

## G Health establishments

The Czech Statistical Office (CZSO) in cooperation with the Institute of Health Information and Statistics of the Czech Republic (IHIS) that is a state-subsidized organization administered by the Ministry of Healthcare of the Czech Republic developed a short module (set of basic questions) related to ICT usage in the health-care facilities. This module is a part of the questionnaires used for the census surveys carry out by the Ministry of Healthcare of the Czech Republic for health-care institutions.

The data on use of the Internet by individuals **for seeking health related information** (information about diseases, treatment, diagnostics, nutrition etc.) comes from an independent annual statistical survey titled: "Sample Survey on the Use of Information and Communication Technologies in Households and Among Individuals". For more information see Chapter C. Eurostat database was used as a data source for an international comparison.

### Definitions:

- **GPs** – general practitioner
- **Internet user** – person who used at least once the Internet in the last 3 months preceding the interview from any location (home, work, school, etc.) and for any purpose (personal use, work related use, education, etc.).
- **Broadband connection** includes one of the following Internet access services that enable a high speed internet connection (256 or more kbit/s, in one or both directions): xDSL (ADSL etc.), Cable TV (cable modem/CATV), WiFi and other fixed wireless connections (FWA), connections via mobile networks (EDGE, CDMA, or UMTS) and other such as Fibre, LAN, Satellite technologies, etc.
- **Seeking health related information** – seeking information about diseases, treatment, diagnostics, nutrition etc. on internet
- **Keeping health records on the Internet** is the use of health books via the Internet (e.g., the implementation of the IZIP project – Internet-based Access to Patient Health Information).
- **Making online appointments** is making appointments through the health establishment's website, using online form (e-mail is not included).
- **Online consultation** is a possibility to ask health-related questions, which the health establishment answers by e-mail or may publish the response on its website.

**More detailed information and data are available free of charge at the following dedicated website (only in Czech):**

[http://www.czso.cz/csu/redakce.nsf/i/informacni\\_technologie\\_ve\\_zdravotnictvi](http://www.czso.cz/csu/redakce.nsf/i/informacni_technologie_ve_zdravotnictvi)

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Tab. G1 IT in health establishments in the Czech Republic; 2008

	Computer	Internet	Broadband
<b>medical offices of physicians, total</b>	<b>95,5</b>	<b>72,4</b>	<b>43,6</b>
GPs for adults	95,3	73,1	44,3
GPs for children	92,3	72,6	44,1
Stomatologist	95,3	70,3	38,8
Gynaecologist	97,0	83,1	56,9
Independent specialists	96,4	71,6	44,4
<b>Pharmacies</b>	<b>99,9</b>	<b>97,0</b>	<b>74,4</b>

as a percentage of all health establishments in a given category

Figure G1 Health establishments with access to the Internet

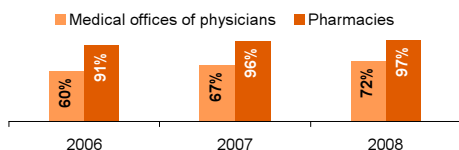
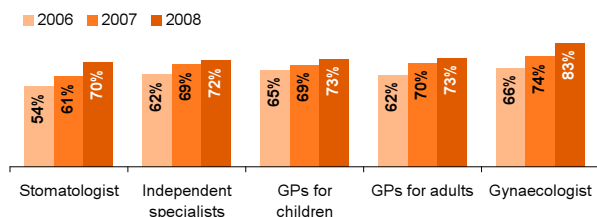
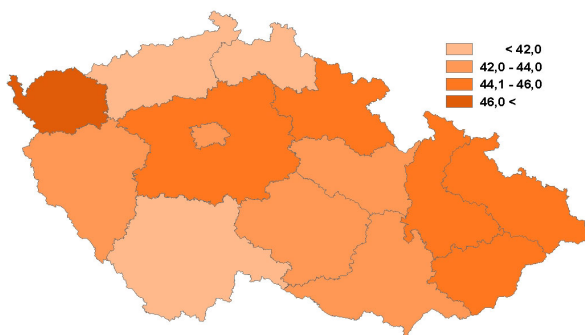


Figure G2 Medical offices of physicians with access to the Internet



as a percentage of all medical offices of physicians in a given category

Figure G3 Medical offices of physicians with a broadband connection by regions (%); 2008



as a percentage of all medical offices of physicians in each region

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

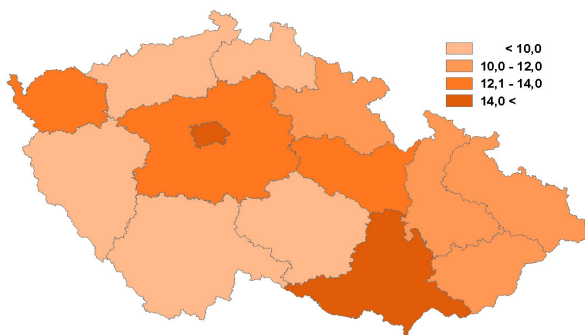
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Tab. G2 Health establishments with websites in the CR

	%		
	2006	2007	2008
<b>Medical offices of physicians, total</b>	<b>10,0</b>	<b>11,2</b>	<b>13,1</b>
GPs for adults	7,1	8,1	9,0
GPs for children	11,5	14,5	16,9
Stomatologist	5,4	5,8	6,7
Gynaecologist	13,0	15,3	19,6
Independent specialists	14,6	15,9	18,5
<b>Pharmacies</b>	<b>24,9</b>	<b>26,6</b>	<b>31,6</b>

as a percentage of all health establishments in a given category

Figure G4 Medical offices of physicians with a Website by regions (%); 2008



as a percentage of all medical offices of physicians in each region

Figure G5 Websites of physicians enabling online appointments

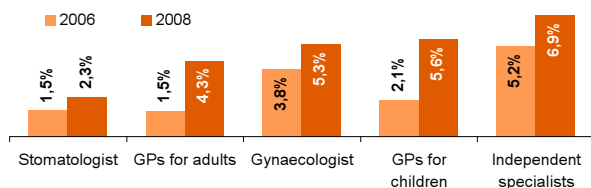
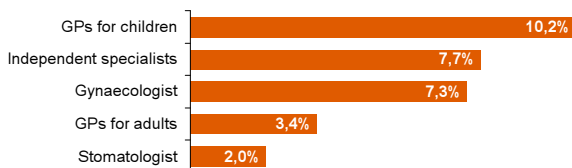


Figure G6 Websites of physicians enabling online consultations; 2008



as a percentage of all medical offices of physicians in a given category

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

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Tab. G3 Physicians using the Internet for selected activities in the Czech Republic

	%		
	2006	2007	2008
<b>for access to:</b>			
practical medicine	57,9	61,1	62,5
theoretical medicine	52,2	55,4	57,8
pharmacy	50,4	53,7	57,0
<b>for communication with:</b>			
business partners	36,8	42,5	45,8
health insurance companies	35,5	41,7	48,2
other health establishments	28,2	34,2	37,9
patients	17,8	24,8	28,3
pharmacies	7,1	9,4	11,3

\* it includes use of the Internet both in surgeries and at home of GPs as a percentage of all medical offices of physicians

Figure G7 Physicians using e-mail for communication with patients

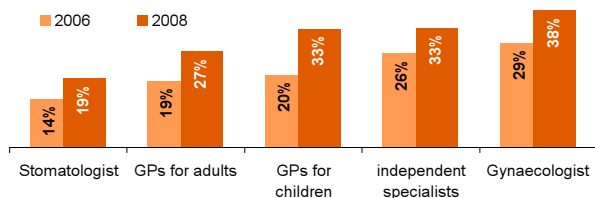


Figure G8 Physicians using e-mail for communication with other health establishments

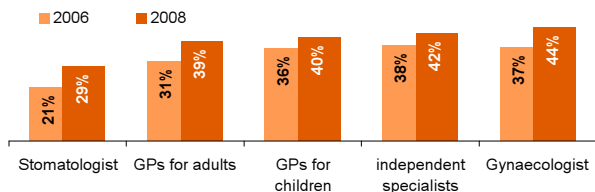
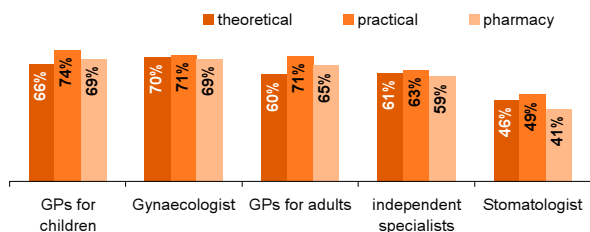


Figure G9 Physicians using the Internet for seeking health information; 2008



as a percentage of all medical offices of physicians in a given category

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

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**Tab. G4 Physicians keeping health records on a computer in the Czech Republic**

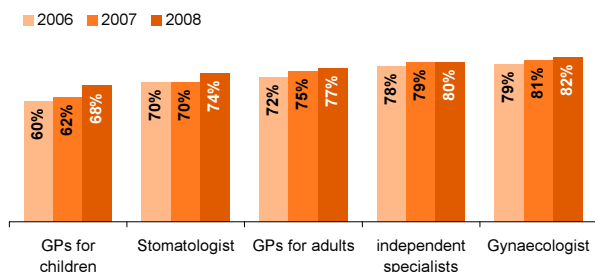
	%		
	2006	2007	2008
<b>medical offices of physicians</b>	<b>72,4</b>	<b>74,1</b>	<b>76,5</b>
GPs for adults	72,2	75,4	76,9
GPs for children	60,0	62,0	68,0
Stomatologist	69,7	69,8	74,0
Gynaecologist	78,7	80,9	82,4
independent specialists	77,5	79,4	79,8

**Tab. G5 Physicians keeping health records on the Internet in the Czech Republic**

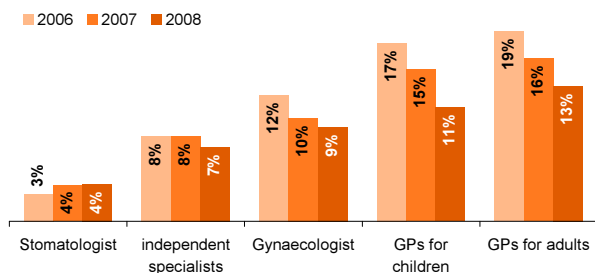
	%		
	2006	2007	2008
<b>medical offices of physicians</b>	<b>10,3</b>	<b>9,5</b>	<b>8,1</b>
GPs for adults	18,6	15,9	13,2
GPs for children	17,4	14,8	11,2
Stomatologist	2,7	3,5	3,6
Gynaecologist	12,4	10,1	9,2
independent specialists	8,3	8,3	7,3

as a percentage of all medical offices of physicians in a given category

**Figure G10 Physicians keeping health records on a computer**



**Figure G11 Physicians keeping health records on the Internet**



as a percentage of all medical offices of physicians in a given category

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

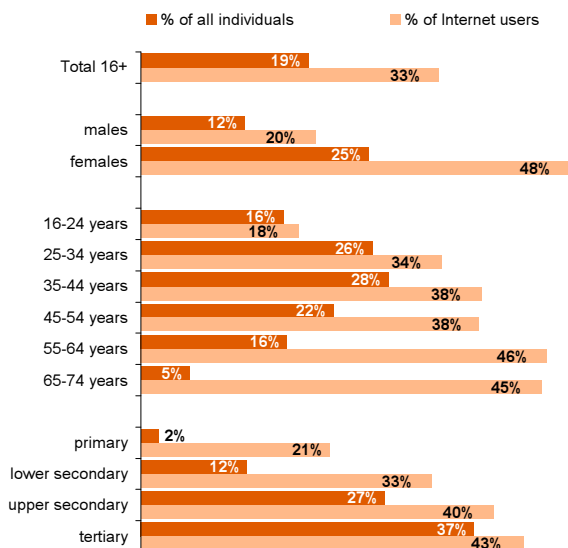
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Tab. G6 Individuals using the Internet for seeking health information in the Czech Republic

	%		
	2007	2008	2009
<b>Total 16+</b>	9,9	13,1	18,7
Total (aged 16-74)	10,7	14,2	20,1
<b>Gender:</b>			
males (aged 16+)	6,5	8,1	11,6
females (aged 16+)	13,1	17,9	25,4
<b>Age group:</b>			
16-24 years	7,1	8,3	15,9
25-34 years	12,8	19,0	25,9
35-44 years	17,1	20,3	27,7
45-54 years	12,8	16,4	21,5
55-64 years	7,7	10,7	16,4
65-74 years	2,1	4,4	5,4
<b>Highest education level (aged 25+):</b>			
primary (ISCED 0-2)	1,2	2,6	2,0
lower secondary (ISCED 3C)	4,3	7,4	11,8
upper secondary (ISCED 3A and 4)	16,5	20,8	27,3
tertiary (ISCED 5-6)	24,9	29,6	37,3
<b>Specific categories:</b>			
students (aged 16+)	7,2	7,4	16,0
pensioners	1,6	3,5	5,6

as a percentage of all individuals aged 16 years and over

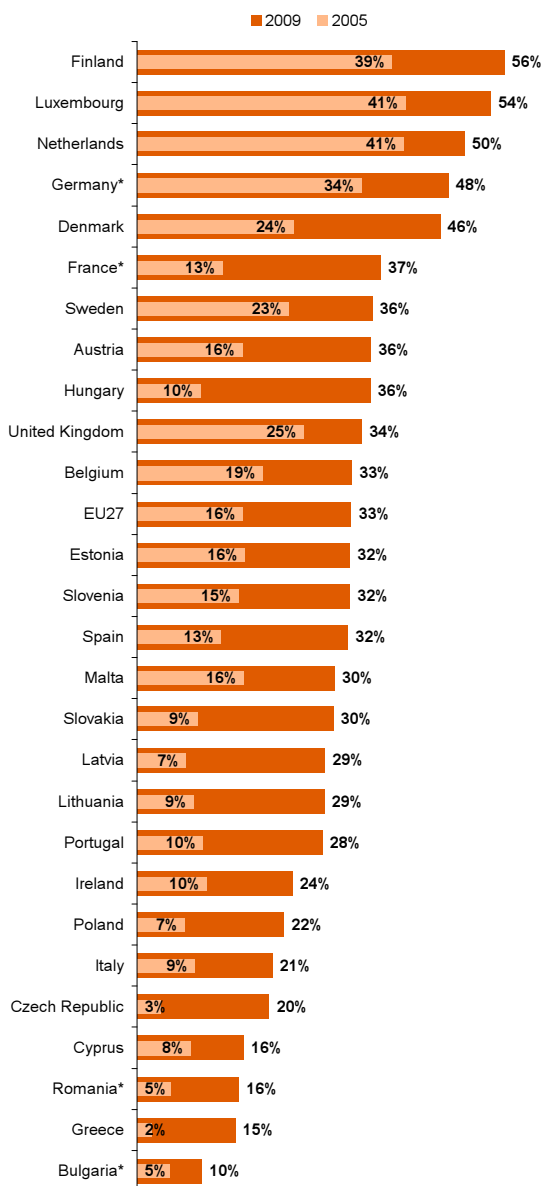
Figure G12 Individuals using the Internet for seeking health information; 2009



Source: Czech Statistical Office, Household Survey on ICT Use

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**Figure G13 Individuals using the Internet for seeking health information**



as a percentage of all individuals aged 16 to 74 in a given category  
 \* the year 2006 instead of the reference year 2005

Source: Eurostat, 2010

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Tab. G7 Hospitals with websites in the Czech Republic

	%		
	2007	2008	2009
<b>Total</b>	<b>89,0</b>	<b>92,0</b>	<b>96,8</b>
<i>language version of web site</i>	23,8	21,8	20,4
1 foreign language	11,6	10,3	14,0
2 and more foreign languages	12,2	11,5	6,4
English	17,7	21,2	19,1
German	28,2	7,9	5,1
other	11,6	4,2	2,5
<i>applications on web sites</i>			
map of websites	17,7	20,6	30,6
browser	25,6	41,2	52,2
<i>information on web sites</i>			
news	65,9	79,4	84,1
contact	82,9	90,9	94,3
opening hours		59,4	77,7
about us	62,8	77,0	85,4

Figure G14 Information available on hospitals' websites

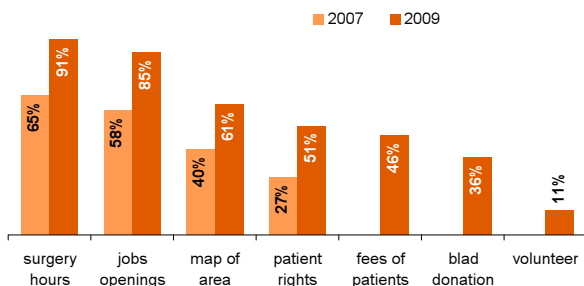
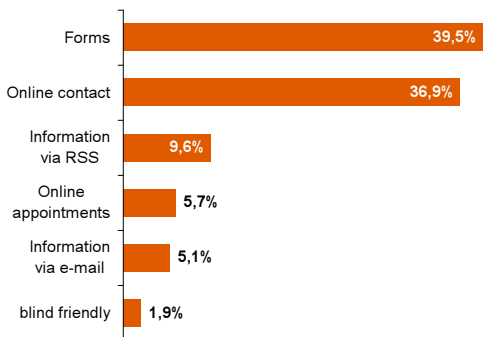


Figure G15 Services available on hospitals' websites; July 2008



as a percentage of all hospitals

Source: Czech Statistical Office, Website content survey of hospitals