

F Health establishments

Information technologies are a very important corner stone of more effective health care. Not only as a tool saving costs, but also to increase the quality of health care and patients' security. Czech Statistical Office (CZSO) has been collecting data **on the adoption and use of information technologies in health care** since 2003. To manage that, CZSO uses three main data sources.

Since 2003 the CZSO in cooperation with the Institute of Health Information and Statistics of the Czech Republic (IHIS CR) has used results from a short module related to **ICT usage in the health-care facilities** as a main data source for measuring development of eHealth in the Czech Republic. This module is conducted annually as part of a mandatory yearly statement on employers, employees and other contracted workers.

Reference period: End of the monitored year for ICT equipment of health establishments and entire reference year for internet activities undertaken by independent physicians.

Target population of the survey covers all health care facilities and providers in the Czech Republic. However, in this chapter, data are published only for **practices of independent physicians**. In 2012, the most recent period of data available, a total of 20 221 practices of independent physicians were surveyed, and 99,7% of them answered the questionnaire.

Available breakdowns: Data on the use of Internet and web sites by independent physicians are available by their type of practice. Independent doctor's practices include GPs for adults and youth, dentists, gynaecologist and specialists. Special doctor's practices include offices such as of dermatologists, urologists, ophthalmologists etc.

Definitions:

- **Broadband** – see definition in Chapter A of this publication
- **GPs** – general practitioner
- **Electronic health record** is the use of internet-based medical documentation.
- **Online appointment system** offers the possibility to make appointments through the health establishment's website, using online form (e-mail is not included).
- **Online 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.
- **Seeking health related information** – seeking information about diseases, treatment, diagnostics, nutrition etc. on internet at least once in the last 3 months preceding the interview for personal non-business use.

Detailed regional breakdown data on ICT in health establishments can be found in chapter 18 of each **Regional yearbook**.

<http://www.czso.cz/eng/edicniplan.nsf/aktual/ep-1#10>

The second source **Hospitals' web survey** is carried out by the Czech Statistical Office, and focuses on information and on-line services available or accessible on hospitals' web sites.

Information about individuals reporting seeking health related information on the internet 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.

The **Eurostat** online database for **Information society statistics** was used to obtain international data on Internet use by students. *Data from this database were extracted in March 2014.*

Further information on eHealth statistics can be found at:

http://www.czso.cz/eng/redakce.nsf/i/information_technologies_in_the_czech_health_sector

F Health establishments

Tab. F1 Selected ICT used by independent physicians in the Czech Republic; 2012

	Computer	Internet	Websites
Total	90,8	81,5	26,5
GPs for adults	90,8	89,8	23,4
GPs for children	89,9	83,8	40,7
Stomatologist	88,5	76,3	15,0
Gynecologist	93,7	86,7	39,6
Specialists	92,4	82,8	31,5

as a percentage of all independent physicians' offices in a given category

Figure F1 Independent physicians with Internet access and websites

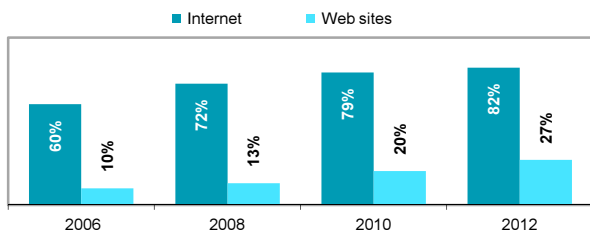


Figure F2 Independent physicians with Internet access in their office by type of practice

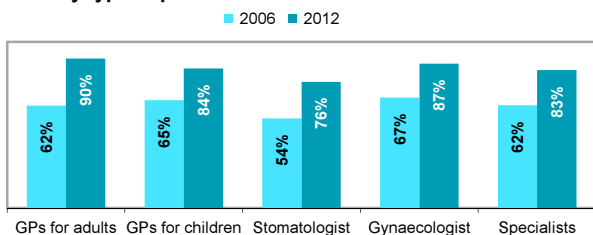
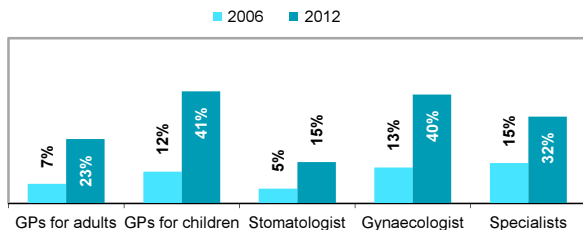


Figure F3 Independent physicians with a websites by type of practice



as a percentage of all independent physicians' offices in a given category

Source: Institute of Health Information and Statistics of the Czech Republic

F Health establishments

Tab. F2 Applications on Independent physicians' websites in the Czech Rep.; 2012

	Online appointment	Online consultation
Total	8,5	9,7
GPs for adults	8,9	7,5
GPs for children	13,7	17,0
Stomatologist	4,1	3,9
Gynecologist	11,4	19,1
Specialists	9,9	12,1

%

as a percentage of all independent physicians' offices in a given category

Figure F4 Applications on independent physicians' websites

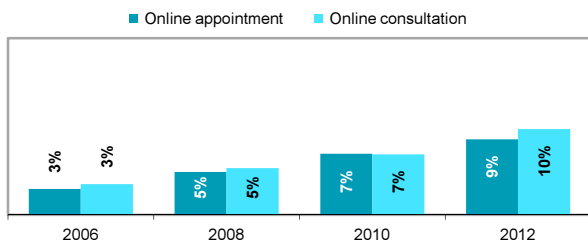


Figure F5 Independent physicians enabling online appointments via their websites

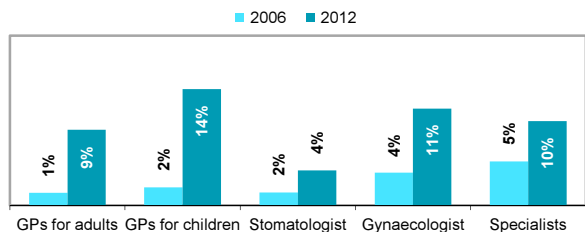
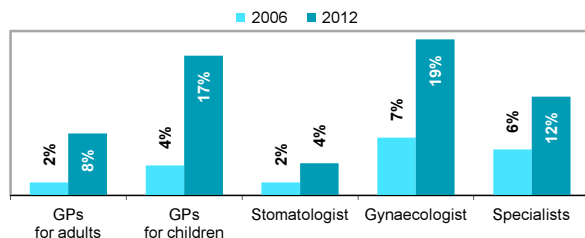


Figure F6 Independent physicians enabling online consultations via their websites



as a percentage of all independent physicians' offices in a given category

Source: Institute of Health Information and Statistics of the Czech Republic

F Health establishments

Tab. F3 Individuals using Internet for seeking health-related information in the Czech Republic

	%		
	2011	2012	2013
Celkem 16+	29,0	36,2	38,5
Total 16-74	31,1	39,0	41,6
Gender:			
Males (aged 16+)	20,0	26,7	28,6
Females (aged 16+)	37,5	45,2	47,7
Age group:			
16–24 years	18,4	30,0	38,1
25–34 years	37,9	48,6	52,1
35–44 years	42,0	47,3	51,7
45–54 years	36,9	48,3	46,8
55–64 years	25,0	33,8	34,3
65 and more years	11,5	11,0	12,0
Highest education level (aged 25+):			
Basic	8,9	12,4	10,9
Lower secondary (ISCED 3C)	19,1	26,2	28,6
Upper secondary (ISCED 3A and 4)	41,6	49,6	49,5
Tertiary (ISCED 5-6)	52,2	59,3	58,9
Specific categories:			
Students (aged 16+)	17,7	30,0	37,0
Women on maternity or parental leave	63,7	77,4	72,2
Pensioners	13,5	14,3	15,2

as a percentage of all individuals aged 16+ in a given category

Figure F7 Individuals using Internet for seeking health-related information

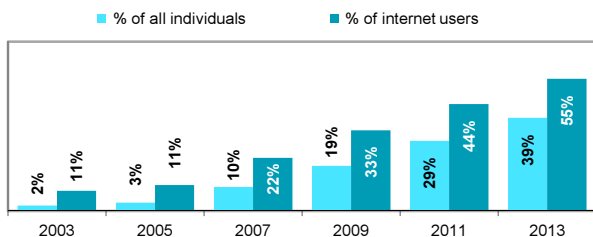
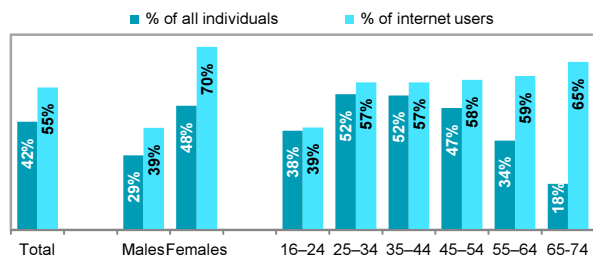


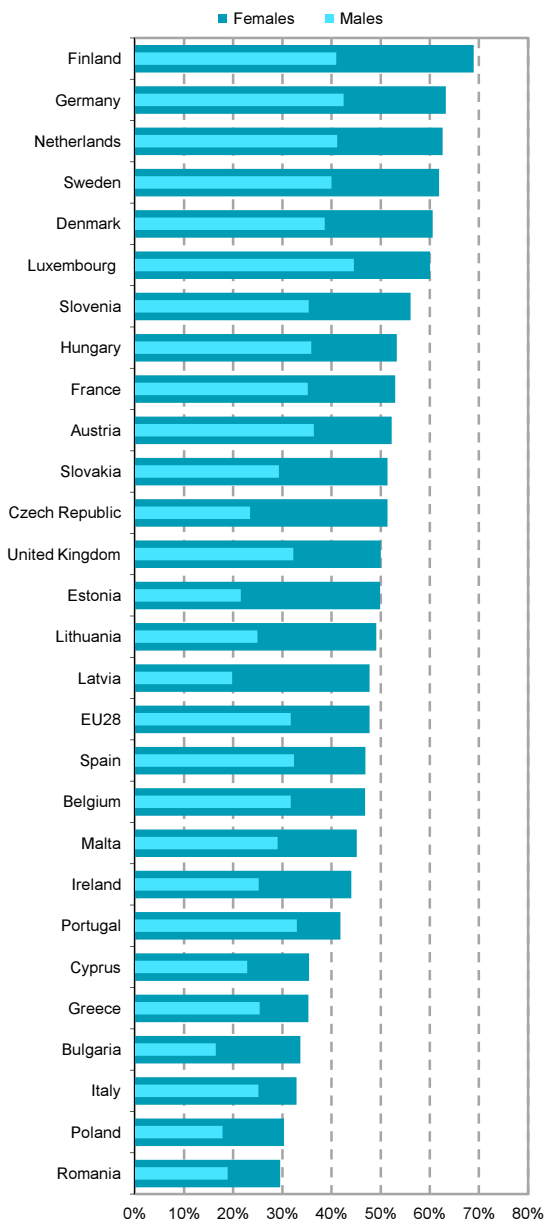
Figure F8 Individuals using Internet for seeking health-related information by gender and age; 2013



Source: Czech Statistical Office, Household Survey on ICT Use

F Health establishments

Figure F9 Individuals using Internet for seeking health-related information by gender; 2013

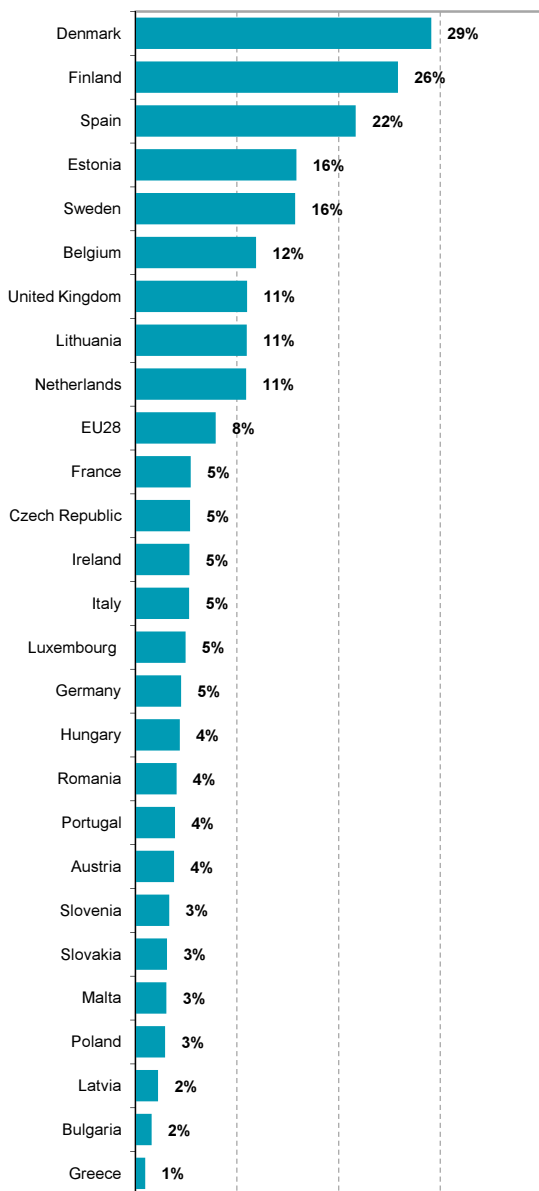


as a percentage of all individuals aged 16 to 74 in a given category and country

Source: Eurostat 2014

F Health establishments

Figure F10 Individuals using the Internet for consultation with physicians; 2012



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

Source: Eurostat 2014