

G Healthcare and digital technologies

Data on eHealth services are processed from 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 questions on the ICT equipment of practices of **independent physicians**, data on **online services** offered via websites of independent physicians and **keeping health records (documentation) in the electronic form**.

The survey also includes 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 on how many individuals used 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. For the purposes of this publication, the highest educational attainment is divided into **low**, which includes lower secondary education and upper secondary education without A-level exam, **medium**, which includes upper secondary education with A-level exam and higher vocational education, and **high**, which includes tertiary (i.e. university) education.

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/database/comprehensive-database>

Definitions (sorted alphabetically)

- **Fitness band / smartwatch** – connected to a mobile phone via Bluetooth. Tracks steps, distance, calories burned; measures heart rate and sleep quality. Users can display selected data from the paired phone, e.g., weather forecast.
- A **specialist physician** means a doctor in a specific field of medicine (dermatologist, urologist, etc.). This category excludes gynecologists and dentists.
- **Health insurance benefits** – clients can create an online profile on their health insurer's website/app to see which benefits they are entitled to and apply for them directly.
- **Independent physicians' offices** include all independent practices that are not part of another medical facility, e.g. hospital.
- **Laboratory tests ordering** is made from a computer in a physician's office. The results are received in the form of secure protocol.
- **Lists of patients by diagnosis, laboratory results or for an appointment** for examinations mean a list of electronic records of all patients of the health establishment by a given criterion entered.
- **Online appointments to the physician** mean that the patients can make appointments for examination and/or medical intervention using an online editable form, which is transmitted directly from the physician's office. **These do not include making appointments simply by e-mail.**
- **Online consultancy means** the option to send health related queries via a website of the physician's office.
- **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 he then presents to the pharmacist.

- **Online prescription order** mean that the patients fill out an online form and receive their electronic prescription via e-mail or SMS.
- **Seeking health-related information** includes searching for information about diseases, mental problems, injuries, nutrition, improving health, etc.
- **The drug interaction alerts** mean that the system issues a notice to the physician if the patient has been prescribed medicines, which have mutual effects.

For more information see: <https://csu.gov.cz/ict-in-healthcare-sector>

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Table G1 Physicians' offices in Czechia with computer, internet access and website; 2024

	Percentage		
	Computer	Internet	Website
Total	96,7	95,7	55,3
General practitioners (GP) for adults	98,8	97,5	63,3
General practitioners (GP) for children	98,8	98,2	74,8
Dentists	98,1	97,2	39,4
Gynaecologists	97,7	96,7	71,7
Specialists	94,1	93,0	54,2

Chart G1 Physicians' offices with internet access and website

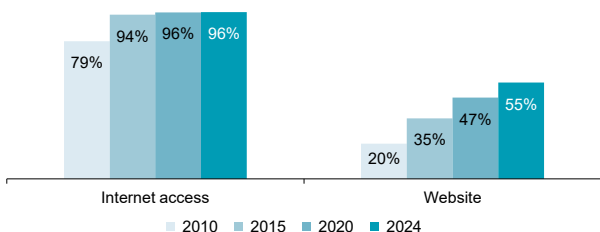


Chart G2 Physicians' offices with internet access

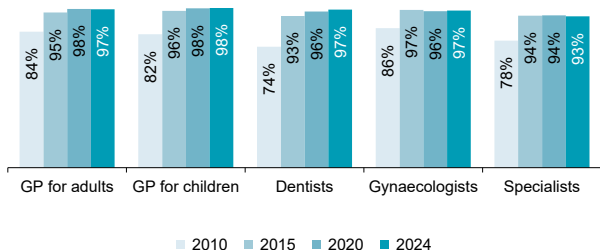
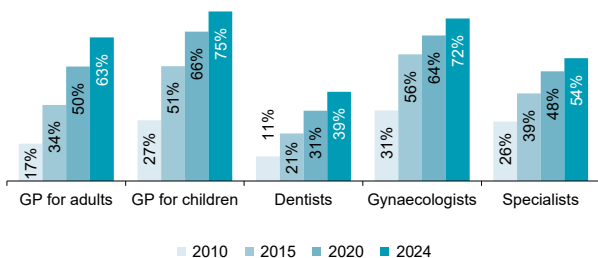


Chart G3 Physicians' offices with a website



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Table G2 E-health functions used by physicians' offices in Czechia; 2024

	Medical prescription	Drug interaction alerts	Laboratory tests ordering
Total	76,6	38,7	43,4
GP for adults	86,7	60,4	76,4
GP for children	83,5	49,2	71,0
Dentists	72,8	18,9	6,4
Gynaecologists	84,7	44,3	71,0
Specialists	70,5	36,1	38,2

Chart G4 Drug interaction alert function used in physicians' offices information systems

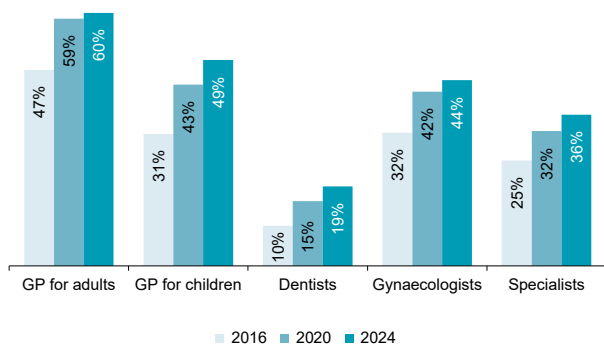
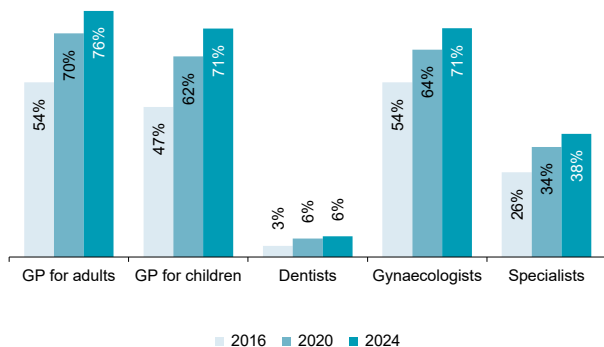


Chart G5 Laboratory tests orderings function used in physicians' offices information systems



Source: Institute of Health Information and Statistics

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Tab. G3 Function of generating patient extracts used in physicians' offices information systems in Czechia; 2024

	Percentage		
	Patients for appointment	Patients by diagnosis	Patients by laboratory results
Total	49,9	57,0	31,4
GP for adults	68,6	72,9	50,6
GP for children	66,6	64,9	44,0
Dentists	38,1	32,0	9,4
Gynaecologists	67,6	73,4	47,7
Specialists	40,2	60,0	29,5

Chart G6 Patient extract generation by diagnosis used in physicians' offices information systems

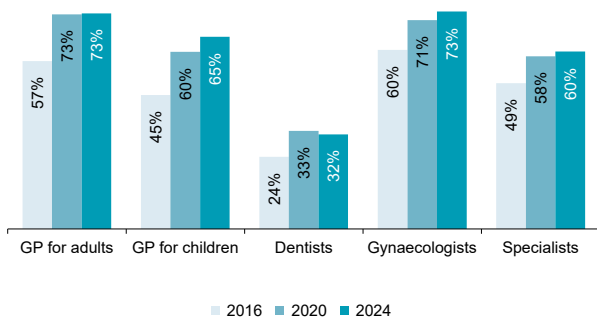
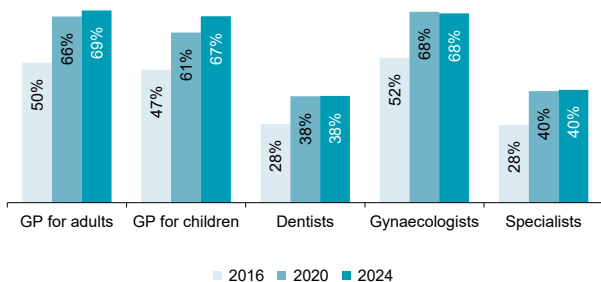


Chart G7 Patient extract generation by appointment used in physicians' offices information systems



Source: Institute of Health Information and Statistics

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Table G4 Services available on websites of physicians' offices in Czechia; 2024

	Percentage		
	Online appointment	Online consultation	Online prescription
Total	26,8	19,4	37,5
GP for adults	40,7	28,4	58,0
GP for children	39,9	38,3	59,1
Dentists	10,3	5,2	11,8
Gynaecologists	41,5	35,9	59,2
Specialists	24,3	16,8	34,4

Chart G8 Physicians' offices having a website application for making online appointment

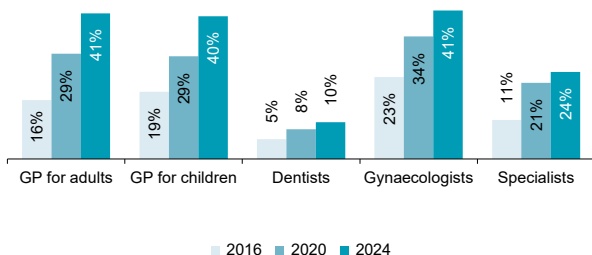
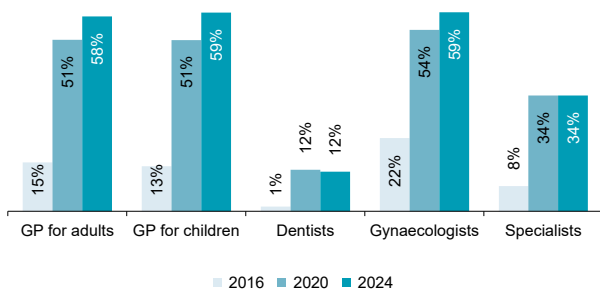


Chart G9 Physicians' offices having a website application for online prescriptions



Source: Institute of Health Information and Statistics

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Table G5 Persons in Czechia using health related applications on websites of health institutions; 2024

	Percentage		
	For health insurance benefits	For consultation with a physician	For prescription requests
Total (aged 16+)	19,4	8,2	4,9
Men	13,6	6,4	3,7
Women	24,7	9,8	6,0
Age group (years)			
16–24	19,6	5,7	4,4
25–34	29,3	12,5	5,8
35–44	26,0	14,7	7,3
45–54	24,5	9,3	6,1
55–64	18,7	4,8	5,3
65–74	8,2	4,9	2,7
75+	3,5	2,1	0,9
Education (aged 25–64)			
Low	13,3	6,0	3,6
Medium	28,6	12,7	7,7
High	37,2	14,0	8,2

Chart G10 Requesting health insurance benefits via online application by gender and age

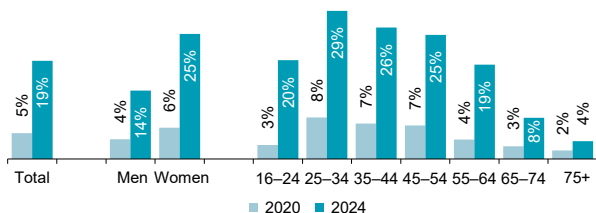
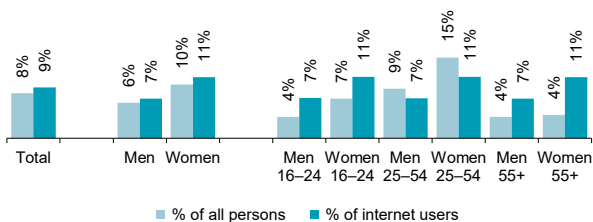


Chart G11 Using an online application for consultation with a physician by gender and age; 2024



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Table G6 Persons in Czechia using the internet for seeking health-related information

	Percentage		
	2015	2020	2025
Total (aged 16+)	37,3	57,8	53,8
Men	26,4	49,2	40,9
Women	47,9	66,0	65,7
Age group (years)			
16–24	23,3	45,2	44,7
25–34	46,2	69,9	58,3
35–44	48,3	74,7	62,8
45–54	47,5	71,0	62,5
55–64	41,0	59,2	63,1
65–74	24,4	41,1	45,8
75+	8,2	15,8	27,0
Education (aged 25–64)			
Low	32,5	57,4	51,7
Medium	54,8	74,0	65,2
High	59,2	82,2	71,8

Chart G12 Persons aged 16+ using the internet for seeking health information by gender

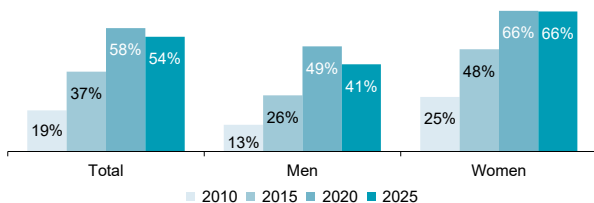
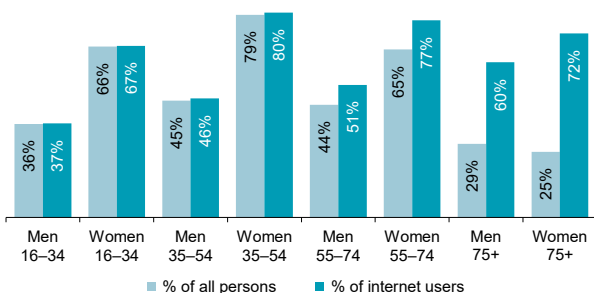


Chart G13 Use of the internet for seeking health information by gender and age; 2025



Source: Czech Statistical Office, ICT use survey in households

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Chart G14 Men aged 16–74 in EU countries using the internet for seeking health information; 2025

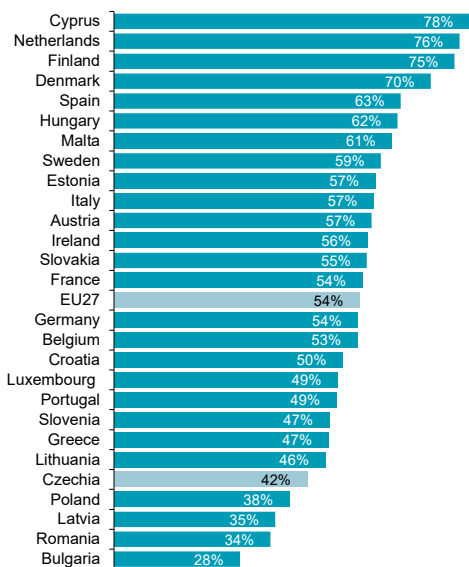
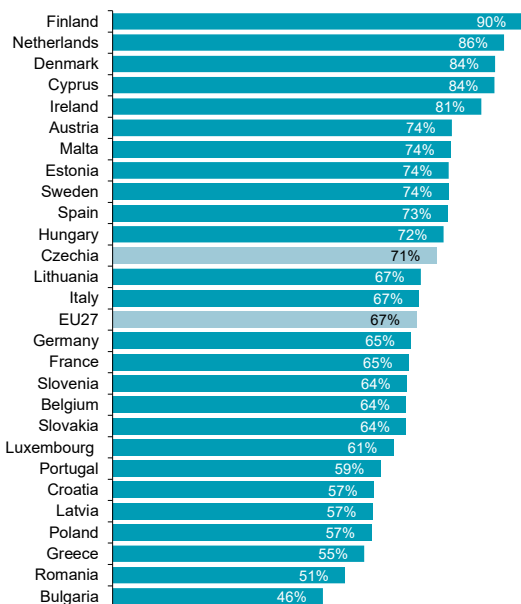


Chart G15 Women aged 16–74 in EU countries using the internet for seeking health information; 2025



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Table G7 Persons in Czechia using the internet for seeking physical and mental health-related information; 2025

	Percentage	
	Physical health	Mental health
Total (aged 16+)	52,8	19,2
Age group (years)		
16–24	42,2	20,1
25–34	57,6	22,6
35–44	61,9	23,9
45–54	61,6	21,8
55–64	62,7	21,1
65–74	45,1	14,3
75+	26,3	6,3
Education (aged 25–64)		
Low	51,4	15,2
Medium	64,3	24,5
High	70,6	29,8

Chart G16 Seeking physical health-related information on the internet by gender and age; 2025

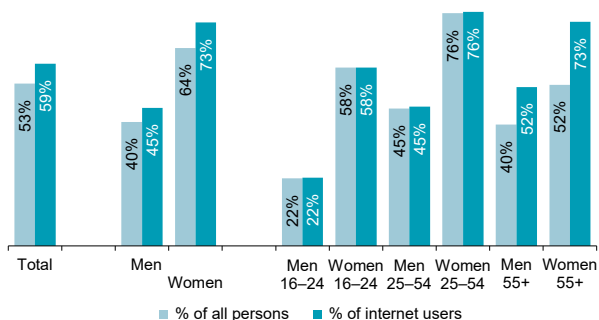
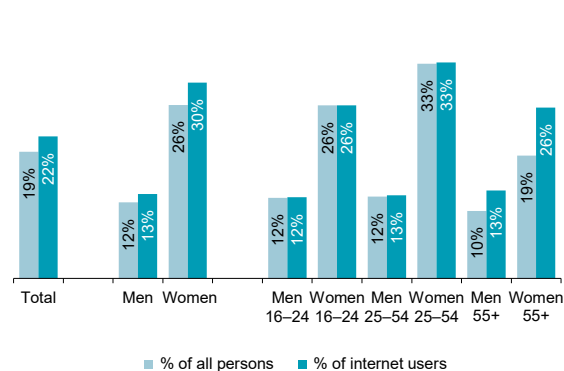


Chart G17 Seeking mental health-related information on the internet by gender and age; 2025



Source: Czech Statistical Office, ICT use survey in households

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Chart G18 Men aged 16–74 in EU countries using the internet for seeking mental health information; 2025

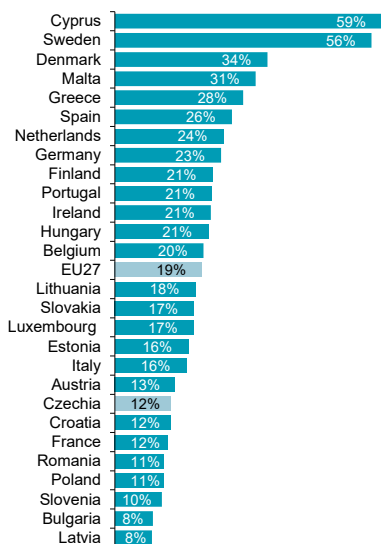
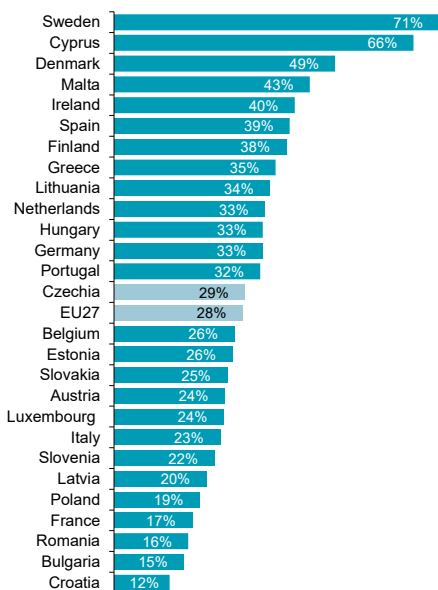


Chart G19 Women aged 16–74 in EU countries using the internet for seeking mental health information; 2025



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Table G8 Persons in Czechia using the internet for making an appointment with the physician; 2025

	Percentage		
	Total	Men	Women
Total (aged 16+)	26,5	20,9	31,7
Age group (years)			
16–24	19,8	13,8	24,5
25–34	35,8	26,5	45,2
35–44	38,7	31,7	45,0
45–54	32,1	21,9	41,7
55–64	25,9	20,7	30,9
65–74	16,0	16,0	15,9
75+	8,3	8,4	8,2
Education (aged 25–64)			
Low	19,8	15,6	25,2
Medium	36,6	28,1	43,1
High	48,0	38,9	55,3

Chart G20 Persons aged 16+ making an appointment with the physician via the contact form on the website or app

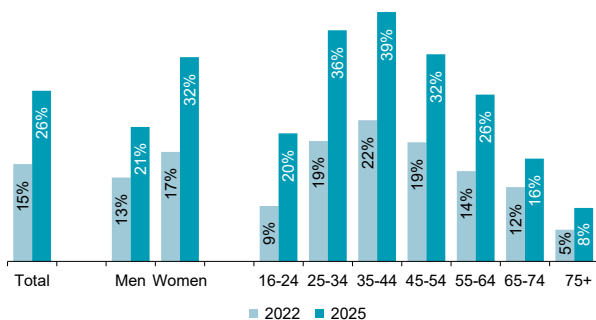
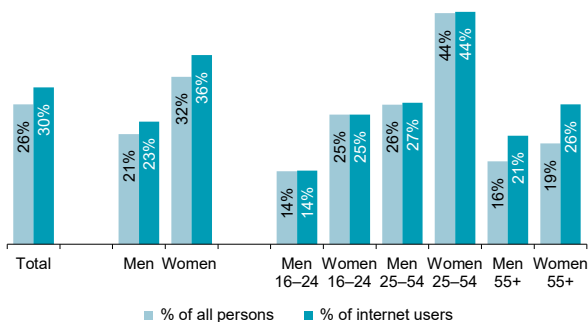


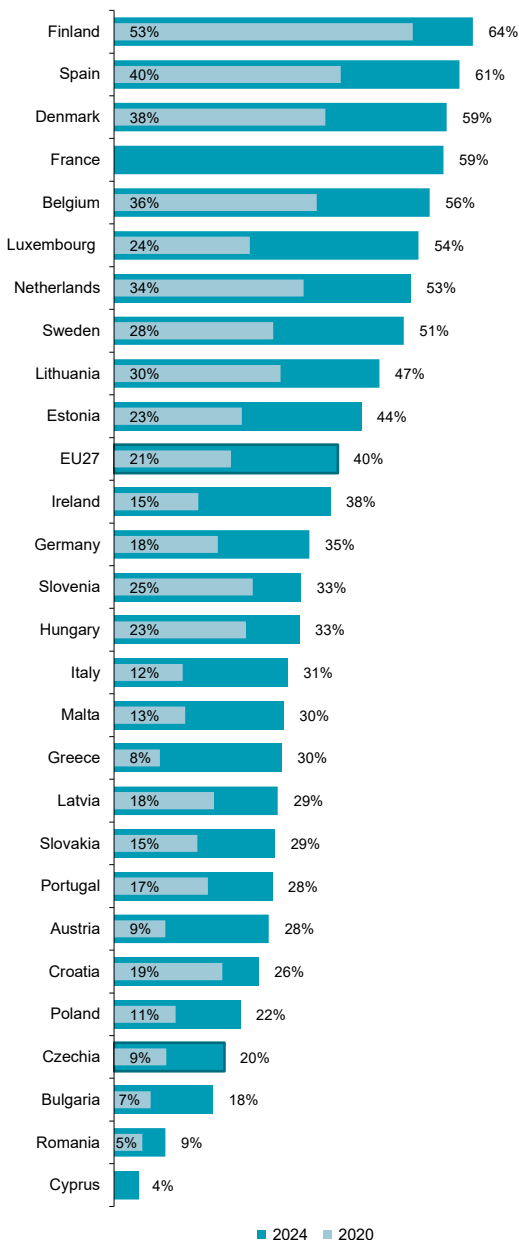
Chart G21 Making appointment with the physician via the contact form on the website or app by gender and age; 2025



Source: Czech Statistical Office, ICT use survey in households

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Chart G22 Persons aged 16–74 in EU countries making appointment with the physician via the contact form on the website or app



Source: Eurostat

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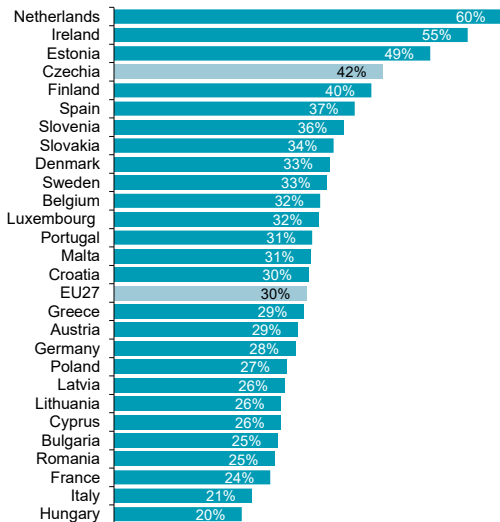
Table G9 Persons in Czechia using smart devices related to health and paid health or fitness apps; 2024

	Percentage		
	Smart watches or fitness bands	Smart health devices	Paid health or fitness apps
Total (aged 16+)	37,5	5,8	3,7
Men	34,3	5,2	3,9
Women	40,4	6,4	3,6
Age group (years)			
16–24	58,0	8,9	6,9
25–34	62,1	9,1	8,1
35–44	52,3	8,7	4,8
45–54	43,1	6,0	3,6
55–64	26,7	5,4	1,8
65–74	10,5	1,2	0,5
75+	2,4	0,5	0,2
Education (aged 25–64)			
Low	33,0	2,9	1,3
Medium	52,1	8,3	5,4
High	56,8	12,3	8,1

Note: Smart health devices include e.g. a personal weigh scale or a blood pressure monitor connected via internet or bluetooth

Source: Czech Statistical Office, ICT use survey in households

Chart G23 Persons aged 16–74 in EU countries using smart watches of fitness bands; 2024



Source: Eurostat

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Chart G24 Persons aged 16–74 in EU countries using smart health devices; 2024

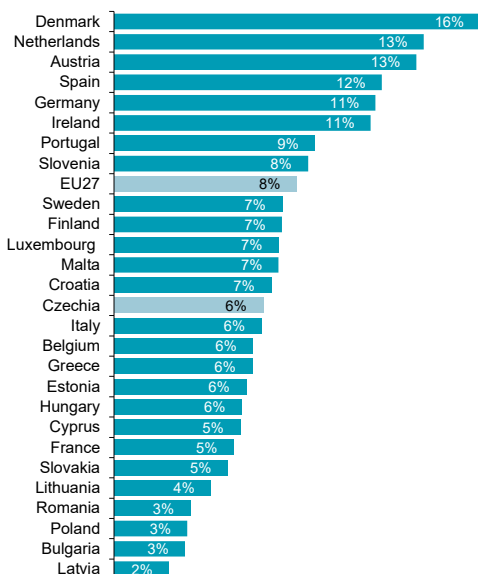
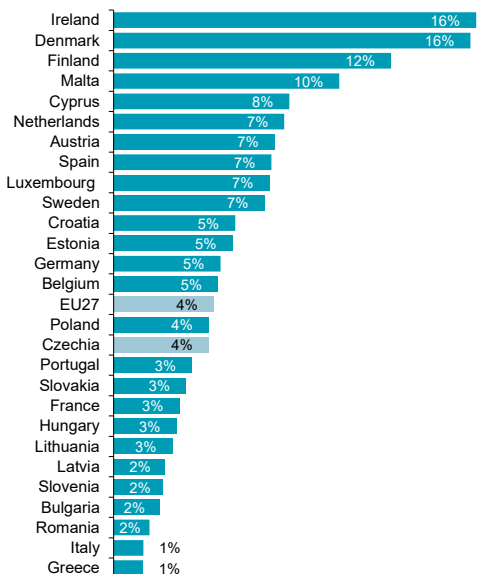


Chart G25 Persons aged 16–74 in EU countries downloading paid health or fitness apps; 2024

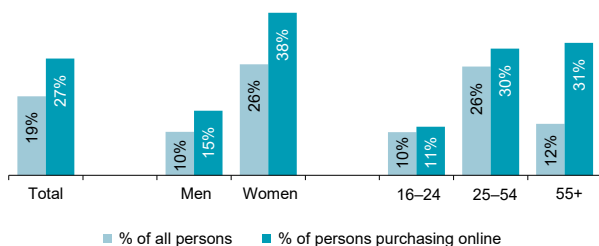


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Table G10 Persons in Czechia purchasing medicine or dietary supplements on the internet; 2024

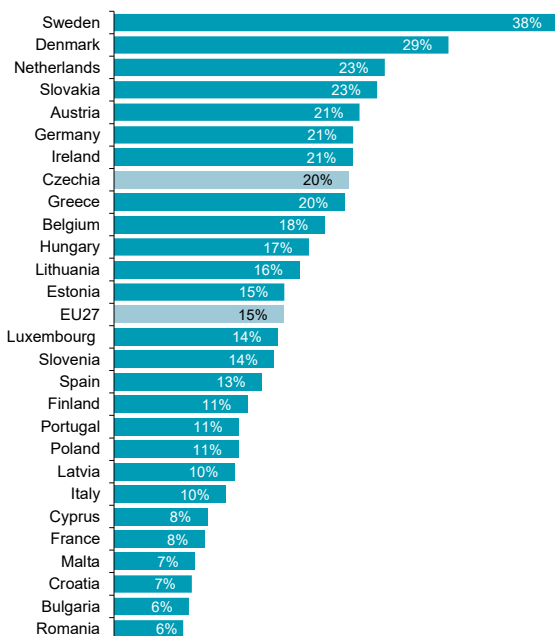
	Percentage		
	Total	Men	Women
Total (aged 16+)	18,6	10,2	26,1
16–24 years old	10,1	7,4	12,5
25–54 years old	25,6	12,9	36,9
55 years and more	12,1	7,6	16,2

Chart G26 Persons aged 16+ purchasing medicine or dietary supplements on the internet; 2024



Source: Czech Statistical Office, ICT use survey in households

Chart G27 Persons aged 16–74 in EU countries purchasing medicine or dietary supplements online; 2024



Source: Eurostat