

## B Households and individuals

Since 2003, the Czech Statistical Office has been conducting periodic annual surveys on ICT usage in households and by individuals. The pilot survey was carried out in a limited number of respondents in 2002.

The Czech statistical office carried out the 5<sup>th</sup> annual survey on information and communication technologies usage in households and by individuals in the 2nd quarter 2007.

The survey is implemented in the framework of the CZSO's labour force sample survey (LFSS), in which separated questionnaire is used. This permitted to relate the ICT data to socio-demographic characteristics of persons in individual households. The survey was run on a sample of 10 000 individuals aged 16+ and its questionnaire comprised 37 ICT related questions, of which 5 for households and 32 for individuals. Computer Aided Personal Interview was used as a data collection method (CAPI).

Eurostat database was used as data source for international comparison.

### Notes:

**Target population:** Population in the age 16+, 8,7 mil. Individuals; All households – 4,2 mil.

**Sample:** 7059 households and 9907 individuals aged 16+

**Reference and survey period:** In general, the data relates to the first quarter of the reference year. Majority variables refer to the last three months (the three months preceding the interview).

**Age breakdown:** According to Eurostat the population of individuals consists of all individuals aged 16 to 74. According to CZSO the population of individuals consists of all individuals aged 16+.

**Individuals with primary education** include also high school students. Percentage of PC users, Internet users etc. with primary level of education is without high school students significantly lower.

### Definitions:

- **Personal computer/Internet user** – person who used a personal computer/internet in the last 3 months
- **Densely populated area** – this is a contiguous set of local areas, each of which has a density superior to 500 inhabitants per square kilometre, where the total population for the set is at least 50,000 inhabitants.
- **Intermediate area** – this is a contiguous set of local areas, not belonging to a densely-populated area, each of which has a density superior to 100 inhabitants per square kilometre, and either with a total population for the set of at least 50,000 inhabitants or adjacent to a densely-populated area.
- **Thinly populated area** – this is a contiguous set of local areas belonging neither to a densely-populated nor to an intermediate area.
- **Broadband** – ADSL, Cable TV, wireless and other types of access with speed connection 256 kb/s and more

For more detailed information on this survey see: "Use of ICT in households and by individuals in 2007; code: 9701-07" that is available free of charge on the Czech Statistical Office website address: <http://www.czso.cz/csu/2007edicniplan.nsf/engp/9701-07>

## B Households and individuals

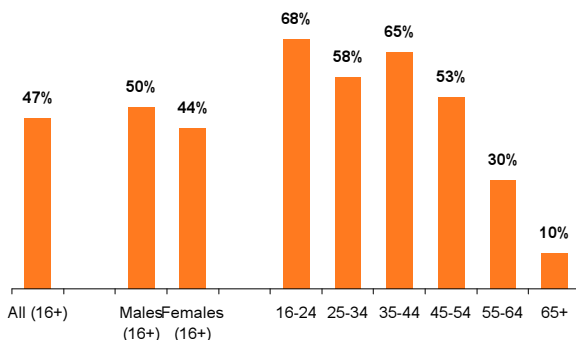
**Table B1 Households with a personal computer**

%

	2003	2006	2007
<b>All households</b>	<b>23.8</b>	<b>35.7</b>	<b>39.6</b>
<b>by type of household</b>			
<b>Households without dependent child.</b>		<b>21.0</b>	<b>24.0</b>
one adult without children		13.2	15.9
two adults without children		21.9	25.3
three or more adults without children		39.7	43.6
<b>Households with dependent child(ern)</b>		<b>62.0</b>	<b>67.0</b>
one adult with child(ren)		47.3	49.8
two adults with child(ren)		64.7	69.6
three or more adults with child(ren)		61.9	68.6
<b>by type of locality</b>			
densely-populated area (big cities)		38.5	45.2
intermediate urbanized area (urban areas)		35.0	37.7
thinly-populated area (rural areas)		33.6	35.9
<b>by region (NUTS3)</b>			
Praha	37.5	42.4	53.4
Středočeský	23.8	36.5	37.2
Jihočeský	19.0	32.9	40.6
Plzeňský	22.7	39.1	34.1
Karlovarský	21.9	38.7	36.9
Ústecký	17.3	24.9	33.6
Liberecký	24.0	32.4	39.0
Královéhradecký	20.2	34.4	40.5
Pardubický	25.4	38.7	40.1
Vysočina	27.8	37.1	42.0
Jihomoravský	29.8	37.3	40.1
Olomoucký	14.5	30.5	26.3
Zlínský	23.5	32.3	39.7
Moravskoslezský	22.8	37.5	38.8

as a percentage of all households in a given group

**Figure B1 Individuals with access to a personal computer by gender and age, 2007**

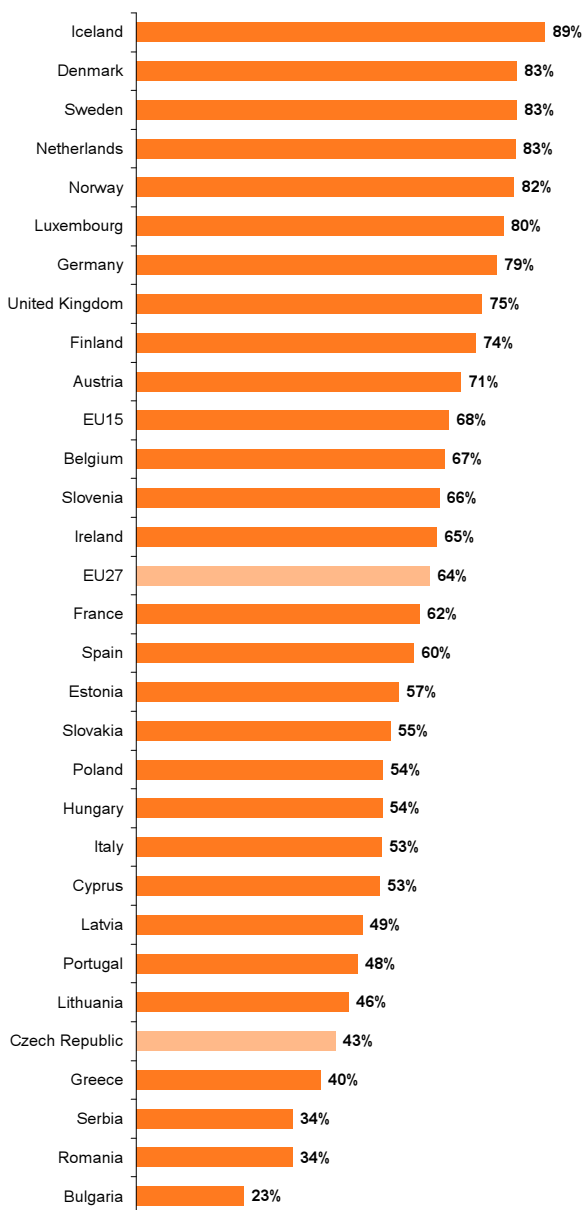


as a percentage of all individuals in a given group

Source: CZSO, Household Survey on ICT Use

## B Households and individuals

**Figure B2 Households with a personal computer, 2007**



as a percentage of all households where at least 1 member is in age group 16-74 years in a given country

Source: Eurostat, New Cronos database, January 2008

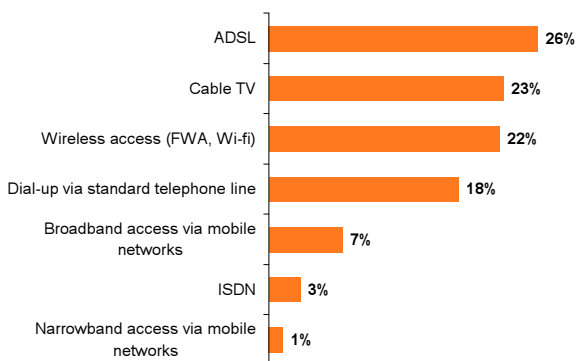
## B Households and individuals

**Table B2 Households with access to the Internet**

	%		
	2003	2006	2007
<b>Total</b>	<b>14.8</b>	<b>26.7</b>	<b>32.0</b>
<b>by type of household</b>			
<b>Households without dependent child.</b>		<b>16.0</b>	<b>19.0</b>
one adult without children		10.3	12.0
two adults without children		16.8	20.4
three or more adults without children		30.6	34.8
<b>Households with dependent child(ern)</b>		<b>45.0</b>	<b>55.0</b>
one adult with child(ren)		30.3	40.0
two adults with child(ren)		48.5	57.1
three or more adults with child(ren)		45.9	55.9
<b>by type of locality</b>			
densely-populated area (big cities)		31.4	38.4
intermediate urbanized area (urban areas)		25.9	30.4
thinly-populated area (rural areas)		23.2	27.3
<b>by region (NUTS3)</b>			
Praha	29.3	36.7	46.2
Středočeský	15.5	28.7	32.0
Jihočeský	11.8	24.6	31.7
Plzeňský	11.6	27.5	25.9
Karlovarský	15.9	26.1	27.4
Ústecký	9.6	19.3	26.7
Liberecký	13.1	23.9	32.1
Královéhradecký	13.8	27.8	31.2
Pardubický	15.6	26.3	26.7
Vysočina	15.6	24.6	31.4
Jihomoravský	18.6	28.2	35.1
Olomoucký	8.9	23.9	21.8
Zlínský	14.8	19.2	29.8
Moravskoslezský	12.3	25.8	30.6

as a percentage of all households in a given group

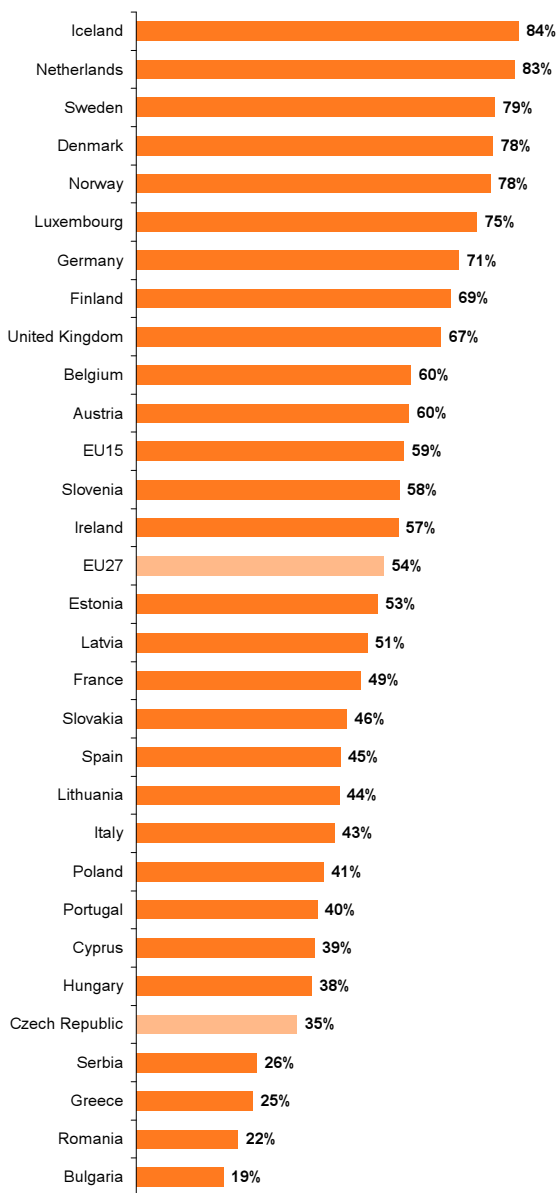
**Figure B3 Type of internet connection (access service) used by households with the Internet at home, 2007**



as a percentage of all households with internet access

## B Households and individuals

**Figure B4 Households with access to the Internet, 2007**



as a percentage of all households where at least 1 member is in age group 16-74 years in a given country

Source: Eurostat, New Cronos database, January 2008

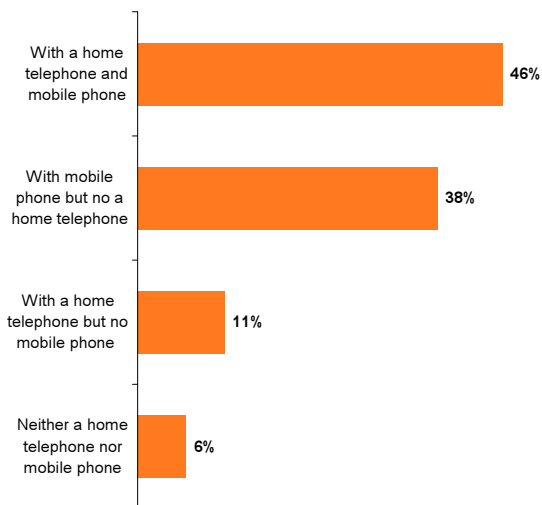
## B Households and individuals

**Table B3 Individuals using mobile phone**

	2003	2006	2007
			%
<b>All individuals aged 16 and over</b>	<b>66.0</b>	<b>83.1</b>	<b>85.5</b>
<b>by gender</b>			
Male 16+	72.1	87.2	89.0
Female 16+	60.3	79.3	82.1
<b>by age groups</b>			
16-24 years	85.6	97.7	97.8
25-34 years	86.8	97.7	98.1
35-44 years	81.5	95.8	96.6
45-54 years	67.1	90.5	93.2
55-64 years	48.9	76.0	83.7
65+ years	22.3	41.2	44.5
<b>by education</b>			
Primary (ISCED 0-2)	46.7	66.9	69.1
Lower secondary (ISCED 3C)	63.9	81.5	84.5
Upper secondary (ISCED 3A and 4)	76.3	92.1	93.0
Tertiary (ISCED 5-6)	85.7	92.4	94.7
<b>by specific population categories</b>			
Students aged 16 and over	85.6	97.8	98.1
Old age pensioners	25.6	48.5	52.9

as a percentage of all individuals in a given group

**Figure B5 Individuals with access to telephone, 2006**

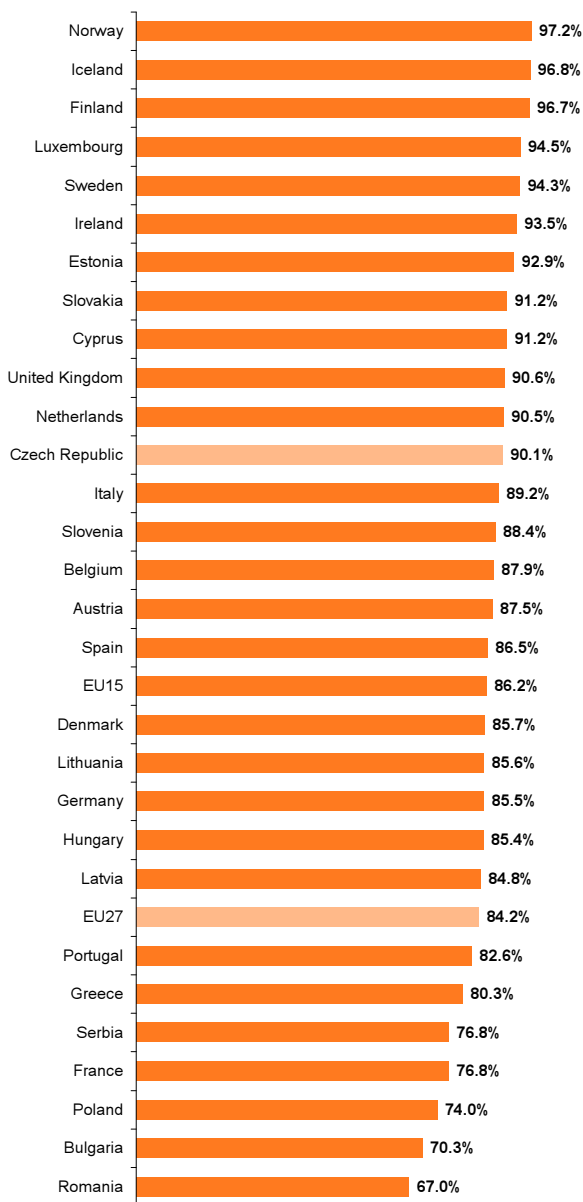


as a percentage of all individuals aged 16 years and over

Source: CZSO, Household Survey on ICT Use

## B Households and individuals

Figure B6 Individuals using mobile phone, 2007



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

Source: Eurostat, New Cronos database, January 2008

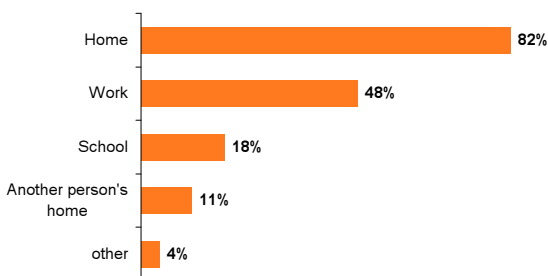
## B Households and individuals

**Table B4 Individuals using computer (computer users)**

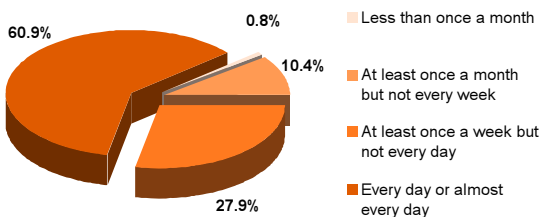
	2003	2006	2007
<b>All individuals aged 16 and over</b>	<b>37.6</b>	<b>48.0</b>	<b>50.9</b>
<b>by gender</b>			
Male 16+	40.2	50.6	54.6
Female 16+	35.2	45.5	47.4
<b>by age groups</b>			
16-24 years	72.1	83.9	87.9
25-34 years	46.2	62.6	67.1
35-44 years	49.2	64.7	65.8
45-54 years	35.9	48.9	54.5
55-64 years	17.7	26.4	29.3
65+ years	2.7	4.4	5.0
<b>by education</b>			
Primary (ISCED 0-2)	30.4	34.0	37.3
Lower secondary (ISCED 3C)	18.2	28.1	31.8
Upper secondary (ISCED 3A and 4)	56.1	69.0	69.9
Tertiary (ISCED 5-6)	75.0	83.2	83.0
<b>by specific population categories</b>			
Students aged 16 and over	90.2	96.9	97.3
Old age pensioners	2.6	5.2	5.4

as a percentage of all individuals in a given group

**Figure B7 Place where computer is used by computer users, 2007**



**Figure B8 Frequency of computer use by computer users, 2007**

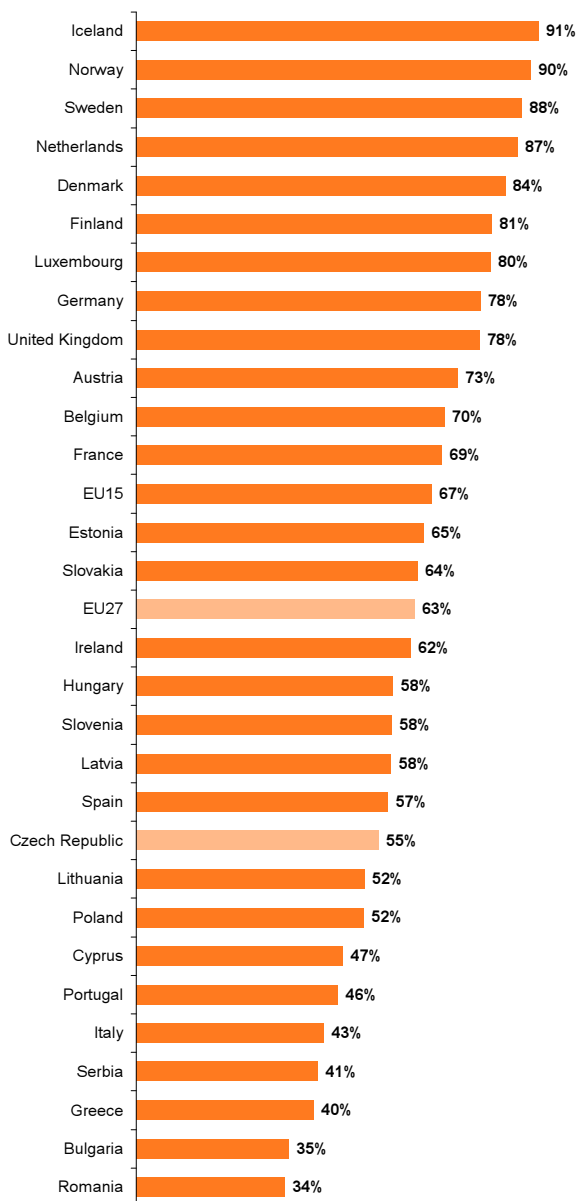


as a percentage of computer users aged 16 years and over



## B Households and individuals

Figure B9 Individuals using computer (computer users), 2007



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

Source: Eurostat, New Cronos database, January 2008

## B Households and individuals

Table B5 Selected computer skills of individuals, 2007

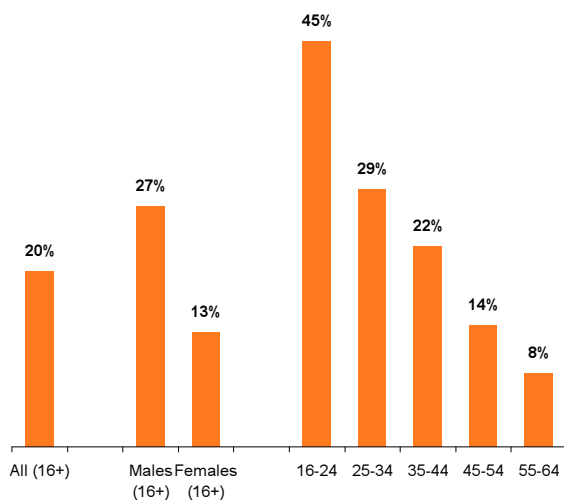
%

	spreadsheet usage (1)	programming (2)
<b>All individuals aged 16 and over</b>	<b>30.8</b>	<b>4.3</b>
<b>by gender</b>		
Male 16+	33.7	6.8
Female 16+	28.0	1.9
<b>by age groups</b>		
16-24 years	60.6	10.7
25-34 years	40.9	6.9
35-44 years	36.7	4.0
45-54 years	28.9	2.8
55-64 years	17.0	1.5
65+ years	7.5	0.4
<b>by education</b>		
Primary (ISCED 0-2)	23.9	3.3
Lower secondary (ISCED 3C)	11.1	0.8
Upper secondary (ISCED 3A and 4)	46.0	6.6
Tertiary (ISCED 5-6)	64.8	10.6

(1) knowledge of basic arithmetic formulas usage in spreadsheet

(2) knowledge of a specialised computer programming languages

Figure B10 Individuals who installed any computer software or hardware by gender and age, 2007

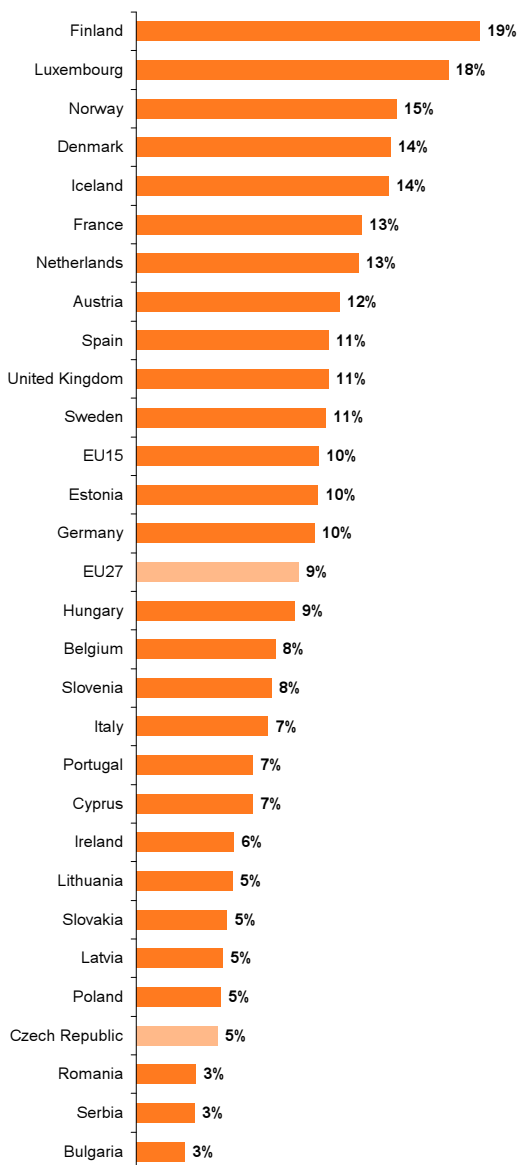


as a percentage of all individuals in a given group

Source: CZSO, Household Survey on ICT Use

## B Households and individuals

Figure B11 Individuals with knowledge of programming, 2007



Note: Includes usage of a specialised computer programming languages as a percentage of all individuals aged 16-74 in a given country

Source: Eurostat, New Cronos database, January 2008

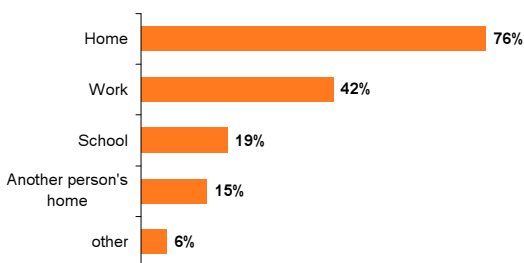
## B Households and individuals

**Table B6 Individuals using Internet (internet users)**

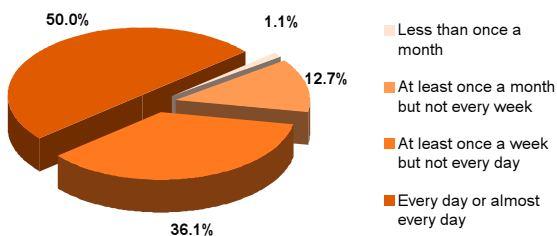
	2003	2006	2007
<b>All individuals aged 16 and over</b>	<b>28.0</b>	<b>41.0</b>	<b>45.0</b>
<b>by gender</b>			
Male 16+	30.8	44.1	48.8
Female 16+	25.3	38.1	41.5
<b>by age groups</b>			
16-24 years	59.5	77.7	82.0
25-34 years	35.1	54.0	59.7
35-44 years	35.4	53.7	56.4
45-54 years	23.4	40.1	46.9
55-64 years	11.4	20.7	25.0
65+ years	1.5	3.3	4.4
<b>by education</b>			
Primary (ISCED 0-2)	24.1	30.8	33.6
Lower secondary (ISCED 3C)	10.5	19.9	24.5
Upper secondary (ISCED 3A and 4)	42.1	60.5	63.5
Tertiary (ISCED 5-6)	64.1	78.1	79.7
<b>by specific population categories</b>			
Students aged 16 and over	76.8	92.8	93.0
Old age pensioners	1.4	3.7	4.4

as a percentage of all individuals in a given group

**Figure B12 Place where Internet used by internet users, 2007**



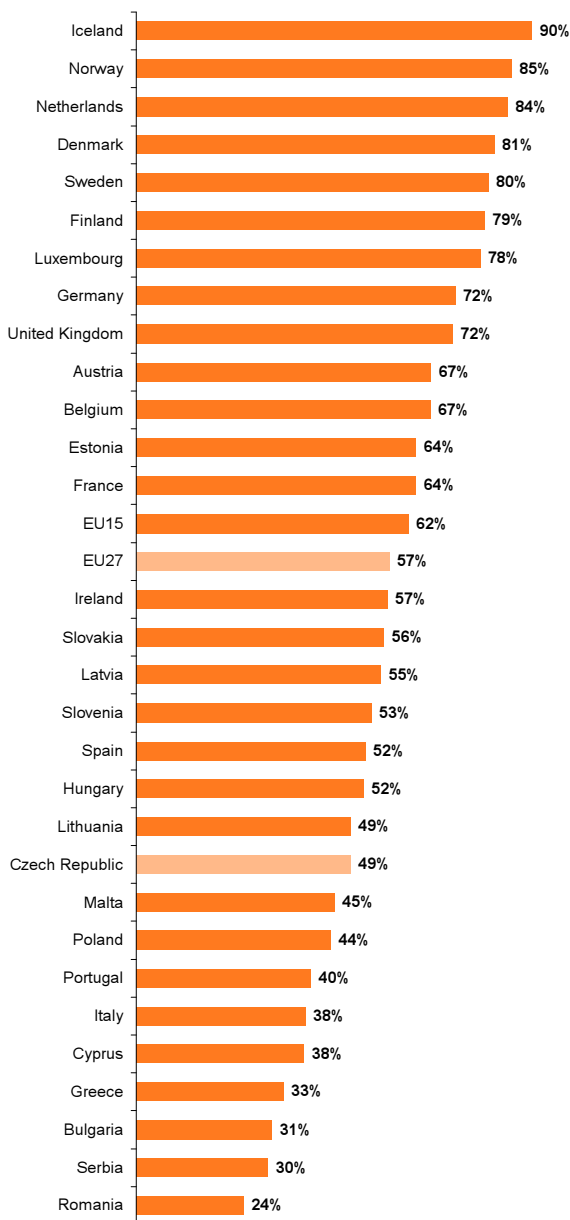
**Figure B13 Frequency of Internet use by internet users, 2007**



as a percentage of internet users aged 16 years and over

## B Households and individuals

Figure B14 Individuals using Internet (internet users), 2007

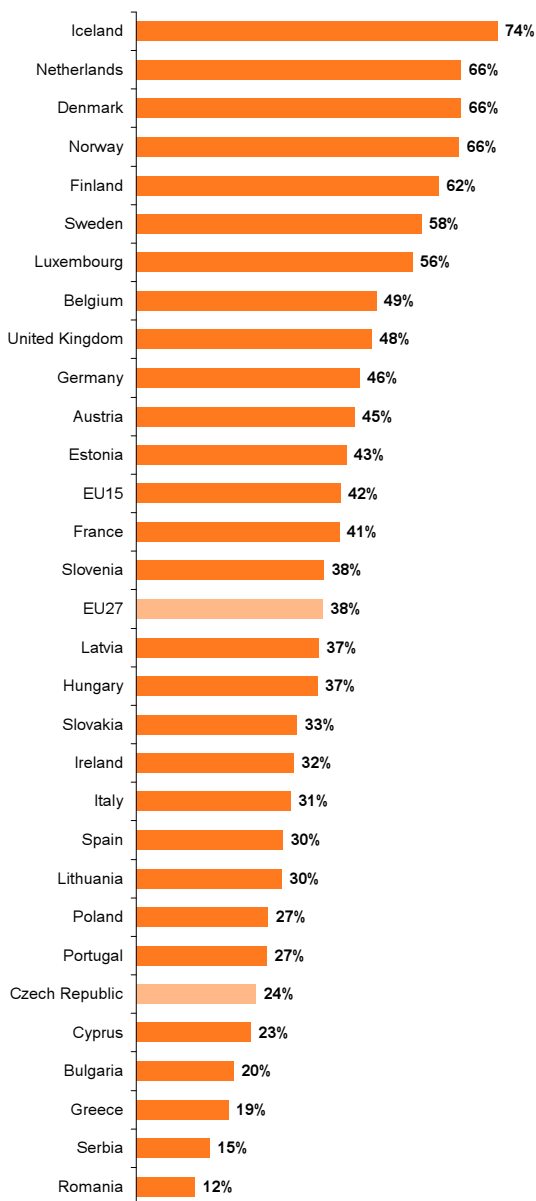


as a percentage of all individuals aged 16-74 in a given country

Source: Eurostat, New Cronos database, January 2008

## B Households and individuals

**Figure B15 Individuals using Internet daily, 2007**



Note: Every day or almost every day

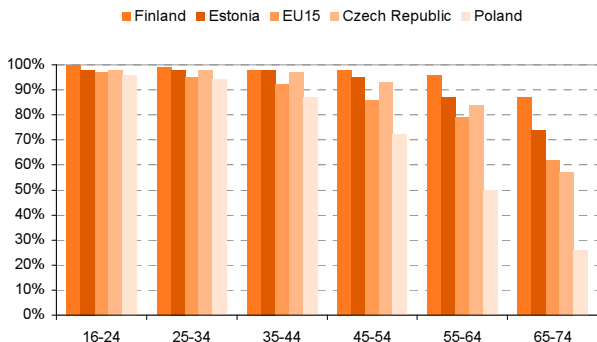
as a percentage of all individuals aged 16-74 in a given country

Source: Eurostat, New Cronos database, January 2008

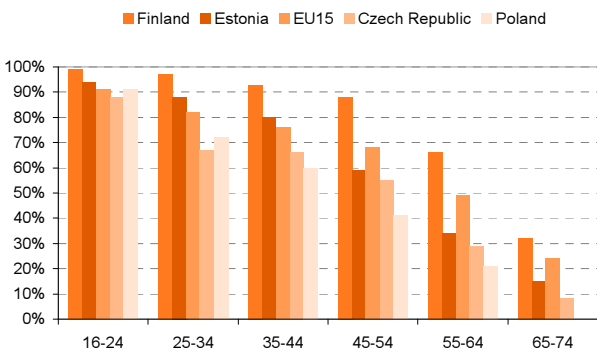
## B Households and individuals

Figure B16 Individuals using selected ICT by age groups, 2007

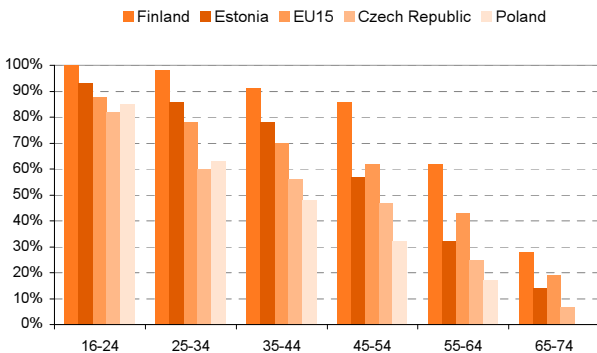
### a) mobile phone



### b) computer



### c) internet



as a percentage of all individuals in a given age group

Source: Eurostat, New Cronos database, January 2008

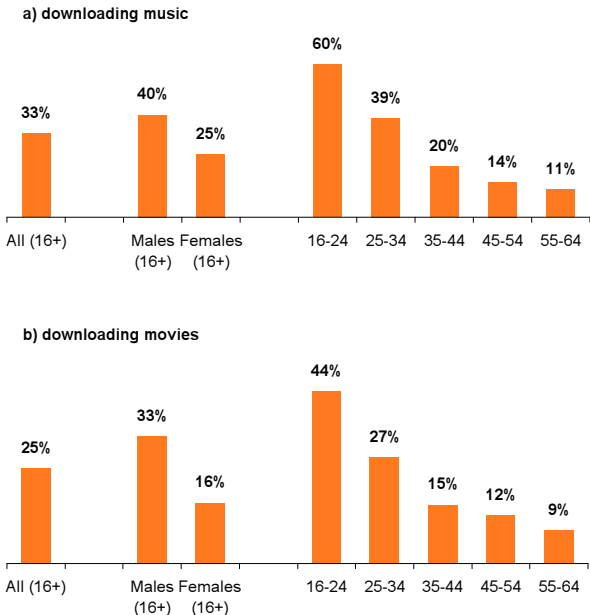
## B Households and individuals

**Table B7 Internet activities carry out by internet users**

	%		
	2003	2006	2007
<b>Communication</b>			
sending/receiving e-mails	81.3	84.1	86.1
telephoning over the internet (using skype etc.)	8.7	19.8	33.2
chatting (using instant messaging)	23.4	28.7	29.3
visiting online dating sites	n.a.	n.a.	6.3
<b>Information search and online services</b>			
using services related to travel and accommodation	29.3	50.1	51.4
reading news, internet newspapers and magazines	31.7	42.9	44.9
playing/downloading games, films or music	n.a.	28.2	37.1
playing/downloading computer games	n.a.	n.a.	21.3
playing/downloading music	n.a.	n.a.	32.7
playing/downloading movies, video images	n.a.	n.a.	24.5
online shopping	12.2	28.2	33.8
internet banking	12.0	21.9	23.7
downloading computer software	10.8	19.1	20.0
listening/watching to web radios/TV	8.8	14.6	17.4

as a percentage of internet users aged 16 years and over

**Figure B17 Internet users downloading/streaming music or films by gender and age, 2007**

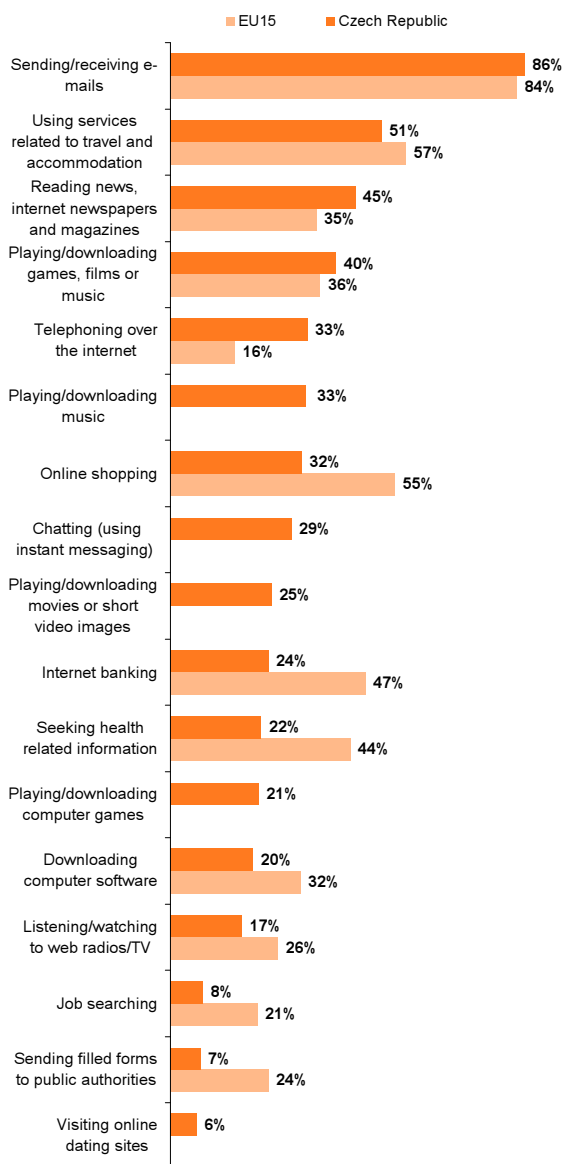


as a percentage of internet users in given group



## B Households and individuals

Figure B18 Internet activities carry out by internet users, 2007



as a percentage of internet users aged 16 - 74

Source: CZSO and Eurostat

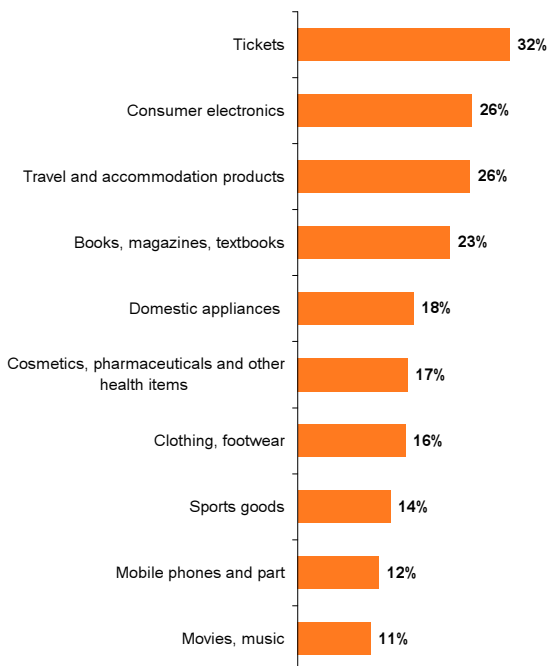
## B Households and individuals

**Table B8 Individuals who used Internet for shopping**

	2003	2006	2007
<b>All individuals aged 16 and over</b>	<b>3.4</b>	<b>11.7</b>	<b>15.3</b>
<b>by gender</b>			
Male 16+	4.5	14.6	18.3
Female 16+	2.5	9.0	12.5
<b>by age groups</b>			
16-24 years	5.7	18.2	22.9
25-34 years	6.3	18.9	25.1
35-44 years	4.5	17.6	21.5
45-54 years	2.6	9.6	13.7
55-64 years	.	4.7	6.9
65+ years	.	0.8	1.4
<b>by education</b>			
Primary (ISCED 0-2)	1.6	4.7	7.2
Lower secondary (ISCED 3C)	1.1	5.1	6.9
Upper secondary (ISCED 3A and 4)	5.8	17.2	23.8
Tertiary (ISCED 5-6)	9.9	31.9	32.6

as a percentage of all individuals in a given group

**Figure B19 Type of products bought by internet shoppers, 2007**

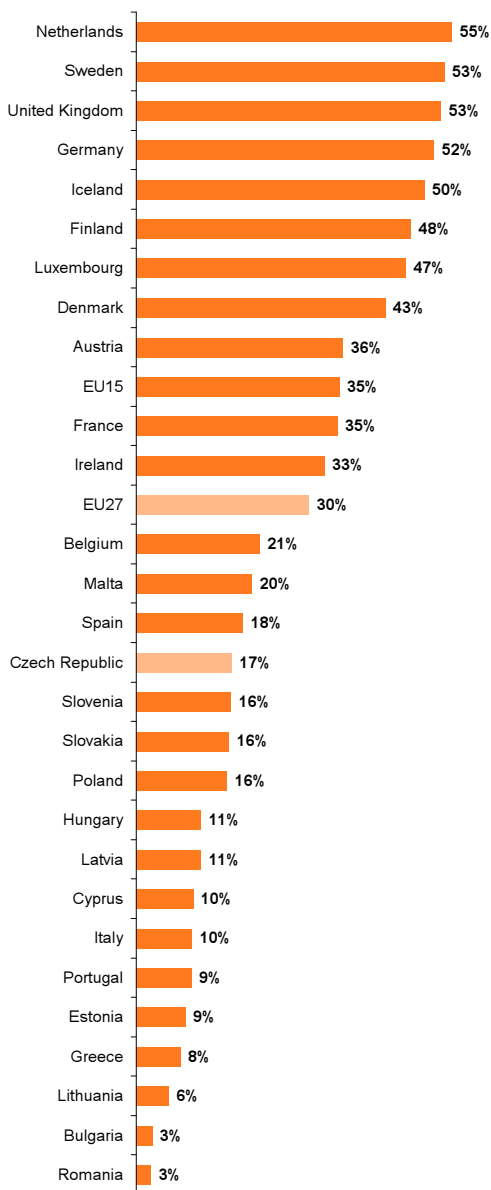


as a percentage of individuals (16+) who used Internet for shopping

Source: CZSO, Household Survey on ICT Use

## B Households and individuals

Figure B20 Individuals who used Internet for shopping, 2007

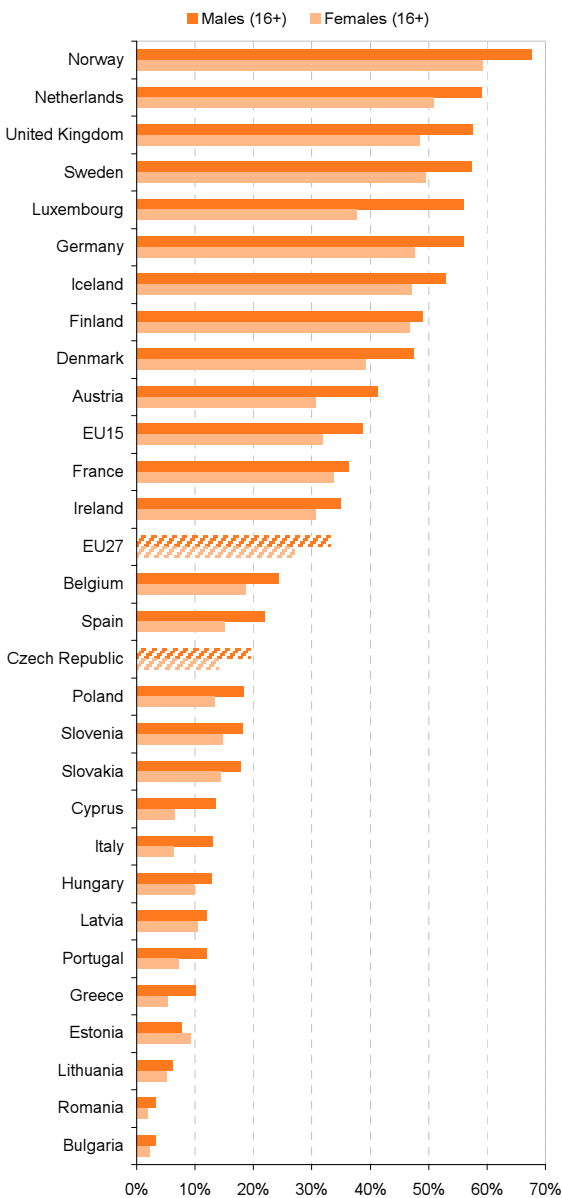


as a percentage of all individuals aged 16-74 in a given country

Source: Eurostat, New Cronos database, January 2008

## B Households and individuals

**Figure B21 Individuals who used Internet for shopping by gender, 2007**



as a percentage of all men and women aged 16-74 years in given country

Source: Eurostat, New Cronos database, January 2008