



Latest developments on health statistics

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- *Causes of Death statistics*
- *Morbidity statistics*
- *Health Care non-expenditure statistics*
- *Health Care expenditure statistics*
- *European Health Interview survey*

Causes of death statistics

Background - Causes of Death statistics

- *Implementing regulation 328/2011 on causes of death adopted in April 2011*
- *Data with reference year 2011 was first under the regulation*
- *Data are to be submitted T+24, but under agreement T+18, where possible*
- *For all countries data quality increasing with every year, smoother and faster validation*

List of variables

























Variables	Residents			Non-residents who died in the reporting country		
	Stillbirths	Neonatal deaths	Other deaths	Stillbirths	Neonatal deaths	Other deaths
1) Year of death (date of occurrence)	C	C	C	C	C	C
2) Sex	V	C	C	V	C	C
3) Underlying cause of death ICD (4 digits)	V	C	C	V	C	C
4) Age	X	C	C	X	C	C
5) Country of occurrence	V	C	C	V	C	C
6) Region of occurrence (NUTS 2)	V	C (1)	C (1)	V	C	C
7) Region of residence (NUTS 2)/Region of residence of the mother (NUTS 2)	V	C	C	V	V	V
8) Country of residence/Country of residence of the mother	X	X	X	V	C	C
9) First group of stillbirth						
— birth weight from 500 g to 999 g or when birth weight does not apply						
— gestational age from 22 to 27 completed weeks or when neither of the two applies	V	X	X	V	X	X
— crown-heel length from 25 to 34 cm						
10) Second group of stillbirth						
— birth weight of 1 000 g and more or when birth weight does not apply						
— gestational age after 27 completed weeks or when neither of the two applies	V	X	X	V	X	X
— crown-heel length of 35 cm or more						
11) Age of mother by age group (less than 15 years of age, 5 years age groups)	V	V	X	V	V	X
12) Parity	V	V	X	V	V	X

N.B.: C - Compulsory; V - Voluntary; X - Not applicable.

Data dissemination

- Eurostat database
- Statistics Explained articles
- News items and news releases
- CoD data used by other Commission DGs
- External users

Latest data in the database

- Causes of death (hlth_cddeath) 
 - General mortality (hlth_cd_gmor)
 -  Causes of death - Deaths by country of residence and occurrence (hlth_cd_aro) 
 -  Causes of death - Standardised death rate by residence (hlth_cd_asdr2) 
 -  Causes of death - Crude death rate by NUTS 2 region of residence (hlth_cd_acdr2) 
 -  Causes of death - Potential years of life lost by residence (hlth_cd_apyll) 
 -  Causes of death - Deaths by NUTS 2 region of residence and occurrence, 3 years average (hlth_cd_yro)
 -  Causes of death - Standardised death rate by NUTS 2 region of residence, 3 years average (hlth_cd_ysdr2)
 -  Causes of death - Crude death rate by NUTS 2 regions of residence, 3 years average (hlth_cd_ycdr2)
 -  Causes of death - Years and potential years of life lost by NUTS 2 regions of residence, 3 years average (hlth_cd_ypyll)
 - Infant mortality (hlth_cd_imor)
 -  Causes of death - Infant mortality by country of residence (hlth_cd_ainfr) 
 -  Causes of death - Infant mortality by country of occurrence (hlth_cd_ainfo) 
 -  Causes of death - Infant mortality by NUTS 2 region of residence, 3 years average (hlth_cd_yinfr)
 -  Causes of death - Infant mortality by NUTS 2 region of occurrence, 3 years average (hlth_cd_yinfo)
 - Peri-neonatal mortality (hlth_cd_pnmor)
 -  Peri-neonatal mortality by age of mother and parity, by residence and occurrence (hlth_cd_aperro)
 -  Fetal, peri- and neonatal mortality rates by country of occurrence (hlth_cd_aperro) 
 -  Peri-neonatal mortality by age of mother and parity, by NUTS2 region of residence and occurrence, 3 years average (hlth_cd_yperro)
 -  Fetal, peri- and neonatal mortality rates by NUTS 2 region of occurrence, 3 years average (hlth_cd_yperro)
 - Public health themes (hlth_cd_pbt)
 - Causes of death - historical data (1994 - 2010) (hlth_cd_hist)

Recent developments - Causes of Death statistics

- *Meeting of the Technical Group on Causes of Death – March 2018*
 - **Data quality, validation and compliance monitoring**
 - **Dissemination**
 - **Amenable and Preventable mortality**
- *Meeting of the Working Group on Public Health statistics – December 2018*

Morbidity statistics

Background – Morbidity statistics

- *Framework Regulation (EC) 1338/2008: legal basis for Eurostat 's Public Health Statistics*
- *Annex 1: the domain of health status and health determinants covers statistics from surveys and "other statistics compiled from administrative sources such as those on morbidity".*
- *Part of long-term efforts to improve availability of health information for EU policymaking and health care systems assessment/improvement*
- *Collaboration with Member States started in the nineties*

Recent developments

- *2015-2017 National inventories on morbidity statistics → European project on inventories of morbidity statistics (EPIMS) report*
- *2018: Launch of grant actions for pilot data collections*
- *Pilot data collections will run 2019-2020*
- *Data will be collected according to a shortlist. ICD chapters on communicable diseases and neoplasms are excluded from the pilot data collection.*
- *TG MORB – October 2017, TF MORB – March 2018*
- *2 meetings of TF MORB foreseen in 2019*

Health Care non-expenditure statistics

Background

- *Joint questionnaire together with OECD and WHO since 2010*
- *Regulation 1338/2008 on statistics on public health and health and safety at work and implementing regulation 2015/359 as regards statistics on healthcare expenditure and financing foresees **development of a legal basis for collecting non-monetary health care data***
 - **Mandatory for EU Member States**
 - **Better and more harmonized definitions**
 - **Improved coverage and comparability**

Key steps

- *Core data for possible inclusion in the regulation have been selected in 2014 by a Task Force with representatives from 9 Member States, in collaboration with the European Commission*
- *Main data users within the European Commission have been consulted on the selected data*
- *The work of the Task Force has pointed out on limitations concerning the quality of the data currently collected through the joint questionnaire, in terms of availability, comparability and coverage*

Key steps (cont.)

- *Actions at national level to improve the data quality are a prerequisite to meet conditions for a possible mandatory data collection*
- *Eurostat offered grants in 2 rounds for improving data quality: 2015 (1 application), 2018 (2 applications)*
- *Countries were invited to describe national situation and to provide national action plans for improvements*
- *Workshop was organised by Eurostat, providing countries a possibility to discuss methodological difficulties*

Core variables as identified by the TF for possible inclusion in the regulation

(broad groups – non exhaustive list)

- *Health employment*
 - **Practising physicians, dentists, pharmacists, midwives, nurses, caring personnel**
- *Physical and Technical Resources*
 - **Hospital beds (curative, rehabilitative, long-term care, psychiatric, other)**
 - **Day care places together**
 - **Beds in residential long term care facilities**

Core variables (broad groups – non exhaustive list)

- *Health care activities*
 - **Consultations, screening, immunization**
 - **Hospital aggregates – bed-days, average length of stay, hospital discharges**
 - **Selected surgical procedures**
- *Health workforce migration*
- *Task Force and Technical group will discuss the proposed variables in detail*

Next steps

- *Grants awarded in 2018*
- *The grant action will be linked to core data selected for the regulation*
- *The grant action is targeted to countries having difficulties to provide data or comply with definitions*
- *Duration of the action 12 months*
- *Task Force and Technical Group in 2019 to discuss definitions and variables for inclusion in the regulation*



System of Health Accounts (SHA) – developments

Legal framework

- *Common framework: Regulation 1338/2008 on Community statistics on public health and health and safety at work (16/12/2008)*
- *Commission Regulation 2015/359 as regards statistics on healthcare expenditure and financing (04/03/2015)*
 - **Systematic annual data and metadata collection**
 - **Improvement of geographical coverage**
 - **Gradual improvement of quality through systematic annual monitoring exercise**
 - **... »Sunset clause «: last collection April 2022 (data 2020)**

Joint Health Accounts Questionnaire

- *A joint data collection with OECD WHO and EUROSTAT*
- *data collections:*
 - **2016 JHAQ – reference year 2014 (first under regulation)**
 - **2018 JHAQ (ongoing) – reference year 2016**
 - **Historical data**

Recent developments

- *Technical Group HCE (November 2017)*
 - **Give typical ESS infrastructure to SHA statistics**
 - **National experts on SHA + main users of SHA**
 - **Technical and methodological subjects**
- *Task force HCE (June 2018)*
 - **Quality report**
 - **Links between SHA and National Accounts**
 - **Work on possible future developments of SHA (if needed amending legislation)**

Recent developments by TF

- *Quality report (to be submitted by March 2020)*
 - **Draft template + pilot collection (sept 2018)**
 - **Launch collection of national QR (Dec 2018)**
 - **Draft report (Dec 2019) publication (March 2020)**
- *Links with NA*
 - **Methodological reference (Jun-Oct 2018)**
 - **Data comparison : pilot (Jan-Mar 2019) → WG 2019**
- *Future developments of SHA*
 - **Identification of developments (May 2018)**
 - **Cost (Oct 2018) Benefit (May-Sept 2018) analysis**
 - **Prioritisation (Dec 2018: TF+ WG) → planning of future activities + TF mandate**



European Health Interview Survey (EHIS)

Outline - EHIS

- *EHIS wave 2-related activities (dissemination, assessment, anonymisation)*
- *EHIS wave 3-related activities (legal basis, supporting documents)*
- *Voluntary topics for EHIS 2019*

EHIS wave 2-dissemination related activities

- *Past actions:*
 - **Dissemination of datasets using age/sex/education/income/degree of urbanization as breakdowns**
 - **Updating the online publication *Health in the European Union – facts and figures***
 - **Dissemination of new Statistics Explained articles**
- *Future actions (2018/2019):*
 - **Dissemination of new breakdowns: activity limitation/country of birth/country of citizenship**
 - **Dissemination of age-standardised datasets**
 - **Joint dissemination with wave 1 (whenever possible)**

EHIS wave 2-assessment related activities




- *EU comparative quality report of the 2nd EHIS wave released on 24/05/2018*
- *Reports available in Circabc:*
 - **Assessment comparability of data from EHIS waves 1 and 2**
 - **Assessment of the impact of the survey characteristics on the results**
 - **Assessment comparability MEHM questions in EHIS and SILC**

<https://circabc.europa.eu/w/browse/54bfc0c0-1e5d-4ae1-a936-12bf9d06de20>



EHIS wave 2-anonymisation related activities

- *Anonymised waves 1 and 2 microdata files available to researchers*

EHIS 1:

-  Guidelines and questionnaire
-  Coverage of variables by countries
-  Anonymisation rules

EHIS 2:

-  Variables and anonymisation rules
-  Note on the availability and comparability of some variables

EHIS wave 3-related activities

- *Commission Regulation and Commission Implementing Decision granting derogations adopted on 19 February 2018*
- *EHIS wave 3 methodological manual available on the Eurostat website and Circabc*
- *Other documents uploaded in Circabc: data delivery guidelines, validation rules*
- *Documents to be produced in 2018/2019:*
 - **Indicators manual**
 - **National quality report template**

Voluntary topics for EHIS 2019

- *New topics proposed for testing:*
 - **Disability (barriers to social participation)**
 - **Positive aspects of mental health**
 - **Patient experience**
 - **Dietary habits**
 - **Health of children**
- *Questionnaires available in Circabc*
- *Subdelegated budget from DG SANTE for grants*
- *Grants 2017 for qualitative testing*
- *Grants 2018 for quantitative testing together with wave 3 (on at least half of the wave 3 sample)*