

G Health and ICT

Data on e-Health services are processed from the results of the comprehensive annual survey on information on health care services providers E (MZ) 1-01 performed by the **Institute of Health Information and Statistics of the Czech Republic** (IHIS CR). This survey includes basic questions on the ICT equipment of practices (offices/ surgeries) of **independent physicians**. In addition, data on **online services** offered via websites of independent physicians and **keeping health records (documentation) in the electronic form** are taken from this survey.

Since the reference year 2016, the survey includes also detailed questions on available functionalities and used records of **electronic information healthcare systems** deployed in offices of independent physicians.

Reference period: the data are as at 31 November of the reference year for ICT equipment of practices and 3 months prior to the survey for seeking health-related information by individuals.

Available breakdowns: Data on the ICT use by independent physicians are available by the type of practice – general practitioner for adults, general practitioner for children, dentist, gynecologist, and specialist.

The independent annual statistical survey called **Sample Survey on the ICT Use in Households and by Individuals** (for details see Chapter C) has been a valuable source of information how many individuals use the internet for seeking health-related information in the last 3 months. The survey results are internationally comparable as a percentage of all individuals aged 16 to 74 years.

International data and comparisons of certain indicators are taken from the Eurostat database for digital economy and society, data of which are updated every year in December. Detailed information can be found at: <https://ec.europa.eu/eurostat/web/digital-economy-and-society/overview>.

Definitions (sorted alphabetically)

- A **specialist physician** shall mean a doctor who has completed advanced education and training in a specific field of medicine to become an allergist, a dermatologist, an ophthalmologist, a urologist, etc. This category excludes gynecologists and dentists.
- **Electronic health records** shall mean the documentation (medical patient data), which is made, processed, filed, stored, and transmitted in a digital form.
- **Independent physicians** include all independent practices who are not part of another medical facility, e.g. hospital.
- **Lists of patients by diagnosis, laboratory results or for an appointment** for examinations shall mean a list of electronic records of all patients of the health establishment by a given criterion entered.
- **Online appointments to the physician** shall mean that the patients may make appointments for examination and/or medical intervention by means of an online editable form, which is transmitted directly from the website of the surgery. **These do not include making appointments simply by email.**
- **Online consultancies** shall mean the option to send health related queries via a website of the physician's surgery.
- **Online prescribing** allows a physician to use digital prescription software to electronically transmit a prescription to the patient. Patient receives an electronic identification code which then produces to the pharmacist.
- **Seeking health-related information** includes searching for information about injuries, diseases, nutrition, improving health, etc.
- **The notice on drug interaction** shall mean that the system issues a notice to the physician if the patient has been prescribed medicines, which have mutual effects.
- **The online application for prescription** shall mean that the patient receives the electronic prescription through an email or an SMS code, which the patient then produces to the pharmacist.

For more information see:

[https://www.czso.cz/csu/czso/information technologies in the czech health sector](https://www.czso.cz/csu/czso/information%20technologies%20in%20the%20czech%20health%20sector)

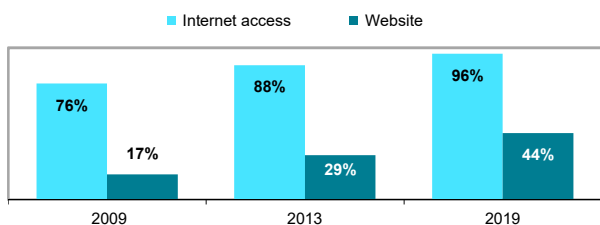
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Table G1 Independent surgeries of physicians in Czechia having a computer and the internet access in their medical offices and their website; 2019

	Percentage		
	Computer	Internet	Website
Total	97,0	96,1	43,8
General practitioners for adults	98,6	98,0	45,5
General practitioners for children	98,7	98,2	63,2
Dentists	97,3	96,1	28,3
Gynecologists	97,5	97,1	61,4
Specialists	95,2	94,0	45,9

as a percentage of all independent surgeries of a given physician practice

Figure G1 Independent surgeries of physicians having the internet access in their medical offices and own website



as a percentage of all independent surgeries of physicians

Figure G2 Independent surgeries of physicians having the internet in their medical offices by type of practice

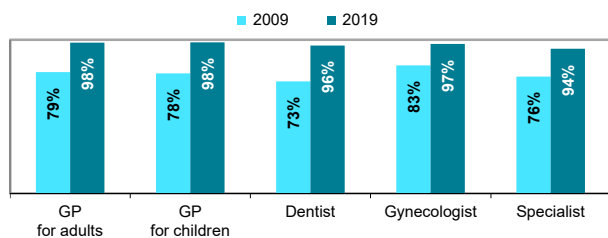
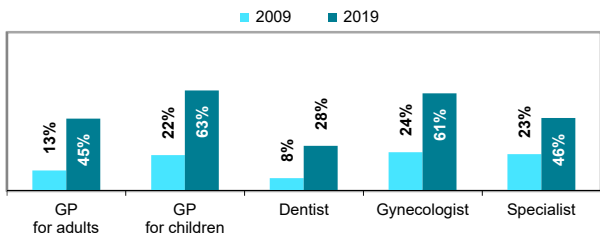


Figure G3 Independent surgeries of physicians having own website by type of practice



as a percentage of all independent surgeries of a given physician practice

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Table G2 Online services available on the websites of independent surgeries of physicians in Czechia; 2019

	Percentage		
	Online appointment	Online consultation	Online prescription
Total	18,5	16,2	32,5
General practitioners (GP) for adults	25,4	18,4	46,8
General practitioners (GP) for children	28,3	29,0	49,2
Dentists	7,5	5,4	11,1
Gynecologists	29,4	31,0	54,9
Specialists	17,8	16,9	31,1

as a percentage of all independent surgeries of a given physician practice

Figure G4 Independent surgeries of physicians having a website application for making online appointment

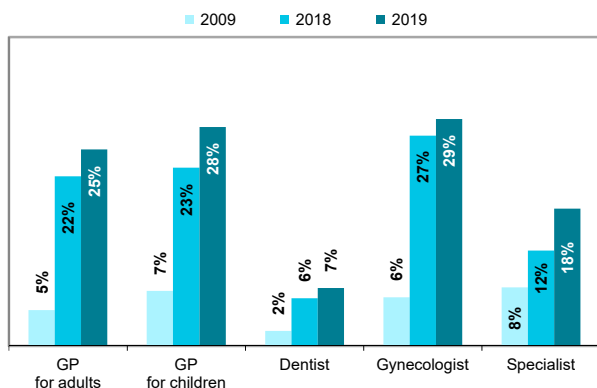
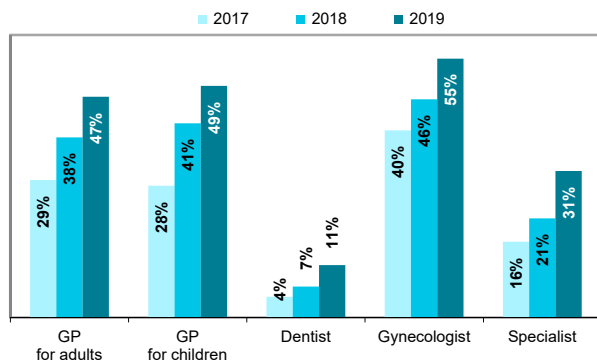


Figure G5 Independent surgeries of physicians having a website application for making online prescription



as a percentage of all independent surgeries of a given physician practice

Source: CZSO calculations based on Institute of Health Information and Statistics

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Table G3 Independent surgeries of physicians in Czechia keeping health records electronically; 2019

	Percentage	
	Total	of which only electronically
Total	77,3	8,9
General practitioners (GP) for adults	85,1	4,0
General practitioners (GP) for children	79,0	1,9
Dentists	68,8	14,3
Gynecologists	82,8	7,6
Specialists	77,3	10,0

as a percentage of all independent surgeries of a given physician practice

Figure G6 Independent surgeries of physicians keeping at least part of the health records in an electronic form; 2019

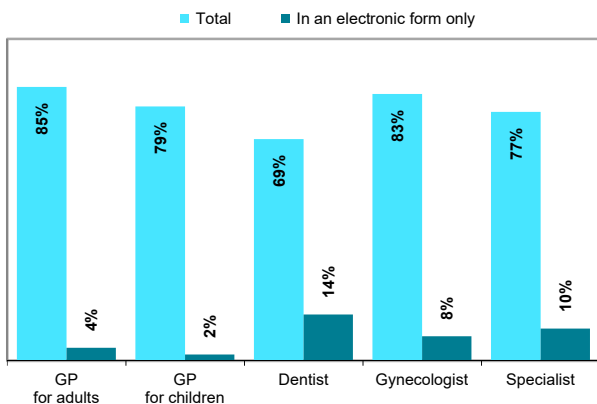
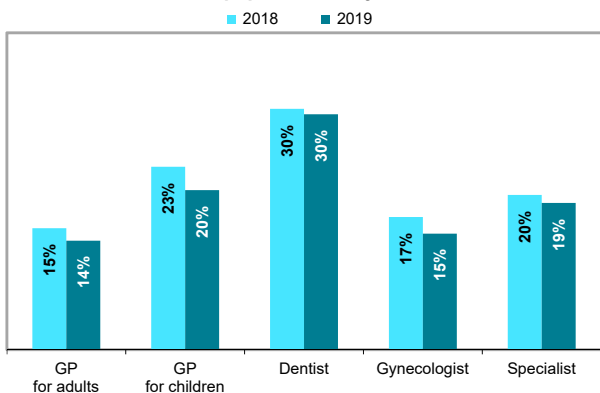


Figure G7 Independent surgeries of physicians keeping the health records in a paper form only



as a percentage of all independent surgeries of a given physician practice

Source: CZSO calculations based on Institute of Health Information and Statistics

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Table G4 Independent surgeries of physicians in Czechia using selected functions of their information systems; 2019

	Percentage		
	Medical prescription	Drug-interaction alerts	Laboratory examinations results
Total	73,0	32,8	37,6
General practitioners (GP) for adults	84,4	55,9	66,7
General practitioners (GP) for children	78,2	40,1	61,0
Dentists	63,8	14,7	4,8
Gynecologists	82,0	33,3	65,4
Specialists	69,7	29,7	32,6

as a percentage of all independent physicians of a given practice

Figure G8 Independent surgeries of physicians using selected functions of their information systems; 2019

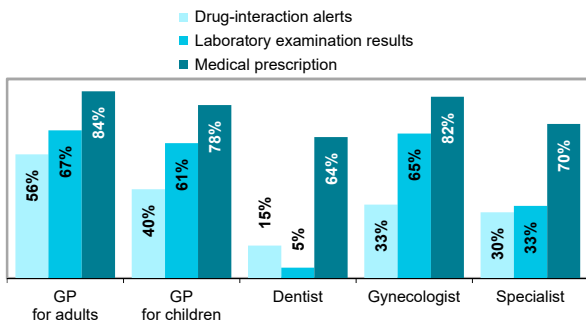
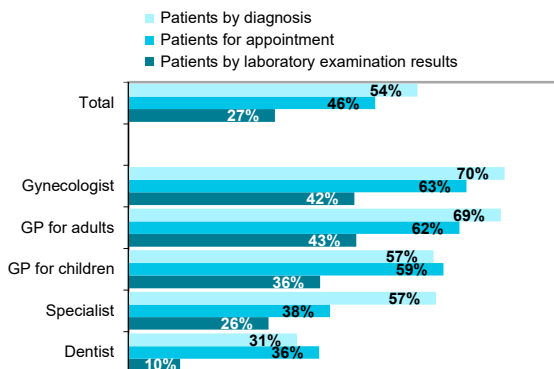


Figure G9 Independent surgeries of physicians having information systems enabling to generate selected patient records; 2019



as a percentage of all physicians of a given practice

Source: CZSO calculations based on Institute of Health Information and Statistics

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Table G5 Persons in Czechia using the internet for seeking health-related information

	Percentage		
	2015	2019	2020
Total (aged 16+)	37,3	52,6	57,8
Men	26,4	41,8	49,2
Women	47,9	62,7	66,0
Age group (years)			
16–24	22,9	43,2	45,2
25–34	45,7	64,3	69,9
35–44	48,1	63,2	74,7
45–54	47,5	63,8	71,0
55–64	40,9	56,9	59,2
65+	18,1	29,2	31,3
Education attainment (aged 25–64)			
Primary	20,0	38,6	40,0
Secondary without A-level examination	34,8	51,0	60,2
Secondary with A-level examination	54,8	68,3	74,0
Tertiary	59,2	75,7	82,2

as a percentage of all persons in a given socio-demographic group

Figure G10 Persons aged 16+ using the internet for seeking health-related information

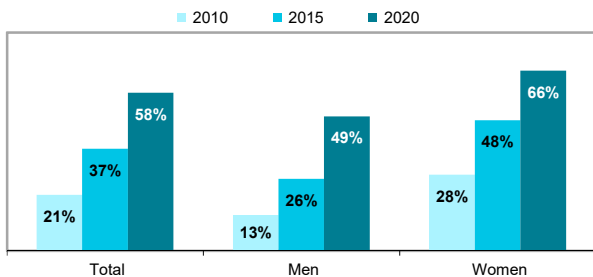
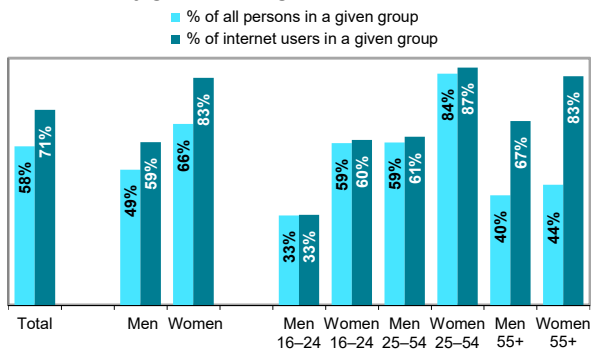


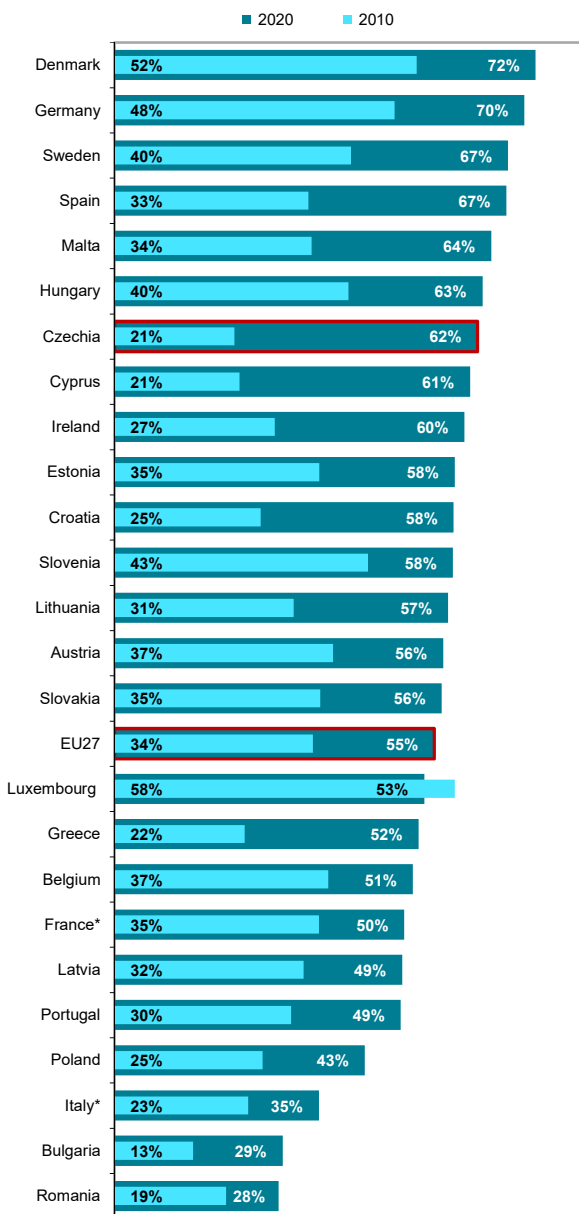
Figure G11 Use of the internet for seeking health-related information by gender and age; 2020



Source: Czech Statistical Office, ICT use survey in households

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Figure G12 Persons aged 16–74 years in EU countries using the internet for seeking health-related information



* data for 2019

Source: Eurostat

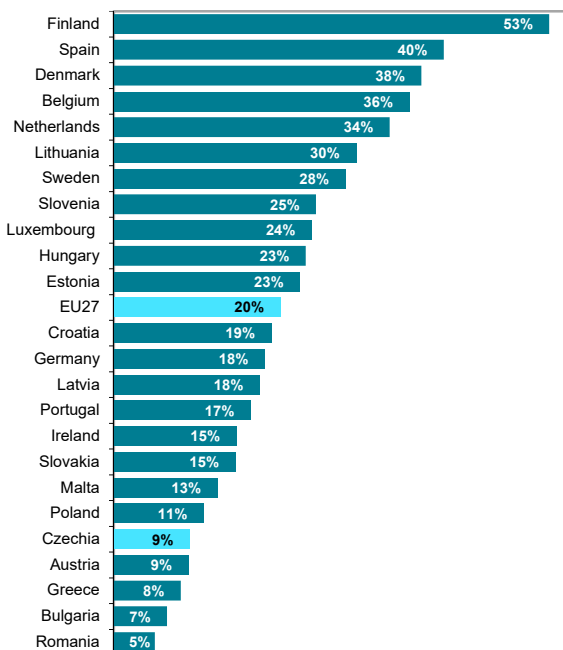
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Table G6 Persons in Czechia using the internet for selected health-related activities; 2020

	Percentage		
	Request for a prescription	Making an appointment	Consultation
Total (aged 16+)	17,1	8,6	5,0
Men	12,0	6,4	3,0
Women	22,0	10,7	6,8
Age group (years)			
16–24	6,4	6,2	2,6
25–34	17,3	11,5	7,9
35–44	21,0	11,4	6,7
45–54	24,0	10,2	4,9
55–64	21,0	7,6	4,6
65+	10,9	5,1	2,9
Education (aged 25–64)			
Primary	14,5	2,6	2,0
Secondary without A-level exam	19,3	7,3	3,9
Secondary with A-level exam.	24,1	12,3	6,9
Tertiary	19,9	13,5	8,9

as a percentage of all persons in a given socio-demographic group

Figure G13 Persons aged 16–74 years in EU countries who made an appointment with a practitioner via a website or an application; 2020



Source: Eurostat

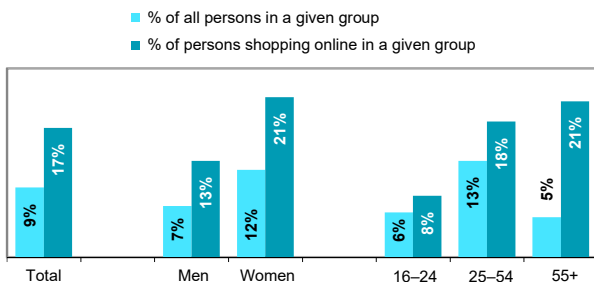
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Table G7 Persons in Czechia purchasing medicine or dietary supplements over the internet; 2020

	%		
	Total	Men	Women
Total (aged 16+)	9,2	6,8	11,5
16–24 years old	5,9	6,3	5,5
25–54 years old	12,7	8,3	17,1
55 years and more	5,3	4,8	5,7

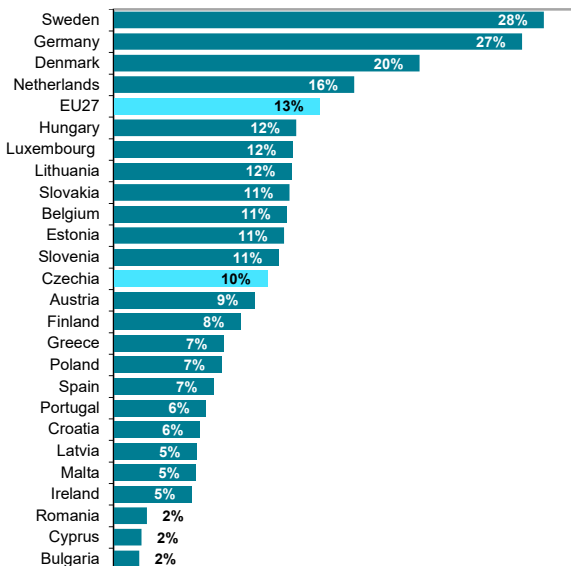
as a percentage of all persons in a given socio-demographic group

Figure G14 Persons aged 16+ purchasing medicine or dietary supplements over the internet; 2020



Source: Czech Statistical Office, ICT use survey in households

Figure G15 Persons aged 16–74 years in EU countries purchasing medicine or dietary supplements online; 2020



Source: Eurostat

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Figure G16 Men aged 16–74 years in EU countries using the internet for seeking health-related information; 2020

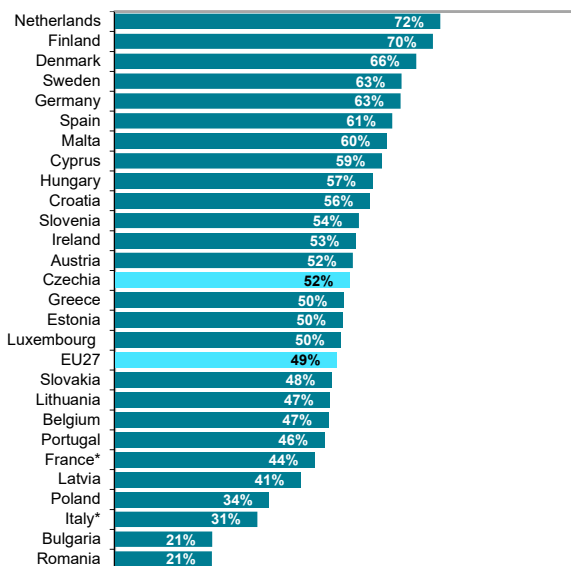
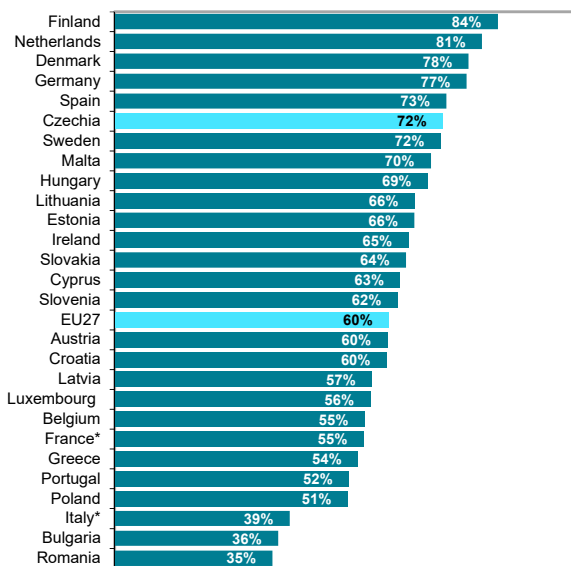


Figure G17 Women aged 16–74 years in EU countries using the internet for seeking health-related information; 2020



* data for 2019

Source: Eurostat