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ICT usage in Montenegro in 2011

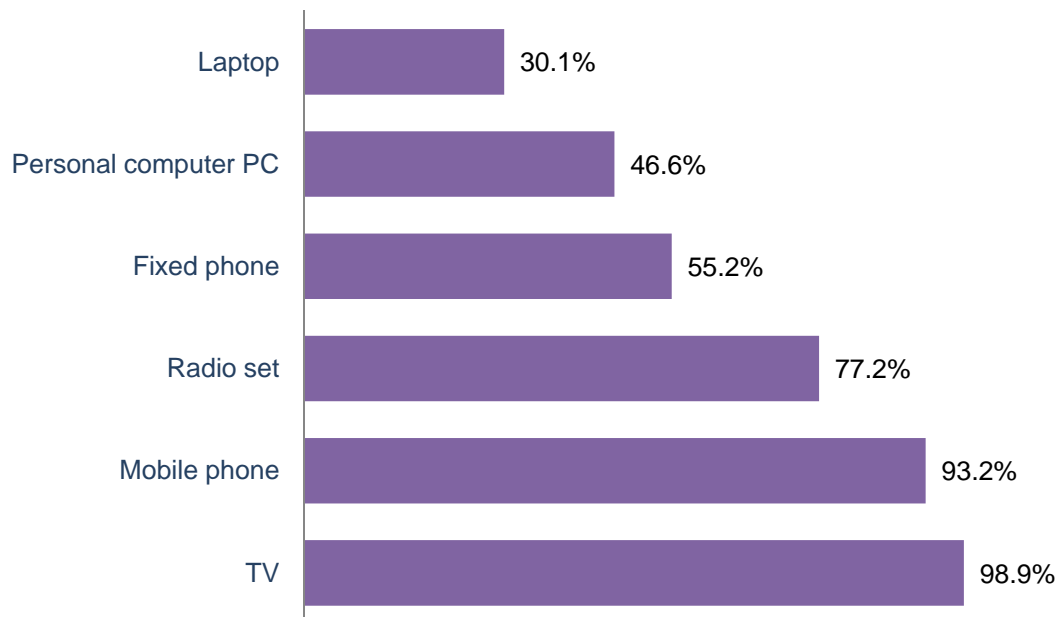
Households

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 98.9% of households¹ with TV set access (in house), 46.6% with computer use, 93.2% with mobile phone, 77.2% with radio set.

Chart 1. Devices in households



In Montenegro, there are 51.4% 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) - 72.6% of households, laptop - 49.9%, mobile phone - 41.1%. In addition to the mentioned devices for internet access, also handheld computer (palmtop, PDA), play stations, etc. Multiple answers were possible for this question.

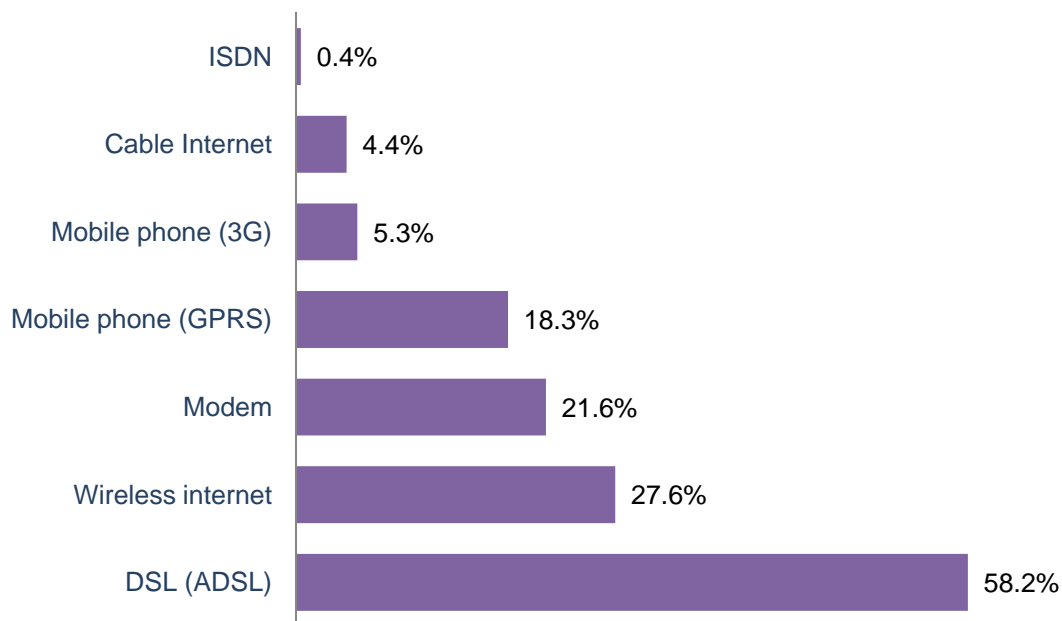
¹ Number of households with at least one member aged between 16 and 74 years

Table 1. Devices for internet access

Devices in households	% households
Personal computer (PC)	72.6%
Laptop	49.9%
Mobile phone	41.1%
Other	12.0%
Play station	2.2%
Handheld computer (PDA)	0.8%
I do not know	0.2%

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 (58.2%) use DSL (ADSL) connection type, and wireless internet (27.6%). There are 21.6% households with internet and using modem as a type of connection.

Chart 2. Types of internet connections



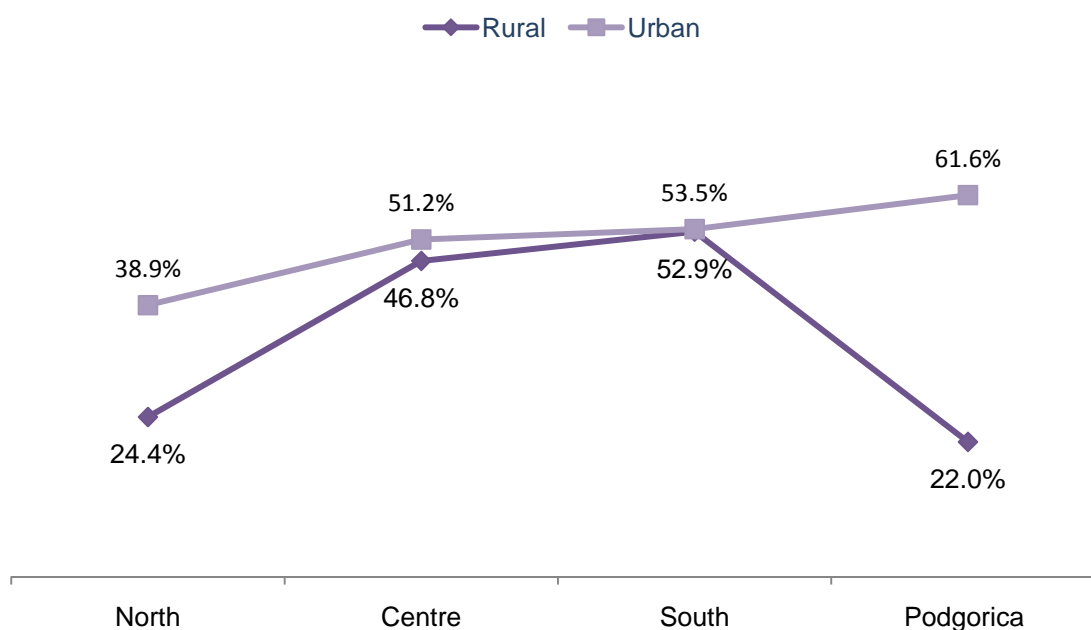
The most often reasons mentioned by households for no Internet access are the following: 39.1% of households reported the equipment is too expensive; 30.4% of households reported that they do not have need for Internet, while 27.0% of households reported that the Internet access is too expensive.

Table 2. Reasons reported by households for no internet access

Reasons	% households
To expensive equipment	39.1%
No need for internet	30.4%
Too expensive Internet access	27.0%
I do not want Internet	18.8%
Lack of skills	11.7%
Internet access somewhere else	6.3%
Physical inability	3.9%
Privacy or security	1.8%
Nothing of mentioned - other reasons	6.6%

Computer use in households differs in comparison with territorial unity and type of settlement. Thus, computer use is the lowest in North region, in urban settlements (38.9%), while it is the highest in Podgorica, i.e. 61.6%.

Chart 3. Computer use in households by territorial unity and type of settlement urban/other



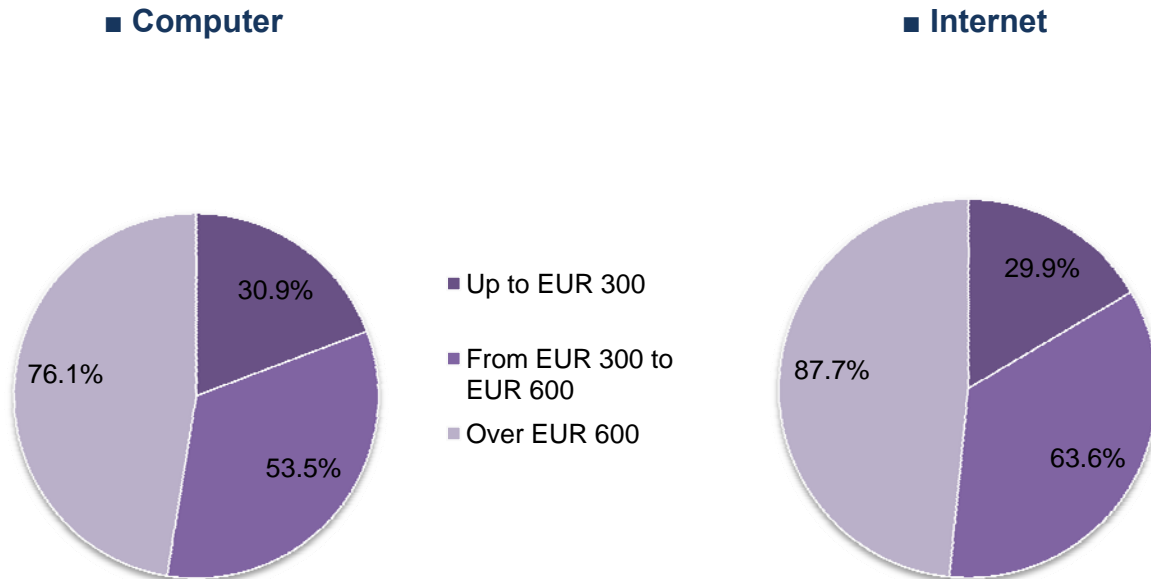
Internet access in households differs when compared with territory and settlement type. Thus, the North region (settlements which are not urban) has the lowest internet access, i.e. 21.0%. In regards with Podgorica and settlements of urban type, there are 64.9% of households with internet access. In Central region, in settlements of urban type, there are 63.2% of households with internet access.

Table 3. Internet access in house (in %)

Settlement type	Territory			
	North	Centre	South	Podgorica
Urban	43.9%	63.2%	64.5%	64.9%
Other	21.0%	32.1%	65.3%	29.9%

When we look at the data on possessing computer or Internet usage according to the level of average monthly income of households, it is observable that 76.1% of households having the income over EUR 600 possess a computer, while 87.7% households have Internet access at home.

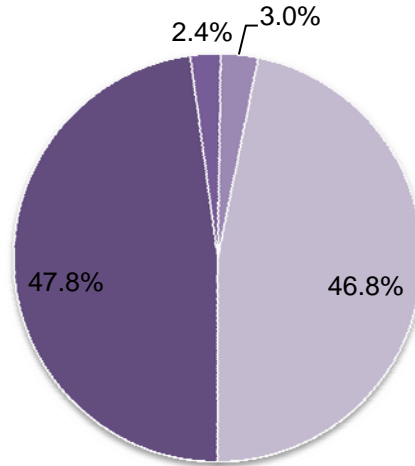
Chart 4. Percentage of households possessing computer and Internet connection by average monthly income of household



Persons

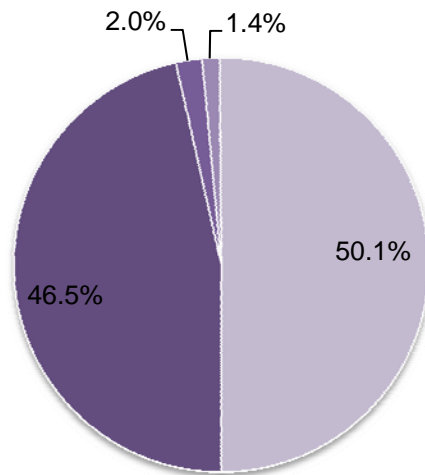
Number of persons which used a computer is 53.2%, while the percentage of those who have never used a computer is 46.8%. In regards with internet use, 46.5% of persons reported that they have used internet, whereas there are 76.6% of those used internet on a daily basis or almost every day, and 17.5% of persons use internet at least once a week.

Chart 5. When is the last time you have used a computer?



■ In the last three months ■ More than three months ago ■ More than a year ago ■ Never

Chart 6. When is the last time you have used Internet?



■ In the last three months ■ More than three months ago ■ More than a year ago ■ Never

In regards with computer use in Table 3, it is observable that 88.7% 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 26.5%.

Survey results indicate that more women reported that they have never used a computer 62.3%, while there are 56.8% men who reported that they have never used a computer.

Table 4. Persons used a computer by age and sex (in %)

Computer use	Age						Sex	
	16-24	25-34	35-44	45-54	55-64	65-74	Men	Women
In the last 3 months	88.7%	74.8%	58.8%	37.7%	26.5%	2.7%	38.1%	32.5%
More than 3 months ago	2.6%	3.2%	4.6%	2.3%	1.1%	-	2.3%	1.5%
More than a year ago	-	3.2%	3.9%	1.8%	5.6%	2.0%	2.9%	3.6%
Never	8.7%	18.8%	32.7%	58.3%	66.8%	95.3%	56.8%	62.3%

In the last three months, internet was used at home by the largest number of respondents, while there are 35.6% respondents used internet at work. There are 5.25 % of interviewed persons reported that they have used internet in the last three months in internet café, and there are 1.7% of those used in hotspot.

Activities most often performed by respondents through internet for the private purposes in the last three months refer to sending/receiving emails by 81.0% of persons, afterwards, there are 59.7% of persons reporting that they had phone communication through internet/video conversation (by web camera); 57.6% of persons reported that they downloaded games, photos or music, and the same percentage of those reporting that they communicated using chat, in newspaper groups or through forum. Only 13.0% of persons reported that internet used for the private purposes in the last three months for job searching or sending job application.

**Table 5. Average internet use by settlement type and territorial unity (in %)
(it refers to persons having used internet in the last three months)**

Internet use	Urban				Other			
	North	Centre	South	Podgorica	North	Centre	South	Podgorica
Every day or almost every day	63.9%	77.8%	78.5%	78.1%	65.7%	32.9%	76.3%	85.5%
At least once a week	31.3%	18.5%	15.3%	16.0%	29.5%	32.3%	8.8%	14.5%
At least once a month	1.7%	-	6.2%	3.3%	2.3%	27.5%	10.0%	-
Less than once a month	3.1%	3.7%	-	2.6%	2.5%	7.3%	4.9%	-

METHODOLOGICAL NOTES

Statistical Office of Montenegro - MONSTAT is conducting for the first time 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 16 to 25 October 2011
- ✓ Interview survey – face-to-face interview.
- ✓ Two-phase stratified sample. Size sample is 1 060 households
- ✓ 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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