Healthcare services in Europe

Version

0.9.14 (15/12/2023) - Addition of 2020 data for Malta. Correction on Cyprus data.

1.0.0 (03/07/2024) - Dataset Update for 2023

General description

This dataset is an integration of Member States official data on the location of healthcare services. Additional information on these services is included when available (see **attributes** below).

Various data sources are available in Member States with different quality criteria: level of detail, timeliness, update frequency, etc. The adopted approach aims to progressively build pan-European datasets from Member States official data sources. Different data sources were selected with a priority on governmental sources such as health ministries or other official public organisations. Data is semantically harmonised with a common (simple) schema. Production relies on automated processes: Member State data are retrieved, harmonised, combined and updated automatically, as far as possible.

The dataset contains information on main healthcare services considered to be 'hospitals' by Member States. The definition varies slightly from country to country, but roughly includes the following:"'*Hospitals*' *comprises licensed establishments primarily engaged in providing medical, diagnostic, and treatment services that include physician, nursing, and other health services to in-patients and the specialised accommodation services required by inpatients. Hospitals may also provide out-patient services as a secondary activity. Hospitals provide in-patient health services, many of which can only be provided using the specialised facilities and equipment that form a significant and integral part of the production process. In some countries, health facilities need in addition a minimum size (such as number of beds) in order to be registered as a hospital.*"[2] In some cases, facilities without in-patient services may be included.

Contribution

Data provided may contain inconsistencies or inaccuracies. If you would like to contribute by suggesting alternative data sources or notice any issues, please contact Eurostat user support.

Attributes

Attribute	Datatype	Description
id	text	The healthcare service identifier. This identifier is based on national identification codes, if it exists.
hospital_name	text	The name of the healthcare institution.
site_name	text	The name of the specific site or branch of a healthcare institution.
lat	double	Latitude (WGS 84).
lon	double	Longitude (WGS 84).
street	text	Street name.
house_number	text	House number.
postcode	text	Postcode.
address	text	Address information when the different components of the address are not separated in the source
city	text	City name (Sometimes refers to a region or municipality).
cntr_id	text	Country code (2 letters, ISO 3166-1 alpha-2).

emergency	text	'yes/no' for whether the healthcare site provides emergency medical services.
cap_beds	int	Measure of capacity by number of beds (most common).
cap_prac	int	Measure of capacity by number of practitioners.
cap_rooms	int	Measure of capacity by number of rooms.
facility_type	text	If the healthcare service provides a specific type of care e.g. Psychiatric hospital. This type is based on the national classification.
public_private	text	'public/private' status of the healthcare service.
list_specs	text (with ' | ' delim)	List of specialties recognized in the European Union and European Economic Area according to the 2005 EU Directive (See Annex V)[3]
tel	text	Telephone number.
email	text	Email address.
url	text	URL link to the institution's website.
ref_date	date	The reference date (DD/MM/YYYY) the data refers to. The dataset represents the reality as it was at this date.
pub_date	date	The publication date of the dataset by Eurostat (DD/MM/YYYY). This should be used to track when this Eurostat dataset has changed.
geo_qual	int	A quality indicator for the geolocation. 1: Good, 2: Medium, 3: Low, 4: From source, -1: Unknown, -2 : Not geocoded
comments	text	Some additional information on the healthcare service.

Geometrical representation and coordinate reference system

The locations are represented as point geometries with geographical coordinates (longitude, latitude) in WGS84 (EPSG:4326).

The position of a healthcare service is sometimes computed automatically from its postal address, using geocoding. This position might thus be inaccurate. The attribute *geo_qual* documents the confidence level of this positioning.

Geographical extent

EU and neighboring countries. The countries covered are listed in the table below ('Data sources' section) and on this page.

Data sources and reference date

Country	Version	Data source	Reference date	Update frequency	License	URL (if applicable)
AT	2020	Ministry of Health	2020	Quarterly	TBD	https://www.sozialministerium.at/Themen/Gesundheit/Gesundheitssystem/Krankenanstalten/Krankenanstalten-und-selbststaendige-Ambulatorien-in-Oesterreich/Krankenanstalten-in-Oesterreich.html
	2023		10/2023			
BE	2020	Santé publique, Sécurité de la Chaîne alimentaire et Environnement (SPF)	2020	As needed	TBD	https://www.health.belgium.be/fr/sante/organisation-des-soins-de-sante/partage-de-donnees-de-sante/institutions-de-soins
	2023		09/2023			

BG	2020	National Statistical Institute, "Health and Justice Statistics"	2012-2013 (TBC)	Not stated	TBD	
	2023		12/2022			
CY	2020	Nr. of Beds: Ministry of Health Facilities: Statistical Service of Cyprus (CYSTAT)	2017 2020	Not stated	TBD	https://www.mof.gov.cy/mof/cystat/statistics.nsf/populationcondition_23main_en/populationcondition_23main_en?OpenForm&sub=3&sel=2 (*Health and Hospital Statistics 2017)*
	2023	Υπουργείο Υγείας	03/2018			https://www.data.gov.cy/el/dataset/katalogos-kratikon-nosokomeion-kyproy
CZ	2020	Národní registr poskytovatelů zdravotních služeb (National register of health service providers)	04/2020	Monthly	TBD	https://nrpzs.uzis.cz/index.php?pg=home--download (broken link)
	2023		09/2023			
DK	2020	Ministry of Health and Retirement	01/2018	Not stated	TBD	https://www.ft.dk/samling/20191/almdel/suu/spm/235/svar/1617660/2122710.pdf
	2023	Sundhed				https://www.sundhed.dk/borger/guides/find-behandler/
DE	2020					
	2023	BundeSamt für Kartographie und Geodäsie	12/2021	Annual	TBD	TBD
EE	2020	Estonian Health Board	2015	Not stated	TBD	http://mveeb.sm.ee/avaandmed/?
	2023	Eesti avaandmed				https://avaandmed.eesti.ee/
EL	2020	Ministry of Health	Not Stated	Not stated	TBD	https://www.moh.gov.gr/articles/citizen/xrhsima-thlefwna-amp-dieythynseis/75-nosokomeia-ana-ygeionomikh-perifereia
	2023					
ES	2020	National Hospital Catalog	12/2018	Annual	TBD	https://www.sanidad.gob.es/ciudadanos/prestaciones/centrosServiciosSNS/hospitales/
	2023		12/2022			
FI	2020	Finnish Institute for Health and Welfare	2019	Not stated	TBD	https://thl.fi/fi/tilastot-ja-data/ohjeet-tietojen-toimittamiseen/hoitoilmoitusjarjestelma-hilmo/toimipaikkarekisteri-topi/topi-haku
	2023		09/2023			
FR	2020	Ministère des Solidarités et de la santé	03/2020	Bi-monthly	Open Licence	https://www.data.gouv.fr/en/datasets/finess-extraction-du-fichier-des-etablissements/
	2023		09/2023			
HR	2020	Ministry of Health	09/2017	Not stated	TBD	http://www.data.gov.hr/dataset/adresar-zdravstvenih-ustanova-privatnih-praksi
	2023		12/2020			
HU	2020	Nemzeti Egészségbiztosítási	02/2020	Monthly	TBD	http://www.neak.gov.hu/pfile/file?path=/letoltheto/altfin_dok/altfin_virt_dok2/publikus_adatok_gyme/fin_adatok_szolg/gyogyito-megelozo-ellatasok-

	2023	Alapkezelő	08/2023			finanszirozasi-adatai-2023.&inline=true
IE	2020	Health Service Executive - Health Atlas Ireland	03/2020	Not stated	TBD	https://www.hse.ie/eng/services/maps/
	2023	GeoHive	04/2020	Not stated	Terms of Use (geohive.ie)	Hospitals - HSE Ireland | Hospitals - HSE Ireland | GeoHive Hub
IT	2020	Ministero della Salute	2020	Annual	Italian Open Data Licence v2.0	http://www.dati.salute.gov.it/dati/dettaglioDataset.jsp?menu=dati&idPag=2
	2023		03/2023			https://www.dati.salute.gov.it/dati/dettaglioDataset.jsp?menu=dati&idPag=153
LT	2020	Institute of Hygiene Lithuania	End 2018	Annual	TBD	http://www.hi.lt/uploads/pdf/statistika/fondas/A6_macro.xlsm
	2023		12/2022			
LU		Ministry of Health	2019	Bi-annual	TBD	https://sante.public.lu/fr/politique-sante/systeme/organisation/hopitaux/2019-05-liste-hopitaux.pdf
			2021			https://sante.public.lu/dam-assets/fr/politique-sante/systeme/organisation/hopitaux/liste-hopitaux.pdf
LV	2020	The National Health Service of the Republic of Latvia	2019	Not stated	TBD	http://www.vmnvd.gov.lv/lv/veselibas-aprupes-pakalpojumi/slimnicas/slimnicu-saraksts http://www.vmnvd.gov.lv/lv/veselibas-aprupes-pakalpojumi/954-slimnicu-uznemsanas-nodalas http://www.vmnvd.gov.lv/lv/veselibas-aprupes-pakalpojumi/steidzamas-mediciniskas-palidzibas-punkti
	2023	Nacionālais veselības dienests	06/2023			https://www.vmnvd.gov.lv/lv/slimnicu-uznemsanas-nodalas
MT	2020	Ministry of Health	Not stated	Not stated	TBD	https://deputyprimeminister.gov.mt/en/dhir/Pages/Registries/hospitalstatistics.aspx
	2023	Ministeru Għas-Saħħa U L-Anzjanità Attiva				https://healthservices.gov.mt/en/hcs/Pages/licensed-establishments/hospitals.aspx
NL	2020	Volksgezondheidenzorg.info	2019	Annual	TBD	https://www.volksgezondheidenzorg.info/sites/default/files/ziekenhuizen2019_rivm.xlsx
	2023	Rijksinstituut voor Volksgezondheid en Milieu	01/2023		Open Data	https://www.vzinfo.nl/documenten/ziekenhuislocaties-2023
PL	2020	Center of health information systems (CSIOZ)	03/2020	Continuous	TBD	https://dane.gov.pl/pl/dataset/1642,ewidencja-szpitalnych-oddziaow-ratunkowych-centrow-urazowych-centrow-urazowych-dla-dzieci-i-jednostek-organizacyjnych-szpitali-udzielajacych-swiadczen-w-zakresie-ratownictwa-medycznego
	2023	Centrum e-Zdrowia	05/2021			
PT	2020	Administração Central do Sistema de Saúde (ACSS)	12/2019	Not stated	TBD	https://dados.gov.pt/pt/datasets/caracterizacao-das-valencias-de-urgencia/
	2023		02/2023			
RO	2020	Ministerul Sănătății	Not stated	Not stated	TBD	http://infrastructura-sanatate.ms.ro/spitale/harta1

	2023					https://ms.ro/en/sanitary-facilities/
SE	2020	Sveriges Kommuner och Regioner (SALAR)	2018	Annual	TBD	https://skr.se/ekonomijuridikstatistik/statistik/ekonomiochverksamhetsstatistik.1342.html
	2023		01/2024	Not stated	TBD	
SI	2020	National Institute of Public Health (NIJZ)	03/2020	Monthly	TBD	https://www.nijz.si/sl/mesecni-izvlecki-iz-evidence-gibanja-zdravstvenih-delavcev-in-mreze-zdravstvenih-zavodov-rizddz
	2023		08/2023			
SK	2020	ZDRAVOTNICTVA SLOVENSKEJ REPUBLIKY	Not Stated	Not stated	TBD	https://www.health.gov.sk/?zdravotnicke-zariadenia
	2023		10/2023			
AL	2023	Ministria e Shëndetësisë dhe Mbrojtjes Sociale	02/2019	Not stated	TBD	https://opendata.gov.al/?item=qendra-shendetesore
CH	2020	Federal Office of Public Health	2017	Annual	TBD	https://www.bag.admin.ch/bag/de/home/zahlen-und-statistiken/zahlen-fakten-zu-spitaelern/kennzahlen-der-schweizer-spitaeler.html
	2023		08/2023			https://www.bag.admin.ch/bag/fr/home/zahlen-und-statistiken/zahlen-fakten-zu-spitaelern/kennzahlen-der-schweizer-spitaeler.html
IS						
LI						
ME	2023	Government of Montenegro	31/05/2023			https://www.gov.me/en/vlada-crne-gore/health
MK						
NO	2020	Helsenorge	01/2020	Continuous	TBD	https://helsenorge.no/velg-behandlingssted/behandlingssteder-som-rapporterer-ventetider
	2023		01/2024			|https://tjenester.helsenorge.no/velg-behandlingssted
RS	2023	Institut za javno zdravlje Srbije Institute for Public Health of Serbia	29/03/2024		TBD	

Update Frequency

The dataset is updated regularly as data coverage improves. It is planned to update it every three years.

Download service

Eurostat website download page: https://ec.europa.eu/eurostat/web/gisco/geodata/basic-services#Healthcare

Download space: https://gisco-services.ec.europa.eu/pub/healthcare/

API: https://gisco-services.ec.europa.eu/pub/healthcare/**<year>**/**<format>**/**<geo_code>**.**<format>** where **year** is year of the version on 4 digit, ***format*** is the encoding format among {'*csv*', '*geojson*', '*gpkg*'} and **geo_code** is the 2 letters country code, or 'EU' to retrieve all data.

Encoding

The data is encoded in CSV, GeoPackage or GeoJSON formats. For a conversion in other GIS formats, you could use GDAL.
The character encoding is UTF-8.

License

See the licensing conditions for every individual country in the table above, on the website of the provider.

Quality assurance - validation

On a random sample from 397 hospitals, 6% presents a position error of more than 500m and 3.5% presents a position error greater than 1500m