverse effects: other and unspecified drugs and medicaments

Y58 Adverse effects: bacterial vaccines

Y59 Adverse effects: other and unspecified vaccines and biological substances

## **Misadventures to patients during medical and surgical care (Y60-Y69)**

Y60 Unintentional cut, puncture, perforation or hemorrhage during medical and surgical care

Y61 Foreign object accidentally left in body during medical and surgical care

Y62 Failure of sterile precautions during medical and surgical care Y63 Failure in dosage

during medical and surgical care

Y64 Contaminated drugs or biological substances

Y65 Other misadventures during medical and surgical care

Y66 No administration of medical and surgical care

Y69 Unspecified misadventures during medical and surgical care

**Medical devices associated with adverse incidents in diagnostic and therapeutic use (Y70-Y82)**

Y70 Anesthesiology devices associated with adverse incidents

Y71 Cardiovascular devices associated with adverse incidents

Y72 Otorhinolaryngological devices associated with adverse incidents

Y73 Gastroenterology and urology devices associated with adverse incidents

Y74 General hospital and personal-use devices associated with adverse incidents

Y75 Neurological devices associated with adverse incidents

Y76 Obstetric and gynecological associated with adverse incidents

Y77 Ophthalmic devices associated with adverse incidents

Y78 Radiological devices associated with adverse incidents

Y79 Orthopedic devices associated with adverse incidents

Y80 Physical medicine devices associated with adverse incidents

Y81 General and plastic surgery devices associated with adverse incidents

Y82 Others and unspecified medical devices, associated with adverse incidents

**Surgical and other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of the incident at the moment of performing the procedure (Y83 to Y84)**

Y83 Surgery and other surgical procedures as the cause of abnormal reaction of the patient or of later complication, without mention of the incident at the moment of performing the procedure

Y84 Other medical procedures as the cause of abnormal reaction of the patient or of later complication, without mention of the incident at the moment of performing the procedure

### **Sequelae of external causes of morbidity and mortality (Y85-Y89)**

Y85 Sequelae of transport accidents

Y86 Sequelae of other accidents

Y87 Sequelae of intentional self-harm, assaults and events and events of undetermined intent

Y88 Sequelae with medical and surgical care as external cause

Y89 Sequelae of other external causes

### **Supplementary factors related to causes of morbidity and mortality classified elsewhere (Y90-Y98)**

Y90 Evidence of alcohol involvement determined by blood alcohol level

Y91 Evidence of alcohol involvement determined by level of intoxication

Y95 Nosocomial condition

Y96 Work-related condition

Y97 Environmental-pollution-related condition

Y98 Lifestyle-related condition