

G eHealth

The Czech Statistical Office (CZSO) has been collecting data **on the adoption and use of information technologies in health care** since 2003. The main source for measuring the development of eHealth in the Czech Republic is a short module related to **ICT usage in the health-care facilities** conducted by the Institute of Health Information and Statistics of the Czech Republic (IHIS) in cooperation with the CZSO. This module has been surveyed annually. Since 2016 it is a part of a mandatory yearly statement on Informative data of health care providers (E101).

Notes:

Reference period: End of the monitored year

Target facilities: Practices of independent physicians.

Available breakdowns: Data on the use of information and communication technologies by independent physicians is available by the type of practice – general practitioners for adults, general practitioners for children, dentists, gynecologists and specialists.

Definitions:

- **Special doctor's practices** – include offices such as dermatologists, urologists, ophthalmologists etc.
- **On-line consultation** offers the possibility to ask health-related questions, which the health establishment answers by e-mail or may publish the response on its website.
- **Online appointment system** offers the possibility to make appointments through the health establishment's website, using online form (e-mail is not included).
- **Storing of medical patient data in electronic form** - documentation is created, processed and stored in digital form using ICT.

Information about **individuals** using internet in relation to health is available from the annual statistical survey conducted by the CZSO titled: **“Sample Survey on ICT Use in Households and by Individuals”**. For more information see **Chapter C** of this publication.

Reference period: 3 months prior to the interviews

Definitions:

- **Internet user** – any person who used the internet at least once in the last three months preceding the interview
- **Using the internet for looking for health related information** - seeking information about diseases, treatment, diagnoses, prevention, healthy nutrition etc. on the internet (at least once in the last 3 months and for personal use only).

The **Eurostat** online database for **Information society statistics** has been used for the international comparison. *Data from this database was extracted in March 2018.* For more information see:

<http://ec.europa.eu/eurostat/web/digital-economy-and-society/data/database> and

<http://ec.europa.eu/eurostat/web/digital-economy-and-society/data/comprehensive-database>

Further information on eHealth statistics can be found at:

[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)

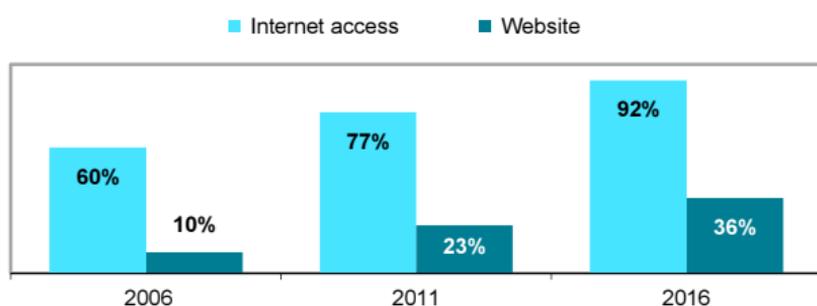
Tab. G1 ICTs used by independent physicians in the Czech Republic; 2016

	Computer	Internet	Website
Total	96,4	92,3	36,1
General practitioners (GP) for adults	96,8	94,1	34,0
General practitioners (GP) for children	95,1	93,5	50,9
Dentists	96,1	90,7	23,0
Gynecologists	97,1	93,5	56,4
Specialists	96,7	91,7	40,2

%

as a percentage of all independent physicians of a given practice

Figure G1 Independent physicians with internet access and with a website



as a percentage of all independent physicians

Figure G2 Independent physicians with internet access by type of practice

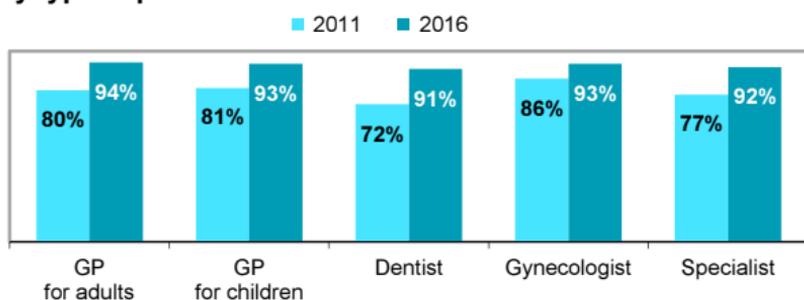
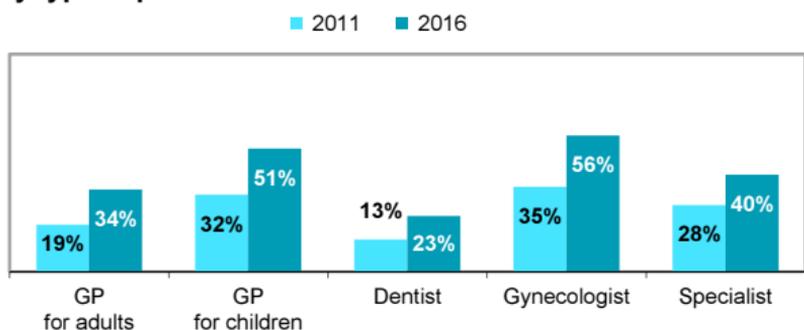


Figure G3 Independent physicians with a website by type of practice



as a percentage of all independent physicians of a given practice

Tab. G2 On-line services offered by independent physicians in the Czech Republic; 2016

	%		
	Appointment	Consultation	Prescription
Total	12,2	12,3	8,9
General practitioners (GP) for adults	16,4	12,2	14,5
General practitioners (GP) for children	18,8	21,3	13,4
Dentists	5,5	4,9	1,4
Gynecologists	22,9	29,2	21,7
Specialists	10,9	12,8	7,5

as a percentage of all independent physicians of a given practice

Figure G4 Independent physicians with a website application for making on-line appointment by type of practice

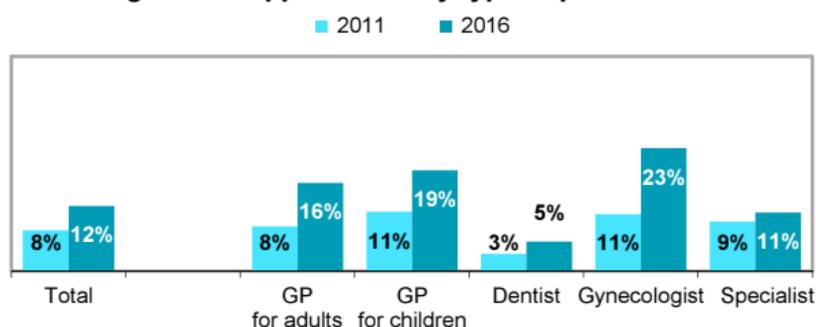


Figure G5 Independent physicians with a website application for making on-line consultation by type of practice

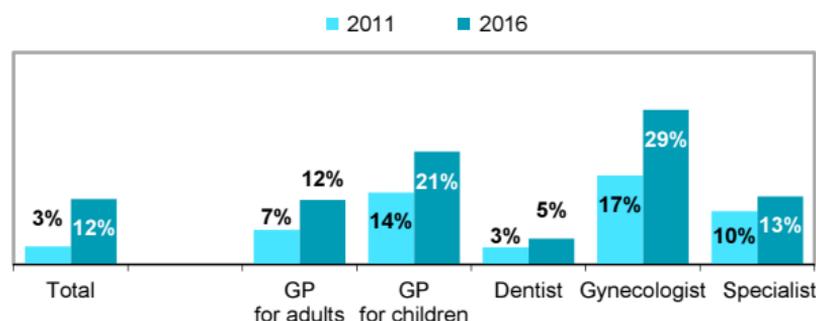
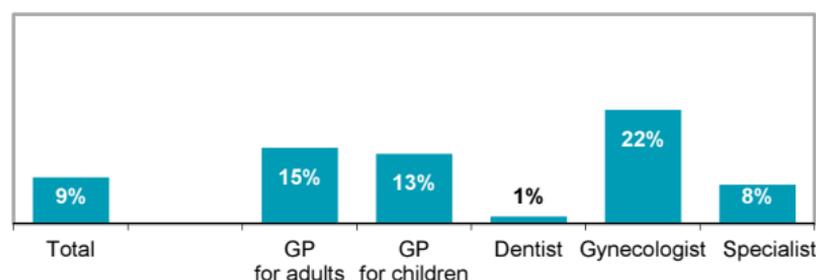


Figure G6 Independent physicians with a website application for making on-line prescription by type of practice; 2016



as a percentage of all independent physicians of a given practice

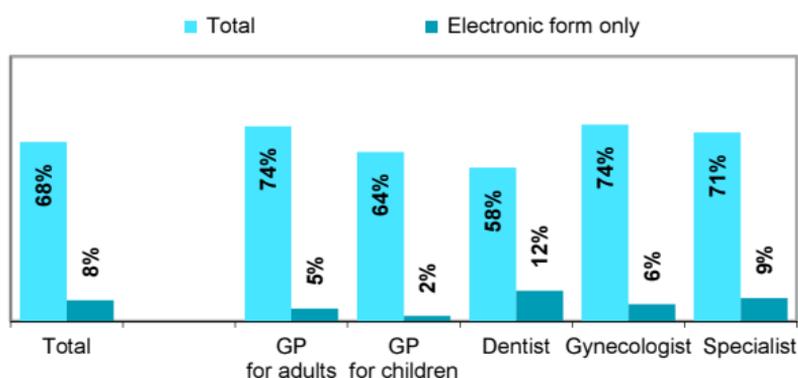
Tab. G3 Independent physicians in the Czech Republic storing medical patient data in electronic form; 2016

	Total*	of which only electronically
Total	67,6	7,9
General practitioners (GP) for adults	73,6	4,8
General practitioners (GP) for children	63,9	2,1
Dentists	58,1	11,6
Gynecologists	74,3	6,4
Specialists	71,3	8,8

as a percentage of all independent physicians of a given practice

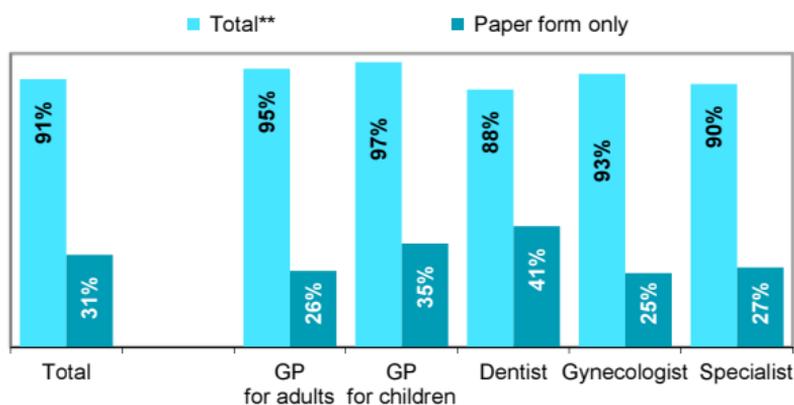
* includes independent physicians storing at least part of medical patient data in electronic form on their computer or the internet

Figure G7 Independent physicians storing medical patient data in electronic form; 2016



as a percentage of all independent physicians of a given practice

Figure G8 Independent physicians storing medical patient data in paper form; 2016



** includes independent physicians storing at least part of medical patient data in paper form

as a percentage of all independent physicians of a given practice

Tab. G4 Independent physicians in the Czech Republic using selected functions of their electronic health systems; 2016

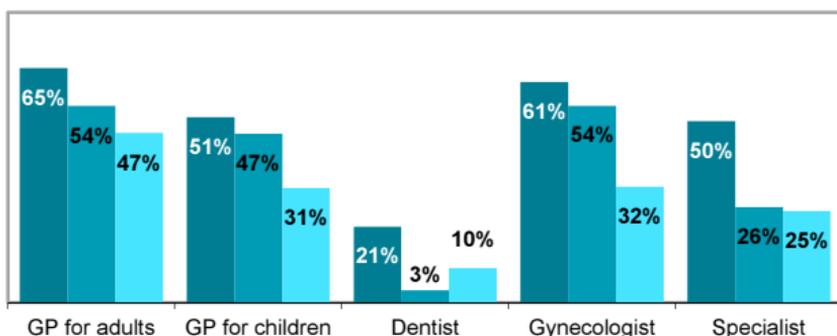
%

	Medical prescription	Drug-interaction alerts	Laboratory examinations results
Total	46,1	26,8	30,0
General practitioners (GP) for adults	64,7	46,8	54,2
General practitioners (GP) for children	51,1	31,5	46,6
Dentists	20,9	9,6	3,4
Gynecologists	60,8	31,9	54,2
Specialists	50,0	25,2	26,3

as a percentage of all independent physicians of a given practice

Figure G9 Independent physicians using selected functions of their electronic health system; 2016

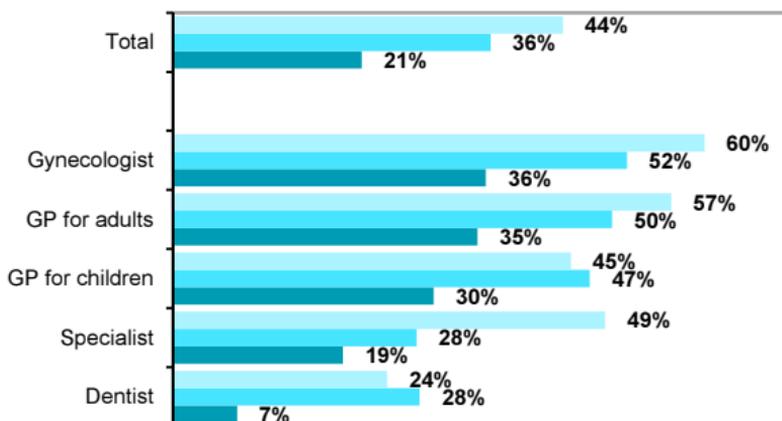
■ Medical prescription ■ Laboratory examinations results ■ Drug-interaction alerts



as a percentage of all independent physicians of a given practice

Figure G10 Independent physicians using electronic health systems for generating selected patient extracts; 2016

■ Patients by diagnosis
 ■ Patients for appointment*
 ■ Patients by laboratory examinations results



* list of patients for general medical examination, tests etc.

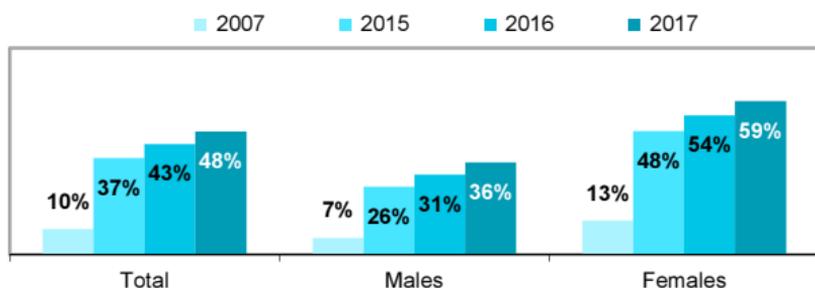
as a percentage of all independent physicians of a given practice

Tab. G5 Individuals in the Czech Republic looking for health related information via the internet

	%		
	2015	2016	2017
Total (aged 16+)	37,3	42,7	47,7
Total (aged 16-74)	39,9	45,8	51,1
Sex:			
Males (aged 16+)	26,4	31,0	35,7
Females (aged 16+)	47,9	53,8	59,4
Age group:			
16-24 year-olds	22,9	33,8	41,8
25-34 year-olds	45,7	50,3	58,7
35-44 year-olds	48,1	53,4	62,3
45-54 year-olds	47,5	53,6	57,6
55-64 year-olds	40,9	43,9	47,5
65 year-olds and over	18,1	22,8	23,2
Education attainment level (aged 25+):			
Basic	12,8	15,1	16,7
Secondary without A-level exam.	28,3	33,5	36,4
Secondary with A-level exam.			
or Higher professional	49,4	56,2	59,6
University	57,1	59,8	67,0
Specific groups:			
Women on maternity leave	68,3	75,5	83,2
Students (aged 16+)	19,6	34,3	42,0
Pensioners	21,9	25,6	26,0

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

Figure G11 Individuals looking for health related information by sex



as a percentage of all individuals in a given group

Figure G12 Individuals looking for health related information by sex and age; 2017

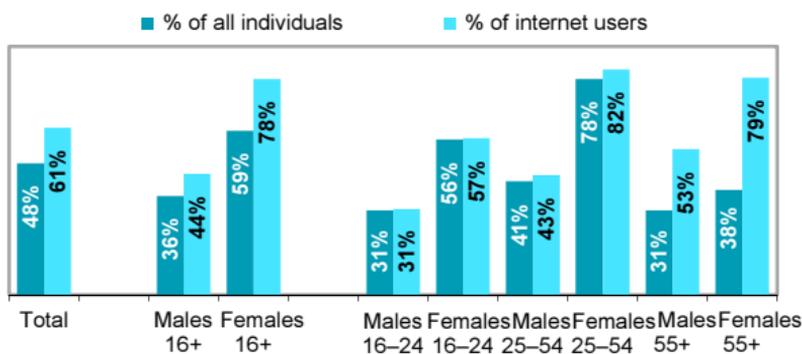
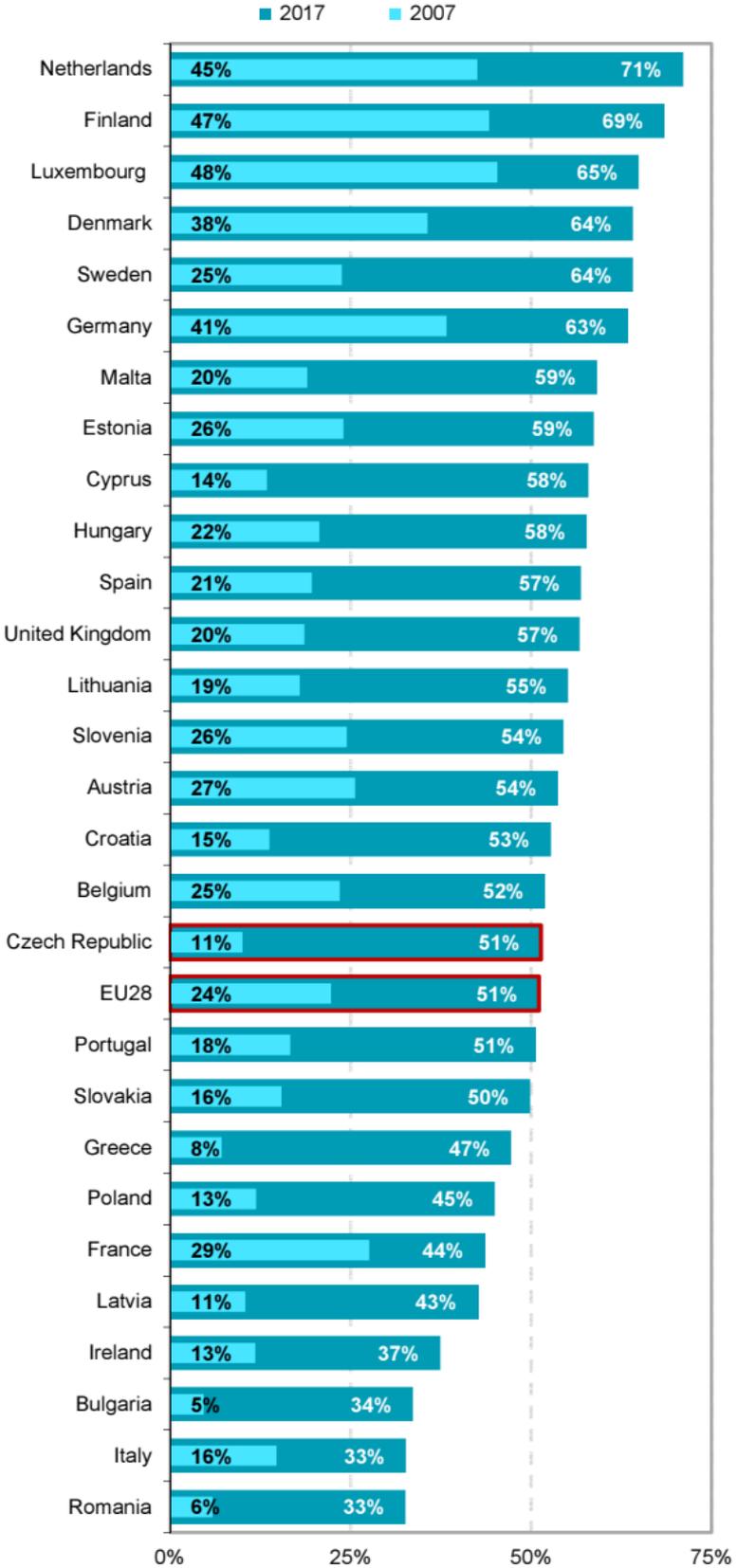
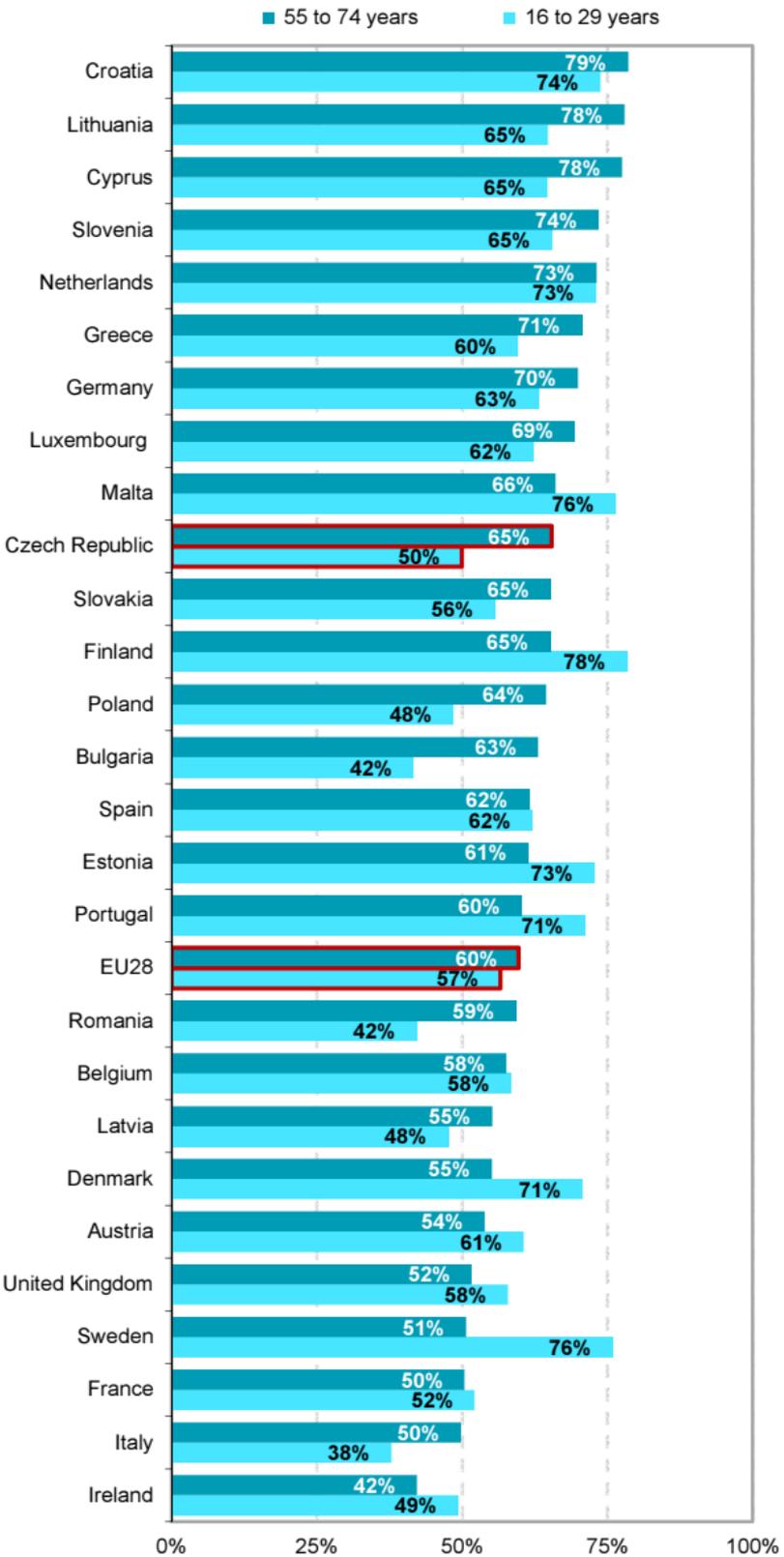


Figure G13 Individuals in EU countries looking for health related information via the internet



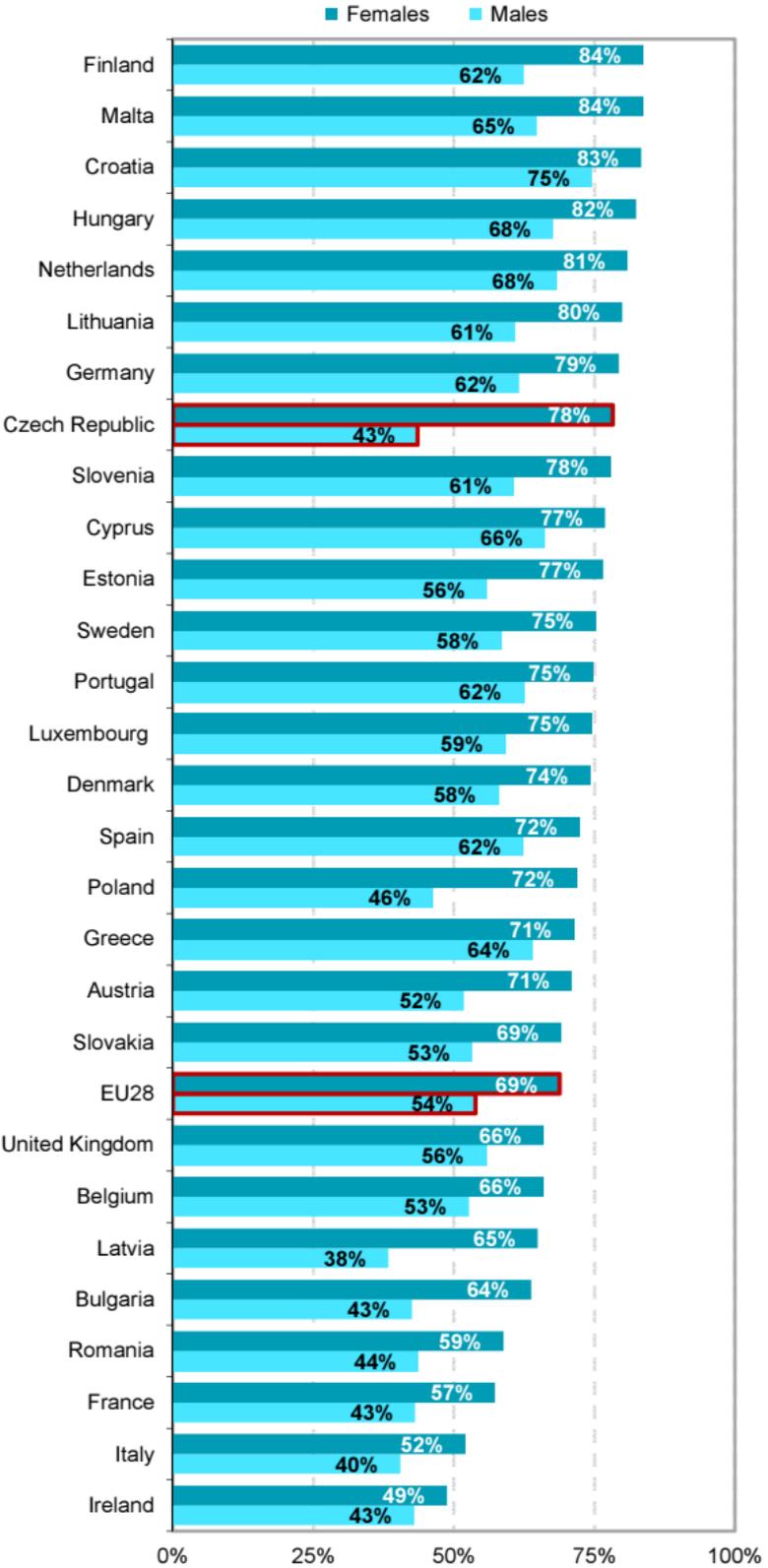
as a percentage of all individuals aged 16 to 74 in a given country

Figure G14 Internet users in EU countries looking for health related information by age; 2017



as a percentage of all internet users aged 16 to 74 in a given country and age group

Figure G15 Internet users in EU countries looking for health related information by sex; 2017



as a percentage of women and men internet users aged 16 to 74 in a given country

Tab. G6 Individuals in the Czech Republic using on-line services in healthcare; 2016

	%	
	On-line appointment	On-line consultation
Total (aged 16+)	8,1	4,0
Total (aged 16-74)	8,8	4,3
Sex:		
Males (aged 16+)	5,2	2,6
Females (aged 16+)	10,9	5,3
Age group:		
16-24 year-olds	7,2	2,7
25-34 year-olds	11,8	5,0
35-44 year-olds	12,2	6,5
45-54 year-olds	10,3	4,9
55-64 year-olds	6,1	3,0
65 year-olds and over	1,9	1,6
Education attainment level (aged 25+):		
Basic	1,5	0,8
Secondary without A-level exam.	3,4	2,1
Secondary with A-level exam.		
or Higher professional	11,4	5,4
University	17,0	8,5
Specific groups:		
Women on maternity leave	20,7	11,8
Students (aged 16+)	7,0	1,7
Pensioners	1,9	1,2

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

Figure G16 Individuals, who consulted a practitioner on-line by sex and age; 2016

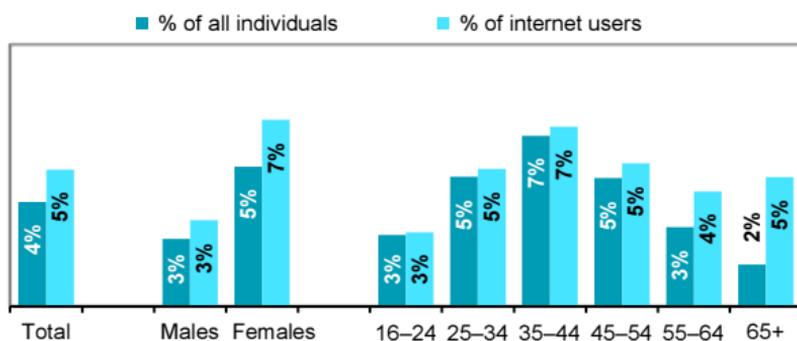
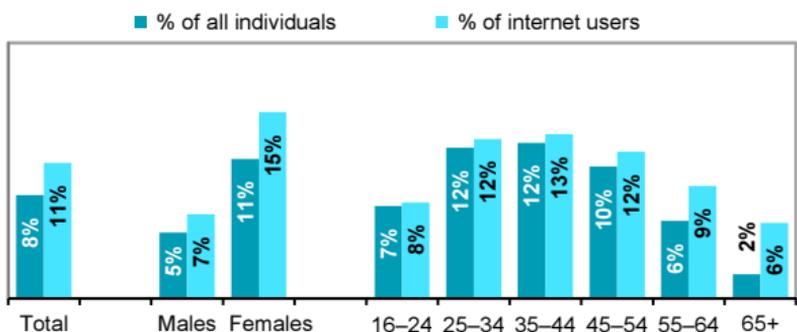
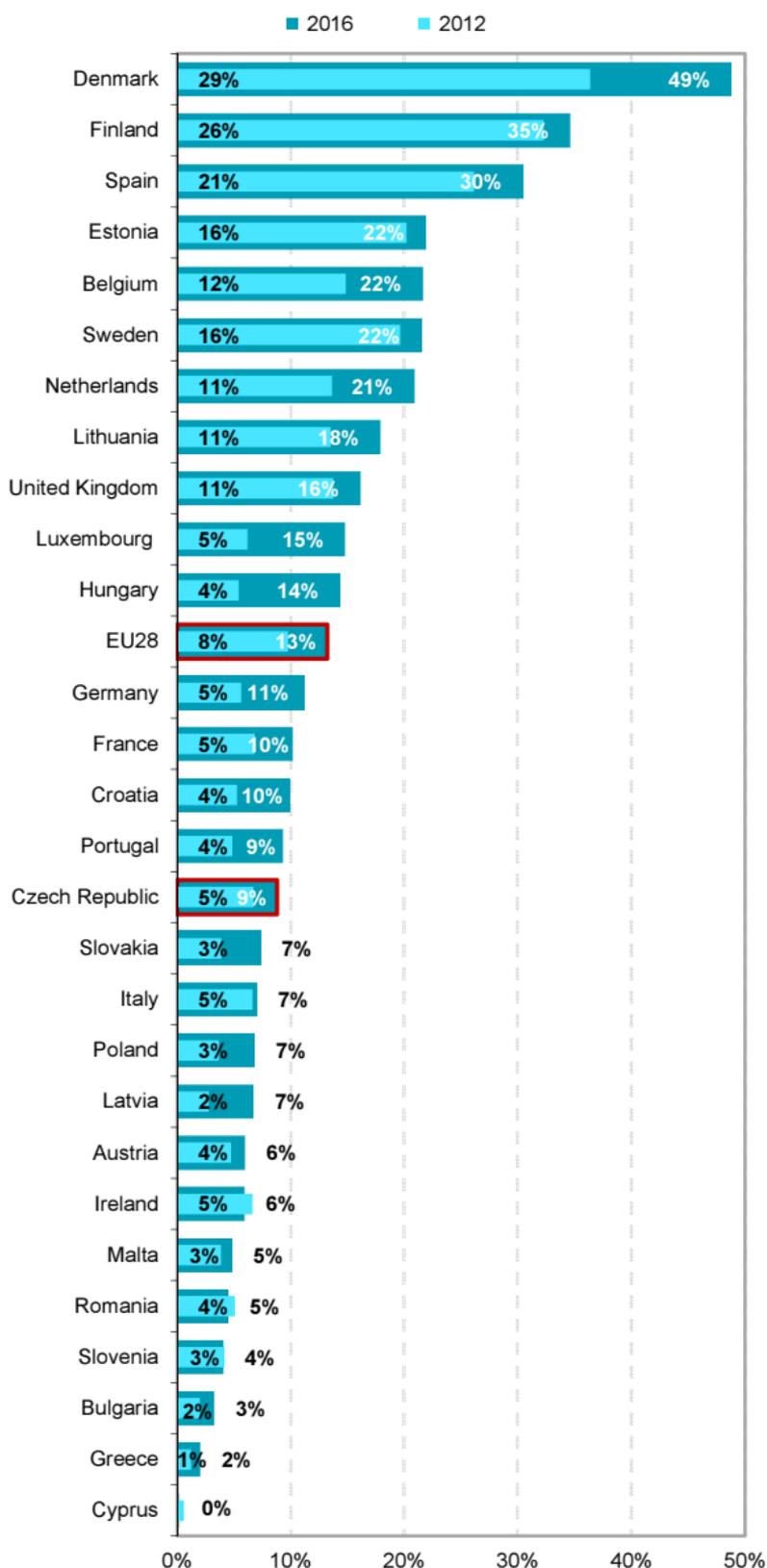


Figure G17 Individuals, who made an on-line appointment with a practitioner by sex and age; 2016



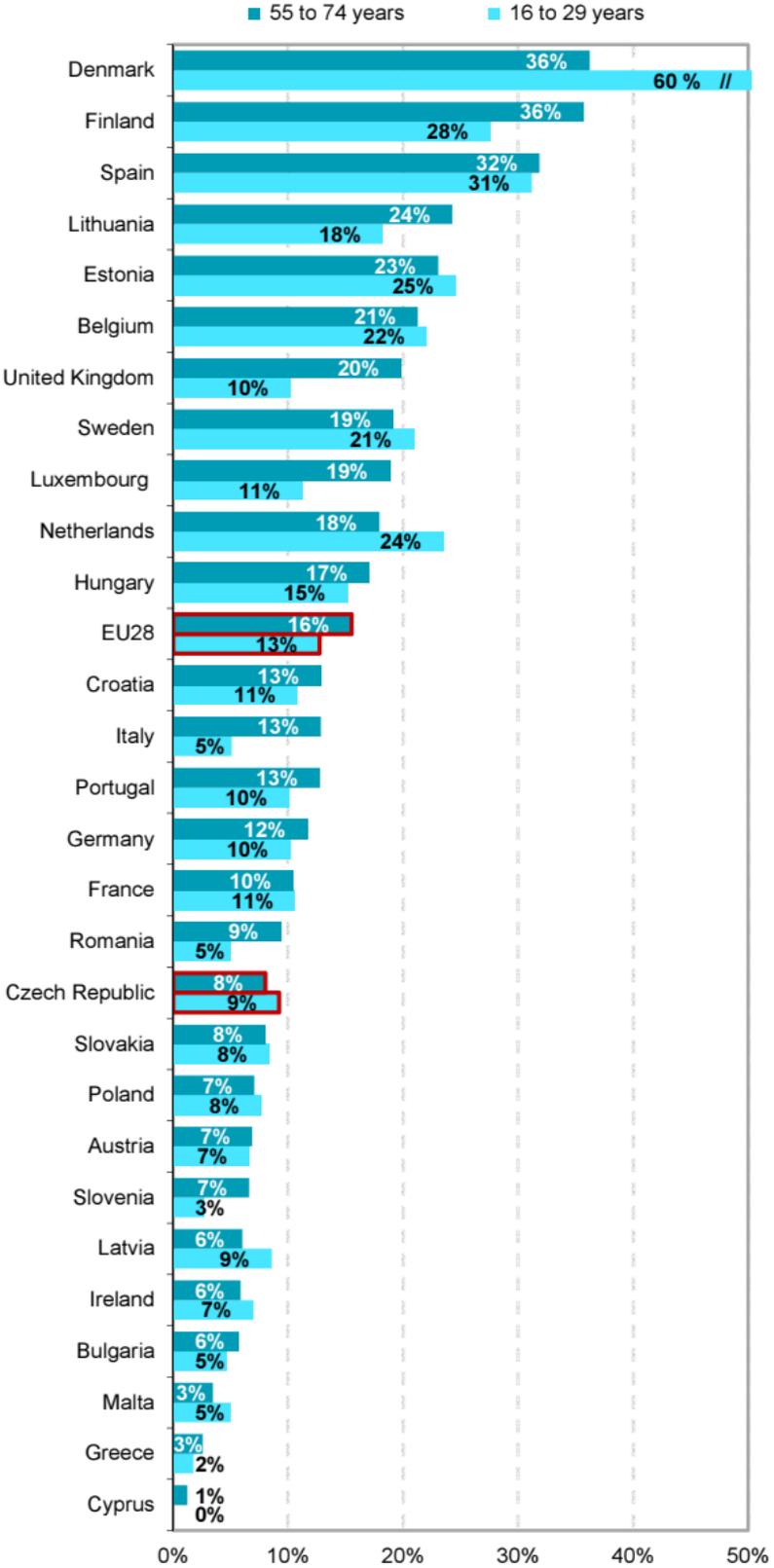
Source: Czech Statistical Office, ICT use survey in households, 2018

Figure G18 Individuals in EU countries aged 16-74 who made an on-line appointment with a practitioner



as a percentage of all individuals aged 16 to 74 in a given country

Figure G19 Internet users in EU countries, who made an on-line appointment with a practitioner by age; 2016



as a percentage of all internet users aged 16 to 74 in a given country and age group