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ICT usage in Montenegro in 2012

Households

Survey on ICT usage in Montenegro was conducted for the first time in 2011. The purpose of survey is to collect the data on presence and use of ICT by households and individuals.

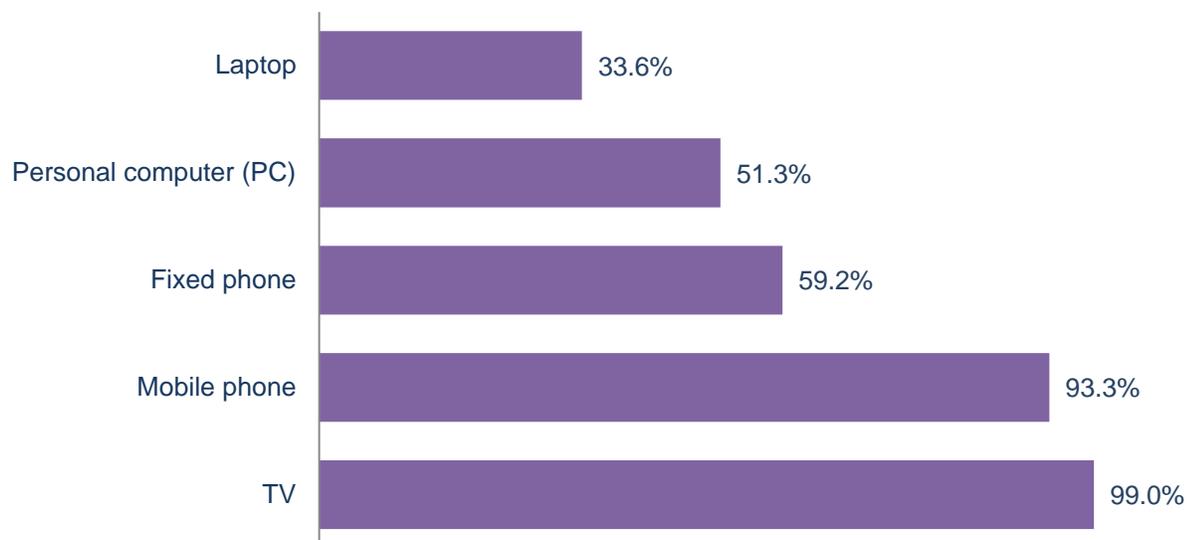
ICT usage survey which is conducted in households in accordance with the Eurostat methodology, **covers households with at least one member aged between 16 and 74 years**, as well as individuals of the same age.

Interviewed persons could give multiple answers to question related access to devices in households.

The survey indicates that there are 99.0% of households¹ with TV set access (in house), 51.3% with computer use, and 93.3% with mobile phone.

Proportion of households with computers is increase for 4.7% in relation to previous year.

Graph 1- Devices in households



¹ Number of households with at least one member aged between 16 and 74 years

In Montenegro, there are 55.0% of surveyed households having reported internet access in house, regardless of its use. The internet access is done by some of devices, such as personal computer (PC) – 75.3% of households, laptop – 52.0%. In addition to the mentioned devices for internet access, also mobile phone, handheld computer (palmtop, PDA), play stations, etc. Multiple answers were possible for this question.

Table 1- Devices for internet access

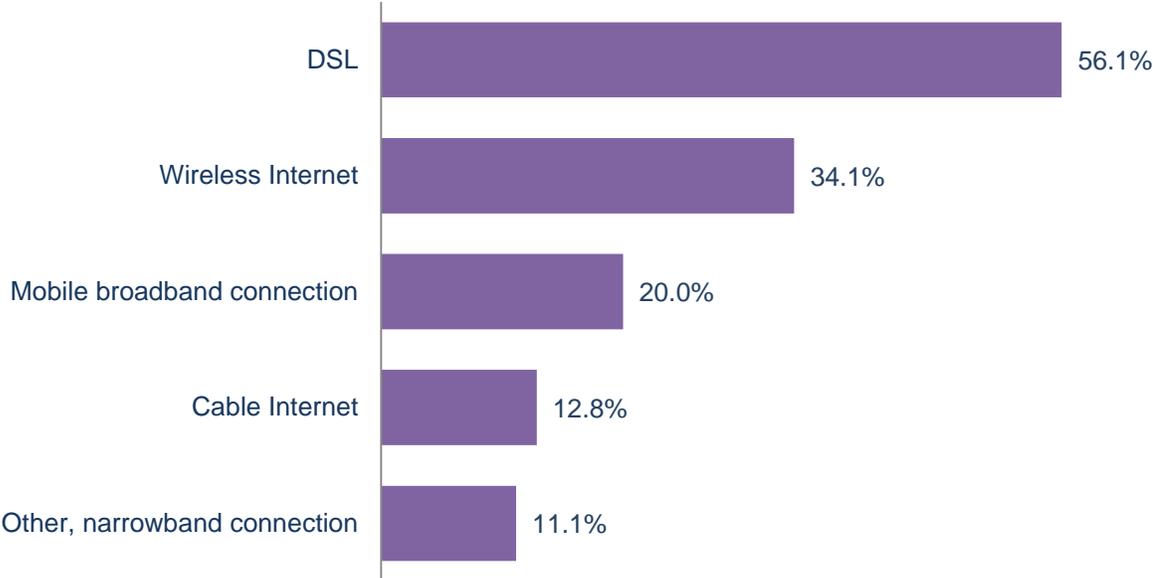
Devices in households	% households
Personal computer (PC)	75.3%
Laptop	52.0%
Mobile phone	24.2%

From devices for Internet access, there is present a increase of 2.7% with using personal computer (PC) in comparison with 2011 year.

In regards with the type of internet access, i.e. internet connection households were allowed to select several answers. In accordance with answers received, of the total number of households with internet access, the majority - 56.1% of households use DSL (ADSL, SHDSL, VDSL) connection type, and wireless internet – 34.1% households. 20.0% of households which have internet access use mobile broadband connection, while 6.1% of households use narrowband connection (dial up, ISDN...).

Percent of households which use DSL connection type was decreased for 2.1% related to the 2011 but number of households with wireless increased for 6.5%.

Graph 2 - Type of internet connection



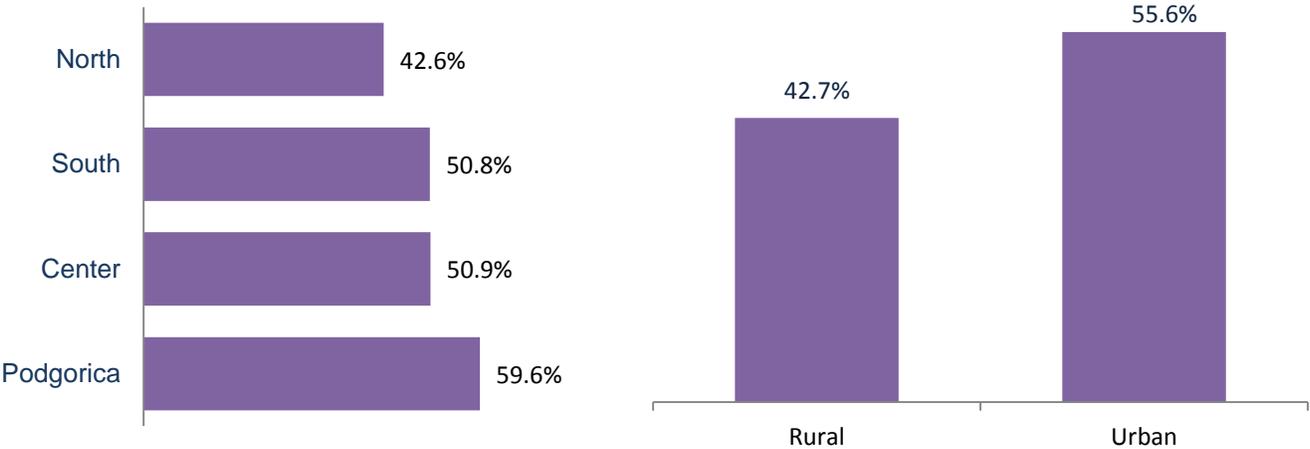
The most often reasons mentioned by households for no Internet access are the following: 40.0% of households reported that don't need internet; 26.6% of households reported that the equipment costs too high, while 25.9% of households reported that the Internet access is too expensive.

Table 2- Reasons for no Internet access

Reasons	% households
No need for Internet	40.0%
Too expensive equipment	26.6%
Too expensive Internet access	25.9%
I do not want Internet	18.2%
Lack of skills	12.9%
Internet access somewhere else	7.8%
Broadband Internet is not available	4.1%
Physical inability	2.4%
Privacy or security	0.6%
Nothing of mentioned - other reasons	14.4%

Computer use in households differs in comparison with territorial unity and type of settlement. Thus, computer use is the lowest in North region 42.6%, while it is the highest in Podgorica, i.e. 59.6%. Compared with type of settlement, computer use in urban settlement is 55.6%, while in other settlement is 42.7%.

Graph 3-Computer use in households by territory and type of settlement (urban/other)



Computer use in households differs in comparison with territorial unity and type of settlement. Thus, computer use in urban settlements is lower in rural settlements – 33.1%, but it increase of 12.1% in relation to 2011.

Greatest proportion of the computer use is in the Podgorica, 64.3%, while this proportion in North urban settlement is 59.1%

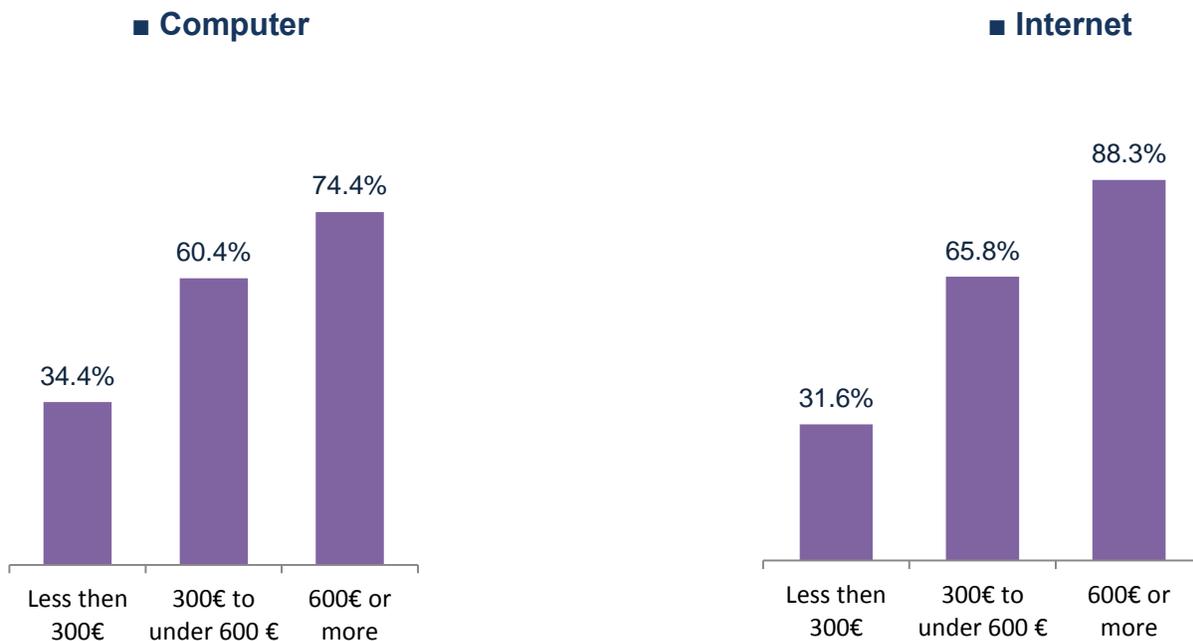
Table 3 - Internet access in house

Type of settlement	Territory/Region			
	North	Center	South	Podgorica
Urban	54.4%	59.1%	63.5%	64.3%
Rural	33.1%	55.0%	50.8%	42.9%

According to data on possessing computer or Internet usage and level of average monthly income of households it is observable that 74.4% of households having the income over EUR 600 possess a computer, while 88.3% households have Internet access at home.

Proportion of hoshholds which possess computer with average monthly income more than EUR 300 and less EUR 600 increased for 6.9% in relation to 2011, while proportion of households which have Internet access increase for 2.2%.

Graph 4 - Percentage of households that possess computer and Internet connection by average monthly income of household



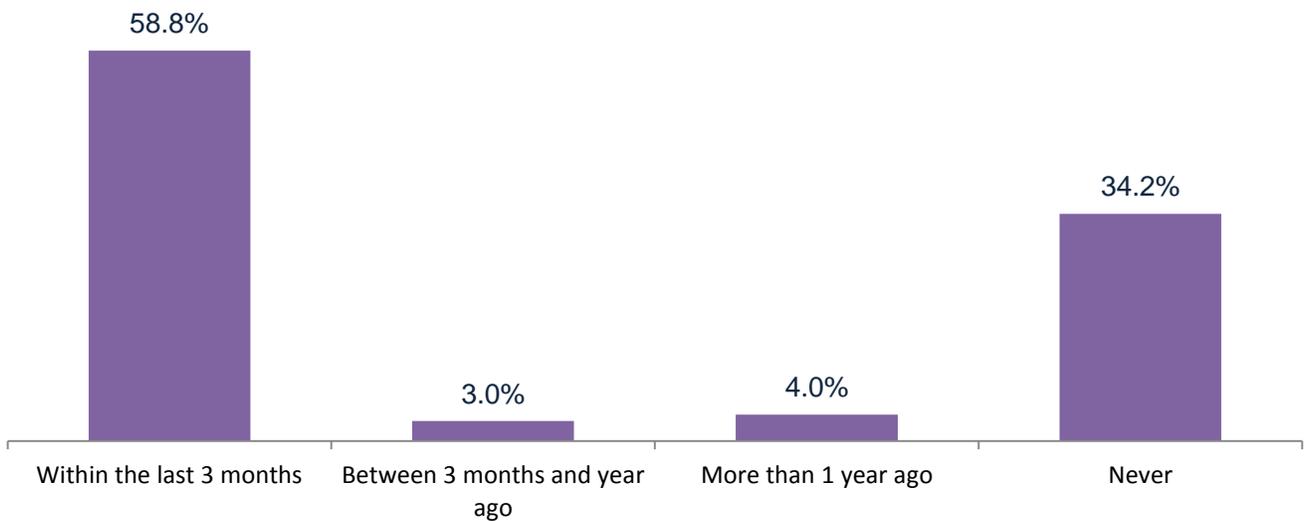
Persons

ICT usage survey which is conducted in households in accordance with the Eurostat methodology **covers persons between 16 and 74 years old.**

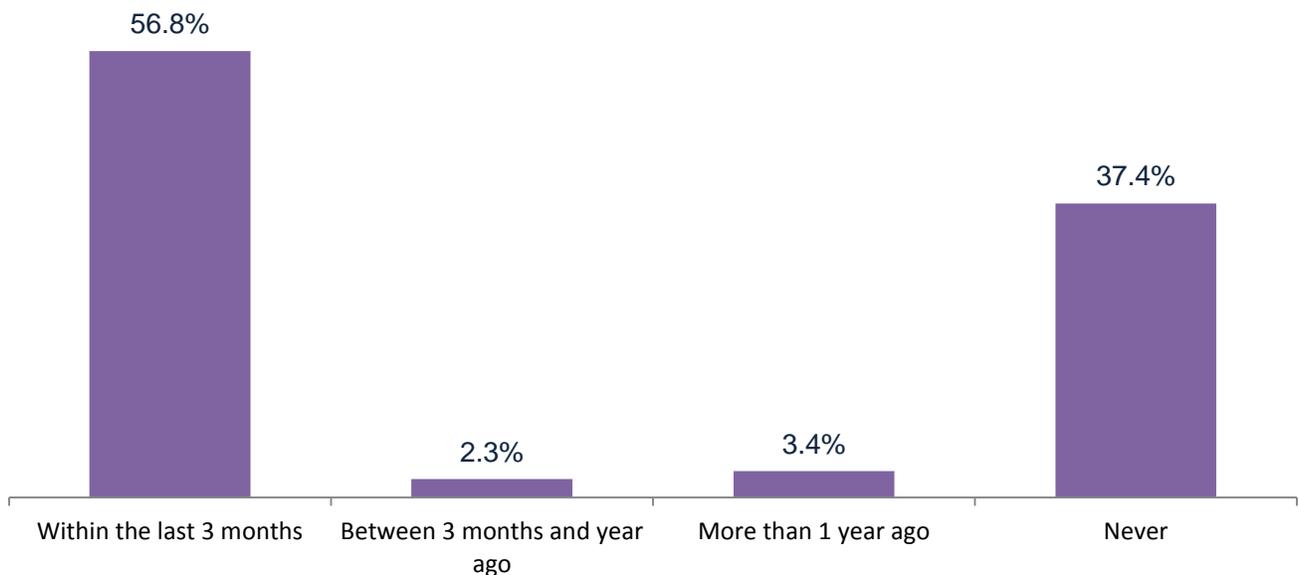
Number of persons which in the last three months used a computer is 58.8%, while the percentage of those who have never used a computer is 34.2%. In regards with Internet use, 56.8% of persons reported that they have used Internet in the last three months, whereas there are 80.8% of those used Internet on a daily basis or almost every day, and 16.0% of persons use Internet at least once a week.

Proportion of persons who were used computer and Internet in relation to previous year: proportion of computer users increased for 10.9%, while proportion of internet users increased for 10.3%.

Graph 5 - When did you used a computer last time?



Graph 6 – When did you used Internet last time?



In regards with computer use in Table 4, it is observable that 91.9% of persons aged between 16 and 24 years used a computer in the last three months. When there is considered some other age group, number of persons used a computer in the last three months, this percentage decreases, and for ex., for age group between 55 and 64 years is 27.1%.

Survey results indicate that more women reported that they have never used a computer 40.8%, while there are 29.5% men who reported that they have never used a computer.

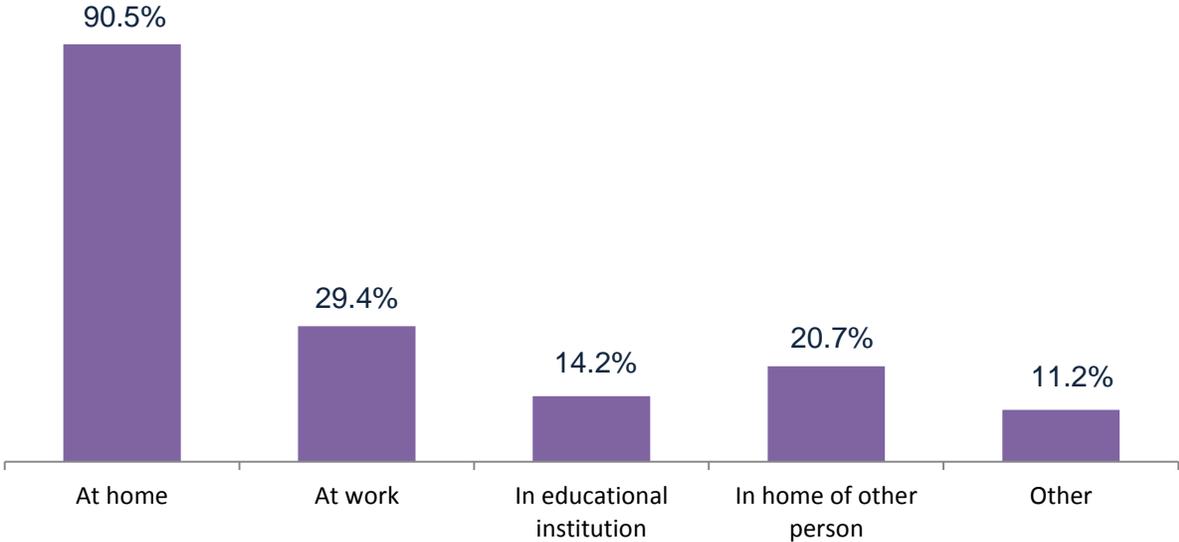
Proportion of men and woman who are not use computer or Internet decreased in comparison to 2011.

Table 4 - Computer users by age groups and sex

Computer usage	Age						Gender	
	16-24	25-34	35-44	45-54	55-64	65-74	Male	Female
Within the last 3 months	91.9	75.8	59.6	45.6	27.1	14.8	64.3	51.6
Between 3 months and a year ago	0.9	2.1	5.5	5.2	2.5	1.8	2.8	3.3
More than 1 year ago	2.8	4.9	4.7	4.5	3.7	2.4	3.7	4.3
Never used it	4.3	17.2	30.2	44.7	66.7	80.9	29.2	40.8

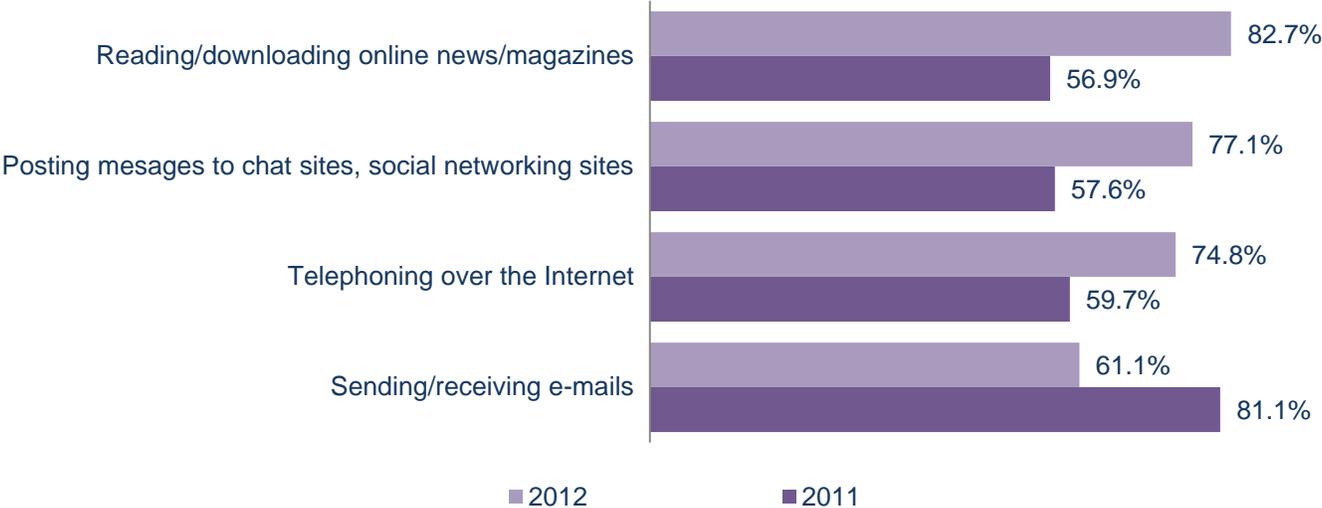
In the last three months, Internet was used at home by the largest number of respondents (90.5%), while there are 29.4% respondents used Internet at work. There are 20.7% of interviewed persons reported that they have used Internet in house of other person, and there are 14.2% of those used in educational institution. Also, there is 11.2% persons who sad that used Internet at other places as public library, post office, internet cafe, hotel, airport, public place...

Graph 7 - Where did you use Internet within the last 3 months?



Activities most often performed by respondents through Internet for the private purposes in the last three months refer to sending/receiving emails by 82.7% of persons, afterwards, there are 61.1% of persons reporting that they had phone communication through internet/video conversation (by web camera); 77.1% of persons reported that they communicated using chat, newspaper groups or forum. 74.8% of persons reported that used Internet for the private purposes in the last three months for reading or downloading online news/magazines.

Graph 8 - For which of the following activities did you use the internet in the last three months (for private purpose)?



As we can make some conclusion if look at Table 5, persons sad that use Internet every day or almost every day.

It is smal percent of persons who use Internet at leas once a month but not every week. Proportion of Internet users is greather among men – 80.6%, while it is 82.3% among women. Also we can see increase of proportion of Internet users refered to previous year.

**Table 5 - Average internet use by age and gender (in %)
(It refers to persons having used internet in the last three months)**

Internet use	Age						Gender	
	16-24	25-34	35-44	45-54	55-64	65-74	Male	Female
Every day or almost every day	80 .8	89 .2	80 .8	82 .6	63 .7	65 .0	80 .6	82 .3
At least once a week	16 .0	9 .4	17 .2	15 .5	26 .1	28 .0	12 .1	15 .1
At least once a month	2 .5	1 .4	1 .9	1 .1	6 .3	5 .2	7 .3	2 .0
Less then once a month	0 .7	0 .0	0 .0	0 .8	3 .9	1 .7	0 .0	0 .6

METHODOLOGICAL NOTES

Statistical Office of Montenegro - MONSTAT is conducting the survey on the ICT usage in Montenegro. This survey refers to the use of ICT in enterprises, as well as on use of ICT by households and individuals.

We hope that this survey will provide to users enough data on current state in the area of ICT, and that it will serve as a good basis for planning its further development.

Households and individuals

- ✓ Survey was conducted in period from 1 to 15 April 2012
- ✓ Interview survey – face-to-face interview.
- ✓ Two-phase stratified sample. Size sample is 1 200 households, with 1 200 individuals
- ✓ Target population for households is households with at least one member aged between 16 and 74 years.
- ✓ Target population of individuals is persons aged between 16 and 74 years.
- ✓ Reference period was three months precedent the field interviews.

The data are also published at our website www.monstat.org

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