How to get hold of hospital data (for MAIS3+ assessment)

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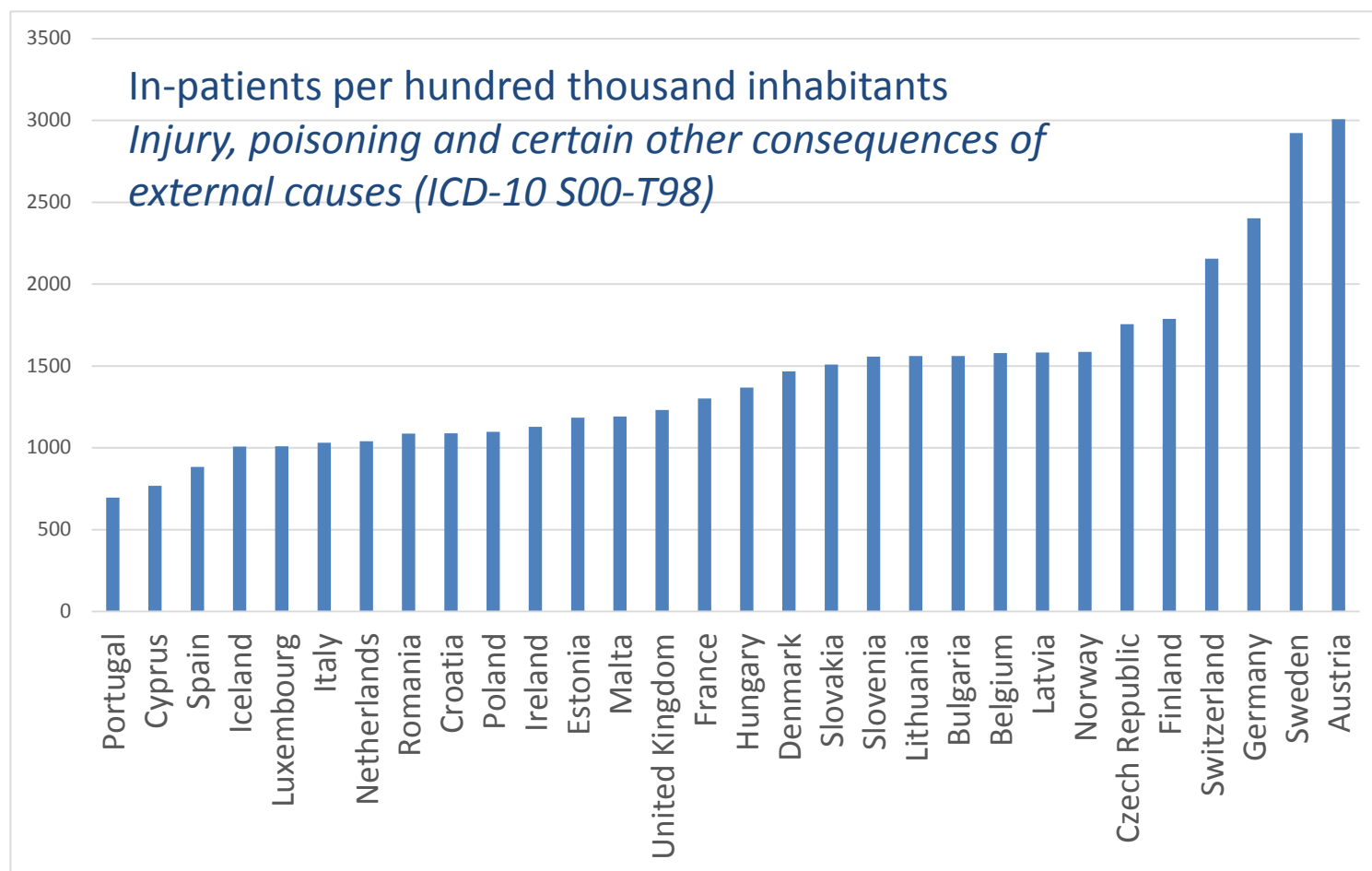
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HDR data at the international level

In-patients per hundred thousand inhabitants
Injury, poisoning and certain other consequences of external causes (ICD-10 S00-T98)

HDR - Conclusions

o National HDR data is available in all EU / EAA countries (except Lichtenstein)

o International HDR data is available (e.g. Estat) for all EU / EAA countries (except Lichtenstein), but not apt for AIS assessment (due to the lack of ICD-chapter XX data and 4-digit ICD-chapter XIX codes)

o HDR national contacts ...

o ... to follow

HDR - Key Concepts

o   Hospital discharges should cover all hospitals (HP.1).

o   They should include deaths in hospital and transfers to another hospital, but exclude transfers to other care units within a same hospital.

o   Countries submitting data according to ISHMT should exclude the "external causes of morbidity and mortality" (V, W, X and Y codes, chapter 20 in ICD-10), in order to avoid any double-counting of injuries which are already recorded in "injury, poisoning and certain other consequences of external causes" (S and T codes, chapter 19 in ICD-10).

HDR - Key Concepts ctd.

o **An in-patient** is a patient who is formally admitted (or 'hospitalised') to an institution for diagnosis, treatment and / or care and stays for a minimum of one night or more than 24 hours in the hospital or other institution providing in-patient care.

o In contrast to in-patient care, the intention for **day care** is to discharge the patient on the same day as admitted.

o In **contrast to outpatient care, day care** comprises planned medical and paramedical services delivered to patients who have been formally admitted for diagnosis, treatment or other types of health care.

HDR - Estat Mandate

o   Countries submit data to Eurostat on the basis of a gentlemen's agreement established in the framework of the Eurostat Working Group on "Public Health Statistics".

o   The [Regulation on Community statistics on public health and health and safety at work (EC) No 1338/2008](#) is the framework of the data collection on the domain.

o   A specific Implementing Measure is currently being developed - within the ESS - on Causes of Death statistics and, …

o   … according to forthcoming agreement with the member States, Implementing Measures for other domains will follow … HDR ?

International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10)-WHO Version for ;2016

Chapter XIX
Injury, poisoning and certain other consequences of external causes
(S00-T98)

Excl.:   birth trauma (P10-P15)
obstetric trauma (O70-O71)
malunion of fracture (M84.0)
nonunion of fracture [pseudarthrosis] (M84.1)
pathological fracture (M84.4)
pathological fracture with osteoporosis (M80.-)
stress fracture (M84.3)

This chapter contains the following blocks:

S00-S09	Injuries to the head
S10-S19	Injuries to the neck
S20-S29	Injuries to the thorax
S30-S39	Injuries to the abdomen, lower back, lumbar spine and pelvis
S40-S49	Injuries to the shoulder and upper arm
S50-S59	Injuries to the elbow and forearm
S60-S69	Injuries to the wrist and hand
S70-S79	Injuries to the hip and thigh
S80-S89	Injuries to the knee and lower leg
S90-S99	Injuries to the ankle and foot
T00-T07	Injuries involving multiple body regions

International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10)-WHO Version for ;2016

Chapter XX
External causes of morbidity and mortality (V01-Y98)

This chapter, which in previous revisions of ICD constituted a supplementary classification, permits the classification of environmental events and circumstances as the cause of injury, poisoning and other adverse effects. Where a code from this section is applicable, it is intended that it shall be used in addition to a code from another chapter of the Classification indicating the nature of the condition. Most often, the condition will be classifiable to Chapter XIX, Injury, poisoning and certain other consequences of external causes (S00-T98). Causes of death should preferably be tabulated according to both Chapter XIX and Chapter XX, but if only one code is tabulated then the code from Chapter XX should be used in preference. Other conditions that may be stated to be due to external causes are classified in Chapters I to XVIII. For these conditions, codes from Chapter XX should be used to provide additional information for multiple-condition analysis only.

Categories for sequelae of external causes of morbidity and mortality are included at Y85-Y89.

This chapter contains the following blocks:

V01-X59   Accidents

     V01-V99   Transport accidents

         V01-V09   Pedestrian injured in transport accident

         V10-V19   Pedal cyclist injured in transport accident

         V20-V29   Motorcycle rider injured in transport accident

         V30-V39   Occupant of three-wheeled motor vehicle injured in transport accident

HDR ICD Versions & Bridge Code

International shortlist for hospital morbidity tabulation (ISHMT) - Eurostat/OECD/WHO

ICD Chapter	Group	Code	Heading	ICD-10 Code	ICD-9 Code
XIX		1900	Injury, poisoning and certain other consequences of external causes	S00-T98	800-999
XIX	117	1903	Fracture of forearm	S52	813
XIX	118	1904	Fracture of femur	S72	820, 821
XIX	121	1907	Burns and corrosions	T20-T32	940-949

HDR ICD-10 Transfer

Country	Classification system
Belgium	ICD9
Bulgaria	shortlist
Czech Republic	ICD10 (3 digits)
Denmark	ICD10 (3 digits)
Germany	shortlist
Estonia	shortlist
Ireland	shortlist
Greece	No data
Spain	ICD9
France	shortlist
Croatia	ICD10 (3 digits)
Italy	shortlist
Cyprus	ICD10 (3 digits)
Latvia	ICD10 (3 digits)
Lithuania	ICD10 (3 digits)
Luxembourg	ICD10 (3 digits)
Hungary	shortlist

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Netherlands	shortlist
Austria	shortlist
Poland	ICD10 (3 digits)
Portugal	ICD9
Romania	ICD10 (3 digits)
Slovenia	ICD10 (3 digits)
Slovakia	ICD10 (3 digits)
Finland	ICD10 (3 digits)
Sweden	ICD10 (3 digits)
United Kingdom	ICD10 (3 digits)
Liechtenstein	No data
Norway	ICD10 (3 digits)
Switzerland	ICD10 (3 digits)
Serbia	ICD10 (3 digits)
Turkey	No data

HDR Transfer – Data set

Table 2. Record lay-out of the HDD file

Variable no. and name	Variable description	Type	Size in case of fixed field length
1. Country	Two-character country code (ISO 3166, see Table 1 or www.iso.org). This field can be extended by adding a code for sub-national entities, thus allowing reporting at sub-national level[6].	Character	2^5
2. Year	Year of discharge	Integer	4
3. Age	Code of age grouping (see Table 3)	Integer	1
4. Gender	Code of gender (see Table 4)	Integer	1
5. ICD version	Code of ICD version used to code diagnosis (see Table 5)	Character	3
6. Diagnosis	Code of diagnosis or external cause (ICD-9 or ICD-10 code corresponding to above code of ICD version)	Character	5
7+3n. Discharges	Number of inpatient discharges (excluding day cases) with above diagnosis, by defined age groups	Integer	10
8+3n. Bed-days	Number of bed-days used for above diagnosis, by defined age groups	Integer	10
9+3n. Day cases	Number of day case discharges with above diagnosis, by defined age groups	Integer	10

HDR Transfer – ICD Code

Table 5. Code table for ICD version used to code main diagnosis

Code	Classification system
094	ICD-9 4-character list
103	ICD-10 3-character list (**most preferable**)
104	ICD-10 4-character list
HMT	International Shortlist for Hospital Morbidity Tabulation (ISHMT) *

HDR – international contacts

JOINT DATA COLLECTION ON NON-MONETARY
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