

Dentists

Definitions

Updated: September 2021

<p>Practising dentists (ISCO-08 code: 2261)</p>	<p>Practising dentists provide services for patients. They include stomatologists, dental and maxillofacial surgeons.</p> <p>Inclusion</p> <ul style="list-style-type: none">- Practising dentists who have completed studies in dentistry / stomatology at university level (granted by an adequate diploma) and who are licensed to practice- Interns (with an adequate diploma and providing services under supervision of other dentists or dental specialists during their postgraduate internship in a health care facility)- Salaried and self-employed dentists delivering services irrespectively of the place of service provision- Foreign dentists licensed to practice and actively practising in the country- Stomatologists- Dental surgeons- Maxillofacial surgeons <p>Exclusion</p> <ul style="list-style-type: none">- Students who have not yet graduated- Dentists working in administration, research and in other posts that exclude direct contact with the patients- Unemployed dentists and retired dentists- Dentists working abroad <p>Note: The number should be at the end of the calendar year.</p>
<p>Professionally active dentists</p>	<p>Professionally active dentists are practising dentists and other dentists for whom their education in dentistry / stomatology is a prerequisite for the execution of the job.</p> <p>Inclusion</p> <ul style="list-style-type: none">- Dentists who provide services for patients- Dentists working in administration and management positions requiring education in dentistry- Dentists conducting research into oral health and dental care- Dentists who participate in public action to maintain or improve standards of oral health and dental care- Dentists preparing scientific papers and reports <p>Exclusion</p> <ul style="list-style-type: none">- Dentists who hold a post/job for which education in dentistry is not required- Unemployed dentists and retired dentists- Dentists working abroad <p>Note: The number should be at the end of the calendar year.</p>

Dentists licensed to practice	<p>Dentists licensed to practice include practising and other (non-practising) dentists, who are registered and entitled to practice as health care professionals in the field of dentistry. They include stomatologists, dental and maxillofacial surgeons.</p> <p>Inclusion</p> <ul style="list-style-type: none"> - Dentists who provide services for patients - Other dentists for whom their education in dentistry / stomatology is a prerequisite for the execution of the job - Other dentists for whom their education in dentistry / stomatology is NOT a prerequisite for the execution of the job - Dentists registered as health care professionals and licensed to practice but who are not economically active (e.g. unemployed or retired) - Dentists working abroad <p>Note: The number should be at the end of the calendar year.</p>
Dentists at regional level	<p>Number of practising dentists at regional (NUTS2) level according to the place (region) where the health care service is provided.</p>
<p>This data collection was discontinued in 2017 (reference year 2015)</p>	

In the context of comparing health care services across Member States, Eurostat gives preference to the concept 'practising', as it best describes the availability of health care resources. The detailed definitions are available in [CIRCBC](#).

Country specific notes

[Belgium](#), [Bulgaria](#), [Czechia](#), [Denmark](#), [Germany](#), [Estonia](#), [Ireland](#), [Greece](#), [Spain](#), [France](#), [Croatia](#), [Italy](#), [Cyprus](#), [Latvia](#), [Lithuania](#), [Luxembourg](#), [Hungary](#), [Malta](#), [Netherlands](#), [Austria](#), [Poland](#), [Portugal](#), [Romania](#), [Slovenia](#), [Slovakia](#), [Finland](#), [Sweden](#), [Iceland](#), [Liechtenstein](#), [Norway](#), [Switzerland](#), [Montenegro](#), [North Macedonia](#), [Albania](#), [Serbia](#), [Turkey](#), [United Kingdom](#)

Belgium

Practising dentists (ISCO-08 code: 2261)

Source of data: CTI – INAMI.

Reference period: 31st December.

Break in time series:

- Data from 2000: Number of dentists with a minimal volume of patient contacts, excluding non-practising dentists, retired professionals and professionals working abroad. Stomatologists are included in the number of physicians.
- 1985-1999 data: Number of dentists who carried out at least one reimbursed medical act during the year.

Professionally active dentists

Data not available.

Dentists licensed to practice

Source of data:

- **SPF Santé publique, sécurité de la chaîne alimentaire et de l'environnement**, DG2 Soins de Santé primaires et gestion de crises - **FOD Volksgezondheid, Veiligheid van de Voedselketen en Leefmilieu**, DG2 Basisgezondheidszorg en Crisisbeheer. Cellule Planification des professionnels de santé - Cel planning Gezondheidsberoepen. Base de données fédérale des professionnels de soins de santé - Federale databank van de beoefenaars van de gezondheidszorgberoepen.

Further information: www.health.fgov.be.

Reference period: 31st December.

Coverage: Complete.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: Institut National d'Assurance Maladie Invalidité. "Rapport Annuel".

Reference period: 31st December

Break in series: 2000. Change in definition applied; with minimum activity levels (more than one reimbursed act)

Bulgaria

Practising dentists (ISCO-08 code: 2261)

Source of data: **National Statistical Institute**, Exhaustive annual survey.

Reference period: 31st December.

Metadata information: All dentists and maxillo-facial surgeons who worked on a basic labour contract in outpatient and inpatient establishments, as well as those who practice in other health establishments - centres for emergency medical care, centres for transfusion haematology, homes for medical and social care for children, Hygiene-epidemiological inspections and others.

On 01.07.2000, Bulgaria started its Healthcare Reform and financing of curative medical and dental care by the National Health Insurance Fund came into force. Recovery of the private practice gave an opportunity to dentists to practice in individual and group practices for dental care.

Break in time series: 2000.

2010-2017 data for practicing dentists are revised in accordance with the methodological amendments from 2018.

Break in time series:

Since 2010, there is a break in time series in respect to:

- the territorial distribution of physicians and dentists, working in practices under a contract with the NHIF. Medical practitioners working in practices that serve more than one municipality or district are included in the total number but not distributed by municipalities or by district.

- physicians working in specialized practices under a contract with the NHIF are allocated to the specialty they are practiced. Those who practice more than one specialty are included in the total but not allocated by specialty.

The methodological amendments has been made in order to avoid double counting.

Professionally active dentists

Source of data: **Bulgarian Dental Association**, Register.

Reference period: 31st December

Coverage: According to the national legislation all dentists who are professionally active in Bulgaria have to be included in the Register at the Bulgarian Dental Association.

Remark: 2018 data are revised due to technical error.

Dentists licensed to practice

Data not available

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: National Statistical Institute, Exhaustive annual survey

Reference period: 31st December

Coverage: All dentists (head counts) as of 31.12. who worked on a basic labour contract in outpatient and inpatient establishments, as well as those who practice in other health establishments - centres for emergency medical care, centres for transfusion haematology, homes for medical and social care for children, Hygiene-epidemiological inspections and others.

Data for dentists from health establishments attached to other ministries are not included in the distribution by statistical regions. That is why the national total is bigger than the sum of regions. On 01.07.2000, Bulgaria started its Healthcare Reform and financing of curative medical and dental care by the National Health Insurance Fund came into force. Recovery of the private practice gave an opportunity to dentists to practice in individual and group practices for dental care.

Break in time series: 2000.

2014 data are revised due to technical error (Physicians with maxillo-facial surgery speciality are included).

Czechia

Practising dentists (ISCO-08 code: 2261)

Source of data:

- Up to 2013: **Institute of Health Information and Statistics of the Czech Republic**; Registry of Physicians, Dentists and Pharmacists.
- Since 2014: **Institute of Health Information and Statistics of the Czech Republic**; National Health Information System (Annual report on health personnel).

Reference period: 31st December.

Coverage:

- Until 1999, dentists working in other central organs not included. Since the year 2000, data cover dentists in all health services.
- In 2014, complete data are not available. Estimate is calculated from available data for 2014 and data from 2013.
- Double counting of dentists working in more than one health or social establishment.
- A new type of statistical survey and improvement of reporting units started in 2016.

Break in time series: 2000, 2014 and 2016.

Professionally active dentists

Data not available.

Dentists licensed to practice

Data not available.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: Institute of Health Information and Statistics of the Czech Republic. Registry of Physicians, Dentists and Pharmacists.

In 2014, Institute of Health Information and Statistics of the Czech Republic; National Health Information System (Annual report on health personnel).

Reference period: 31st December.

Coverage:

- Concept used: Practising dentists.
- In 2014, complete data are not available. Estimate is calculated from available data for 2014 and data from 2013.
- Double counting of caring personnel working in more than one health or social establishment.

Break in the series: 2000.

Denmark

Practising dentists (ISCO-08 code: 2261)

Source of data: **The Danish Health Authority**, Labour Register for Health Personnel.

Reference period: 31st December.

Coverage:

- The term of dentist covers all persons qualified as a dentist with or without authorization to practice independently in the country.

Professionally active dentists

Source of data: **The Danish Health Authority**, Labour Register for Health Personnel.

Reference period: 31st December.

Coverage:

- The term of dentist covers all persons qualified as a dentist with or without authorization to practice independently in the country.
- Dentists whose status in the Central Personnel Register is active, i.e. in the country (not dead or abroad); connected to HP1, HP2 or HP3 as either a) employed, b) employed, being on leave or c) employed, receiving sickness benefit.

Dentists licensed to practice

Source of data: **The Danish Health Authority**, Labour Register for Health Personnel.

Reference period: 31st December.

Coverage:

- The term of dentist covers all persons qualified as a dentist with or without authorization to practice independently in the country.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data: The Danish Health Authority, Labour Register for Health Personnel

Reference period: 31st December

Germany

Practising dentists (ISCO-08 code: 2261)

Source of data: **German Dental Association**, Membership statistics of the dental chambers and **German Medical Association**, Medical practitioner statistics; special calculation by the Federal Statistical Office on base of data from the German Dental Association and the German Medical Association; <http://www.gbe-bund.de> or <http://www.bzaek.de> or <http://www.baek.de>.

Reference period: 31st December.

Coverage:

- Data contain the number of dentists that are actively practising in dental care and provide services directly to patients in dental offices (head-count data).
- The data exclude qualified dentists working abroad or working in administration, research and industry positions.
- Unemployed and retired dentists and students who have not yet graduated are also not included.
- The number of dentists includes those undergoing further training for specialisation and physicians with specialty "dental, oral and maxillofacial surgery".

Professionally active dentists

Source of data: **German Dental Association**, Membership statistics of the dental chambers and **German Medical Association**, Medical practitioner statistics; special calculation by the Federal Statistical Office on base of data from the German Dental Association and the German Medical Association; <http://www.gbe-bund.de> or <http://www.bzaek.de> or <http://www.baek.de>.

Reference period: 31st December.

Coverage:

- Included are practising dentists and dentists who are involved in research or who work in their capacity as a dentist in industry or administrative bodies (head-count data).

- The data exclude qualified dentists working abroad, unemployed and retired dentists and students who have not yet graduated.
- The number of dentists includes those undergoing further training for specialisation and physicians with specialty “dental, oral and maxillofacial surgery”.

Dentists licensed to practice

Source of data: **German Dental Association**, Membership statistics of the dental chambers and **German Medical Association**, Medical practitioner statistics; special calculation by the Federal Statistical Office on base of data from the German Dental Association and the German Medical Association; <http://www.gbe-bund.de> or <http://www.bzaek.de> or <http://www.baek.de>.

Reference period: 31st December.

Coverage:

- The number of registered dentists licensed to practice includes all practising and non-practising dentists licensed to practice (head-count data).
- Included are practising dentists, dentists working outside health services, e.g. employed in industry or administrative bodies, dentists working abroad and unemployed and retired dentists.
- The number of registered dentists excludes students who have not yet graduated.
- The number of dentists includes those undergoing further training for specialisation and physicians with specialty “dental, oral and maxillofacial surgery”.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data: German Dental Association, Membership statistics of the dental chambers and German Medical Association, Medical practitioner statistics; special calculation by the Federal Statistical Office on base of data from the German Dental Association and the German Medical Association; <http://www.gbe-bund.de> or <http://www.bzaek.de> or <http://www.baek.de>.

Reference period: 31st December.

Coverage:

- Data contain the number of dentists that are actively practising in dental care and provide services directly to patients in dental offices (head-count data).
- The data exclude qualified dentists working abroad or working in administration, research and industry positions.
- Unemployed and retired dentists and students who have not yet graduated are also not included.
- The number of dentists includes those undergoing further training for specialisation and physicians with specialty “dental, oral and maxillofacial surgery”.

Estonia

Practising dentists (ISCO-08 code: 2261)

Source of data:

- Annual reports, **National Institute for Health Development**, Department of Health Statistics. https://statistika.tai.ee/pxweb/en/Andmebaas/Andmebaas_04THressursid_05Tootajad/?tablelist=true.
- 1980-2002 published by **Statistics Estonia**, interns included (https://andmed.stat.ee/en/stat/Lepetatud_tabelid_Sotsiaalelu.%20Arhiiv_Tervis.%20%20Arhiiv_tervishoiuasutused/TH05).

Reference period:

- 1980-2012: 31st of December.

- Since 2013: November.

Break in the series: 1991, 2005 and 2013.

- Until 1990, in addition to health personnel employed in the system of the Ministry of Health, the data include the personnel who worked in health care institutions of the Estonian Railway, Estonian Airway and those belonging to the closed establishments of the Soviet Union.

- The total number of physicians from the year 1991 includes only the data of the Ministry of Health and the Estonian Railway.

- Until 2004, the data of practising dentists were based on their educational qualifications.

- From 2005, the head count distribution is made according to their main occupational activity.

- The data collection methodology was changed in 2013. Aggregated data collection was replaced with data collection on a personal basis. From 2013, the predominant (main) area of practice is based on an occupation with the highest workload.

Note: The data series for "Practising dentists" 2013-2015 was updated in 2018 after data revision.

Professionally active dentists

Data not available.

Dentists licensed to practice

Source of data: Registry of Health Care Professionals, **Health Care Board**.

Reference period: January of the following year.

Coverage: The number of licensed dentists covers overall potential, not persons by the last obtained specialty.

Ireland

Practising dentists (ISCO-08 code: 2261)

Data not available.

Professionally active dentists

Data not available.

Dentists licensed to practice

Source of data: **Dental Council of Ireland**.

Reference period: 31st December.

Coverage:

- Figures refer to all persons registered with the Dental Council of Ireland. They may include some dentists not in activity.

- The following are included: dentists employed in private practice, dentists employed in medical research, dentists employed in public and private hospitals, foreign dentists registered in Ireland and some Irish dentists living/working abroad.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data: Dental Council

Reference period: 31st December

Deviation from the definition: Data refer to licensed to practice.

Coverage:

- Figures refer to all persons registered with the Dental Council of Ireland. They may include some dentists not in activity.
- The following are included: dentists employed in private practice; dentists employed in medical research; dentists employed in public and private hospitals; foreign dentists registered in Ireland and some Irish dentists living/working abroad.

Greece

Practising dentists (ISCO-08 code: 2261)

Data not available. It is not feasible to separate unemployed dentists from the available data. For this reason, only data for dentists licensed to practice are provided.

Professionally active dentists

Data not available. It is not feasible to separate unemployed dentists from the available data. For this reason, only data for dentists licensed to practice are provided.

Dentists licensed to practice

Source of data: **Hygiene Divisions and Sections** attached to prefectures, **Athens Medical Association** and **Pireas Medical Association**. Annual Doctors and Dentists survey, <http://www.statistics.gr/el/statistics/-/publication/SHE09/>.

Reference period: 31st December.

Deviation from the definition: Retired and working abroad dentists are not included.

Coverage: Unemployed dentists are included.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data: Hygiene Divisions and Sections attached to prefectures, Athens Medical Association, Pireas Medical Association; Annual Doctors and Dentists survey.

<http://www.statistics.gr/el/statistics/-/publication/SHE09/>

Reference period: 31st December.

Coverage: The coverage is complete at regional level.

Deviation from the definition: Data refers to licensed dentists. Unemployed dentists are included.

Data for professionally active or practising dentists are not available. Retired and working abroad dentists are excluded.

Spain

Practising dentists (ISCO-08 code: 2261)

Data not available. (Data based on Economically Active Population Survey and referring to CNO-11 codes at 4-digit level (Spanish equivalence of ISCO-08) are not available.)

- Up to 2010: Practising dentists are included in the number of practising physicians at 3 digit level of the National Occupations Classification (CNO-94), the Spanish equivalence of ISCO-88 in the Economically Active Population Survey.

(Data are available for the total number of dentists licensed to practice.)

Professionally active dentists

Data not available. (Data based on Economically Active Population Survey and referring to CNO-11 codes at 4-digit level (Spanish equivalence of ISCO-08) are not available.)

- Up to 2010: professionally active dentists are included in the number of professionally active physicians at 3-digit level of the National Occupations Classification (CNO-94), the Spanish equivalence of ISCO-88, in the Economically Active Population Survey.

Dentists licensed to practice

Source of data: **National Statistics Institute (INE)**, from the **Register of Stomatologists and Odontologists Council**.

https://www.ine.es/dyngs/INEbase/es/operacion.htm?c=Estadistica_C&cid=1254736176781&menu=ultiDatos&idp=1254735573175.

Reference period: Data as of December 31.

Coverage:

- Data include all dentists "entitled to practice" registered in the Council of Stomatologists and Odontologists.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: National Statistics Institute from Register of Odontologists and Stomatologists Council. <http://www.ine.es/jaxi/menu.do?type=pcaxis&path=/t15/p416&file=inebase&L=0>.

Reference period: data as of December 31.

Deviation from the definition: Data refer to licensed to practice. They may include some dentists who are not economically active (unemployed, retired).

Estimation method: Data based on Economically Active Population Survey and referred to CNO-11 codes at 4-digit level (Spanish equivalence of ISCO-08) are not available. From 1995 to 2010, dentists are integrated with physicians and it is not possible to estimate "practising dentists" or "professionally active" dentists separately.

France

Practising dentists (ISCO-08 code: 2261)

Source of data: **ASIP- RPPS (Répertoire Partagé des Professionnels de Santé)**.

<http://esante.gouv.fr/espace-cps/editeurs/le-rpps>.

Reference period: 31st December.

Coverage:

- Data refer to metropolitan France and D.O.M. (overseas departments).
- Data cover only dentists providing direct care to patients.

Professionally active dentists

Source of data: **Ministère des Solidarités et de la Santé - Direction de la Recherche, des Études, de l'Évaluation et des Statistiques (DREES)**, Sous-Direction de l'Observation de la Santé et de l'Assurance maladie, Bureau des Professions de santé.

- Until 2010 (01/01/2011): Répertoire ADELI (DREES).

- From 2011 (01/01/2012): RPPS (Répertoire partagé des professionnels de santé), ASIP-SANTE RPPS.

Coverage:

- Data refer to metropolitan France and D.O.M. (overseas departments).
 - Data cover practising dentists and also the following categories: dentists employed in the pharmaceutical industry, dentists employed in odontological research, dentists employed in firms or government departments and dentists practising as dental surgeons. They do not include dentistry students undergoing initial training or physicians who are specialists in stomatology or who are undergoing specialist training. They include dentists who specialize in neo-facial orthopaedics or who are in the process of specialising.
 - All public and private hospitals, private clinics and teaching establishments are covered.
- Break in time series: In 2011, there is a break in the series due to the change in the data source (ADELI before 2011, RPPS since 2011).

Dentists licensed to practice

Data not available.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data: Ministère du Travail, des Relations sociales, de la Famille, de la Solidarité et de la Ville, Ministère de la Santé et des Sports, Ministère du Budget, des Comptes publics et de la Fonction publique, Direction de la Recherche, des Etudes, de l'Evaluation et des Statistiques. DREES. (Source: Répertoire ADELI), Sous Direction de l'Observation de la Santé et de l'Assurance maladie, Bureau des Professions de santé

Reference period: 31st of December.

Deviation from the definition: data refer to the concept "professional active".

Croatia

Practising dentists (ISCO-08 code: 2261)

Source of data: **Croatian Institute of Public Health**, Health Manpower Register

Coverage: Private dentists and stomatologists have been included since 1993 and maxillofacial surgeons since 2009.

Break in time series: 1993 and 2009.

Professionally active dentists

Data not available.

Dentists licensed to practice

Data not available.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source: Croatian Institute of Public Health, Health Manpower Register

Reference period: data on December 31

Coverage: public and private health sectors included, private physicians have been included since 1993.

Italy

Practising dentists (ISCO-08 code: 2261)

Source of data: ISTAT provides data provided by COGEAPS <http://wp.cogeaps.it/>.

Reference period: 31st December.

Estimation method: data on the “Continuing Medical Training program” have been used to estimate the practicing personnel and the professionally active. In Italy health professionals have to be recorded in the professional register to be licensed to practice and to acquire “training credits” while practicing. These credits are registered in the Continuing Training Education database. The estimate of practicing personnel and the professionally active was done by counting, among all registered professionals, those who acquired at least one credit in the last three years.

- In Italy, there are no dentists who practice a job (research or public health) without providing services to patients too. So, it was decided to use the same data for practising and professionally active dentists.

Professionally active dentists (ISCO-08 code: 2261)

Source of data:

- Until 2012: ISTAT, Labour Force Survey. <http://www.istat.it/it/archivio/8263>.

- From 2013: ISTAT provides data provided by COGEAPS <http://wp.cogeaps.it/>.

Reference period: 31st December.

Estimation method:

- From 2013 onwards, data on the “Continuing Medical Training program” have been used to estimate the practicing personnel and the professionally active. In Italy health professionals have to be recorded in the professional register to be licensed to practice and to acquire “training credits” while practicing. These credits are registered in the Continuing Training Education database. The estimate of practicing personnel and the professionally active was done by counting, among all registered professionals, those who acquired at least one credit in the last three years.

- In Italy, there are no dentists who practice a job (research or public health) without providing services to patients too. So, it was decided to use the same data for practising and professionally active dentists, from 2013 onwards.

- Until 2012: Estimation from the sample survey. Data are affected by the statistical error due to the sample design.

Break in time series: 2013. Break in the time series is due to changing data source.

Dentists licensed to practice

Source of data: ISTAT provides data produced by ENPAM (National Insurance Institute of physicians and dentists) www.enpam.it.

Reference period: 31st December.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data:

1993-2012: ISTAT - ENPAM (National Insurance Institute of physicians and dentists). www.enpam.it.

2013-onwards: ISTAT provides data provided by COGEAPS <http://wp.cogeaps.it/>.

Estimation method: data on the “Continuing Medical Training program” have been used to estimate the practicing personnel. In Italy health professionals have to be recorded in the professional register to be licensed to practice and to acquire “training credits” while practicing. These credits are registered in the Continuing Training Education database. The estimate of practicing personnel was

done by counting, among all registered professionals, those who acquired at least one credit in the last three years.

Reference period: 31st December

Deviation from the definition: data refer to licensed to practice from 1993 to 2012.

Cyprus

Practising dentists (ISCO-08 code: 2261)

Source of data: **Statistical Service of Cyprus**, Public sector administrative sources & Pancyprian Dental Association for the Private Sector.

Validity of the source: For the years 1985, 1987, 1995 and 2000 figures were obtained from the Census of Doctors, Dentists and Clinics.

Reference period: 31st December.

Break in series: The maxillofacial surgeons were not included in the number of practising dentists up to 2013, since they were considered as physicians. From 2014 onwards, the maxillofacial surgeons will be considered as dentists.

Professionally active dentists

Source of data: **Statistical Service of Cyprus**, Public sector administrative sources & Pancyprian Dental Association for the Private Sector.

Validity of the source: For the years 1985, 1987, 1995 and 2000 figures were obtained from the Census of Doctors, Dentists and Clinics.

Reference period: 31st December.

Estimation method: It has been assumed that in Cyprus there are no dentists working solely in administration and management positions; all dentists provide also services directly to patients. Hence, the number of practising dentists equals the number of professionally active dentists.

Break in series: The maxillofacial surgeons were not included in the number of practising dentists up to 2013, since they were considered as physicians. From 2014 onwards, the maxillofacial surgeons will be considered as dentists.

Dentists licensed to practice

Data not available.

Latvia

Practising dentists (ISCO-08 code: 2261)

Source of data:

- Since 2005: **Health Inspectorate of Latvia**; Medical Persons' Register.

- 2004 and earlier: **Health Statistics and Medical Technologies State Agency**.

Reference period: 31st December.

Coverage: Including maxillo-facial surgery, dental and oral surgery.

Break in time series: 2005: Change in data source.

Professionally active dentists

Source of data:

- Since 2005: **Health Inspectorate of Latvia**; Medical Persons' Register.
- 2004 and earlier: **Health Statistics and Medical Technologies State Agency**.

Reference period: 31st December.

Coverage: Including maxillo-facial surgery, dental and oral surgery.

Break in time series: 2005: Change in data source.

Dentists licensed to practice

Source of data:

Health Inspectorate of Latvia; Medical Persons' Register.

Reference period: 31 December.

Coverage: Including maxillo-facial surgery, dental and oral surgery.

Note: There has been an improvement in the quality of the Medical Persons' Registry data in 2018. The data before 2018, not comparable, are not shown.

Lithuania

Practising dentists (ISCO-08 code: 2261)

Source of data: **Health Information Centre of Institute of Hygiene**, data of entire annual survey of health establishments. Report "Health Statistics of Lithuania", available from

<http://www.hi.lt/health-statistic-of-lithuania.html>.

Reference period: 31st December.

Coverage:

- The number of practising dentists at the end of the year includes all professionally active dentists excluding those working in administration, health education and research.

- The number of professionally active dentists is collected by annual survey of health care establishments. Response rate for private health care establishments is about 70%. Due to non-response of part of private health care establishments the number of dentists could increase by approximately 400 persons (or 17%). But such estimation is not done as it is not clear how many of not responded institutions are actually working.

Break in series: 1997, when compulsory annual survey of private health establishments had started, and as most of the private health care establishments were dentist institutions, the number of dentists had increased.

Professionally active dentists

Source of data: **Health Information Centre of Institute of Hygiene**, data of entire annual survey of health establishments. Report "Health Statistics of Lithuania", available from

<http://www.hi.lt/health-statistic-of-lithuania.html>.

Reference period: 31st December.

Coverage:

- The number of professionally active dentists at the end of the year includes all active dentists working in health care, public health, health administration, health education and research institutions (public or private), including health care institutions under other ministries than the Ministry of Health. Interns and residents, i.e. dentists in postgraduate training, are also included. The number of dentist excludes: dentists working outside the country; dentists on the retired list and not practising or unemployed; dentists working outside health services, e.g. employed in industry, etc.

- The number of professionally active dentists is collected by annual survey of health care establishments. Response rate for private health care establishments is about 70%. Due to non-response of part of private health care establishments the number of dentists could increase by

approximately 400 persons (or 17%). But such estimation is not done as it is not clear how many of not responded institutions are actually working.

Break in time series: 1997, when compulsory annual survey of private health establishments had started, and as most of the private health care establishments were dentist institutions, the number of dentists had increased.

Dentists licensed to practice

Source of data:

- Up to 2003: **State Health Care Accreditation Agency** under the Ministry of Health.
- Since 2011: **Health Information Centre of Institute of Hygiene**. Data are calculated from the Compulsory Health Insurance Fund information system (subsystem METAS).

Available on Official Statistics Portal of Statistics Lithuania <http://osp.stat.gov.lt/en>.

Reference period: 31st December.

Coverage: Up to 2003, the number of dentists licensed to practice includes number of dentists with valid license the end of the year.

Break in time series:

- 2011: Data source changed.

Luxembourg

Practising dentists (ISCO-08 code: 2261)

Source of data: **Direction de la Santé** - Service des statistiques. Register of doctors and health professionals.

Reference period: 31st December.

Coverage:

Until 1999:

- Includes dentists working in administration and research. Stomatologists included since 1998.
- Retired dentists are not included. However, the end of activity of self-employed dentists is often noted with some time lag.

From 2000:

- Dentists who do not work in direct contact with patients (laboratories, administration, R&D, etc) are excluded, and interns are included.

From 2005 to 2013:

- Stomatologists are still considered dentists, but it should be noted that stomatologists from Luxembourg are not synonymous with dentist-doctors (they are fully specialised in stomatology).
- Dental surgeons are included.

From 2014:

- Stomatologist, dental and maxillofacial surgeons are excluded.

Break in time series: 2000, 2005 and 2014.

Professionally active dentists

Source of data: **Direction de la Santé** - Service des statistiques. Register of doctors and health professionals.

Reference period: 31st December.

Break in time series: 2014.

- From 2014: stomatologist, dental and maxillofacial surgeons are excluded.

Dentists licensed to practice

Source of data: **Direction de la Santé** - Service des statistiques. Register of doctors and health professionals.

Reference period: 31st December.

Break in time series: 2014.

- Until 2014: Maxillofacial surgeons are included. Stomatologists are included. They are still considered dentists, but it should be noted that stomatologists from Luxembourg are not synonymous with dentist-doctors (they are fully specialised in stomatology).
- From 2014: Stomatologist, dental and maxillofacial surgeons are excluded.

Hungary

Practising dentists (ISCO-08 code: 2261)

Source of data:

- Up to 1999: **Ministry of Health**.
- Between 2000 and 2001: Data are estimates from the National Institute for Strategic Health Research (ESKI) based on the Operational registration of the **Hungarian Medical Chamber** (MOK in Hungarian) www.mok.hu.
- Between 2002 and 2006: Operational registration of the **Hungarian Medical Chamber** (MOK in Hungarian) www.mok.hu.
- From 2007 until 2014: **Office of Health Care Authorisation and Administrative Procedures** (EEKH in Hungarian) www.eekh.hu.
- From 2015, **Health Registration and Training Center** (ENKK in Hungarian) www.enkk.hu.
- From 2017, **National Healthcare Service Center** (ÁEEK in Hungarian) www.enkk.hu. Operational register.

Reference period: 31st December.

Coverage:

- Practising dentists reported to the National Register of Physicians.
- Included: Specialised and non-specialised dentists, stomatologists, odontologists, orthodontologists.
- Since 2000, the registry of physicians has been prepared by the Hungarian Medical Chamber (MOK). In the first two years of the transition (until year 2002), the Central Statistical Office could not provide data. Therefore, these data should be treated very cautiously because of the legal and the technical system differences of the two registrations.

Break in time series: 2000, 2002, 2005, 2007, 2008, 2015.

- In 2005, the Hungarian Medical Chamber (MOK) performed data cleaning in the database deleting persons due to retirement, death, employment abroad or leaving the profession.
- From 2007, the Office of Health Authorisation and Administrative Procedures (EEKH) – unlike in the previous years – provided data not on the basis of last acquired specialisation but according to the dominant specialisation practiced during medical work.
- In 2008, the Office of Health Authorisation and Administrative Procedures significantly revised the data quality of the registry with by calling for refinement, according to the 1997. CLIV. Act.
- In 2015: In case of physicians, dentists and pharmacists there is a five-yearly cyclical decrease in the operational registration because of the expiry of the five yearly renewable operational license. In every fifth year (2000, 2005, 2010, 2015) there was a dropout in the case of those physicians, dentists and pharmacists, who did not request the renewal of their next five year cycle because they did not fulfil their mandatory further training, or they have been retired, or left to a foreign country, left the healthcare sector, or died.

Professionally active dentists

Data not available.

Dentists licensed to practice

Source of data:

- From 2007 until 2014: **Office of Health Care Authorisation and Administrative Procedures** (EEKH in Hungarian) www.eekh.hu.

- From 2015 to 2016, **Health Registration and Training Center** (ENKK in Hungarian) www.enkk.hu.

Basic register.

- From 2017, **National Healthcare Service Center** (ÁEEK in Hungarian) www.enkk.hu. Basic register.

Reference period: 31st December.

Coverage:

- Head count data. Excludes non-practising dentists, retired professionals and professionals working abroad. Includes professionals who are foreigners.

- The Office of Health Authorisation and Administrative Procedures (EEKH) provided data according to the dominant specialisation practiced during medical work.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data:

- Up to 2006: Operational registration of Hungarian Medical Chamber (MOK in Hungarian) www.mok.hu

- From 2007 until 2014: Office of Health Care Authorisation and Administrative Procedures (EEKH in Hungarian) www.eekh.hu.

- From 2015, Health Registration and Training Center (ENKK in Hungarian) www.enkk.hu.

Reference period: 31st December

Coverage:

- In 2005 and in 2006 "dentists temporarily deleted" excluded

- Head count data. Excludes non-practising physicians, retired professionals and professionals working abroad. Includes professionals who are foreigners

- Residents are excluded

The regional breakdown has been made according to the permanent address of the dentists, so the sum of the regions is not equal to the total number, which includes dentists with unknown address as well.

Malta

Practising dentists (ISCO-08 code: 2261)

Source of data: Malta Medical Council Register data. Collation at **Directorate for Health Information and Research**.

Data for practising dentists is available from end 2009.

Professionally active dentists

Source of data: Malta Medical Council Register data. Collation at **Directorate for Health Information and Research**.

Data for professionally active dentists is available from end 2009.

The numbers of practising dentists and professionally active dentists are the same.

Dentists licensed to practice

Source of data: The Registers of the **Medical Council** – Malta.

Reference period: 31st December.

Coverage:

2005: figure includes 168 dentists residents in Malta and 22 Dentists residents abroad - Source: Medical Council – Malta. 2007: figure represents the number of Dentists who had paid their "retention fee" to be included on the Register of the Medical Council by end 2007.

Netherlands

Practising dentists (ISCO-08 code: 2261)

Source of data: **Social Statistical Database of Statistics Netherlands, BIG Register** (official register of health care professionals).

Reference period: The last Friday before Christmas.

Note: Up to 2014: all licensed and dentist working as self-employed or employee, except those working outside Health and social care (Sector Q of NACE) and outside healthcare related branches. - Figures have been rounded to 5 until 2017.

Breaks in series:

In 2015 the register has carried out a check on foreign medical professionals. The result has been an increase in the figure of licensed dentists of around 400.

From 2017 onwards: the license register required re-registration for dentists. The register required dentists to have been practising with a certain minimum amount working hours in the last 5 years in their professional field. The practising requirement has to be directly related to individual patients. Because of this re-registration we did not use any selection in the sector of employment. The number of practising dentists significantly increased due to this improvement in meeting the definition of practising dentists.

Professionally active dentists

Source of data: **Social Statistical Database of Statistics Netherlands, BIG Register** (official register of health care professionals) (1999-today).

Reference period: The last Friday before Christmas.

Coverage: Professionally active dentists are estimated as all licensed dentists who are economically active and live in the Netherlands.

Note: up to and including 2016, Professionally active dentists are estimated as all licensed dentists who are economically active and live in the Netherlands.

- Figures have been rounded to 5.

Break in series:

In 2015, the register has carried out a check on foreign medical professionals. The result has been an increase in the figure of licensed dentists of around 400.

From 2017 onwards: the license register required re-registration for dentists. The register required dentists to have been practising with a certain minimum amount working hours in the last 5 years in their professional field. This means that the number of economically active and licensed dentists is better suited for the estimate of the number of practising dentists.

Dentists licensed to practice

Source of data:

- From 1999 onwards: **Social Statistical Database of Statistics Netherlands, BIG Register** (official

register of health care professionals).

- 1991-1998 figures are derived from the **Nederlandse Maatschappij voor Tandheelkunde** [Netherlands Dental Association].

- Up to 1990, the figures reflect the number of dentists registered in the register of the **Geneeskundige Hoofdingspectie van de Volksgezondheid** (Chief Medical Officer of Public Health).

Reference period: The last Friday before Christmas.

Coverage: Dentists registered in the BIG register and living in the Netherlands. 1991-1998: Figures include all dentists settled in the Netherlands and aged less than 65 years.

Break in time series: 1991 and 1999 due to changes in the source.

Break in series: In 2015, the register has carried out a check on foreign medical professionals. The result has been an increase in the figure of dentists of around 400.

From 2017 onwards: the license register required re-registration for dentists. The register required dentists to have been practising with a certain minimum amount working hours in the last 5 years in their professional field. The re-registration has led to a decrease in the numbers published so far.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: Data based on BIG register (register of (para)medical professions) and SSB database (micro-integrated database of Statistics Netherlands with data from municipal register, tax register, social security, business register).

Reference period: last Friday before Christmas.

Deviation from the definition: Data refer to professionally active dentists. Data refer to the place where the dentists live. Included are the dentists working in the Netherlands, but living abroad. Their number is the difference between the total and the sum of the workers by region.

Break in time series: In 2014 we altered the sector selection as we did not select the industry, wholesale and raw materials sectors, as it is a better estimation for practising pharmacists and dentists. The selection of jobs also has changed from 2014 as we will now also apply the selection of health- or social care sector or a healthcare-related sector on the self-employed persons, before there was no selection on the sector the self-employed health professionals worked. This causes a slight decrease on the numbers of dentists and pharmacists from 2014 onwards.

Austria

Practising dentists (ISCO-08 code: 2261)

Source of data:

- 1970-2005: **Austrian Medical Association**.

- 2006-ongoing: **Austrian Dental Association**. Dentists have their own professional association since 2006.

Reference period: 31st December.

Coverage:

- Included are domestic and foreign practising dentists who are licensed to practice according to the Austrian legislation and who are registered at the Austrian Dental Association (head count).

- Included are salaried and self-employed practising dentists in different places of service provision (private practices, hospitals, etc.).

- Included are interns and residents under supervision of other dentists.

- Included are sub-specialties like e.g. odontologists, stomatologists and orthodontologists.

- Excluded are dental and maxillofacial surgeons (according to the Austrian Medical Doctors Act and the Austrian Medical Education Act 2015, dental and maxillofacial surgeons are clearly a medical profession and not a dental profession).

- Excluded are dentists who do not provide services to individual patients (in industry, administration, research, etc.).

- Excluded are dentists working abroad, unemployed and retired dentists.

Note: Dental specialists without academic training but with a state license are excluded since 2003; their approbation was granted up to 1975.

Professionally active dentists

Data not available.

Dentists licensed to practice

Data not available

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data:

1970-2002: Österreichische Dentistenkammer - Vollerhebung / Austrian Chamber of Dentists ("Dentisten" without qualification as physicians) - total of members.

1970-2005: Österreichische Ärztekammer - Vollerhebung / Austrian Medical Chamber - total of members.

2006-ongoing: Österreichische Zahnärztekammer - Vollerhebung / Austrian Chamber of Dentistry (includes "Dentisten" and physicians) - total of members.

Reference period: December/January (reference day varies).

Coverage:

- includes dentists in activity;
- includes the whole medical field (private practices, hospitals...);
- includes sub-specialties like e.g. odontologists, stomatologists and orthodontologists;
- excludes dentists without dental practice (in industry, administration, research...);
- excludes dentists working abroad and includes dentists who are citizens of a Member State;
- excludes "Dentisten" since 2003; approbation for "Dentisten" (state license) was only granted up to 1975.

Poland

Practising dentists (ISCO-08 code: 2261)

Source of data: **Ministry of Health, Ministry of Interior, Ministry of National Defence.**

Reference period: 31st December.

Coverage:

- Data regarding dentists are based on head counts.
- Dentists are counted in the main workplace.
- Since 2003: Dentists working in the Ministries of National Defence and Interior are included.
- Since 2004: Dentists working as teaching and administration staff are excluded.
- Since 2005: Dentists working in private medical practice are included.

Breaks in time series:

- Since 2003: Dentists working in the Ministries of National Defence and Interior are included.
- Since 2004: Dentists working as teaching and administration staff are excluded.
- Since 2005: Dentists working in private medical practice are included.

Professionally active dentists

Source of data: **Ministry of Health, Ministry of Interior, Ministry of National Defence.**
Reference period: 31st December.

Dentists licensed to practice

Source of data: **Ministry of Health.** Register of the Polish Chamber of Physicians.
Reference period: 31st December.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data: Ministry of Health, Ministry of Interior, Ministry of National Defence.
Reference period: 31st December.

Data regarding dentists are based on head counts.

Dentists are counted in the main workplace.

Coverage:

- Since 2003: Dentists working in the Ministries of National Defence and Interior are included.
- Since 2004: Dentists working as teaching and administration staff excluded.
- Since 2005: Dentist working in private medical practice are included.

Breaks in time series: 2003, 2004 and 2005.

Portugal

Practising dentists (ISCO-08 code: 2261)

Data not available. (Data available for all dentists licensed to practice only.)

Professionally active dentists

Data not available. (Data available for all dentists licensed to practice only.)

Dentists licensed to practice

Source of data: **Statistics Portugal / Portuguese Medical Association** (stomatologists and maxillo-facial surgeons), **The Portuguese Dental Association** (dentists, since 1985) and **The National Association of Portuguese Dentists** (odontologists).

Reference period: 31st December.

Coverage:

- Data include all stomatologists, maxillo-facial surgeons (from 1998 onwards), dentists (from 1985 onwards) and odontologists (until 2010), whether practising, active but not practising, or inactive.
- Information reflects the number of stomatologists and maxillo-facial surgeons, registered at the Portuguese Medical Association, dentist physicians registered at the Portuguese Dental Association, and odontologists registered at the National Association of Portuguese Dentists.
- Dentists with a declared residence abroad are not included.

Deviation from the definition:

- Dentists working abroad are included only if their declared residence is in Portugal.

Break in time series: 1985, 1998, 2011. Data include dentists since 1985 and maxillo-facial surgeons since 1998. Data exclude odontologists since 2011.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data: Statistics Portugal / Portuguese Medical Association (stomatologists: for the entire data series), The Portuguese Dental Association (dentist: since 1985) and National Association of Portuguese Dentists (odontologists: for the entire data series).

Reference period: 31st December.

Deviation from the definition: data refer to **Dentists licensed to practice** at regional (NUTS2) level according to the place (region) of declared residence.

Coverage:

- Data include all stomatologists, maxilo-facial surgeons, (since 1999), dentists and odontologists, (until 2010), whether exercising, active but not exercising, or inactive.
- Data on dentists refer to: stomatologists and maxilo-facial surgeons, licensed to practice (Portuguese Medical Association), by place of residence; dentist licensed to practice (The Portuguese Dental Association), by place of residence; odontologists (dental technicians not physicians) registered at the National Association of Portuguese Dentists.
- Dentists with declared residence abroad are not included.
- For «Norte», «Centro», «Lisboa» and «Alentejo», odontologists are not included (only data by district are available). So, for this reason, the total of «Portugal» is different from the sum of the seven NUTS2.

Data was revised from 1998 onwards, to include maxilo-facial surgeons, according to ISCO08.

Romania

Practising dentists (ISCO-08 code: 2261)

Source of data: **National Institute of Statistics**, Activity of Sanitary Units – annual survey performed by NIS.

Reference period: data as of 31st December.

Coverage:

From 1970 to 1998, data refer only to the public sector.

From 1999 the data cover all sanitary dentists from public and private sector.

- Dentists (ISCO/COR 2222) are defined as the persons who have completed studies in stomatology at university level and who are licensed to practice. Dentists' tasks include: making diagnosis, giving necessary dental treatment, giving surgical, medical and other forms of treatment for different types of dental and oral diseases and disorders, establish curative and preventive dental measurement, relished reports and participate to scientific communication in oral health and dental care.

-The dentists who work in education field as teachers and dentists from health insurance field or that work in other institutions involved in the administration of the healthcare system (e.g. public health institutes) are not included as practising dentists. It was impossible to exclude dentists who have administrative function in health units because separate registrations do not exist.

- Excluding: students, unemployed dentists in health field, retired dentists that are not still working, and dentists working abroad, dentists working in sales field even if they work in medical sales (ex. medical drugs).

Until 2007, dentists working in administration, research and in other posts that exclude direct contact with patients could not be totally excluded.

Deviation from the definition: Until 2019, data doesn't include oral and maxillofacial surgeons.

Break in series:

- 1999.

- 2019, oral and maxillofacial surgeons were included in the number of practicing physicians.

Professionally active dentists

Source of data: **National Institute of Statistics**, Activity of Sanitary Units – annual survey performed by NIS.

Reference period: data as of 31st December.

Coverage:

From 1970 to 1998, data refer only to the public sector.

From 1999 the data cover all sanitary dentists from public and private sector.

- Dentists (ISCO/COR 2222) are defined as the persons who have completed studies in stomatology at university level and who are licensed to practice. Dentists' tasks include: making diagnosis, giving necessary dental treatment, giving surgical, medical and other forms of treatment for different types of dental and oral diseases and disorders, establish curative and preventive dental measurement, relished reports and participate to scientific communication in oral health and dental care.

- The number of professionally active dentists include: dentists from health insurance field or that work in other institutions involved in the administration of the healthcare system (e.g. public health institutes).

- The number of professionally active dentists doesn't include: dentists who work in education field as teachers, students, unemployed dentists in health field, retired dentists that are not still working, and dentists working abroad, dentists working in sales field even if they work in medical sales (ex. medical drugs).

Break in the series: 1999.

Dentists licensed to practice

Source of data: **College of the Dental Practitioner** in Romania.

Reference period: data as of 31st December.

Coverage: The data cover public and private sector.

Dentists who provide dental services temporary or occasionally in Romania are not included.

According to the national legislation (Law No. 95/2006 on the reform in health care) are included, also, dentists who are citizens of an EU Member State, EEA or Swiss Confederation, by assimilation, dentists who are family members of a citizen of an EU member state, EEA or Swiss Confederation and beneficiaries of the long-term resident status granted by an EU Member State, EEA or Swiss Confederation.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: National Institute of Statistics.

Reference period: data as of 31st December.

Coverage: The data for period between 1993-1998 refers to professionally active dentists and include data only from public sector.

Break in the series: 1999.

Until 2007 dentists working in administration, research and in other posts that exclude direct contact with patients could not be totally excluded.

Slovenia

Practising dentists (ISCO-08 code: 2261)

Source of data: **National Institute of Public Health, Slovenia**; National Health Care Providers Database.

Reference period: 31st December.

Coverage: Practising dentists are those working in the health-care sector (primary and secondary care), including public health institutes and the health insurance institute.

Professionally active dentists

Source of data: **National Institute of Public Health, Slovenia**; National Health Care Providers Database.

Reference period: 31st December.

Coverage: professionally active dentists include practising dentists working in the health-care sector and dentists working at H.P.4, 6.1, 6.3-6.9 and H.P.7 providers.

- The variations between 1992 and 1996 might be explained by a problem of under-reporting.

Dentists licensed to practice

Data not available.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: National Institute of Public Health, Slovenia; National Health Care Providers Database.

Reference period: 31st December.

Slovakia

Practising dentists (ISCO-08 code: 2261)

Source of data: **National Health Information Center**. Before 2005: Administrative register of health care professionals.

Reference period: 31st December.

Coverage: Stomatologists (dentists practising only in basic field of activity "stomatology") are included.

Note: As of 2005, data are only available for professionally active dentists. Suitable data source for providing "practising" concept is under development.

Professionally active dentists

Source of data: **National Health Information Center**.

- From 2005 onwards: Annual report M (MZ SR) 1- 01 on structure and number of health professionals.

Reference period: 31st December.

Coverage: Includes occupation "dentist" (according to the ISCO-08 classification, code 2261) performed by all healthcare providers.

Dentists licensed to practice

Data not available.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: National Health Information Center

Data are selected from two different sources:

Annual report on structure and amount of health professionals

Register of Health professionals, as of Dec. 31,

Data for 2005, 2006, 2008, 2009, 2010, 2011, 2012, 2013, 2014 are from Annual report on structure and amount of health professionals

Data for years 1994 – 2004 and 2007 are from Register of Health professionals, as of Dec. 31,

Register of Health professionals, as of Dec. 31,

Reference period: 31st December

Difference in methodology: dentists at regional level are divided from total number of professionally active dentists.

Data for 2005, 2006 and 2008 are selected from Annual report on structure and amount of health professionals and data for 2007 and before 2005 are selected from Register of Health professionals, as of Dec. 31.

Break in time series: 1998. Till 1997 the state statistical findings on number of dentists were carried out within the state establishments of dentist' s services. In 1997 and before (i.e. in 1994 – 1997 including) privatization of dentists services was carried out. There is notable decrease of number of dentists in 1997 since no private establishments are included within the state statistical findings in 1997. In 1998 non state i.e. private establishments of dentists are also included in the state statistical findings and therefore the number of dentists increased in 1998.

Finland

Practising dentists (ISCO-08 code: 2261)

Source of data: THL Health Personnel Statistics; **National Institute for Health and Welfare**. The data for 2000 and 2005 onwards are based on the Employment Register kept by Statistics Finland.

Reference period: Data refer to information for the whole year.

Coverage: Data include caring personnel active in health care in Finland – practicing dentists are limited to social welfare and health care sector.

Professionally active dentists

Source of data: THL Health Personnel Statistics; **National Institute for Health and Welfare**. The data for 2000 and 2005 onwards are based on the Employment Register kept by Statistics Finland.

Reference period: Data refer to information for the whole year.

Dentists licensed to practice

Source of data: VALVIRA. **National Supervisory Authority for Welfare and Health**. Register on Qualified Health Care Personnel, number of persons aged less than 64 years with qualifications on 31 December.

Reference period: 31st December.

Coverage: from 2013 there is age limitation from 18 to 68 year olds.

Dentists at regional level:

Data collection discontinued in 2017 (reference year 2015)

Source of data: Administrative figures (National Register of Health Care Professionals).

Reference period: 31st December

Deviation from the definition: Dentists are in "licensed to practice".

Sweden

Practising dentists (ISCO-08 code: 2261)

Source of data: **National Board of Health and Welfare**, LOVA-register (change of register-name from former NPS-register).

Reference period: 1st November.

Coverage:

- Sweden uses NACE-codes to identify practising dentists (i.e. active within the health-care system) and therefore cannot exclude dentists who are seeing patients from those who do not within the health-care system.
- 100% coverage for licensed practising dentists until year 2018.
- The entire time series has been revised in 2021.

Professionally active dentists

Source of data: **National Board of Health and Welfare**, LOVA-register (change of register-name from former NPS-register).

Reference period: 1st November.

Coverage:

- In addition to the NACE-codes used to identify practicing dentists the NACE-codes are used to identify professional active dentists:
 - 75.1 - Public authorities
 - 80.3 - Higher education establishments
- 100% coverage until year 2018.
- The entire time series has been revised in 2021.

Dentists licensed to practice

Source of data: **National Board of Health and Welfare**, LOVA-register (change of register-name from former NPS-register).

Reference period: 1st November.

Coverage:

- Non-retired personnel.
- 100% coverage until year 2019.
- The entire time series has been revised in 2021.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: National Board of Health and Welfare, National Planning Support (NPS) register

Reference period: 1st November

Coverage: 100 per cent

Sweden uses NACE-codes to identify Practising dentists (i.e. active within the health care system) and can therefore not exclude dentists who are seeing patients from those who don't within the health care system.

Iceland

Practising dentists (ISCO-08 code: 2261)

Source of data:

- 2011 and onwards: Icelandic Dentists' Association.
- 2001 - 2010: **The Directorate of Health** - Register of dentists.
- Until 2001: **Icelandic Dentists' Association**.

Reference period: 31st December.

Coverage:

Before 2011:

- Includes: Dentists who are 70 year old and younger with a permanent residence in Iceland (Icelanders or foreign).
- Practising dentists - may refer more to professionally active dentists (but the group of non-practising dentists is small).

As of 2011:

- Number of individuals registered as practising dentists by the Icelandic Dentists' Association.

Break in time series: 2011.

Professionally active dentists

Source of data:

- 2011 and onwards: Icelandic Dentists' Association.
- 2001-2010: **The Directorate of Health** - Register of dentists.
- Until 2001: **Icelandic Dentists' Association**.

Reference period: 31st December.

Coverage:

Before 2011:

- Includes: Dentists who are 70 year old and younger with a permanent residence in Iceland (Icelanders or foreign).

As of 2011:

- Number of individuals registered as professionally active dentists by the Icelandic Dentists' Association.

Break in time series: 2011.

Dentists licensed to practice

Source of data:

2016 and onwards: **The Directorate of Health**, Register of Licenced Health Care Professionals.
Until 2015: **The Directorate of Health**, Register of dentists.

Reference period: 31st December.

Coverage: Includes all professional dentists with a license (all ages regardless of employment status, employment location (inside or outside of the country) or nationality).

Break in time series: Break in series in 2016 is due to change in data source. The data source is the Register of Licenced Health Care Professionals instead of the Register of Dentists, which no longer exists.

Liechtenstein

Practising dentists (ISCO-08 code: 2261)

Source of data: From 2005 and on: **Office of Public Health** (Amt für Gesundheit), List of dentists licensed to practice (“Berufsliste Zahnärzte”), List of Physicians licensed to practice (“Ärzteliste”); Up to 2004: Yearly Report of the Liechtenstein Government (Rechenschaftsbericht)

Break in time series: From 2009 onward dentists who are employed within a dental practice are included (2009: 13 such employed dentists). These are not included the years before.

Professionally active dentists

Source of data: **Office of Public Health** (Amt für Gesundheit), List of dentists licensed to practice (“Berufsliste Zahnärzte”)

Coverage: Difference between practising and professionally active: Physicians licenced to practice working in a Firm in the Dental Industry according to the List of Dentists,

Break in time series: From 2009 onward dentists who are employed within a dental practice are included (2009: 13 such employed dentists). These are not included the years before.

Dentists licensed to practice

Source of data: **Office of Public Health** (Amt für Gesundheit), List of dentists licensed to practice (“Berufsliste Zahnärzte”), census.

Break in time series: 2009 see above; from 2010 on additionally dentists who are not economically active are included (source: census).

Estimation method: Census data 2010 are used as estimates for the following years. From 2015 onward values are updated due to the availability of the 2015 census.

Norway

Practising dentists (ISCO-08 code: 2261)

Source of data: **Statistics Norway**; Statistics on health-care personnel.

- From 2002 onwards: **Statistics Norway**; Register-based statistics on employment of health-care personnel.

- Up to 2001: **National Board of Health**.

Reference period: 3rd week of November.

Coverage:

- Data up to 2001 show FTE; data from 2002 show head count.

Break in time series: 2002, 2009, 2015.

- 2002. Comparable time-series cannot be delivered for the years preceding 2002.

- 2009: change in the coverage.

- As from 2015, the register-based employment statistics will be based on a new data source for employees. Until the end of 2014, the main data source was The Central Register on Employers and Employees (EE register), produced by the Norwegian Labour and Welfare Organisation (NAV). In 2015, this reporting to NAV was coordinated with the reporting of earnings and personnel data to the Tax Administration and Statistics Norway. This common reporting system is called “a-ordningen” (the a-system).

Professionally active dentists

Source of data: **Statistics Norway**; Statistics on health-care personnel. Administrative registers. See

http://www.ssb.no/hesopers_en/.

Reference period: 3rd week of November.

Coverage: The figures provided cover all professionally active dentists in all industries.

Break in time series: 2015.

- As from 2015, the register-based employment statistics will be based on a new data source for employees. Until the end of 2014, the main data source was The Central Register on Employers and Employees (EE register), produced by the Norwegian Labour and Welfare Organisation (NAV). In 2015, this reporting to NAV was coordinated with the reporting of earnings and personnel data to the Tax Administration and Statistics Norway. This common reporting system is called "a-ordningen" (the a-system).

Dentists licensed to practice

Source of data: **Statistics Norway**; Statistics on health-care personnel. Administrative registers. See http://www.ssb.no/hesopers_en/.

Reference period: 3rd week of November.

Coverage: Figures provided cover all registered dentists.

Break in time series: 2015.

- As from 2015, the register-based employment statistics will be based on a new data source for employees. Until the end of 2014, the main data source was The Central Register on Employers and Employees (EE register), produced by the Norwegian Labour and Welfare Organisation (NAV). In 2015, this reporting to NAV was coordinated with the reporting of earnings and personnel data to the Tax Administration and Statistics Norway. This common reporting system is called "a-ordningen" (the a-system).

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: Statistics Norway, Register-based statistics on employment of health care personnel.

Reference period: 3rd week of November

Estimation method: Cover dentists working in HP1.-HP3.

The regional figures do not add up because some dentists can't be placed according to region.

Coverage: Personnel is included based on education, not occupation, therefore dentists not providing services directly to patients are included.

Break in time series: 2009.

Note: For some institutions the variable Official Municipality Key is missing in the business register. Therefore it can be differences between the totals (national level) and the sum of regions. As from 2015, the register-based employment statistics will be based on a new data source for employees. Until the end of 2014, the main data source was The Central Register on Employers and Employees (EE register), produced by the Norwegian Labour and Welfare Organisation (NAV). In 2015, this reporting to NAV was coordinated with the reporting of earnings and personnel data to the Tax Administration and Statistics Norway. This common reporting system is called "a-ordningen" (the a-system).

Switzerland

Practising dentists (ISCO-08 code: 2261)

Source of data: FSO Federal Statistical Office, Neuchâtel; Swiss Dental Association, Bern.

Coverage: Dentists with private practices, who contract with social insurance; it can be considered as appropriate full coverage.

Break in time series: 2019. In-depth reassessment of the data, notably to correct for professionals who were to be left out of the sample (retired, deceased).

Professionally active dentists

Data not available.

Dentists licensed to practice

Data not available.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: FSO Federal Statistical Office, Neuchâtel; Swiss Dental Association, Bern.

Coverage: Dentists with private practice and contracting with social insurance; it can be considered as an appropriate full coverage.

Montenegro

Practising dentists (ISCO-08 code: 2261)

Data not available.

Professionally active dentists

Source of data: The source for all data submitted is the Institute of Public Health. Some additional information can be found in Health Statistical Yearbooks available at <http://www.ijzcg.me/>

Reference period: December 31st.

Coverage: Only data from the public sector.

Break in time series: Since 01.01.2008, Oral health care service was moved from Primary health centers and during 2008 it was organized as private service. Only dentists from secondary and tertiary health care level were included.

Dentists licensed to practice

Data are not available.

North Macedonia

Practising dentists (ISCO-08 code: 2261)

Data not available

Professionally active dentists

Source of data: Institute for Public Health – Skopje. Report for health staff in health sector (3-00-60).

Reference period: 31st December.

Dentists licensed to practice

Data not available

Albania

Practising dentists (ISCO-08 code: 2261)

Source of data: Ministry of Health

Deviation from the definition: Number total of dentists

Professionally active dentists

Data not available

Dentists licensed to practice

Data not available

Serbia

Practising dentists (ISCO-08 code: 2261)

Data available from 2016.

Source of data: Institute of Public Health of Serbia, National register on health care human resources.

Data as of December 31. <http://www.batut.org.rs/>.

Coverage: Data for Kosovo-Metohija province are not included in the coverage of data for the Republic of Serbia. Data from health institutions under other ministries (military services, prisons, social services) than the Ministry of Health are not included. Data from private health sector are not included.

Break in time series: During 2019, a new IT solution was piloted and implemented, and the methodology for collecting data on human resources for health in the Republic of Serbia was improved. Data collected by the new methodology have been reported since 2020.

Professionally active dentists

Source of data: Institute of Public Health of Serbia, National register on health care human resources.

Data as of December 31st. <http://www.batut.org.rs/>.

Coverage: Data for Kosovo-Metohija province are not included in the coverage of data for the Republic of Serbia. Data from health institutions under other ministries (military services, prisons, social services) than the Ministry of Health are not included. Data from private health sector are not included.

Break in time series: During 2019, a new IT solution was piloted and implemented, and the methodology for collecting data on human resources for health in the Republic of Serbia was improved. Data collected by the new methodology have been reported since 2020.

Dentists licensed to practice

Source of data: Dental Chamber of Serbia. Data as of December 31. <http://www.stomkoms.org/>.

Coverage: Data for Kosovo-Metohija province are not included in the coverage of data for the Republic of Serbia.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data: Institute of Public Health of Serbia, National register on health care human resources.

Data as of December 31. <http://www.batut.org.rs/>

Coverage: Data for Kosovo-Metohija province are not included in the coverage of data for the Republic of Serbia. Data from health institutions under other ministries (military services, prisons, social services) than the Ministry of Health are not included. Data from private health sector are not included.

Deviation from the definition: Data refer to professionally active physicians.

Turkey

Practising dentists (ISCO-08 code: 2261)

Data not available. Data are available for "professionally active" dentists (including dentists in administrative, academic or research functions who are not providing direct care to patients).

Professionally active dentists

Source of data:

- From 2000 onwards: **General Directorate for Health Services, Ministry of Health.**
- Up to 1999: **Health Statistics Yearbook - Ministry of Health.**

Coverage:

- From 2000 onwards: Dentists in the MoH, universities, the private sector and self-employed dentists are included.
- Ministry of Health, university, private and other sectors (other public establishments, local administrations and since 2012 MoND-affiliated facilities) are included.-
- Dentists acting as managers in the MoH, universities and the private sector are included.
- Dentists who work abroad or have not graduated from school yet are not included.

Break in time series: Break in 2000, 2018.

In 2018, the used database for health personal has been changed. This new source keeps the data as person-based. Health personal data was collected from health facility as health facility-based before. In 2018, the used database for health personnel has been changed. This new source keeps the data as person-based. Health personnel data were collected from health facilities as health facility-based before 2018.

Dentists licensed to practice

Data not available.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Source of data:

- From 2000 onwards: General Directorate for Health Services, Ministry of Health
- Up to 1999: Ministry of Health; Health Statistics Yearbook.

Deviation from the definition: Data refer to professionally active dentists.

Coverage:

- From 2000 onwards: Dentists in the MoH, University, private, other sector and self-employed dentists are included.
- Dentists acting as managers in the MoH, University, private and other sectors are included.
- Dentists who work abroad or have not graduated from school yet are not included.
- Up to 1999: Data includes Dentists working in public or university administration.

United Kingdom

Practising dentists (ISCO-08 code: 2261)

Source of data:

- **England:**

* Primary Care Dentists - NHS Business Services Authority. (Data as at 31 March each year).

* Hospital and Community Health Services (HCHS) Dentists - Up to 2008: Medical & Dental Workforce Census; since 2009: NHS Hospital & Community Health Service (HCHS) workforce statistics. (Data as at 30 September each year). The data from 2009 are headcount.

- **Northern Ireland:** Hospital and Community dentists data from Department of Health, Social Services and Public Safety, and General Dental Practitioner data from the Business Services Organisation;

- **Scotland:** GDP data are sourced from the Management Information and Dental Accounting System (MIDAS), and data for HCHS dentists are sourced from the medical and dental workforce census (MEDMAN) and the Scottish Workforce Information Standard System.

- **Wales:** Welsh Government: <http://gov.wales/statistics-and-research/?topic=Health+and+social+care&lang=en>.

Reference Period:

- **England & Wales:** data are a combination of hospital dentists and primary care (high street) dentists. The hospital dentists are as at 30 September, while the primary care dentists are those providing NHS services in the financial year April – March.

- **Scotland:** data are as at 30th September each year.

- **Northern Ireland:** hospital dentists are counted in September and general dental practitioners are counted in October.

Coverage:

- Does not include private sector.

- Data for Financial years i.e. 01-04-07 to 31-03-08 will be presented for 2007.

- Data are a combination of General Dental Practitioners (GDPs) and Hospital and Community Health Services (HCHS) dentists.

- Due to the introduction of the new dental contractual arrangements in England and Wales (01-04-06) and a revised methodology for counting dentists, data for England and Wales are only provided for 2007 onwards as these data are not comparable with previous years. For this reason, previous years for the UK have not been submitted.

- The revised methodology covers GDPs in England and Wales and counts the number of dentists with NHS activity recorded via an FP17 claim form each year ending 31st March.

- **England:** Primary Care dental data refer to dental performers who had performed and claimed for NHS activity in each year. Data on Hospital and Community Health Services (HCHS) Dentists were previously rolecount for 2009-2014 - they are now headcount.

- **Scotland:** Includes all General Dentals Service dentists (Salaried and Non-salaried principals, assistants and vocational trainees) Dental Hospital, Community and Public Health services (HCHS) staff of the NHS.

- **Northern Ireland:** General Dental Practitioner data include principal, associate dentists and salaried dentists - assistants and trainees are excluded prior to 2011. Figures from 2011 onwards have been revised and now include principals, associates, salaries, plus assistants and vocational trainees (as at April for these years). Deviation from the definition:

- There will be dentists in the UK working as both GDPs and HCHS dentists. These are only counted once in Scotland, however, they are unable to be separated in England. In Wales and Northern Ireland some double counting may also occur.

- Dentists may also be counted twice if they have contracts in more than one country of the UK.

- Dentists in Scotland may be counted more than once if they work in different health boards.

Break in time series: 2009.

- **England:** The break in the time series in 2009 relates to a change in the collection methodology: HCHS data changed from an annual census collection to monthly workforce statistics from the Electronic Staff Record (ESR).

- **England:** Up to 2008, data are based on rolecount; since 2009, they are based on headcount.

Professionally active dentists

Data not available.

Dentists licensed to practice

Data not available.

Dentists at regional level

Data collection discontinued in 2017 (reference year 2015)

Data not available.