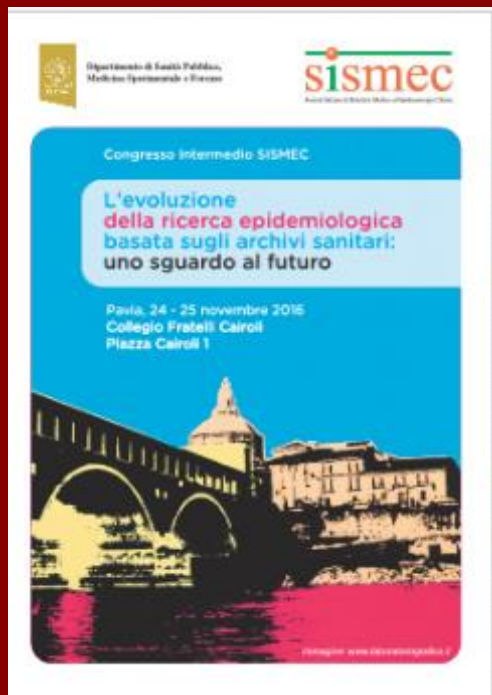




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Facoltà di Medicina e Chirurgia



EUROPEAN HEALTH INFORMATION SYSTEM: STATO DELL'ARTE E SVILUPPI

Flavia Carle

CENTRO INTERDIPARTIMENTALE DI EPIDEMIOLOGIA,
BIOSTATISTICA E INFORMATICA MEDICA
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**Il significato e gli obiettivi delle
iniziative europee
nell'ambito dell'Health
Information**



**Individuando le potenzialità
del ruolo dello statistico
medico**



HEALTH INFORMATION

*Health information is **all data, evidence and knowledge** that determines health and health service performance at individual or population level **to facilitate research, promotion, prevention, care and support policy-making.***

([://www.euro.who.int/en/data-and-evidence/european-health-information-initiative](http://www.euro.who.int/en/data-and-evidence/european-health-information-initiative))

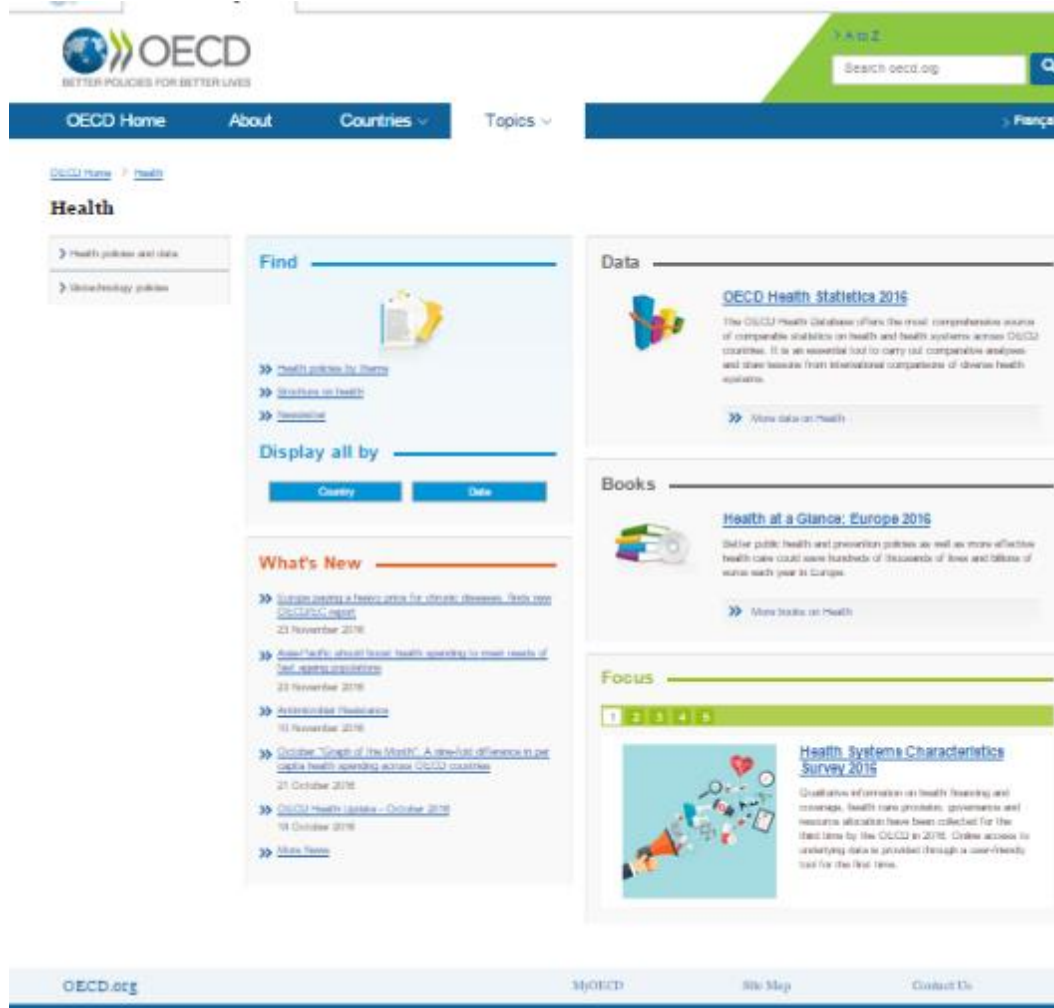


EUROPEAN HEALTH INFORMATION SYSTEM

*A European Health Information System is **an integrated effort** to collect, process, analyse, report, communicate and use comparable health information and knowledge covering all Member States **to understand the dynamics of the health of the European citizens and populations in order to support policy and decision-making, programme action, individual and public health outcomes, health system functioning, outputs and research in the European Union.***



Organisation for Economic Co-operation and Development (OECD)



The screenshot shows the OECD Health website interface. At the top, there is a navigation bar with links for OECD Home, About, Countries, Topics, and Français. Below this, a search bar is visible. The main content area is divided into several sections: 'Find' with a search icon and filters for 'Country' and 'Date'; 'Data' featuring 'OECD Health Statistics 2016'; 'Books' featuring 'Health at a Glance: Europe 2016'; and 'Focus' featuring 'Health Systems Characteristics Survey 2016'. A 'What's New' section on the left lists recent updates and reports. The footer contains links to OECD.org, MyOECD, Site Map, and Contact Us.

<http://www.oecd.org/health/>

History: established in 1961

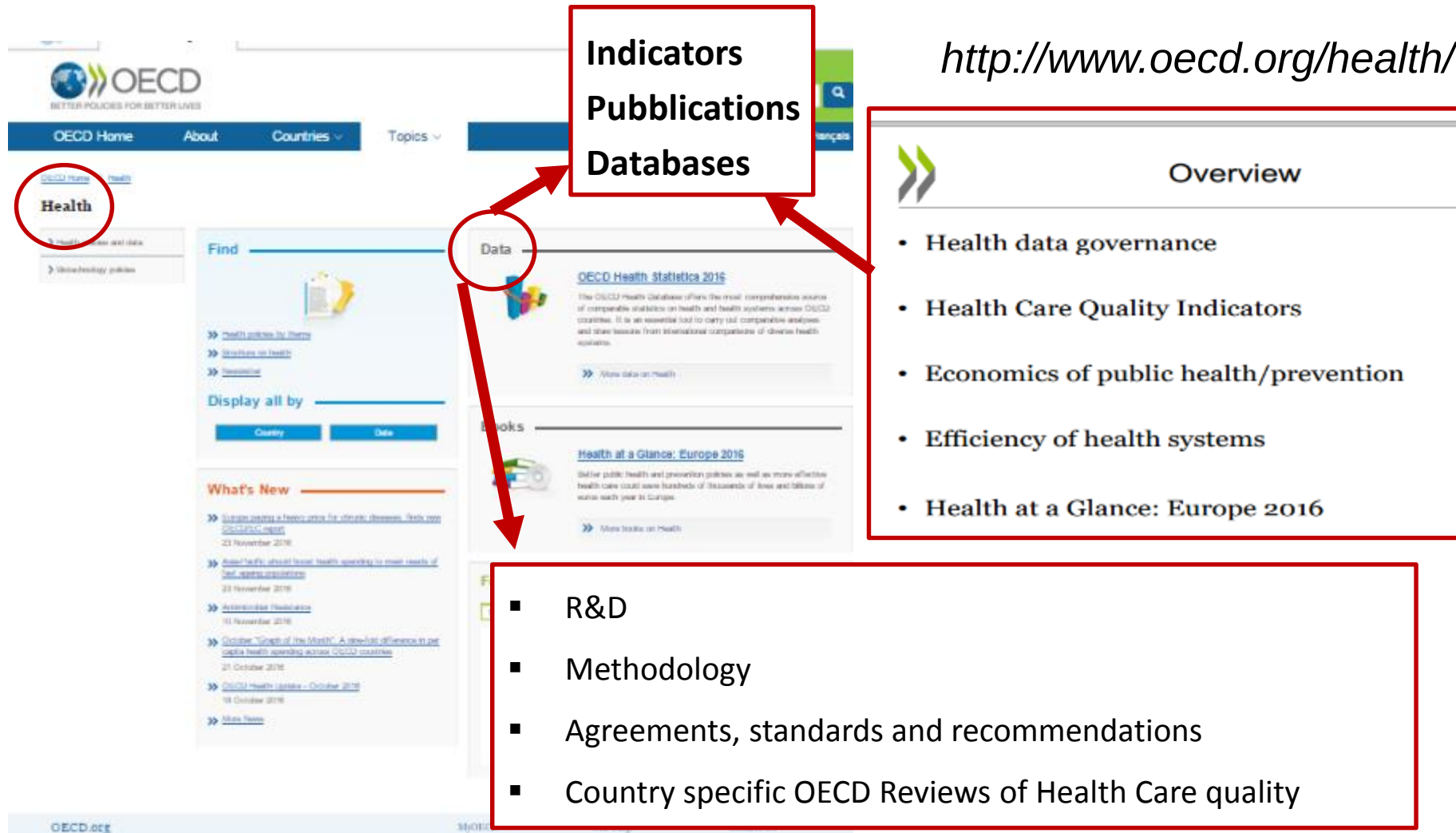
Headquarters: Paris, France

Membership: 35 countries

Budget: EUR 370 million

Publications: 250 new titles/year

Organisation for Economic Co-operation and Development (OECD)



The screenshot shows the OECD Health website interface. A red circle highlights the 'Health' link in the top navigation bar. Another red circle highlights the 'Data' link in the 'Find' section. A red box with arrows points to the 'Data' link and the 'OECD Health Statistics 2016' link. A third red box points to the 'Overview' section, which lists several key areas of focus. A fourth red box points to the 'What's New' section, which lists recent updates. A fifth red box points to the 'Books' section, which lists recent publications.

**Indicators
Publications
Databases**

<http://www.oecd.org/health/>

Overview

- Health data governance
- Health Care Quality Indicators
- Economics of public health/prevention
- Efficiency of health systems
- Health at a Glance: Europe 2016

What's New

- Update assesses a faster entry for chronic diseases. Only now [OECD report](#) - 23 November 2016
- How health affects mental health spending to meet needs of [self-managing patients](#) - 23 November 2016
- Antimicrobial Resistance - 13 November 2016
- October "Length of the Month": A one-lap difference in per capita health spending across OECD countries - 21 October 2016
- OECD Health Update - October 2016 - 19 October 2016
- More News

Books

- [Health at a Glance: Europe 2016](#) - Better public health and prevention policies as well as more effective health care could save hundreds of thousands of lives and billions of euros each year in Europe. [More books on Health](#)

■ R&D

■ Methodology

■ Agreements, standards and recommendations

■ Country specific OECD Reviews of Health Care quality



World Health
Organization

REGIONAL OFFICE FOR
Europe

The European Health Information Initiative is committed to improving the evidence on which policy is based and ultimately to creating a single health information system for Europe.

European Health Information Initiative



Measurement



Access



Capacity
Building



Networks



Strategy



Communication

By Claudia Stein WHO/E



World Health
Organization
REGIONAL OFFICE FOR
Europe

EHI participants (27 partners)

The designations employed and the presentation of this material do not imply the expression of any opinion whatsoever on the part of the Secretariat of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.



European Commission



Wellcome Trust



Organisation for Economic
Co-operation and
development



European Public Health
Association

The Commonwealth



European Centre for Disease
Prevention and Control

By Claudia Stein WHO/E



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EUROPEAN HEALTH INFORMATION

novembre / 2016
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World Health
Organization

REGIONAL OFFICE FOR
Europe

European Health Information Initiative



Measurement



Access



Capacity
Building



Networks



Strategy



Communication

By Claudia Stein WHO/E

European Health Information Gateway



Home

Countries

Themes

Data



Theme in focus: Health 2020

Health 2020 is the flagship health policy framework for the WHO European Region which aims to support action across society and governments for health and well-being. The evidence-based and peer-reviewed policy has been embraced by all 53 Member States in the WHO European Region and is vital as Europe is faced with many different challenges that impact our health and demand different ways of thinking and behaving.

The M&E framework details the way that good health contributes across society and provides policy-makers a vision, a strategic path, a set of priorities and a range of suggestions about what works to improve health and address health inequalities. This will ensure the health of future generations for everyone in the European Region.



Data

Choose an indicator to view data in WHO/Europe's databases

- Health 2020 indicators
- Environment and Health Information System (EHIS)
- European Health for All database (HFA-DB)



Themes

- Alcohol
- Antimicrobial resistance
- Environmental health
- Food Safety and Zoonoses
- Health 2020
- Health inequalities and social determinants of health
- Health literacy
- Health system performance: quality, costs, accessibility, equity and reform
- Healthy and active ageing
- Mental health
- Migrant health
- Noncommunicable diseases
- Obesity, physical activity and nutrition

[View all themes](#)



Infographics

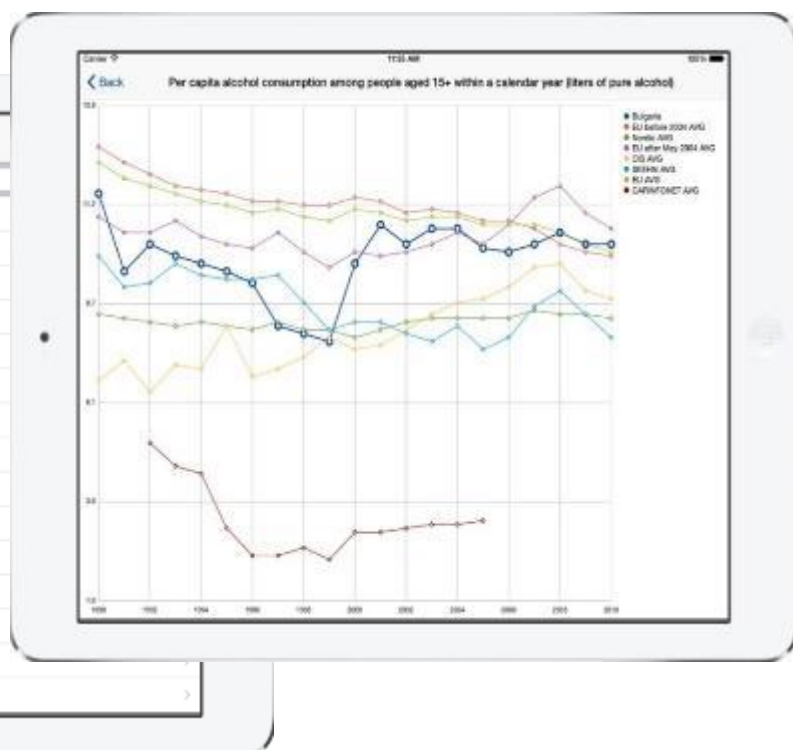
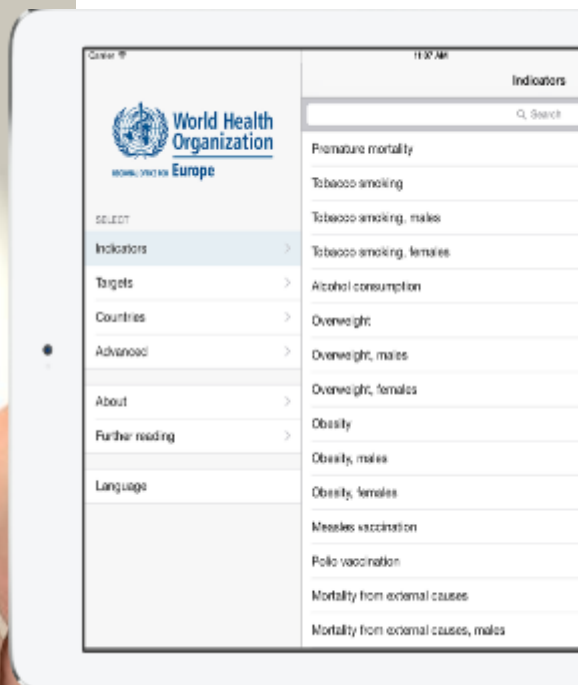


Country profiles

- Albania • Andorra • Armenia • Austria • Azerbaijan • Belarus • Belgium
- Bosnia and Herzegovina • Bulgaria • Croatia • Cyprus • Czech Republic • Denmark
- Estonia • Finland • France • Georgia • Germany • Greece • Hungary • Iceland
- Ireland • Israel • Italy • Kazakhstan • Kyrgyzstan • Latvia • Lithuania
- Luxembourg • Malta • Monaco • Montenegro • Netherlands • Norway • Poland
- Portugal • Republic of Moldova • Romania • Russian Federation • San Marino
- Serbia • Slovakia • Slovenia • Spain • Sweden • Switzerland • Tajikistan
- The former Yugoslav Republic of Macedonia • Turkey • Turkmenistan • Ukraine
- United Kingdom • Uzbekistan

gateway.euro.who.int

by Claudia Stein WHO/E



by Claudia Stein WHO/E



- Global database
- Metadata repository
- Official list of SGD indicator

Home

Welcome to the Sustainable Development Goal indicators website

A robust follow-up and review mechanism for the implementation of the new 2030 Agenda for Sustainable Development will require a solid framework of indicators and statistical data to monitor progress, inform policy and ensure accountability of all stakeholders.

Latest News

Global Consultation on the Global Action Plan for Sustainable Development Data

The High Level Group on Partnership, Coordination and Capacity-Building for statistics for the 2030 Agenda for Sustainable Development (HLG-PCCB) has drafted a Global Action Plan for Sustainable Development Data that calls for a full, active and focused commitment of government, policy leaders and the international community to implement the sustainable development agenda, while also calling for policy leaders to achieve a global pact or alliance that recognises that funding modernisation efforts of National Statistical Offices is essential to the achievement of the 2030 Agenda.

QUICK LINKS

SDGs

2030 Agenda for Sustainable Development

Statistical Commission

Friends of the Chair Group (FOC) on broader measures of progress

MDG Indicators



H2020

H2020 and SDGs
alone
Indicator-level: 13
Thematic: 15
No alignment: 9

10 indicators
overlap
thematically
across 3
frameworks

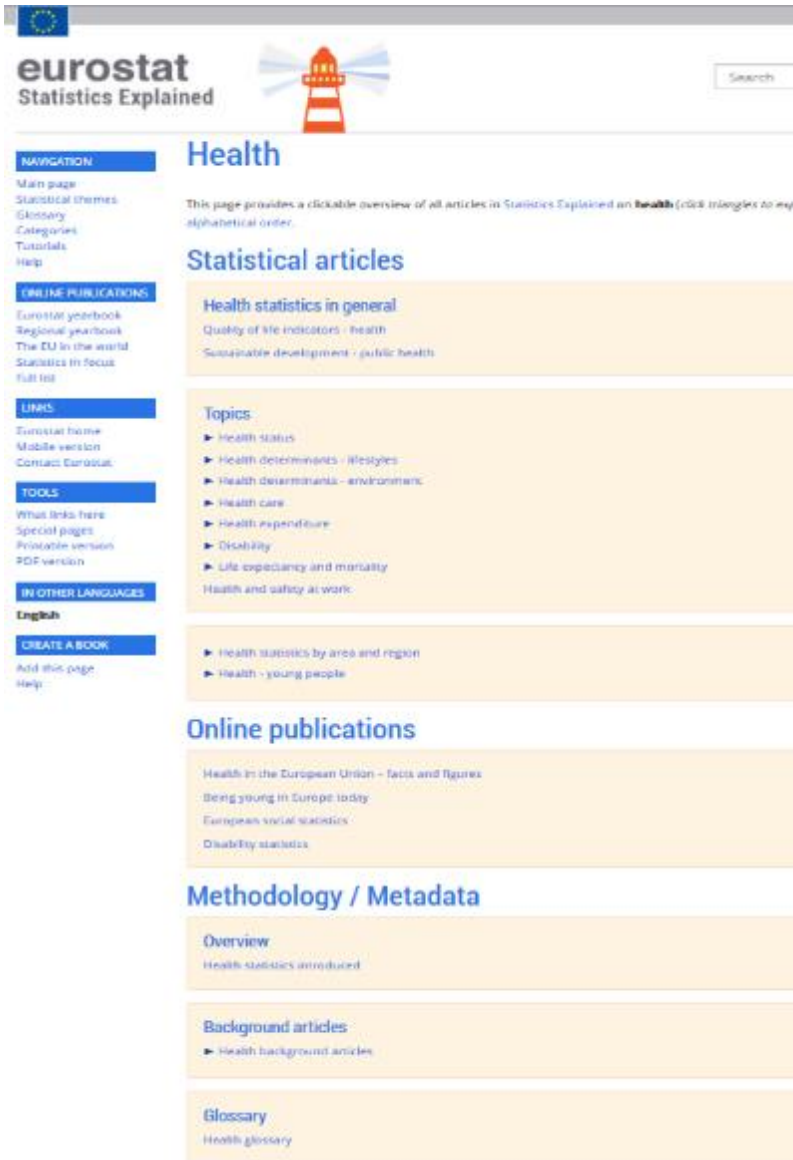
H2020 and NCD
alone
Indicator-level: 8
Thematic: 4
No alignment: 25

SDG

H2020 and SDGs
alone
Indicator-level: 6
Thematic: 8
No alignment: 11

NCD

By Claudia Stein WHO/E



The screenshot shows the Eurostat website interface. At the top, there's a header with the Eurostat logo and a search bar. Below the header, there's a main navigation menu with categories like 'NAVIGATION', 'ONLINE PUBLICATIONS', 'LINKS', 'TOOLS', 'IN OTHER LANGUAGES', and 'CREATES A BOOK'. The main content area is titled 'Health' and features a sub-header 'Statistical articles'. Under this, there are several sections: 'Health statistics in general', 'Topics' (listing various health-related topics), 'Online publications' (listing various health-related publications), 'Methodology / Metadata' (listing various health-related methodologies), and 'Glossary' (listing various health-related terms). The website is designed with a clean, professional layout, using a color scheme of blue, orange, and white.

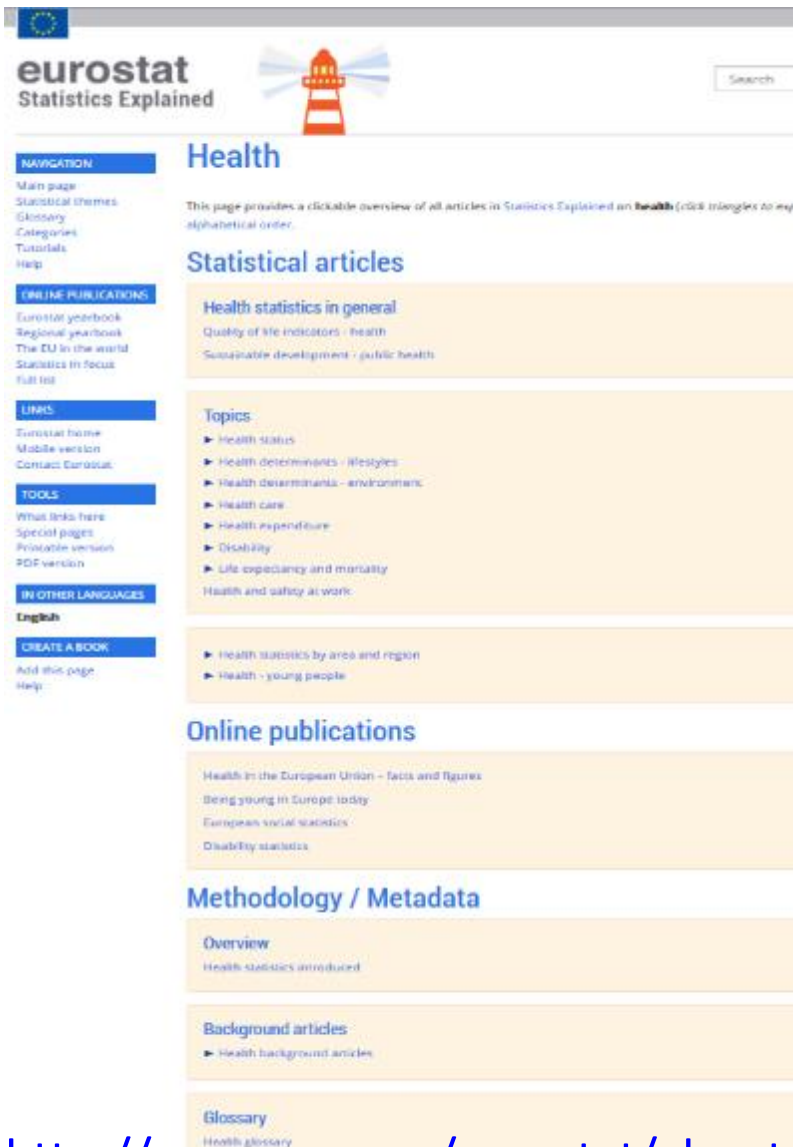
Eurostat is the statistical office of the European Union situated in Luxembourg.

Its mission is to provide high quality statistics for Europe.

While fulfilling its mission, Eurostat promotes the following values: respect and trust, fostering excellence, promoting innovation, service orientation, professional independence.

Providing the European Union with statistics at European level that enable comparisons between countries and regions is a key task.

<http://ec.europa.eu/eurostat/about/overview>



Statistics on Income and Living Conditions (SILC)

European Health Interview Survey (EHIS)

European Health and Social Integration Survey (EHSIS)

Global Activity Limitation Indicator (GALI)

Diagnosis-specific Morbidity (MORB) National Inventories on Morbidity Statistics

Causes of Death - COD

eurostat
Your key to European statistics

European Commission > Eurostat > Access to microdata > Overview

Legal notice | RSS | Cookies | Link

Type a keyword, a code, a title...

News Data Publications About Eurostat

ACCESS TO MICRODATA

OVERVIEW

OVERVIEW

European Community Household Panel

European Union Labour Force Survey

Community Innovation Survey

European Union Statistics on Income and Living Conditions

Structure of Earnings Survey

Adult Education Survey

European Road Freight Transport Survey

European Health Interview Survey

Continuing Vocational Training Survey

Community Statistics on Information Society

Micro-Moments Dataset

Household Budget Survey

What are microdata?

Microdata consist of sets of records containing information on individual persons, households or business entities. Microdata are used in official statistics for the production of aggregate information (usually tables). Access to confidential microdata is restricted in order to protect the anonymity of individual persons or businesses.

Access to microdata

We grant access to our microdata for scientific purposes only.

To apply for access to Eurostat's microdata, your organisation must first be recognised by us as a research entity – a university, research institution or research department in a public administration, bank, statistical institute etc.

Applying for access

❶ Step 1 – Apply to have your research organisation recognised as a research entity. You only need to do this once, no matter how many access requests you make subsequently (the procedure takes around 4 weeks)

❷ Step 2 – Apply for access to microdata. Once we have recognised your organisation as a research entity, you can apply for access by submitting a research proposal (the procedure takes around 8-10 weeks)

How are data provided?

Depending on the access type(s) of your choice, we will:

❶ send your principal researcher files containing anonymised data (scientific-use files) on electronic devices (CD-Rom, DVD, etc.) and/or

❷ authorise your organisation to access non-anonymised data (secure-use files) in Eurostat's "safe centre".

Access to microdata is only valid for the period specified in the research proposal. At the end of that period, you must:

❶ destroy any original scientific-use files sent by Eurostat and any confidential data derived from the files, and

❷ send Eurostat your research results.

 [How to apply for microdata access?](#)

Statistics on Income and Living Conditions (SILC)

European Health Interview Survey (EHIS)

European Health and Social Integration Survey (EHSIS)

Global Activity Limitation Indicator (GALI)

Diagnosis-specific Morbidity (MORB) National Inventories on Morbidity Statistics

Causes of Death - COD





1993-2002	8 different Action Programmes (health promotion, cancer, drug dependence, AIDS and other communicable diseases, health monitoring , rare diseases, accidents and injuries, pollution-related diseases)
2003-2008 € 353,8 Mio.	Community Action Programme for Public Health • Health Information • Health Threats • Health Determinants
2008-2013 € 321,5 Mio.	2nd Programme of Community Action in the field of Health • Health Security and Safety • Health Promotion and Health Inequality • Health Information
2014-2020 € 449,4 Million	3rd Programme of Community Action in the field of Health • Promote health, prevent diseases and foster supportive environments for health lifestyles • Protect citizens from serious cross-border health threats • Facilitate access to better and safer healthcare for Union Citizens • Contribute to innovative, efficient and sustainable Health Systems



PUBLIC HEALTH

European Commission > DG Health and Food Safety > Public health > Indicators > ECHI

INDICATORS

Search

All topics

Policy

ECHI

Healthy life years

Other indicators

International classification

Committees

Projects

Gli European Core Health Indicators (ECHI) sono un insieme di dati (tabelle, grafici, mappe) sullo stato di salute, sui determinanti e le cure nei Paesi Membri e in altri Paesi europei; questi indicatori consentono il monitoraggio e il confronto e sono utili come base per le politiche sanitarie

Types of health indicator

Out of a complete list of 88 European Core Health Indicators (ECHI), there are nearly 60 health indicators for which data is readily available and reasonably comparable. Where appropriate, figures are given by sex and age as well as by socio-economic status and regional level. ECHI are grouped under the following headings.

Heading	Examples
Demographic and socio-economic situation	Population, birth rate, total unemployment
Health status	Infant mortality, HIV/AIDS, road traffic injuries
Health determinants	Regular smokers, consumption/availability of fruit
Health interventions: health services	Vaccination of children, hospital beds, health expenditure
Health interventions: health promotion	Policies on healthy nutrition

ECHI data tool

The ECHI data tool provides data on European health indicators. Data can be presented in different layouts: line chart, bar chart, map or table. It can be converted into an image or downloaded as a data file. The tool allows a multi-selection of indicators.



e-newsletter

14 April 2016

Towards better prevention and management of dia

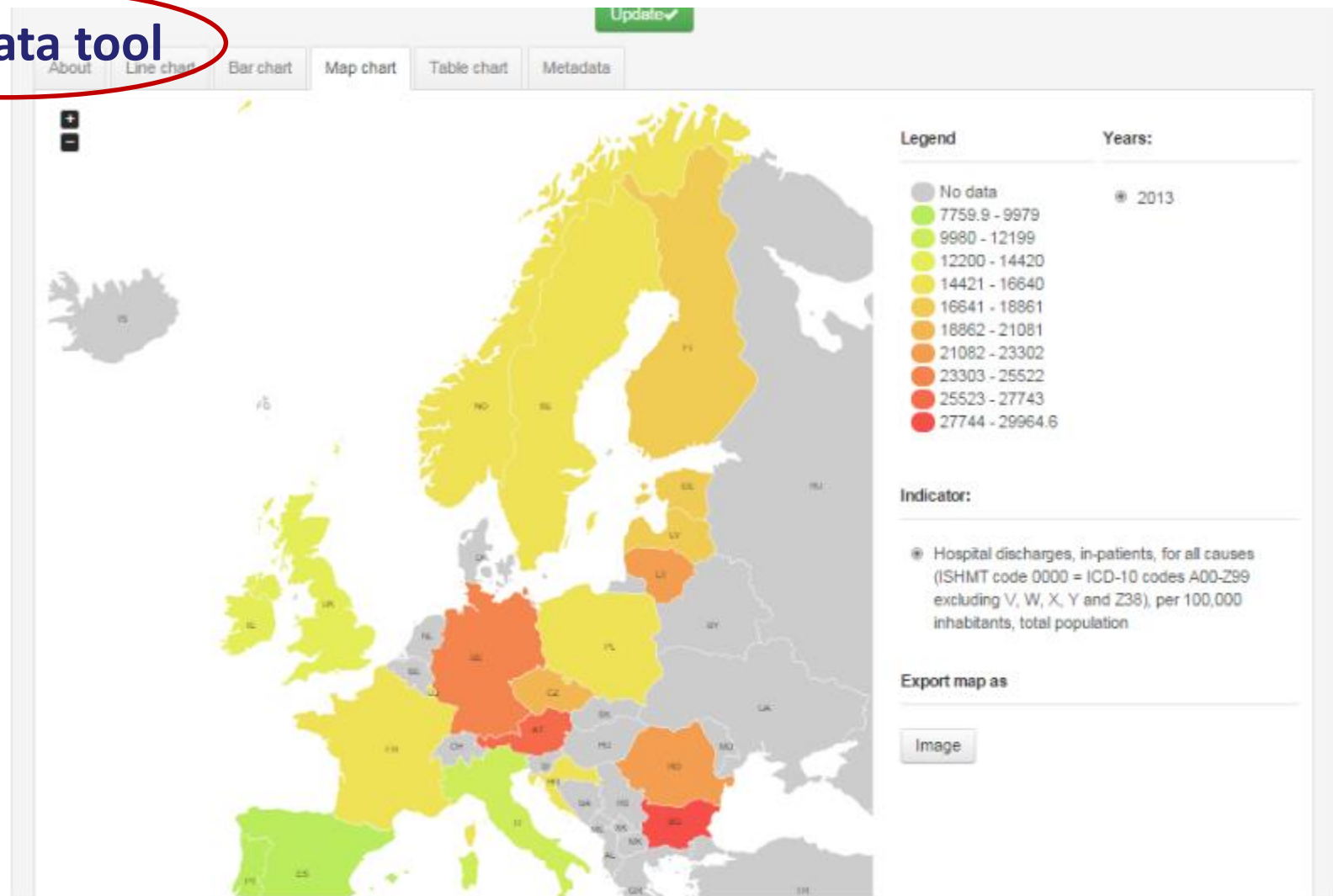
Latest updates

Indicator on Healthy Life Years at birth and at age 65 by sex updated with 2014 data (ECHI 40a)
Released 03 May 2016

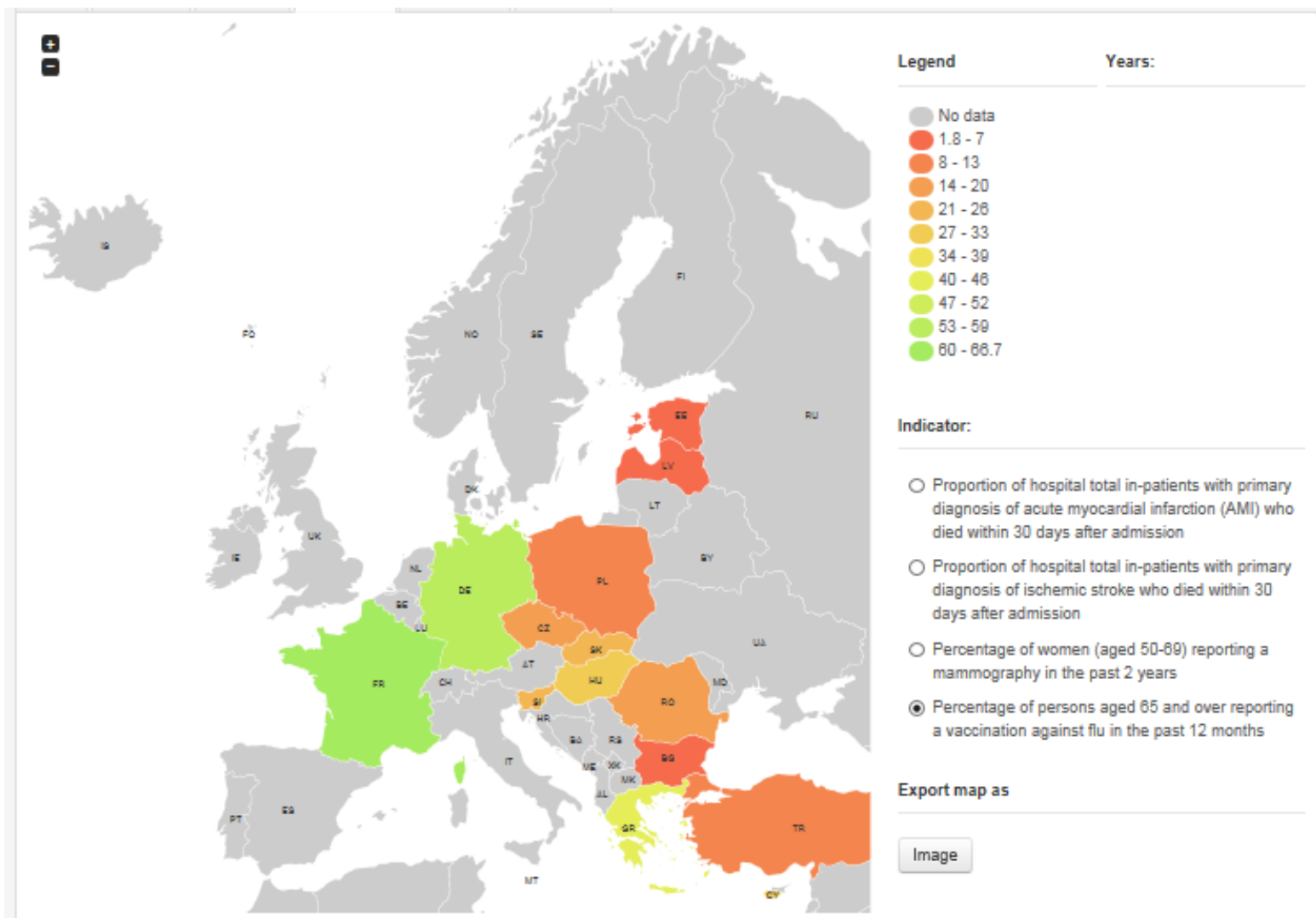
Indicator on disease-specific mortality for 25 diseases groups by sex updated with 2013 data
Released 19 April 2016

Indicator on equity of access to dental care services by sex, age, educational and income level updated with

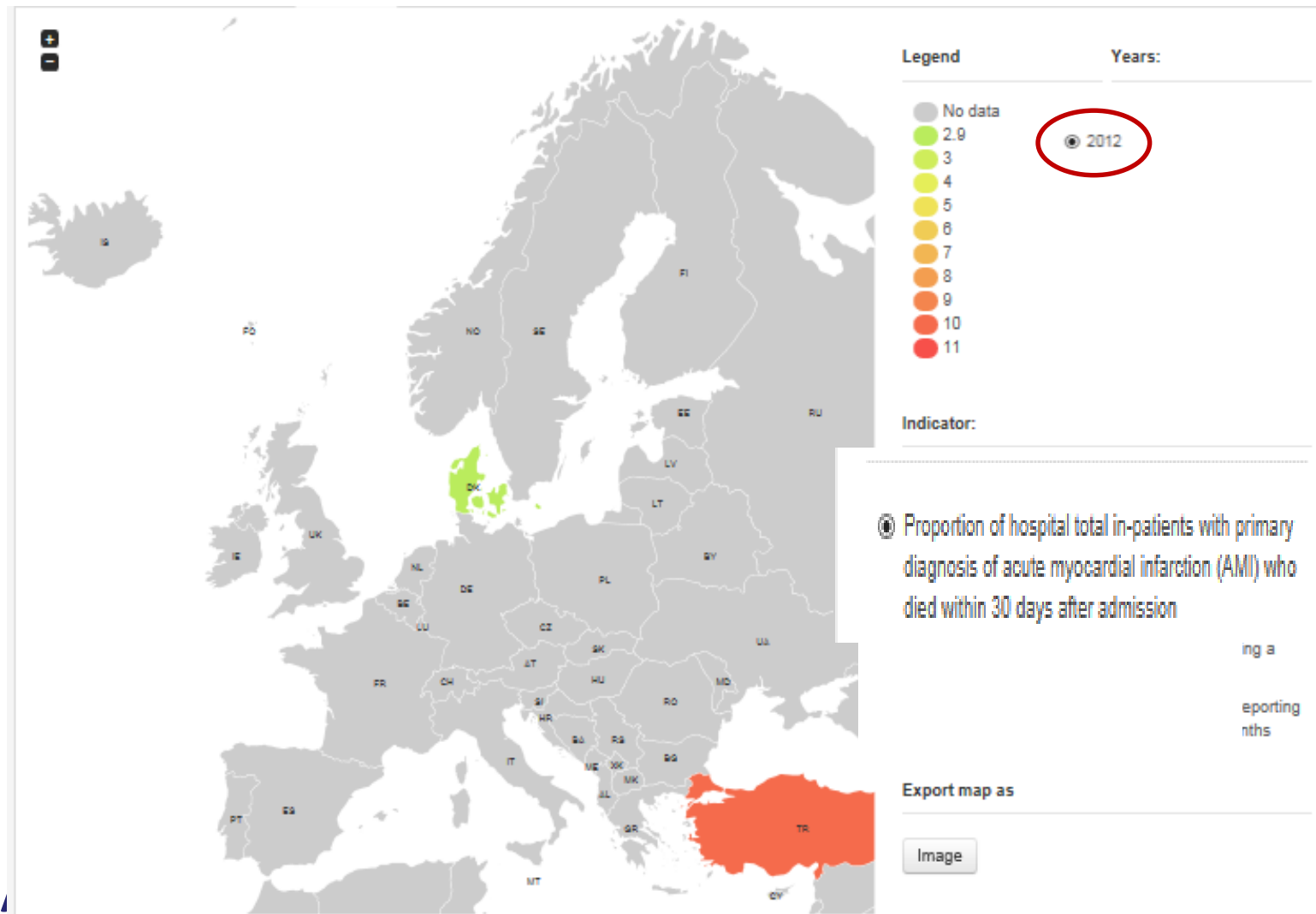
ECHI data tool



ECHI (http://ec.europa.eu/health/indicators/echi/index_en.htm/)



...Most of the data is provided by Eurostat, ..





2010

EXPERT
GROUP ON
HEALTH
INFORMATION
(EGHI)

*The EGHI is **a consultative structure** with representatives from EU Member States, EEA/EFTA and candidate countries as well as international organisations; **to support the overall implementation mechanisms for the health strategy with regard to health information.** The EGHI meets regularly;*

http://ec.europa.eu/health/strategy/implementation/hic/index_en.htm

http://ec.europa.eu/health/strategy/events/index_en.htm#anchor0



2010

EXPERT
GROUP ON
HEALTH
INFORMATION
(EGHI)

In particular, the EGHI should:

- *work together with the Commission to agree on needs and solutions for European health information and **reconcile the technical issues and resource constraints of this information with the overall EU policy and strategic needs;***
- *assist in defining and overseeing technical work needed to achieve this work;*
- *act as a platform for cooperation and collaboration on health information at European level.*



2014

**EXPERT
GROUP ON
HEALTH
SYSTEMS
PERFORMANCE
ASSESSMENT
(HSPA)**

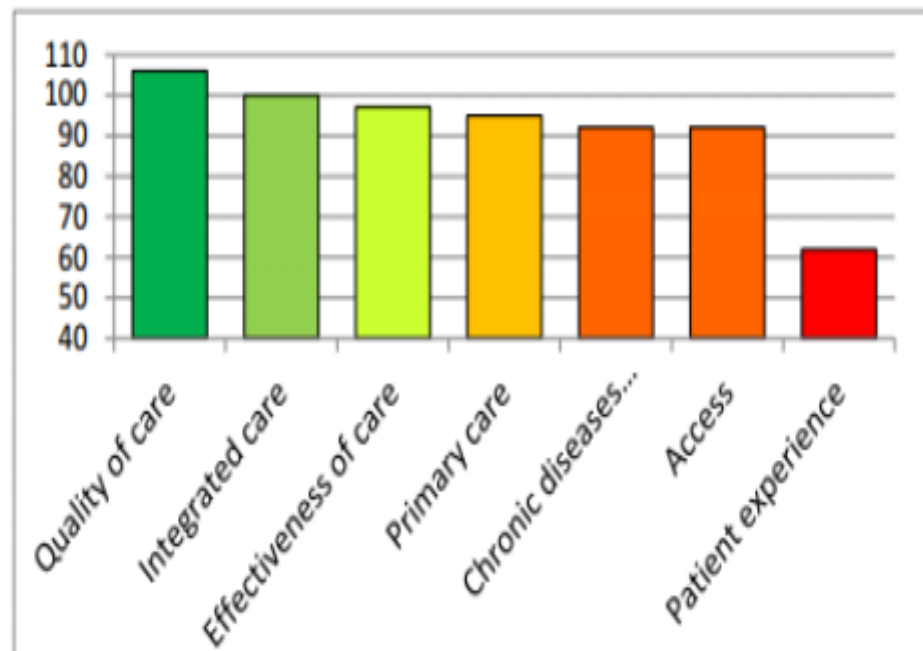
Our Mission

- 1. Provide participating Member states with a forum for exchange of experience on the use of HSPA at national level**
- 2. Support national policy makers by identifying tools and methodologies**
- 3. Define criteria and procedures for selecting priority areas**
- 4. Intensify EU cooperate with international organizations in particular the OECD and the WHO**

2014

EXPERT
GROUP ON
HEALTH
SYSTEMS
PERFORMANCE
ASSESSMENT
(HSPA)

A survey was sent out to identify priority areas





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EUROPEAN HEALTH INFORMATION: SVILUPPI

novembre / 2016
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2014



BRIdging Information and Data Generation for
Evidence-based Health Policy and Research



This project is funded by
the Health Programme of
the European Union

AIM

To create a European health information (EU-HI) and data generation networks covering major EU health policy areas

To work towards:

- ❖ comprehensive, integrated and sustainable EU-HI
- ❖ supporting evidence-based health policy and research for the EU and Member States
- ❖ providing blueprints and/or concepts of building blocks for a future EU-HI research infrastructure consortium (ERIC-HI)



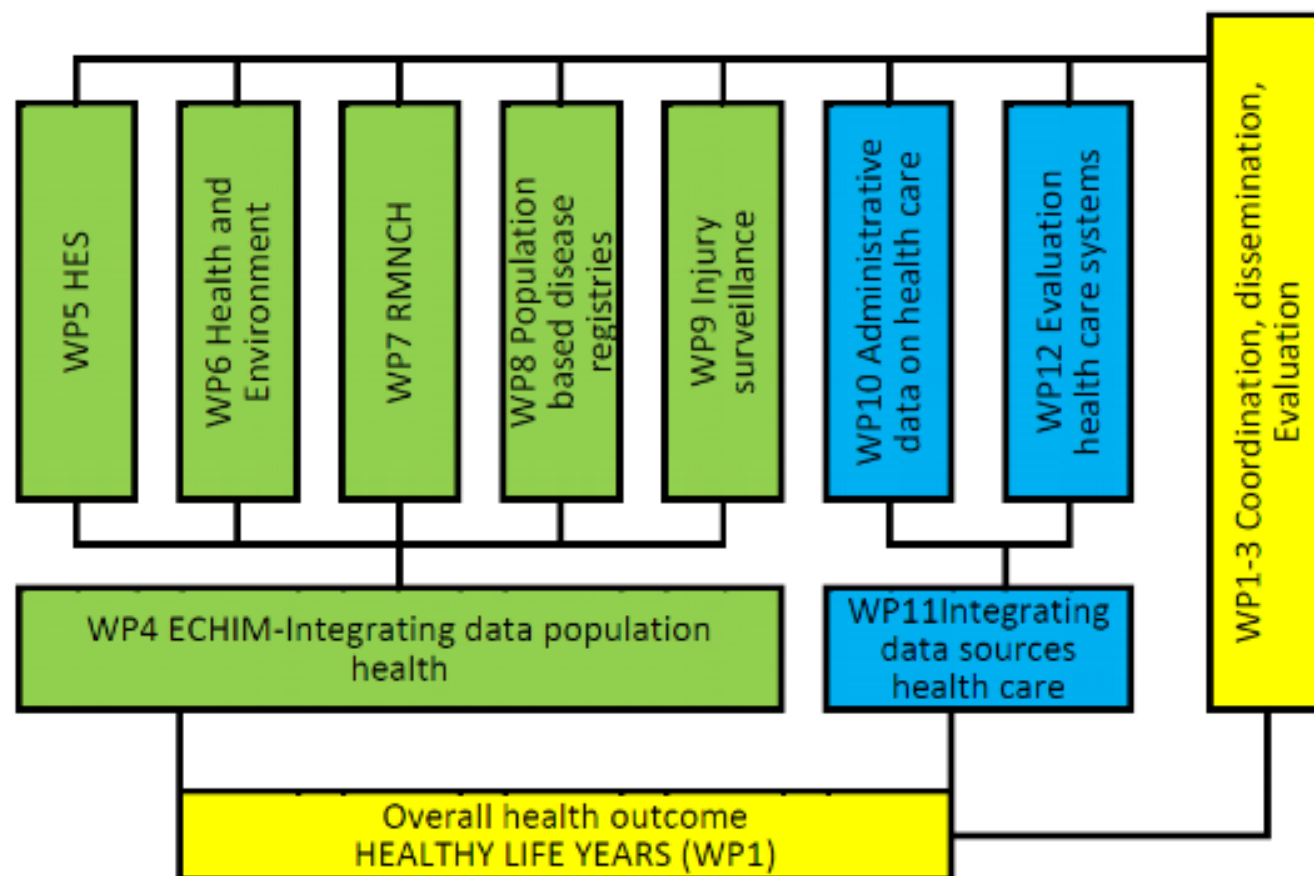
European Projects associated to BRIDGE Health



- Child health research strategy (RICHE)
- Consortium to Perform Human Biomonitoring on a European Scale (COPHES)
- Developing a Child Cohort Research Strategy for Europe (CHICOS)
- Environmental Health Risk in European Birth Cohorts (ENRIECO)
- EuroHOPE
- European Best Information through Regional Outcomes in Diabetes (EUBIROD)
- European Collaborative for Healthcare Optimization (ECHO)
- European Cardiovascular Indicators Surveillance Set (EUROCISS)
- European Community Health Indicators Monitoring (ECHIM)
- European Health Examination Survey (EHES)
- European Life and Health Expectancy Information System (EHLEIS)
- Euro-peristat
- EuroREACH A Handbook to Access Health Care Data for Cross-country Comparisons of Efficiency and Quality (EUROREACH)

WP	WP Title	Beneficiary
WP1	Coordination of the project	WIP-ISP
WP2	Dissemination of the project	INSERM
WP3	Evaluation of the project	WIP-ISP
WP4	European Core Health Indicators Monitoring	RKI
WP5	Harmonized population based health examination survey	THL
WP6	Impacts of environmental chemicals on health	BIPRO GMBH
WP7	Reproductive, maternal, newborn, child, adolescents	NIPH
WP8	Platform for population based registries	ISS-Tor Vergata- Surrey
WP9	Platform for Injury Surveillance	SU
WP10	Building a Platform for administrative data on health care	IACS
WP11	Integration of approaches into a comprehensive EU information system for health and health care monitoring and reporting	THL
WP12	Evaluation of health care system	HSI

Structure BRIDGE Health



Horizontal activities

Horizontal challenges

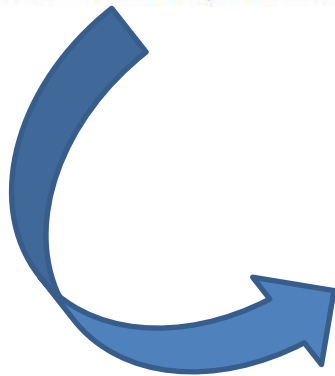
- 1) Transferability of health information and data for policy
- 2) Health information inequality within the EU and within MS
- 3) Information at regional level (ECHI indicators, health inequalities) and for specific population groups
- 4) Standardisation methods of the collection and exchange of health information
- 5) Data quality methods including internal and external validation of indicators
- 6) Priority setting methods in health information
- 7) Ethical and legal issues in health information



ERIC - European Research Infrastructure Consortium (*Council Regulation (EC) No 723/2009 of 25 June 2009*)

- A legal instrument at EU level, to facilitate the joint establishment and operation of RI of European interest.
 - **Legal personality** recognized in all Member States
 - **Qualifies as an international organization for the purposes of VAT** (exemption under certain limits and conditions from VAT and excise duties) and **Public Procurement Directives**





Progetto CCM (1/4/2016)
**Creazione e sviluppo del network
italiano a supporto del progetto europeo
BRIDGE- Health**

**OBIETTIVO: dare strutturazione e
sostenibilità alle attività europee nel
campo della “Health Information**

Progetto CCM (1/4/2016)



Obiettivo generale: potenziare le attività previste nell'ambito del progetto BRIDGE-Health, in particolare

- assicurare la trasferibilità a livello nazionale delle raccomandazioni e dei suggerimenti del progetto BRIDGE-Health
- migliorare la qualità e l'utilizzo degli indicatori di frequenza di malattia e di performance dell'assistenza sanitaria
- stabilire priorità e trattare problemi etici e legali dovuti alla raccolta e all'utilizzo di dati sanitari
- Valutare la possibilità di creare un sistema integrato e sostenibile di HI, come proposta di infrastruttura nazionale



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RWD E VALUTAZIONE DELL'ASSISTENZA: GLI STRUMENTI

novembre / 2016
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Grazie per l'attenzione

Heviolo



Situazione europea complessa, ma comunque
in evoluzione Avvicinamento alla agenda e
priorità europee Necessità di coordinamento
nazionale Divisione del lavoro e networking
Comunicazione esterna



EUROPEAN HEALTH INFORMATION SYSTEM

an integrated effort to collect, process, analyse, report, communicate and use health information and knowledge to influence policy and decision-making, programme action, individual and public health outcomes, and research.

World Health Organization (2003) The World Health Report 2003 - Shaping the Future. WHO; Geneva.

ERIC - European Research Infrastructure Consortium (*Council Regulation (EC) No 723/2009 of 25 June 2009*)



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HORIZON 2020



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EUROPEAN HEALTH INFORMATION

novembre / 2016

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This project is funded by
the Health Programme of
the European Union



VALUTAZIONE

assegnazione di un valore ad una entità di cui si debba tenere conto ai fini di un giudizio o di una decisione, di una classifica o graduatoria (Vocabolario Treccani)



The European Health Information Initiative is committed to improving the evidence on which policy is based and ultimately to creating a single health information system for Europe.