



Statistical Centre of Iran



Iran ICT Ministry  
Iran Information Technology Organization  
(ITO)

# Results of the Survey on ICT Access and Use by Households and "Individuals of Iran - 2013"



Statistical Research  
and Training Centre



سازمان اطلاعات و ارتباطات ایران  
Measuring the Information Society of IRAN



*In the Name of Allah,  
the Compassionate, the Merciful*

*Verily, He has counted all creatures and He knows their exact number.  
Holy Quran, Sura Maryam, Verse 94*

## ■ Symbols

- Not collected
- 000 Not available
- × Not applicable
- ×× Not calculable
- // Negligible
- \* Provisional
- \*\* Estimated figure
- ⊙ Not for publication (confidential figure)

*Where figures are rounded, discrepancies may occur between sums of components and the total.*



## **Preface by the Statistical Centre of Iran (SCI)**

Over the recent years, Information Communications Technology (ICT) has brought about extensive developments in all socio-economic areas of the human beings and its impact on the human communities is in a such a way that the today's world is turning into an information society in which knowing, accessibility to and appropriate use of the knowledge have a pivotal and determinant role. The extensive use and impacts of ICT in different aspects of today and future human communities have turned into one of the most important issues of the world and attracted the attention of many countries. This situation has caused the world to be mentioned as a village and the facilities of information and communications sector are considered as one of the most important human needs. With respect to the importance of information and communications technologies and its entrance into the public areas and social life, the level of benefiting from information and communication technologies and access to them are considered as one of the most important issues in the society. Indeed, the activities of this sector provide a ground for developing of other economic sectors and the development of this sector causes other sectors to make progresses.

In order to plan and formulate policy on the ICT as well as to monitor and measure its impact on socio-economic development, the availability of comparable statistics and information on the level of ICT use and access are highly needed. With respect to the importance attributed to this information and statistical gap in this area, "Statistical Centre of Iran" (SCI) in line with its duty developed and conducted the "Survey on the Internet Users" in 2009 and 2011 in order to calculate the Internet penetration rate (number of persons using the Internet per 100 people) and some international indicators in the country for the years 2008 and 2010. In 2012, based on the Memorandum of Understanding signed between the SCI and Information Technology Organization of Iran (ITO) representatives of these organizations participated in a three-day capacity building workshop organized by International Telecommunication Union (ITU) in Geneva, Switzerland, in which the ITU and UNCTAD's experts made an emphasis on implementing a special survey on ICT in the member states. Accordingly, in winter 2014, the SCI implemented the survey on "ICT Use by Households and Individuals" ordered by ITO as the responsible organization for developing and monitoring the ICT indicators in the country in collaboration with the Statistical Research and Training Centre (SRTC).

According to the results of this survey, 16 household indicators on ICT including internet penetration rate was calculated. It is worth noting that the discussions made in the First Meeting of the Expert Group on ICT Household Indicators (EGH), held in 2013 by ITU in Sao Paulo Brazil, led to this result that the condition of being the Internet users should decrease from the past 12 months in the two previous surveys to the past 3 months, namely, Internet users are the persons who have used the internet at least once during the past 3 months prior to the survey time.

In this survey, enumerators visited 25063 sample households across the country and completed the related questionnaire through face-to-face interview. For data collection, a number of 345 enumerators, checkers, senior survey staff, data entry clerks and supervisors had contributed to this survey.

At the end, I express my sincere gratitude to Mr Narsrollah Jahangard, Head of Information Technology Organization of Iran (ITO) for his kind supports. I also find it necessary to acknowledge the managers, experts of the SCI, SRTC, ITO as well as the Statistics and Information Departments in the Governor Generals' Offices of the country who provided assistance to us in this important project.

**Adel Azar**  
**Head, Statistical Centre of Iran (SCI)**



**Statistical Centre of Iran**

## **Preface by the Information Technology Organization (ITO) of Iran**

During several past decades, economy, culture and national security have been key issues of the development programme of the most countries.

In the recent years, countries have paid special attention to the issues such as sustainable development, environment and human capitals.

At present, developmental role of technology including ICT in the economy of the world is widely accepted. Moreover, ICT as a key and empowering technology plays a pivotal role in line with achieving macro goals of national development as well as international goals such as MDGs and Sustainable goals.

Accordingly, ICT is considered as an empowering factor in sustainable development and in areas such as employment, health, governance, business. By relying on ICT, employment and national revenue can be increased. Today's national industry needs technology, skill and competency in order to keep with the development. In next ten years, we need a great forward movement in the country's development. Accordingly, the Government of the Islamic Republic of Iran reckons ICT as infrastructural component for creating this great forward movement in socio-economic and cultural development. ICT is expected to help the statistics stakeholders access high quality inclusive and cost-effective services rapidly in every time and place and to increase its share in the GDP of the country.

Measurement and performance monitoring of the information community of the I.R. Iran and review of the ICT impacts on achieving national and sectoral development is an issue which has been paid attention by policy-makers and legislators of the country during the recent years. Accordingly, based on the Note 8 of the Article 41 of the Fifth Development Plan of the I.R. of Iran, the Ministry of Information and Technology was assigned to develop monitoring system of ICT indicators for measurement of indicators and assessment of the conditions at national, regional and international levels aimed at producing comparable and accurate data and statistics, continuous monitoring and submitting analytical reports to the respective authority.

According to this Article and with respect to the approvals of the Council of Ministers, all government agencies and non-government institutes are duty-bound to provide the ICT Ministry with required and related information and statistics. Within this defined framework, ITO (Centre for Strategic Planning and Supervision), as the executor of ICT indicators monitoring system of the country and national coordinator in this area, has developed and notified the monitoring system to the government agencies. The indicators and statistics on ICT in this system are collected through specialized household surveys.

Household surveys provide valuable attitude toward how and where ICT is accessible and used and contributes to the assessment of the ICT impacts on the people's lives. Due to this reason, the surveys are valuable sources for ICT statistics. Moreover household surveys-based data are needed for supervising national and international goals such as MDGs, WSIS and Connect 2020 Agenda as well as the calculation of ICT development indicator.

For this reason ITO ordered the implementation of the survey on "ICT Use by Households and Individuals" to the Statistical Centre of Iran (SCI) in 2013 following its MoU signed with the SCI, as an official statistics specialized organization, under a contract. Field operations of the survey was initiated by the SCI in January 2014 and lasted for three months and its results were finalized in August 2014. The present publication is the final report of the survey which was implemented according to the latest recommendations of ITU approved in the Meeting of the ITU-WTIS 2013, Mexico. According to the ITU, this survey is the first ICT survey in the world's countries.

I hope that the valuable results of this survey can prove useful to the policy-makers, planners, analysts, and activists in different economic sectors of the country, universities and research centres.

At the end, I find it necessary to express my sincere gratitude to the Minister of ICT Ministry for his supports and valuable advices as well as Dr. Adel Azar, Head of Statistical Centre of Iran (SCI). I acknowledge the managers and experts of the SCI, Statistical Research and Training Centre (SRTC) and also the implementer of the "Measuring Information Society of Iran" project in the Strategic Planning and Supervision of the Information Technology Centre of the ITO of Iran and its active staff as well as the senior advisors of this Centre in private sector and universities greatly for their kind contribution to this survey.

**Nasrollah Jahangard**  
**Head, Information Technology Organization of Iran (ITO)**

Statistical Centre of Iran



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## **General Specification of the Survey**

### **The necessity of the survey implementation**

In the today's world, the Internet presence and the issue of the ICT use and access is so outstanding and significant that the ICT indicators are considered as the important indicators of development of each country. The "Internet penetration rate" is one of the indicators for which no precise information and statistics were available. Also, Household surveys provide valuable attitude toward how and where ICT is accessible and used and contributes to the assessment of the ICT impacts on the people's lives. Due to this reason, the surveys are valuable sources for ICT statistics. Moreover household surveys-based data are needed for supervising national and international goals such as MDGs, WSIS and Connect 2020 Agenda as well as the calculation of ICT development indicator. Therefore, the survey on "ICT access and use by Households and Individuals" ordered by the Information Technology Organization of Iran (ITO) as the responsible agency for formulating and monitoring ICT indicators in the country.

### **General objective of the survey**

The objective for implementing this survey is to estimate the Internet penetration rate in the country in the year 2013.

### **Detailed objectives of the survey**

The detailed objectives of the survey are to produce statistics on the ICT access and use by households and individuals in the year 2013 based on the sixteen indicators presented by International Telecommunication Union (ITU) in the latest edition of Manual for Measuring ICT access and use by Households and Individuals. These indicators are listed below:

Indicator HH1: Proportion of households with a radio

Indicator HH2: Proportion of households with a television

Indicator HH3: Proportion of households with telephone

Indicator HH4: Proportion of households with a computer

Indicator HH5: Proportion of individuals using a computer

Indicator HH6: Proportion of households with Internet

Indicator HH7: Proportion of individuals using the Internet

Indicator HH8: Proportion of individuals using the Internet, by location

Indicator HH9: Proportion of individuals using the Internet, by type of activity

Indicator HH10: Proportion of individuals using a mobile cellular telephone

Indicator HH11: Proportion of households with Internet, by type of service

- Indicator HH12: Proportion of individuals using the Internet, by frequency  
Indicator HH13: Proportion of households with multichannel television, by type  
Indicator HH14: Barriers to household Internet access  
Indicator HH15: Individuals with ICT skills, by type of skills  
Indicator HH16: Household expenditure on ICT

### **Statistical population**

The population includes all members of private settled, collective and institutional households in urban and rural areas in the year 2013.

### **Target population**

In this survey, the statistical population is based on target population.

### **Statistical unit**

Every member of private settled, collective and institutional households in urban and rural areas in the year 2013 is a statistical unit.

### **Reference period**

The reference period is 3 months ending to the survey date (January 2014).

### **Survey date**

The survey date is January 2014.

### **Survey methodology**

Survey methodology in this survey is sampling.

### **Method of data collection**

In this survey, the enumerators visit the sample households at the enumeration date and collect household data through face to face personal interview with household members and fill out the related questionnaire. Moreover, the questionnaire of the households out of whom at least one member has used the Internet during the 3 month period - from 3 months before the survey to the survey date (January 2014)- is delivered to the household to complete it with the accurate data himself/herself and give it back to the field staff.

### **Parameters of interest**

Parameters of interest in this survey include:

- Proportion of Internet users in urban and rural areas of the total country by province

- Proportion of households using the Internet in urban and rural areas of the total country by province

## Sampling frame

### A. Private and collective settled households

Sampling frame of the first stage is the list of districts of the 2011 Population and Housing Census. This list covers both geographical information and following auxiliary data.

- Number of private settled households
- Internet penetration rate which is used for classifying sampling units of the first stage( districts)

Sampling frame of the second stage is the list of blocks in each of sample districts. Each block includes, on average, 40 private settled, collective and institutional households.

Sampling frame of the third stage is the list of all private settled, collective and institutional households in sampling units of the second stage obtained from the results of the 2011 Population and Housing Census.

### B. Institutional households

Sampling frame of the first stage is the list of all institutional households obtained from the results of the 2011 Population and Housing Census. This list covers both geographical information and the number of persons in each institutional household.

Sampling frame of the second stage is the list of all members of sample institutional households obtained from the incharge of the institution.

## Sampling unit

Samples of this survey for private settled and collective households have been selected during three stages and for institutional households during two stages by use of probability sampling.

Sampling unit for private settled and collective households at the first stage is the census district based on the results of the 2011 Population and Housing Census, at the second stage, it is a block in the sample district and at the third stage, and it covers private settled or collective households.

Sampling unit for institutional households at the first stage is an institutional household based on the results of the 2011 Population and Housing Census and at the third stage, it is a member of the sample institutional household.

Samples have been selected as follows:

### A. Private settled and collective households

In order to sample these households, sampling units of the first stage (districts) are stratified by use of geographical variables of urban/rural areas, the capital of the province/ other sub-provinces as well as the variable of the Internet penetration rate.

Accordingly, first the districts of each province were put in two urban and rural strata, and then the districts of urban stratum in each province were divided into strata based on the variable of the capital of the province and other sub-provinces in the province. Finally, the districts of each of strata of previous stages were put in two strata based on the Internet penetration rate and by using Partitioning Around Medoids(PAM) method. Thus, the districts of each province excluding Qom province with only one sub-province were divided into 6 strata. In Qom province, the districts were divided into 4 strata and then the sample units of different stages were selected as follows:

At the first stage, the number of sample units allocated to each stratum was selected through systematic method with the probability of selection appropriate with the number of private settled and collective households in each district.

At the second stage, sample segments were selected on the basis of the frequency of selection of the first stage units with the probability of selection appropriate with the number of private settled and collective households in each segment and at the third stage, the selection of private settled and collective households in each selected segment was simple random, that is, first 10 households were selected through simple random method and then 5 households were selected from them as main sample households and the other five households were taken as alternative households in order that they replaced the main sample households and were surveyed according to the enumerator's guidebook in stead of main sample households if necessary.

### **B. Institutional households**

In order to sample these households, these households were put in two strata based on urban/rural geographic variable and then at the first stage, the number of sample units allocated to each stratum was selected through systematic method with the probability of selection appropriate with the number of institutional households. At the second stage, the required number of sample persons was selected through systematic method in each sample institution (with respect to the number of members of institutional household members and the following table).

The size scope of institutional household members in terms of number	Number of sample persons
Less than 50	$1 \times 20 = 20$
[50, 100)	$2 \times 20 = 40$
[ 100, 300)	$3 \times 20 = 60$
[300, 500)	$4 \times 20 = 80$
[500, 1000)	$6 \times 20 = 120$
[1000, 2500)	$7 \times 20 = 140$
More or equal to 2500	$14 \times 20 = 280$



In order to access the number of sample persons, persons are selected via systematic method with the following step:

$$\text{The step of people selection} = \frac{\text{Number of institutional household persons}}{\text{Number of sample persons}}$$

### **Acceptable sampling error**

The maximum of relative error accepted in this survey for estimation of "Internet penetration rate" is 5 percent in urban and rural areas of the total country and 16 percent at provincial level.

### **Sample size**

In this survey, a number of 25063 sample household including 24765 private settled and collective households and 298 institutional households were selected. The highest number of sample households was for Tehran province (2430 households) and the lowest number belonged to Qom province (428 households).

### **Workforce**

For this survey a number of 151 enumerators, 75 checkers, 31 senior expert (one person for each province) as well as 31 supervisors and 57 data entry clerks contributed.

### **Level of results dissemination**

The estimates of this survey are released by urban and rural areas and at provincial level.

## Definitions and Concepts

In this survey, data were collected through completing household questionnaire.

This questionnaire includes different terms which should be defined.

### 1. Types of household

In this survey, households were divided into three types: private settled household, collective household and institutional household.

**Private household:** persons living together in one residence, sharing their living expenses and eating together constitute a household. A person living alone also forms a private household.

According to the household definition, if all persons who live together in one residence and also share their living expenses are temporarily absent, they are considered as members of private household. In other words, all persons who have both mentioned conditions (living together and sharing living expenses) are members of private household.

**Collective household:** All persons who live together in one residence because of having common conditions (mainly common characteristics) and manage life affairs together in that residence is called collective household.

It should be noted most student dormitories are regarded as an institutional household. However, there are some student dormitories which are not regarded as an institutional household; they are places of residence of one or more collective households. Although these dormitories are known by the name of one of the universities, this university has no role in running the student dormitory and students manage life affairs together in that residence and based on the above definition, a collective household cannot be one-person household.

**Institutional household:** persons who share a common objective or characteristics living together in an institution which is responsible for their accommodation, (residential place with services and facilities) according to permission or specific regulations. Examples of institutional households are: student dormitories (excluding those for married students) managed by universities, lodging houses, boarding house for school students.

### 2. Urban/rural areas

In this survey, households residing in urban/rural areas are visited. Therefore, urban and rural areas are defined here.

#### Urban areas

It refers to all areas which have a municipality at the time of survey.

#### Rural areas

It refers to the nation's villages. A village is one or more contiguous places and lands (agricultural or non-agricultural) located outside city borders and having independent

registered or conventional boundaries. Therefore not only hamlets but also arable lands, coffee houses, mines, railway stations,... are considered as an village provided that they have independent registered or conventional boundaries or are not located within other villages or cities boundary.

### 3. Internet terms

The Internet is the connection of a numerous number of communication networks of small and large computers which has a variety of information. A person connected to the Internet is not only an Internet observer or browser, but he/she is part of this network and can exchange data with it.

#### Internet user

In this survey, the Internet user is a person who has used at least one of the Internet services through connecting to the Internet network for each time duration from three months before the survey time to the survey time (January 2014) in the country.

#### Usual Internet user

In this survey, usual Internet user is a person who has used at least one of the Internet services through connecting to the Internet network for each time duration.

#### Internet services

The Internet services are the services to which users have access. These services include getting information about different issues, connecting to the websites, interacting with government organizations, sending and receiving emails, telephoning over the Internet, membership in social websites,... which are defined as follows:

- **Getting information about goods and services:** includes obtaining information about goods or services.
- **Seeking health information:** includes getting information on the health, taking medical services such as consultation with physicians/ health practitioners, asking medical questions and receiving response online or via email.
- **Making connection to the service providers websites:** includes getting services such as consultation, asking questions and receiving answer about different issues on psychology and education, sciences, research, cooking, housekeeping,...
- **Receiving information from government organizations:** includes receiving information and services from government agencies through visiting their websites and reading news and obtaining needed information.
- **Interacting with government organizations:** includes bilateral communication with government organizations. For examples downloading, completing and returning forms of university entrance, fuel cards,...
- **Sending or receiving e-mail:** includes use of e-mail for receiving or sending information.
- **Telephoning over the Internet/VoIP:** it stands for Voice over Internet Protocol (VoIP) or telephone IP which provides telephone calls facilities over

the Internet. Indeed the use of VoIP technology, human voice is sent by IP information packages and via the Internet. In order to meet the above needs, VoIP can use accelerating hardware devices or can be used in a personal-computer based environment.

- **Participating in social networks (creating blogs (creating user profile), sending /receiving messages or communicating with people via Facebook, Twitter,...):** includes membership in the website such as Facebook, Twitter, Instagram which are called social websites and are used for making communication with different persons.
- **Accessing chat sites, blogs, newsgroups or online discussions:** includes chatting on the sites, accessing blogs, newsgroups or online discussions. Users visit the site by entering their username and password and make online discussion on different issues with persons. Online talking on the Internet as sound or typing is called chatting.
- **Purchasing or ordering goods or services:** includes purchasing or ordering goods or services from different sites.
- **Selling goods or services:** includes supply and sale of goods and services.
- **Using services related to travel or travel related accommodation:** includes getting tourist and tourism information such as duration and expense of travel to different places and reservation of accommodation via the Internet.
- **Internet banking:** includes payment of water/phone/electricity bills, installments of banking loans ,... .
- **Doing a formal online course (in any subject):** includes holding virtual courses for transferring information on different subjects from long distance
- **Consulting wikis, online encyclopedias or other websites for formal learning purposes:** Education which is the most useful activity on the Internet can be obtained through different sites. Using the internet and seeking information from sites such as wikis, encyclopedias or other websites for formal learning purposes
- **Listening to web radio:** includes listening to the radio over the Internet
- **Watching web television:** includes watching TV over the Internet.
- **Downloading games, images, movies or music:** includes playing online games or downloading computer games software and downloading images, movies, or music
- **Downloading software or applications:** includes downloading patches and different scientific, artistic and educational applications
- **Reading or downloading online newspapers or magazines, electronic books:** includes reading or downloading online newspapers or magazines, electronic books from different news websites
- **Looking for a job or sending/submitting a job application:** includes searching specific web sites for a job; sending an application online to the websites needing labour force recruitment
- **Participating in professional networks (profile creation, contributing through messaging, membership in LinkedIn,...)** includes sending

messages, registering and participating in professional websites such as LinkedIn. By creating a profile and recording field of study, job records and expertise, people can communicate with companies or institutions engaged in the activities in relation with their expertise and get informed from these websites and their needs for the labour force.

- **Online teleworking:** includes holding virtual work meetings and presenting job reports online. It can be as sound or sound and video between two or more persons at the same time.
- **Managing personal/own homepage:** includes controlling, deleting and posting information on the own homepage by the person who has created that homepage.
- **Uploading self/user-created content to a website to be shared, such as images, photos, movies, music, software, etc. :** includes uploading or sharing personal information such as intended images, photos, movies, music, software,.. with intended size on the websites such as Picofile, 4Sharde, Aparat for other people.
- **Maintaining or adding contents to a blog:** includes changing, controlling personal information with personal /own weblogs
- **Posting opinions on civic or political issues via websites( Blogs, social networks, etc):** includes visiting political/governmental ( for the persons with permission for visiting), posting/leaving comments/opinions on civic or political issues via websites( such as blogs, social networks, etc)
- **Taking part in online consultations or voting to define civic or political issues(Urban planning, signing a petition etc.):** includes taking part in consultation or voting on different political websites launched for collecting the public opinions.
- **Using storage space on the Internet to save documents, pictures, music, video, software and other files on every website in order to share with others:** includes saving and sharing personal information (if intended) on the Internet (such as Google Drive, Dropbox, Windows Skydrive, iCloud, Amazon Cloud Drive). A large amount of information can be saved.
- **Using software run over the Internet for editing text documents, spreadsheets or presentations:** includes use of software run over the Internet by people who use space on the Internet for producing, editing or changing their own files. (Google Docs, Office 365)

### **Type of connections used for the Internet access at home**

It refers to the connection by which the users can access the Internet. They are:

- **Broadband:** It refers to a telecommunications signal or device of greater bandwidth and a communication with a bandwidth of at least 256 kbit/s without phone line occupation limitation when connecting to the Internet and is defined as fixed broadband and wireless broadband.
  1. **Fixed broadband:** includes lines which provide services through cable (often telecommunications cable) mainly in 4 types: cable modem, ADSL, optical fiber and other fixed broadband. In our country, ADSL is the widely-

used type of connections of fixed broadband at home because in this type of service, for connection to the high speed Internet, there is not a need for a new phone line and the connection is made by unused telephone line bandwidth and the user's line is not occupied and there is no extra expense. This type of connection is used by installing equipment in the users' telephone centre and a special modem at the users' place. In this service, the whole band available at the lines is used for provision of the highest possible speed. Thus, the speed of this type of service is 40 times faster than the dial-up service.

2. **Wireless broadband:** this is a type of the Internet connection which is made via radio, satellite or wireless telecommunications waves. It is mainly in 4 forms; satellite antenna, land-based fixed broadband wireless (such as WiFi, WiMAX,...), mobile phone (cellular phone) network (e.g. at least 3G and UMTS) and provides services by mobile phone via card or USB.

- **Narrowband:** It refers to a telecommunications signal or device of low bandwidth and a communication with a bandwidth of less than 256 kbit/s and is defined as fixed narrowband and mobile narrowband.

1. **Fixed narrowband:** includes a type of service for accessing the Internet such as Dial-up and ISDN, etc.

2. **Mobile narrowband:** includes a type of service for accessing the Internet such as CDMA 1x 3G, GPRS, EDGE.

### Internet penetration rate

This is an indicator for measuring the level of the Internet access in every society and its equivalent is "Internet users per 100 population" and international organizations such as UNSD (United Nations Statistics Division) ITU (International Telecommunications Union) and UNCTAD (United Nations Conference on Trade and Development) have a consensus on this definition. This indicator is calculated as follows: the proportion of the number of people using the Internet in the last three months in every statistical unit to the total population of the very statistical unit which is stated as percentage.

$$\text{Internet penetration rate} = \frac{\text{Number of the Internet users}}{\text{Total in scope population}} \times 100$$

With respect to the beginning of schooling age at 6, therefore, for calculation of the Internet penetration rate, population aged 6 and more is studied. Accordingly, Internet penetration rate is used through the following formula:

$$\text{Internet penetration rate} = \frac{\text{Number of the Internet users aged 6 and over}}{\text{Total population aged 6 and over}} \times 100$$

## Selected statistical findings

The most important results of the survey on "ICT access and use by Households and Individuals- January 2014" are related to a three-month period before the survey time.

### • Proportion of households with a radio and with a television

Out of the total 22.8 million households, about 13.0 million households (57.0%) and 22.5 million households (98.4%) had access to a radio and a TV at home, respectively. These shares were 61.1% and 98.9 % for urban households and 45.5% and 97.1 % for rural households.

#### 1. Nation's households by access to radio and TV and disaggregated by urban and rural areas, 2013

Description	Total		Urban		Rural	
	Number	Percent	Number	Percent	Number	Percent
<b>Total households</b>	<b>22821770</b>	<b>100.0</b>	<b>16778841</b>	<b>100.0</b>	<b>6042929</b>	<b>100.0</b>
Households with a radio	13006793	57.0	10256167	61.1	2750626	45.5
Households with a TV	22463928	98.4	16598047	98.9	5865881	97.1

### • Proportion of households with telephone and with a computer

Out of the total households, about 22.3 million households (97.6%) had access to telephone (fixed or mobile cellular telephone or both) at home. These shares were 98.9% and 93.9% for urban and rural households, respectively. Out of total households with a telephone in the country, 5.0% had a fixed telephone only, 1.5 % were with a mobile telephone only, and 91.0% enjoyed both fixed and a mobile telephone. Moreover, 10.5 million households (45.9%) had access to a computer at home. Furthermore, 54.0% of urban households and 23.3% of rural households had access to a computer at home.

#### 2. Nation's households by availability of telephone and computer and disaggregated by urban and rural areas, 2013

Description	Total		Urban		Rural	
	Number	Percent	Number	Percent	Number	Percent
<b>Total households</b>	<b>22821770</b>	<b>100.0</b>	<b>16778841</b>	<b>100.0</b>	<b>6042929</b>	<b>100.0</b>
Households with a telephone	22262811	97.6	16589616	98.9	5673195	93.9
• Fixed telephone only	1143638	5.0	760603	4.5	383035	6.3
• Mobile cellular telephone only	341487	1.5	136207	0.8	205280	3.4
• Both fixed and mobile telephone	20777685	91.0	15692806	93.5	5084880	84.1
Households with a computer	10468407	45.9	9061681	54.0	1406726	23.3

- **Proportion of households with Internet**

Out of the total 22.8 million households, about 8.6 million households (37.8%) had access to the Internet out of which 7.6 million (87.7%) and 1.1 million (12.3%) households were living in urban and rural areas, respectively. These shares were 45.1% and 17.5 % for urban and rural households, respectively.

Out of the total households accessing the Internet at home, 3.8 million households (44.1%) had fixed broadband access (majorly, ADSL), 2.6 million households (30.2%) were with wireless broadband access (majorly land-based fixed wireless access such as WiFi and WiMAX), 833000 households(9.7%) had at least fixed narrowband access(majorly, Dial-Up) and about 842000 households (9.8%) had access to at least mobile narrowband(majorly GPRS). Meanwhile, 2.3 million households (26.6%) did not report anything about the type of their access service.

### 3. Nation's households by access to Internet and disaggregated by urban and rural areas, 2013

Description	Total		Urban		Rural	
	Number	Percent	Number	Percent	Number	Percent
<b>Total households</b>	<b>22821770</b>	<b>100.0</b>	<b>16778841</b>	<b>100.0</b>	<b>6042929</b>	<b>100.0</b>
Households with internet access at home	<b>8625067</b>	<b>37.8</b>	<b>7567233</b>	<b>45.1</b>	<b>1057834</b>	<b>17.5</b>
• At least access to fixed broadband Internet	<b>3799699</b>	<b>16.6</b>	<b>3552131</b>	<b>21.2</b>	<b>247568</b>	<b>4.1</b>
• At least access to wireless broadband Internet	<b>2607730</b>	<b>11.4</b>	<b>2378277</b>	<b>14.2</b>	<b>229453</b>	<b>3.8</b>
• At least access to fixed narrowband Internet	<b>833341</b>	<b>3.7</b>	<b>721255</b>	<b>4.3</b>	<b>112087</b>	<b>1.9</b>
• At least access to mobile narrowband Internet	<b>841770</b>	<b>3.7</b>	<b>711967</b>	<b>4.2</b>	<b>129802</b>	<b>2.1</b>
• Unstated	<b>2292052</b>	<b>10.0</b>	<b>1846787</b>	<b>11.0</b>	<b>445265</b>	<b>7.4</b>

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- **Comparison of the household ICT indicators in the three periods of surveys**

Comparison of the nation's households in three surveys on ICT indicators shows that the proportion of the households with a fixed telephone, with a mobile phone, with a computer and with the internet access at home increased 11.0%, 21.2%, 15.7% and 19.6%, respectively in 2013 compared to 2008. Moreover, in 2013 compared to 2010, this proportion for the households with a fixed telephone, with a mobile telephone, with a computer and with the internet access at home grew by 1.3%, 6.8%, 10.7% and 16.4%, respectively.



#### 4. Nation's households by access to information and communication technology, 2008, 2010 and 2013

Description	2008		2010		2013	
	Number	Percent	Number	Percent	Number	Percent
<b>Total households</b>	<b>18779479</b>	<b>100.0</b>	<b>20286247</b>	<b>100.0</b>	<b>22821770</b>	<b>100.0</b>
Households with a fixed telephone	15980925	85.1	19227132	94.8	21921323	96.1
Households with a mobile phone	13389396	71.3	17388037	85.7	21119172	92.5
Households with a computer	5665902	30.2	7146171	35.2	10468407	45.9
Households with the Internet access	3411499	18.2	4336567	21.4	8625067	37.8

- **Proportion of individuals using a mobile cellular telephone**

Out of the total 77.1 million population of the country, about 70.6 million persons are at the age of 6 and over of whom a number of 47.4 million persons had a mobile telephone. Out of this population with a mobile telephone, 37.0 million and 10.4 million persons were living in urban and rural areas, respectively. Based on proportion of individuals using a mobile cellular telephone in the country, this rate for the population aged 6 and over was 67.2%, for urban and rural areas was 72.1% and 54.2%, respectively.

#### 5. Nation's population by use of mobile telephone and disaggregated by urban and rural areas, 2010 and 2013

Year	Description	Total population	Population aged 6 and over		
			Total	Urban	Rural
	<b>Total population</b>	<b>74837792</b>	<b>69136914</b>	<b>50096296</b>	<b>19040618</b>
2010	Population with a mobile telephone	37289600	37289600	30223926	7065674
	Mobile telephone penetration rate(%)	49.8	53.9	60.3	37.1
	<b>Total population</b>	<b>77122228</b>	<b>70562413</b>	<b>51317490</b>	<b>19244923</b>
2013	Population with a mobile telephone	47430649	47430649	36999545	10431104
	Mobile telephone penetration rate(%)	61.5	67.2	72.1	54.2
	Relative standard error(%)*	-	0.35	0.38	0.82

\*.Based on relative standard error, the top and bottom limit of the relative estimator of the coefficient rate(X) with the confidence of 95% is obtained through  $(x-1.96* RSE*x /100)$  ,  $x+1.96* RSE*x /100)$ .

- **Proportion of individuals using a computer**

Out of the total population of the country, 24.4 million persons are computer users of which 24.2 million people are at the age of 6 and over. Out of the total population aged 6 and over 21.2 million and 3.0 million persons were living in urban and rural areas, respectively indicating that proportion of individuals using a computer in the country is 31.7 percent. Moreover, proportion of individuals using a computer for the population aged 6 and over is 34.3%. This rate is 41.4% and 15.5% for urban and rural areas, respectively.

## 6. Nation's population by use of computer and disaggregated by urban and rural areas, 2010 and 2013

Year	Description	Total population	Population aged 6 and over		
			Total	Urban	Rural
2010	<b>Total population</b>	<b>74837792</b>	<b>69136914</b>	<b>50096296</b>	<b>19040618</b>
	Population using a computer	18441195	18297957	16411960	1885997
	Computer penetration rate(%)	24.6	26.5	32.8	9.9
2013	<b>Total population</b>	<b>77122228</b>	<b>70562413</b>	<b>51317490</b>	<b>19244923</b>
	Population using a computer	24418556	24221177	21235321	2985856
	Computer penetration rate(%)	31.7	34.3	41.4	15.5
	Relative standard error(%)*	-	0.92	0.96	2.76

\*.Based on relative standard error, the top and bottom limit of the relative estimator of the coefficient rate(X) with the confidence of 95% is obtained through  $(x-1.96* RSE*x /100)$  ,  $x+1.96* RSE*x /100)$

### • Proportion of individuals using the Internet

Based on the survey conducted in 2013, out of the total 77.1 million population of the country, a number of 21.2 million persons were internet users indicating that 27.4% of population used the internet. Moreover, 31.7% were computer users and 61.5% used a mobile phone

Out of the total population of the country, 70.6 million persons are at the age of 6 and over. Out of this number, 21.2 million are the Internet users indicating that the internet penetration rate in the country is 30.0%. Compared to 2008 and 2010, this rate had a significant increase. Moreover, the Internet penetration rate for the population aged 6 and over in urban and rural areas is 36.6% and 12.3%, respectively.

## 7. Nation's population by use of the Internet and disaggregated by urban and rural areas, 2008, 2010 and 2013

Year	Description	Total population	Population aged 6 and over		
			Total	Urban	Rural
2008	<b>Total population</b>	<b>71838203</b>	<b>66059095</b>	<b>44513052</b>	<b>21546043</b>
	Population using the Internet	7955928	7940790	7234395	706395
	Internet penetration rate(%)	11.1	12.0	16.3	3.3
2010	<b>Total population</b>	<b>74837792</b>	<b>69136914</b>	<b>50096296</b>	<b>19040618</b>
	Population using the Internet	11002248	10992097	10150658	841439
	Internet penetration rate(%)	14.7	15.9	20.3	4.4
2013	<b>Total population</b>	<b>77122228</b>	<b>70562413</b>	<b>51317490</b>	<b>19244923</b>
	Population using the Internet	21165306	21134399	18761404	2372995
	Internet penetration rate(%)	27.4	30.0	36.6	12.3
	Relative standard error(%)*	-	0.98	1.02	3.06

\*.Based on relative standard error, the top and bottom limit of the relative estimator of the coefficient rate(X) with the confidence of 95% is obtained through  $(x-1.96* RSE*x /100)$  ,  $x+1.96* RSE*x /100)$

- **Proportion of individuals using the Internet, by sex**

Out of the total Internet users aged 6 and over, a number of 12.2 million persons (57.9%) were male and 8.9 million persons (42.0%) were female. Besides, the gender of 0.1 percent of the Internet users was not reported. Moreover, in the mentioned period, the male Internet users accounted for 33.8% of the total male population while the female Internet users made up 25.8 percent of the total female population aged 6 and over in the country.

#### 8. Population aged 6 and over by age and status of using the Internet, 2013

Description	Total	Male	Female	Unstated
<b>Total</b>	<b>70562413</b>	<b>36154111</b>	<b>34381154</b>	<b>27148</b>
• Using the Internet	21134399	12231997	8880440	21962
• Not using the Internet	49428014	23922114	25500714	5186
Internet penetration rate(%)	30.0	33.8	25.8	-

- **Proportion of individuals using the Internet, by age**

Out of the total Internet users aged 6 and over, 8.7% were under 15. Among the Internet users, 36.2 percent were at ages 15-24; adults ages 25-49 made up 48.6% of the users, moreover, 6.4% of the users were at the age of 50-74 and the adults ages 75 and over accounted for 0.1% of the Internet users.

#### 9. Population aged 6 and over by age and status of using the Internet, 2013

Description	Total	6-14	15-24	25-49
<b>Total</b>	<b>70562413</b>	<b>9902604</b>	<b>14950928</b>	<b>30509649</b>
• Using the Internet	21134399	1846878	7643571	10261886
• Not using the Internet	49428014	8055726	7307357	20247763
Internet penetration rate(%)	30.0	18.7	51.1	33.6
Percentage of the users in each age group of the total users	100.0	8.7	36.2	48.6

Description	50-74	75 and over	Unstated
<b>Total</b>	<b>13359524</b>	<b>1715891</b>	<b>123817</b>
• Using the Internet	1351646	30418	123817
• Not using the Internet	12007878	1685473	0
Internet penetration rate(%)	10.1	1.8	-
Percentage of the users in each agegroup of the total users	6.4	0.1	0.6

- **Internet users by education**

Out of the total Internet users aged 6 and over, 12.6% were in primary and lower secondary education, 34.6% were in upper secondary and pre-university education and 52.1% were in higher education.

**10. Internet users aged 6 and over by literacy status, educational course or attainment, 2008, 2010 and 2013**

Year /description	Total	literacy				Illiterate	Unstated	
		Primary and lower secondary	Upper secondary	Higher education	Literacy, non formal and unstated			
2008	Number	7940790	826428	2769104	4329208	7844	8206	0
	Percent	100.0	10.4	34.9	54.5	0.1	0.1	0.0
2010	Number	10992097	926069	3485975	6571733	8320	0	0
	Percent	100.0	8.5	31.7	59.8	0.1	0.0	0.0
2013	Number	21134399	2660705	7307713	11013737	18226	84871	49147
	Percent	0.100	12.6	34.6	52.1	0.1	0.4	0.2

- **Internet users by activity status**

Out of the 20.8 million Internet users aged 10 and over, 37.7% were students, 37.6 % were employed, 12.7% were homemakers, 7.7% were unemployed and 4.0% were income recipients and others. Moreover, the activity of 0.4% of the Internet users was unstated. Therefore, the largest Internet users aged 10 and over were students followed by employed people who had made use of the Internet more than any other groups.

**11. Internet users aged 6 and over by activity status, 2008, 2010 and 2013**

Year / description	Total	Employed	Unemployed	Student	Homemaker	Others	Unstated	
2008	Number	7881996	2523538	622644	3969788	476973	281092	7961
	Percent	100.0	32.0	7.9	50.4	6.1	3.6	0.1
2010	Number	10949080	3512235	847108	5278316	786738	508154	16529
	Percent	100.0	32.1	7.7	48.2	7.2	4.6	0.2
2013	Number	20839854	7841313	1598357	7848470	2647116	827521	77077
	Percent	100.0	37.6	7.7	37.7	12.7	4.0	0.4

- **Internet users by location**

Out of the total Internet users aged 6 and over, 80.3% had access at least at home, 16.7% at least at commercial Internet access facility, 15.7% at least at work, 9.8% at least at education place, 6.4% at least at another person's home and 1.3% at community Internet access facility; meanwhile 13.7% of the internet users had used at least mobile devices.

## 12. Internet users aged 6 and over by place of access to the Internet, 2008, 2010 and 2013

Year / description		Total	Home	Work	Education place	Another person's home
2008	Number	7940790	5970873	1194725	1182635	731432
	Percent	100.0	75.2	15.0	14.9	9.2
2010	Number	10992097	8265994	1581774	1469359	427441
	Percent	100.0	75.2	14.4	13.4	3.9
2013	Number	21134399	16966642	3315370	2071934	1355195
	Percent	100.0	80.3	15.7	9.8	6.4

Year / description		Community Internet access facility	Commercial Internet access facility	With mobile devices in every place	Unstated
2008	Number	96882	2065898	292903	35941
	Percent	1.2	26.0	3.7	0.5
2010	Number	155798	2468994	534028	42503
	Percent	1.4	22.5	4.9	0.4
2013	Number	267717	3527216	2905637	-
	Percent	1.3	16.7	13.7	-

### • Internet users by frequency of access

According to the survey conducted, in 2013, out of the total Internet users aged 6 and over, 7.4 million persons (34.8%) had used the Internet at least once a day, 5.1 million people (24.2%) at least once a week but not every day, 2.3 million individuals (10.7%) at least once a month not every week and 3.4 million persons (16.0%) less than once a month. Meanwhile, up to 3.0 million (14.2%) Internet users did not report the frequency of their Internet access.

## 13. Internet users aged 6 and over by frequency of access to the Internet, 2008, 2010 and 2013

Year / description		Total	At least once a day	At least once a week but not every day	At least once a month not every week	Less than once a month	Unstated
2008	Number	7940790	1395864	3115842	1947301	1423720	58063
	Percent	100.0	17.6	39.2	24.5	17.9	0.7
2010	Number	10992097	2868507	3644725	2926129	1545437	7299
	Percent	100.0	26.1	33.2	26.6	14.1	0.1
2013	Number	21134399	7361192	5115841	2267446	3381429	3008491
	Percent	100.0	34.8	24.2	10.7	16.0	14.2





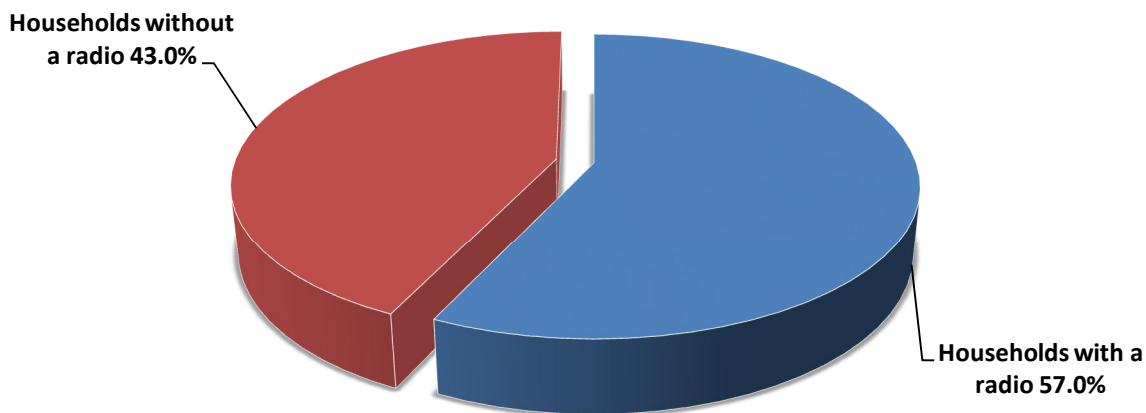
# Charts

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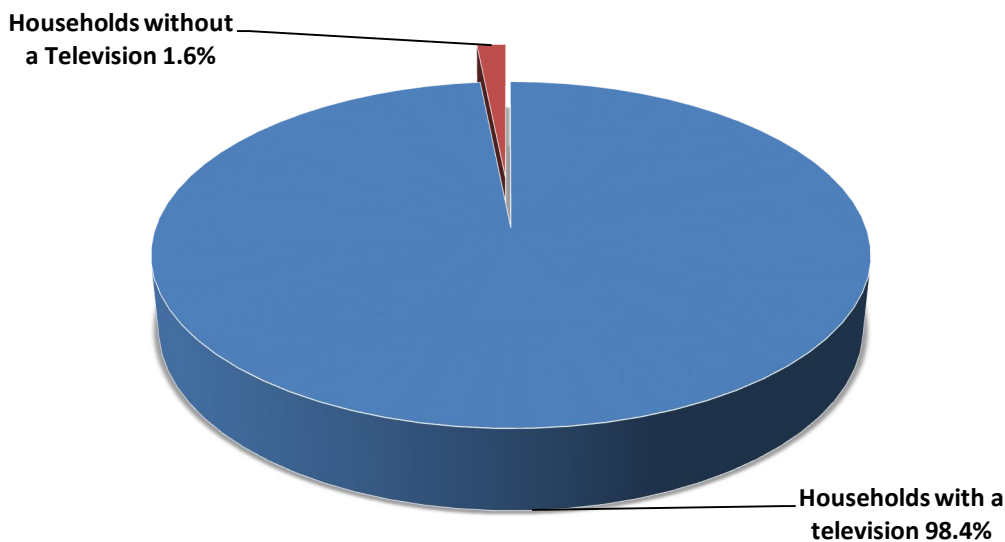




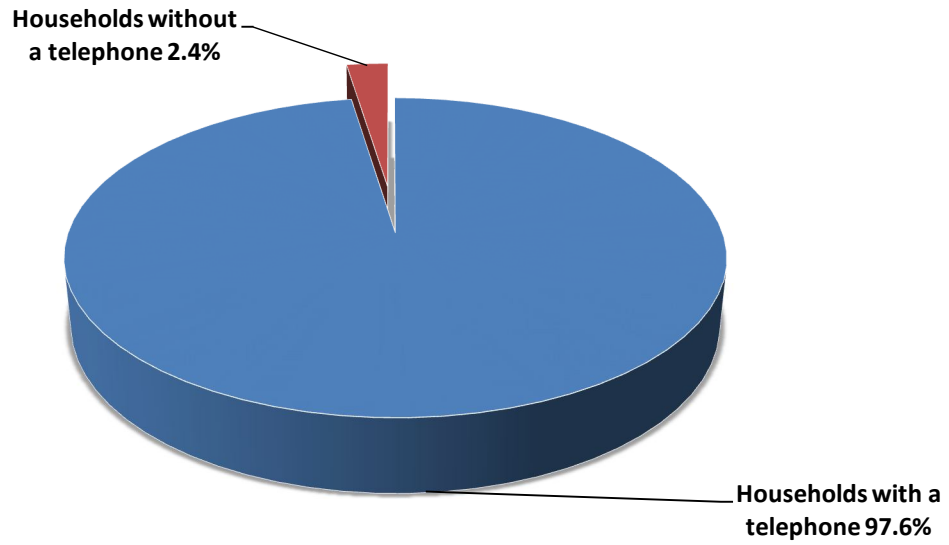
### Chart 1. Nation's households by the status of radio access, 2013



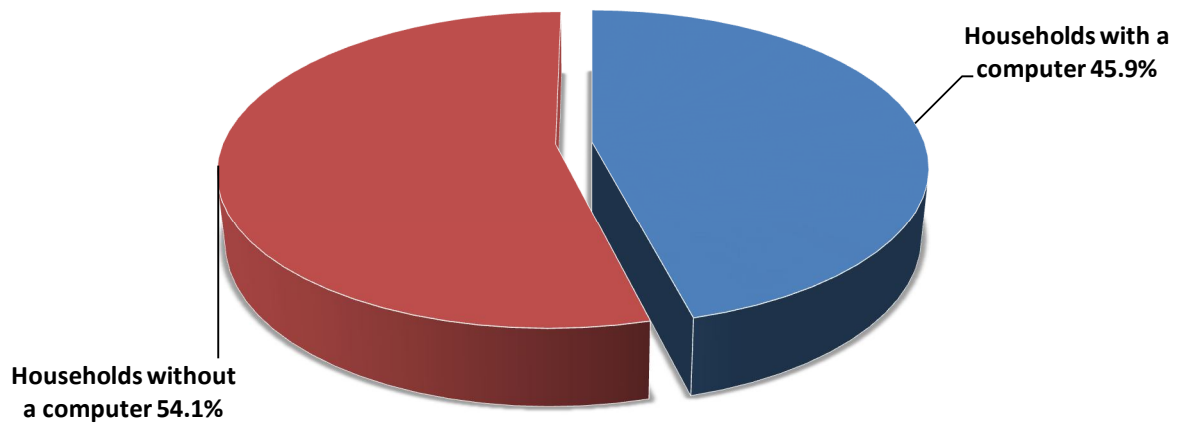
### Chart 2. Nation's households by the status of television access, 2013



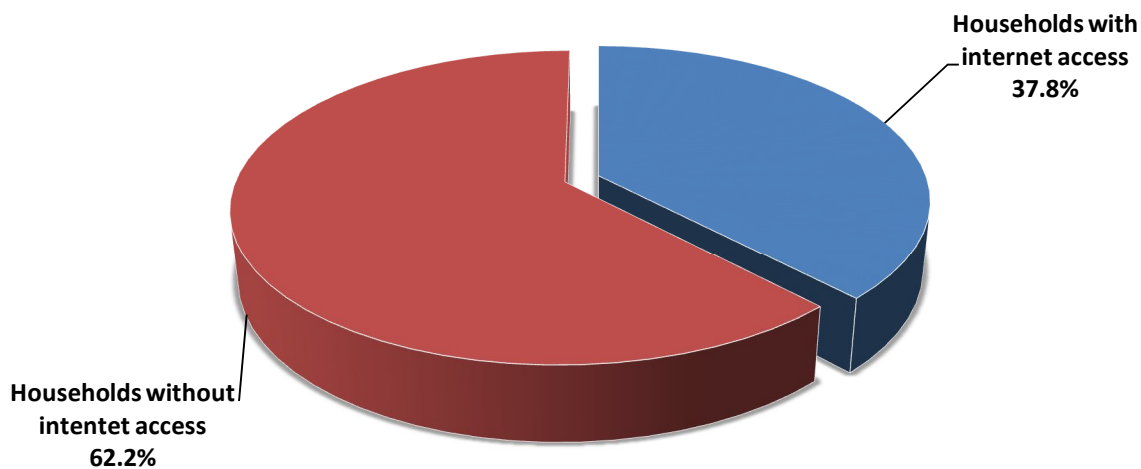
**Chart 3. Nation's households by the status of telephone access, 2013**



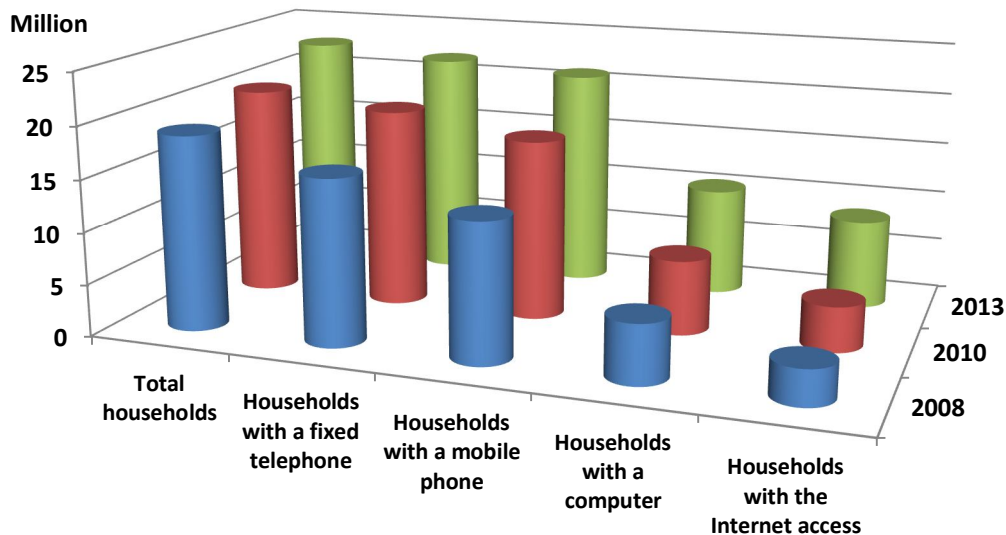
**Chart 4. Nation's households by the status of computer access, 2013**



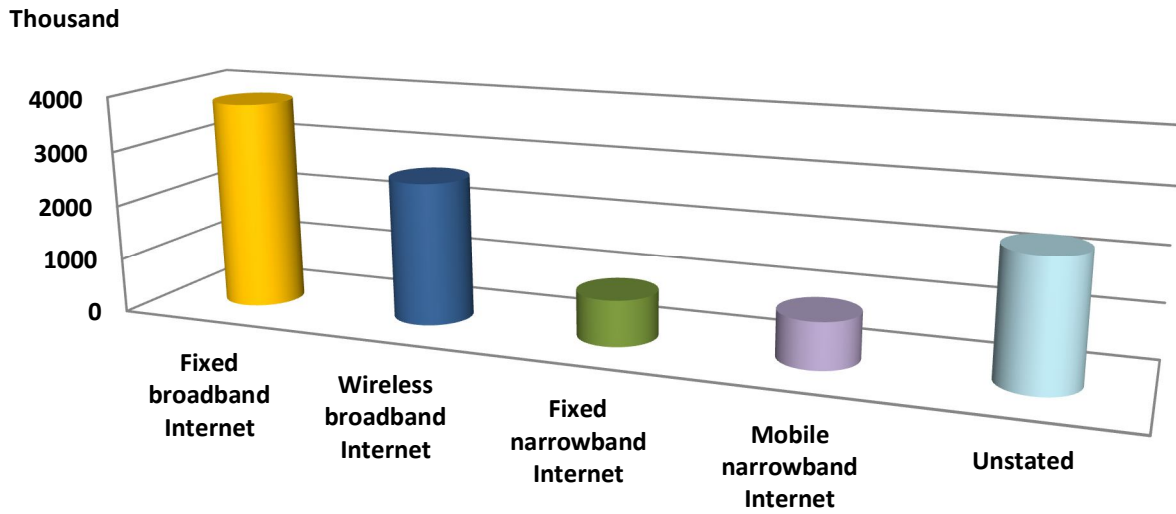
**Chart 5. Nation's households by the status of internet access, 2013**



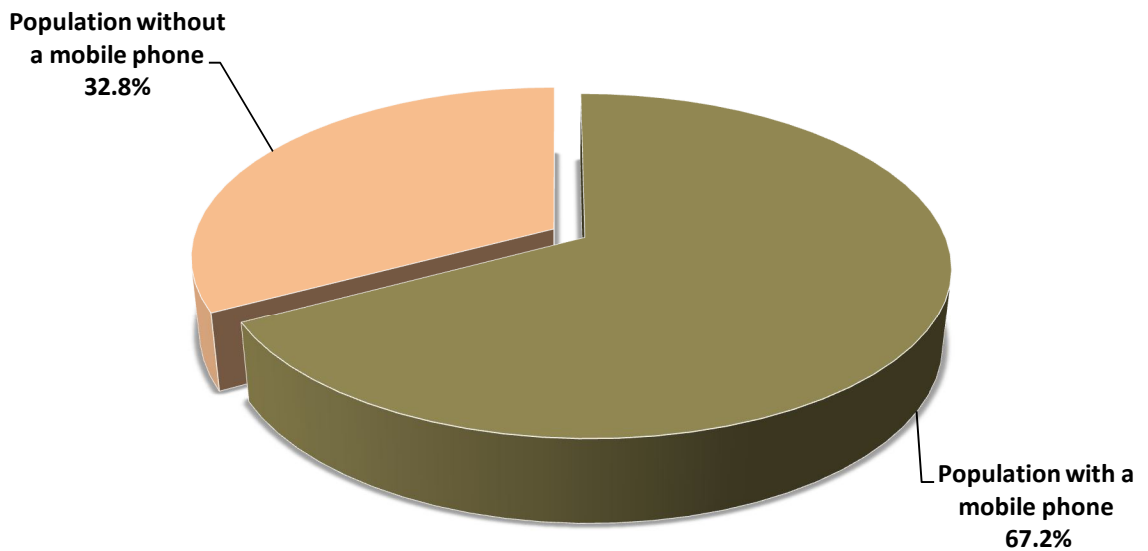
**Chart 6. Comparison of nation's households by access to ICT, 2008, 2010 and 2013**



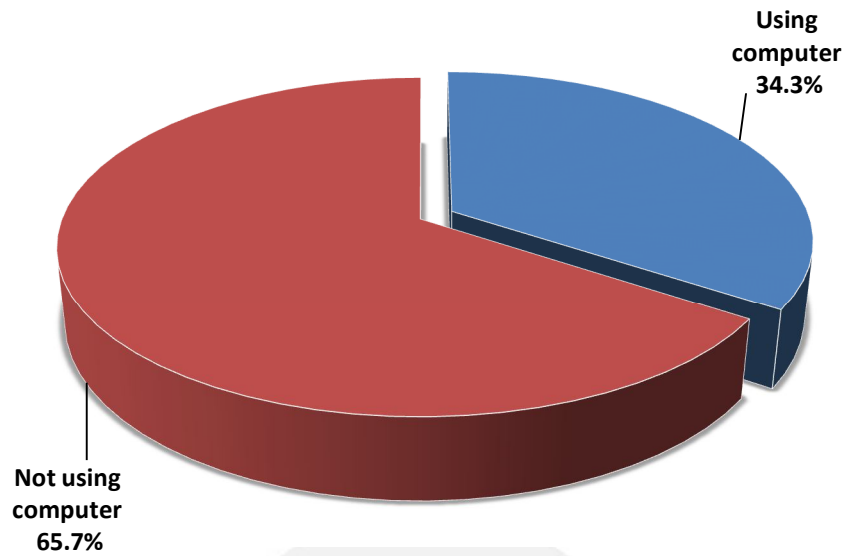
**Chart 7. Nation's households by by type of access to internet at the place of residence,2013**



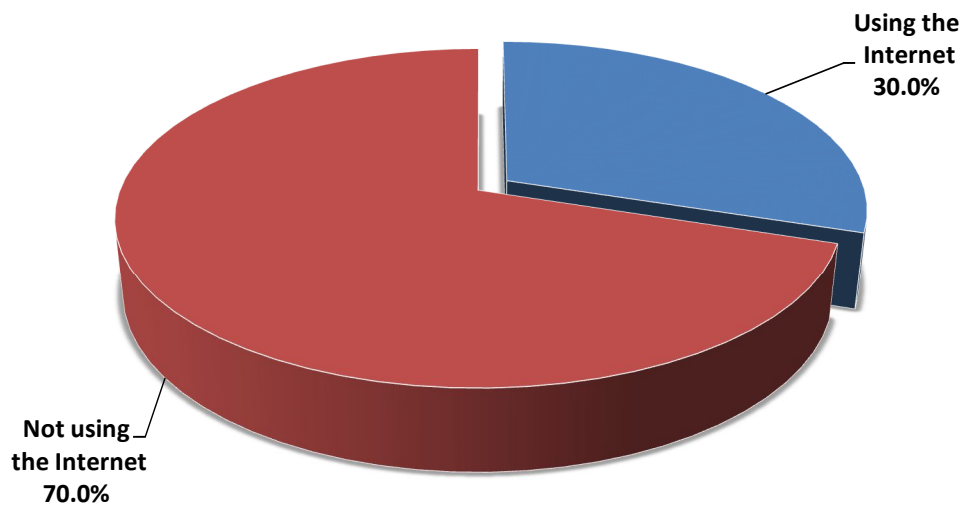
**Chart 8. Population aged 6 and over by the status of mobile telephone use, 2013**



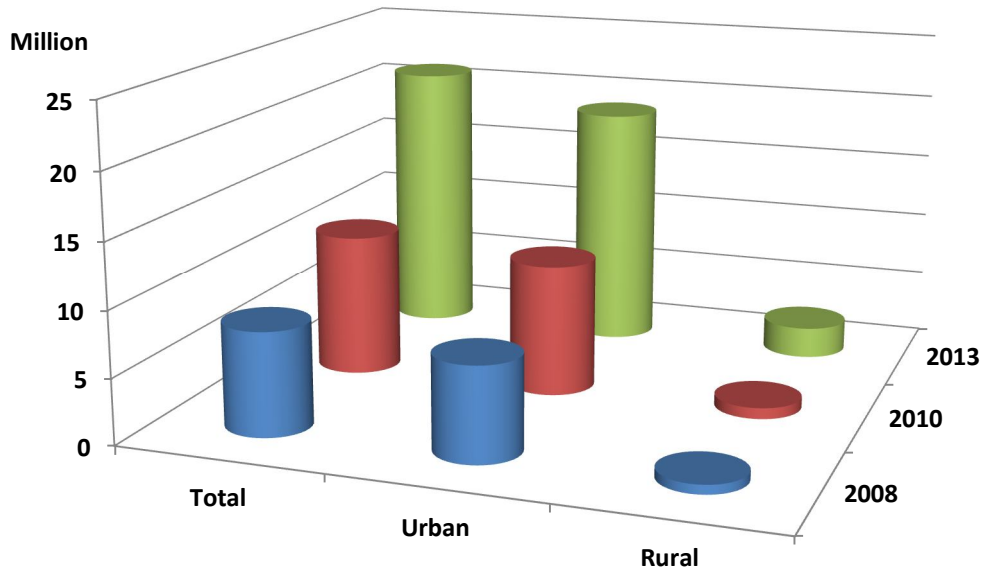
**Chart 9. Population aged 6 and over by the status of computer use, 2013**



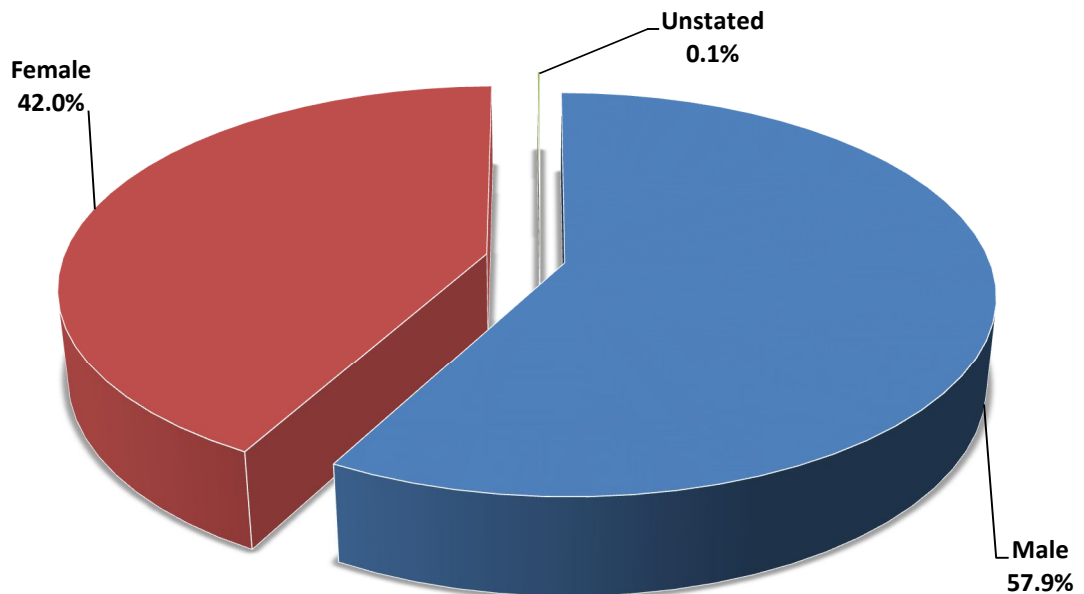
**Chart 10. Population aged 6 and over by the status of internet use, 2013**



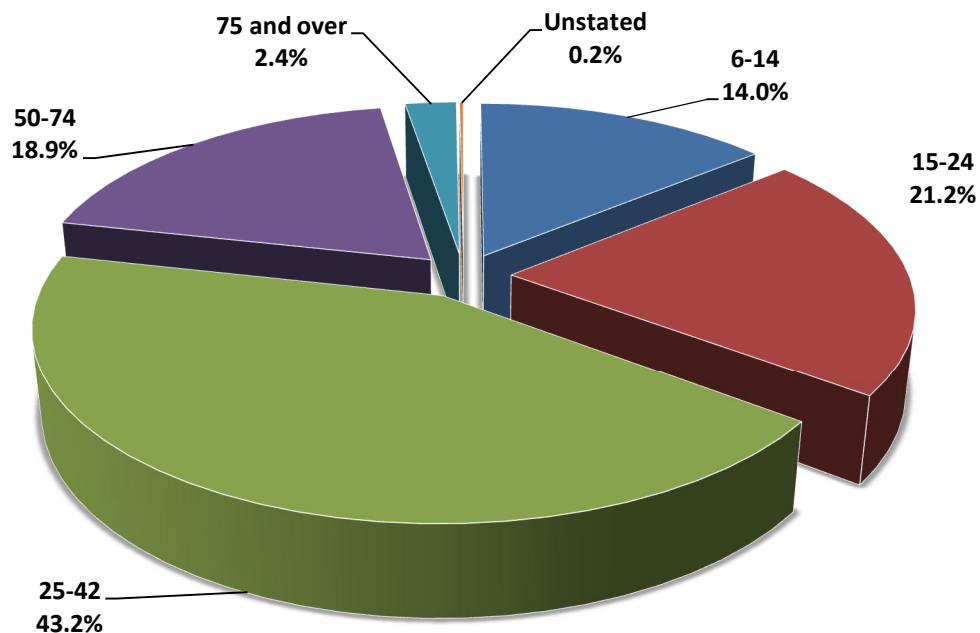
**Chart 11. Comparison of the nation's internet users aged 6 and over by urban and rural areas, 2008, 2010 and 2013**



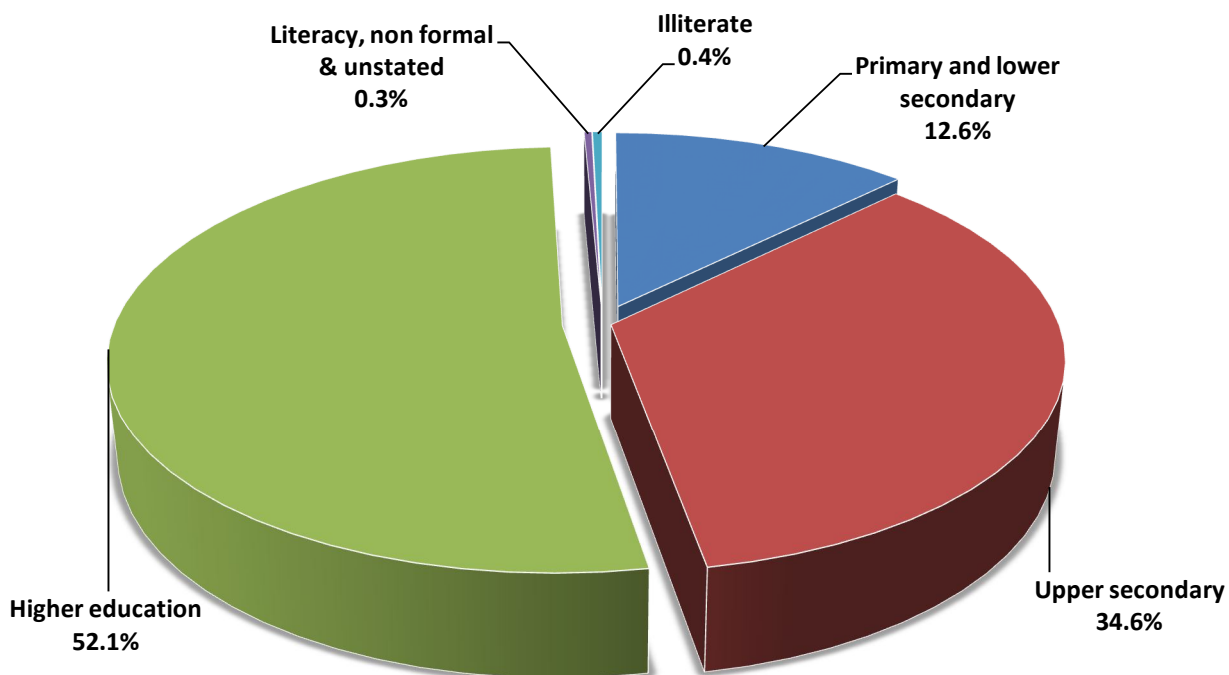
**Chart 12. Internet users aged 6 and over by sex, 2013**



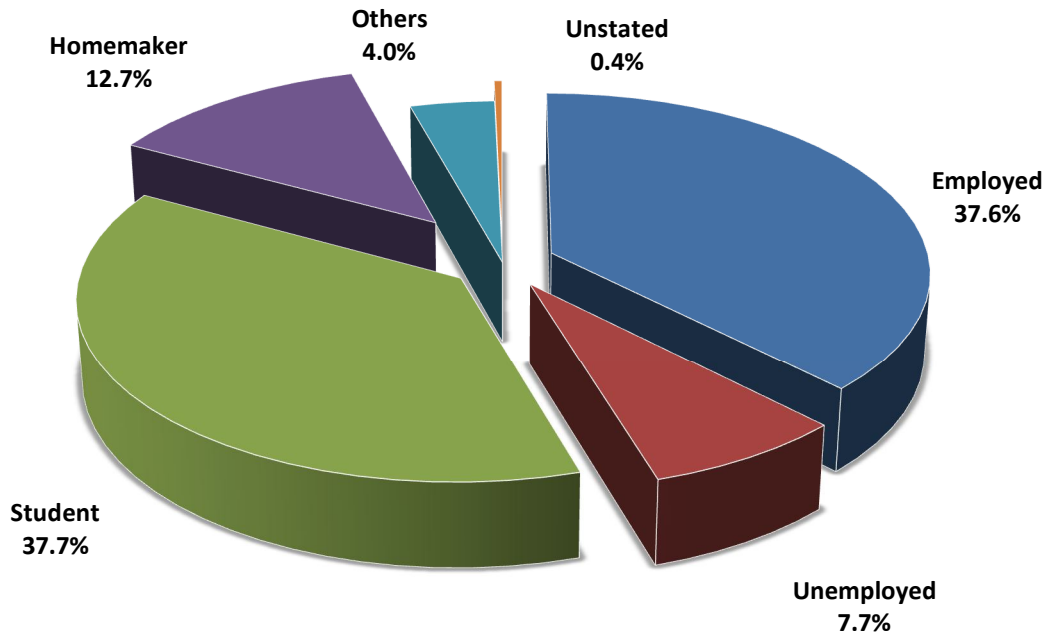
**Chart 13. Internet users aged 6 and over by age groups, 2013**



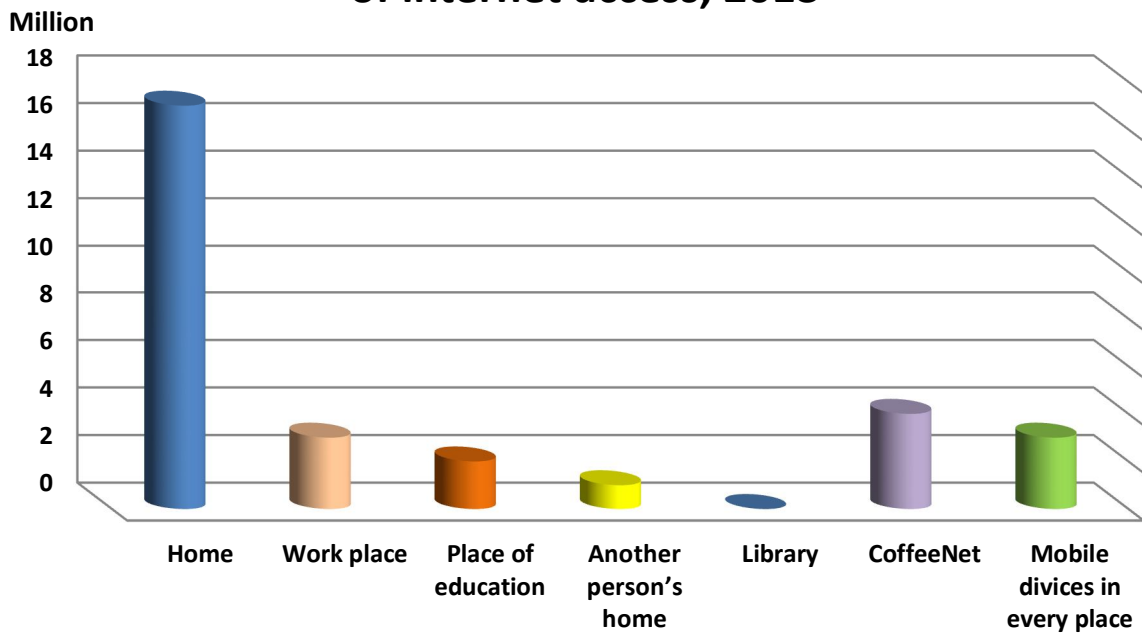
**Chart 14. Internet users aged 6 and over by literacy status and educational attainment, 2013**



**Chart 15. Internet users aged 10 and over by activity status, 2013**

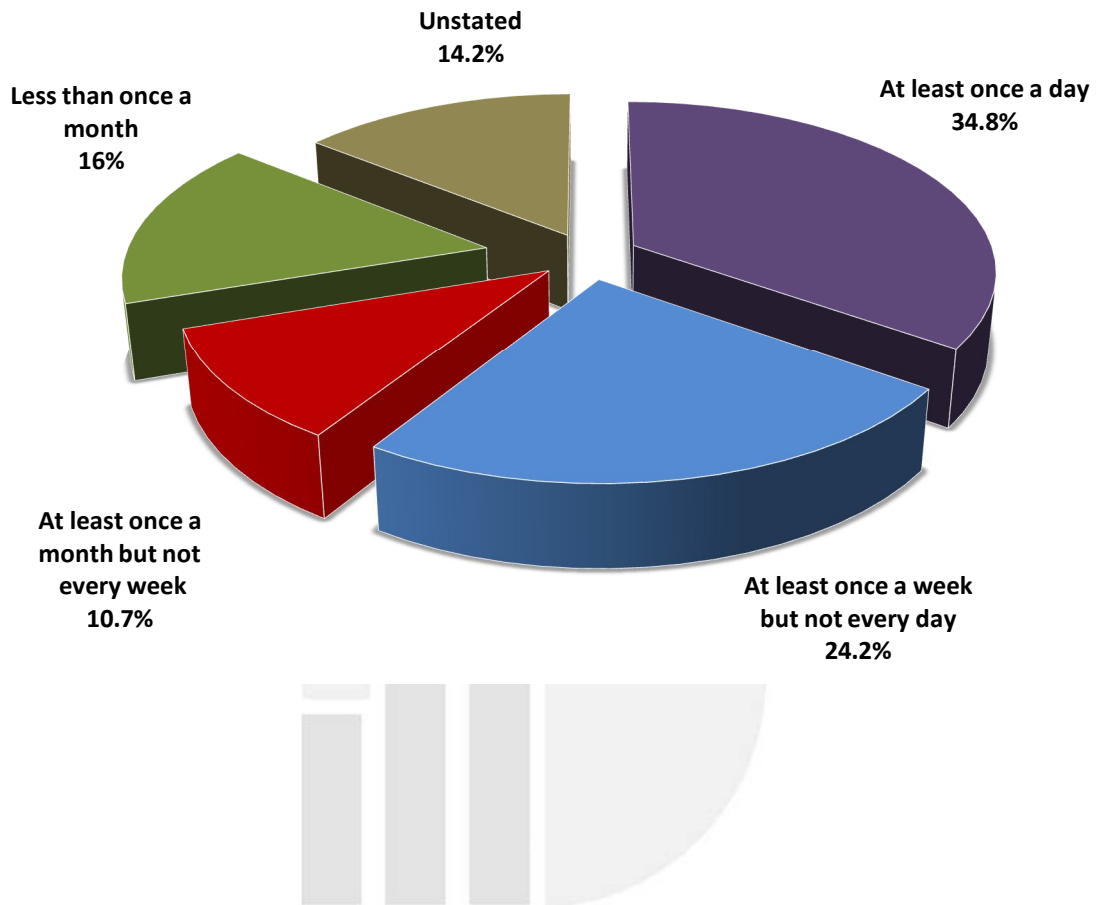


**Chart 16. Internet users aged 6 and over by place of internet access, 2013**





**Chart 17. Internet users aged 6 and over by frequency of internet access, 2013**



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# Statistical Tables



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**1. Nation's households by having and not having persons under 15 and ICT access, disaggregated by urban and rural areas, 2013**

Description	Total	With member under 15	Without any member under 15
<b>Total</b> .....	<b>22821770</b>	<b>11769061</b>	<b>11052709</b>
Households with a radio .....	13006793	6466034	6540759
Households with a television .....	22463928	11639114	10824814
Households with telephone .....	22262811	11653127	10609684
- Fixed telephone only .....	1143638	112947	1030691
- Mobile telephone only .....	341487	188868	152619
- Both fixed and mobile telephone ...	20777685	11351312	9426373
Households with a computer .....	10468407	5637980	4830427
households with Internet at home .....	8625067	4401303	4223764
- Access to fixed broadband internet	3799699	1798394	2001305
- Access to wireless broadband	2607730	1265923	1341807
- Access to fixed narrowband	833341	454041	379300
- Access to mobile narrowband	841770	430512	411258
- Unstated .....	2292052	1282634	1009418
<b>Urban</b> .....	<b>16778841</b>	<b>8366980</b>	<b>8411861</b>
Households with a radio .....	10256167	4984574	5271594
Households with a television .....	16598047	8285167	8312880
Households with telephone .....	16589616	8342270	8247345
- Fixed telephone only .....	760603	59757	700846
- Mobile telephone only .....	136207	72701	63505
- Both fixed and mobile telephone ...	15692806	8209812	7482994
Households with a computer .....	9061681	4807508	4254173
households with Internet at home .....	7567233	3824961	3742272
- Access to fixed broadband internet	3552131	1674836	1877294
- Access to wireless broadband	2378277	1139662	1238616
- Access to fixed narrowband	721255	393730	327525
- Access to mobile narrowband	711967	363527	348440
- Unstated .....	1846787	1032926	813860.9
<b>Rural</b> .....	<b>6042929</b>	<b>3402081</b>	<b>2640848</b>
Households with a radio .....	2750626	1481460	1269165
Households with a television .....	5865881	3353947	2511934
Households with telephone .....	5673195	3310857	2362338
- Fixed telephone only .....	383035	53190	329845
- Mobile telephone only .....	205280	116167	89114
- Both fixed and mobile telephone ...	5084880	3141500	1943380
Households with a computer .....	1406726	830472	576254
households with Internet at home .....	1057834	576342	481492
- Access to fixed broadband internet	247568	123558	124010
- Access to wireless broadband	229453	126262	103191
- Access to fixed narrowband	112087	60312	51775
- Access to mobile narrowband	129802	66984	62818
- Unstated .....	445265	249708	195557

## 2. Nation's households by status of ICT access at home disaggregated by province, 2013

Province	Total households	Households with telephone	Households with a computer	Households with Internet access
<b>Total country.....</b>	<b>22821770</b>	<b>22262811</b>	<b>10468407</b>	<b>8625067</b>
East Azarbayejan .....	1163851	1147324	520114	397228
West Azarbayejan .....	897253	890724	337702	280694
Ardebil .....	363372	355754	145960	116792
Esfahan .....	1557834	1536837	767166	592496
Alborz .....	790129	761481	434477	368164
Ilam .....	146305	145192	74333	57280
Bushehr .....	271928	268844	142570	110420
Tehran .....	3985415	3970994	2336341	2045463
Chaharmahal&Bakhtiari.....	252070	243753	98684	74343
South Khorasan.....	193835	184882	64693	50510
Khorasan-e-Razavi.....	1846567	1796498	721324	571880
North Khorasan.....	259324	251228	90791	64676
Khuzestan .....	1221547	1213917	607337	529588
Zanjan .....	309772	302518	109632	90598
Semnan.....	197959	193341	96844	75757
Sistan&Baluchestan .....	640910	526186	146064	121397
Fars .....	1351102	1325994	660951	526265
Qazvin .....	378363	374624	161002	120609
Qom .....	347371	343845	183917	162297
Kordestan .....	430945	428131	149739	106440
Kerman .....	860831	795781	306385	248644
Kermanshah .....	568720	558679	203324	176106
Kohgiluyeh&Boyerahmad.....	169331	167536	69839	64000
Golestan .....	529129	519356	210116	149548
Gilan.....	825954	793838	306564	258418
Lorestan.....	497726	493581	207178	175243
Mazandaran .....	997527	985404	520217	413473
Markazi .....	454719	453124	212670	167495
Hormozgan.....	438038	372097	198141	189693
Hamedan .....	541220	530952	208635	177462
Yazd .....	332721	330395	175697	142089

### 3. Nation's population aged 6 and over by status of ICT access, disaggregated by province, 2013

Province	Total	Population using a mobile	Population using a computer	Internet		
				Number of Internet users	Internet penetration rate	Relative standard error (%)*
<b>Total country</b> .....	<b>70562413</b>	<b>47430649</b>	<b>24221177</b>	<b>21134399</b>	<b>30.0</b>	<b>0.98</b>
East Azarbayejan .....	3484822	2303619	1204962	981933	28.2	5.07
West Azarbayejan .....	2842876	1771199	723749	613928	21.6	5.15
Ardebil .....	1147625	715920	347645	287881	25.1	4.54
Esfahan .....	4585900	3216467	1572956	1336608	29.1	3.16
Alborz .....	2322131	1698444	910176	817028	35.2	3.52
Ilam .....	526337	351119	204777	163818	31.1	4.33
Bushehr .....	949243	700771	377422	337844	35.6	3.64
Tehran .....	11608880	8869392	5781029	5398382	46.5	2.22
Chaharmahal&Bakhtiari .....	832821	525628	238034	197061	23.7	5.66
South Khorasan .....	676738	370215	189802	167294	24.7	5.56
Khorasan-e-Razavi .....	5668388	3484993	1688023	1422765	25.1	4.23
North Khorasan .....	803239	421189	209515	156067	19.4	4.87
Khuzestan .....	4158119	2835509	1386110	1153105	27.7	5.16
Zanjan .....	951216	615675	286824	252708	26.6	4.65
Semnan .....	608289	418374	226190	194885	32.0	4.73
Sistan&Baluchestan .....	2282069	964009	366787	312059	13.7	6.14
Fars .....	4304099	2994711	1602694	1354968	31.5	4.87
Qazvin .....	1134648	779056	379194	307027	27.1	5.20
Qom .....	1085548	760637	452279	396771	36.6	5.81
Kordestan .....	1368098	855983	339710	283194	20.7	5.21
Kerman .....	2764351	1602916	713883	653003	23.6	5.71
Kermanshah .....	1800587	1153985	398300	366944	20.4	5.31
Kohgiluyeh&Boyerahmad .....	620166	394290	180719	167744	27.0	4.08
Golestan .....	1657739	986308	441784	355855	21.5	5.83
Gilan .....	2343066	1745708	601950	532228	22.7	5.42
Lorestan .....	1649003	976575	412355	364439	22.1	5.10
Mazandaran .....	2956844	2174983	1126774	903727	30.6	4.61
Markazi .....	1323260	893052	449621	393343	29.7	4.73
Hormozgan .....	1510363	1049204	498523	489659	32.4	5.03
Hamedan .....	1645892	1136175	509373	445749	27.1	4.35
Yazd .....	950056	664544	400019	326381	34.4	5.79

\*. Based on relative standard error, the top and bottom limit of the relative estimator of the coefficient rate(X) with the confidence of 95% is obtained through  $(x-1.96* RSE*x /100)$  ,  $x+1.96* RSE*x /100)$ .

#### 4. Nation's population by sex and status of using computer by urban and rural areas, 2013

Description	Total population	Population aged 6 and over			
		Total	Male	Female	Unstated
<b>Total.....</b>	<b>77122228</b>	<b>70562413</b>	<b>36154111</b>	<b>34381154</b>	<b>27148</b>
Using computer.....	24418556	24221177	13692639	10506576	21962
• By desktop computer.....	20549681	20371078	11669067	8680049	21962
• By laptop .....	6438410	6415394	3531942	2883452	0
• By Tablet .....	1385763	1378438	827266	551173	0
• By small pocket computers.....	295469	295469	169965	125504	0
Not using computer .....	51969067	46341236	22461472	23874578	5186
Unstated.....	734605	0	0	0	0
<b>Urban .....</b>	<b>55752922</b>	<b>51317490</b>	<b>26259762</b>	<b>25032169</b>	<b>25560</b>
Using computer.....	21405556	21235321	11838792	9375501	21028
• By desktop computer.....	17856803	17702212	9986223	7694961	21028
• By laptop .....	5952609	5932726	3262665	2670060	0
• By tablet .....	1338216	1330891	792845	538047	0
• By small pocket computers.....	287169	287169	163042	124127	0
Not using computer .....	33830667	30082169	14420970	15656667	4531
Unstated.....	516700	0	0	0	0
<b>Rural .....</b>	<b>21369306</b>	<b>19244923</b>	<b>9894349</b>	<b>9348986</b>	<b>1588</b>
Using computer.....	3013000	2985856	1853847	1131075	934
• By desktop computer.....	2692878	2668867	1682844	985088	934
• By laptop .....	485802	482669	269277	213392	0
• By tablet .....	47547	47547	34421	13126	0
• By small pocket computers.....	8300	8300	6923	1377	0
Not using computer .....	18138400	16259067	8040502	8217911	654
Unstated.....	217906	0	0	0	0



### 5. Nation's population by sex and status of availability of mobile telephone by urban and rural areas, 2013

Description	Total population	Population aged 6 and over			
		Total	Male	Female	Unstated
<b>Total.....</b>	<b>77122228</b>	<b>70562413</b>	<b>36154111</b>	<b>34381154</b>	<b>27148</b>
With a mobile phone .....	47430649	47430649	28066515	19358705	5428
Without a mobile phone .....	28955415	23114701	8087168	15022074	5459
Unstated.....	736164	17063	427	375	16260
<b>Urban.....</b>	<b>55752922</b>	<b>51317490</b>	<b>26259762</b>	<b>25032169</b>	<b>25560</b>
With a mobile phone .....	36999545	36999545	21235152	15760190	4203
Without a mobile phone .....	18238556	14300905	5024183	9271603	5119
Unstated.....	514821	17040	427	375	16238
<b>Rural.....</b>	<b>21369306</b>	<b>19244923</b>	<b>9894349</b>	<b>9348986</b>	<b>1588</b>
With a mobile phone .....	10431104	10431104	6831363	3598516	1226
Without a mobile phone .....	10716859	8813796	3062986	5750470	340
Unstated.....	221342	23	0	0	23

### 6. Nation's population by sex and status of the internet use by urban and rural areas, 2013

Description	Total population	Population aged 6 and over			
		Total	Male	Female	Unstated
<b>Total.....</b>	<b>77122228</b>	<b>70562413</b>	<b>36154111</b>	<b>34381154</b>	<b>27148</b>
Using the internet .....	21165306	21134399	12231997	8880440	21962
Not using the internet .....	55956922	49428014	23922114	25500714	5186
<b>Urban.....</b>	<b>55752922</b>	<b>51317490</b>	<b>26259762</b>	<b>25032169</b>	<b>25560</b>
Using the internet .....	18788943	18761404	10680598	8059778	21028
Not using the internet .....	36963979	32556086	15579164	16972391	4531
<b>Rural.....</b>	<b>21369306</b>	<b>19244923</b>	<b>9894349</b>	<b>9348986</b>	<b>1588</b>
Using the internet .....	2376363	2372995	1551399	820662	934
Not using the internet .....	18992943	16871928	8342950	8528324	654

**7. Nation's population aged 6 and over by age groups and status of using computer by urban and rural areas, 2013**

Description	Total	6-14	15-24	25-49	50-74	75 and over	Unstated
<b>Total.....</b>	<b>70562413</b>	<b>9902604</b>	<b>14950928</b>	<b>30509649</b>	<b>13359524</b>	<b>1715891</b>	<b>123817</b>
Using computer .....	24221177	3254320	8324360	11016373	1467617	35522	122985
• By desktop computer.....	20371078	2843277	7150936	9111255	1158340	19845	87425
• By laptop .....	6415394	571825	2002646	3265719	516555	16530	42120
• By tablet .....	1378438	196924	375563	683431	109588	0	12933
• By small pocket computers .	295469	15302	106714	149859	22702	0	893
Not using computer .....	46341236	6648284	6626568	19493275	11891907	1680369	832
<b>Urban.....</b>	<b>51317490</b>	<b>6687632</b>	<b>10628079</b>	<b>22725049</b>	<b>9996164</b>	<b>1169280</b>	<b>111286</b>
Using computer .....	21235321	2788454	6984054	9919568	1403083	29708	110453
• By desktop computer.....	17702212	2417973	5926302	8137341	1117876	19845	82875
• By laptop .....	5932726	514336	1801311	3083811	490316	10716	32236
• By tablet .....	1330891	188990	355618	664256	109561	0	12466
• By small pocket computers .	287169	15302	101157	147115	22702	0	893
Not using computer .....	30082169	3899178	3644025	12805481	8593081	1139572	832
<b>Rural.....</b>	<b>19244923</b>	<b>3214972</b>	<b>4322849</b>	<b>7784599</b>	<b>3363360</b>	<b>546611</b>	<b>12532</b>
Using computer .....	2985856	465866	1340306	1096805	64534	5813	12532
• By desktop computer.....	2668867	425304	1224634	973914	40465	0	4550
• By laptop .....	482669	57490	201336	181907	26239	5813	9884
• By tablet .....	47547	7933	19945	19174	27	0	467
• By small pocket computers .	8300	0	5556	2744	0	0	0
Not using computer .....	16259067	2749106	2982543	6687794	3298825	540798	0

### 8. Nation's population aged 6 and over by age groups and status of availability of mobile phone by urban and rural areas, 2013

Description	Total	6-14	15-24	25-49	50-74	75 and over	Unstated
<b>Total .....</b>	<b>70562413</b>	<b>9902604</b>	<b>14950928</b>	<b>30509649</b>	<b>13359524</b>	<b>1715891</b>	<b>123817</b>
With a mobile phone .....	47430649	1539772	11538496	25472493	8435610	430656	13622
Without a mobile phone .....	23114701	8362832	3412432	5037155	4923914	1285235	93133
Unstated .....	17063	0	0	0	0	0	17063
<b>Urban .....</b>	<b>51317490</b>	<b>6687632</b>	<b>10628079</b>	<b>22725049</b>	<b>9996164</b>	<b>1169280</b>	<b>111286</b>
With a mobile phone .....	36999545	1243046	8639224	19831194	6920762	352856	12462
Without a mobile phone .....	14300905	5444587	1988854	2893855	3075402	816424	81783
Unstated .....	17040	0	0	0	0	0	17040
<b>Rural .....</b>	<b>19244923</b>	<b>3214972</b>	<b>4322849</b>	<b>7784599</b>	<b>3363360</b>	<b>546611</b>	<b>12532</b>
With a mobile phone .....	10431104	296726	2899272	5641299	1514848	77800	1160
Without a mobile phone .....	8813796	2918246	1423577	2143300	1848512	468811	11349
Unstated .....	23	0	0	0	0	0	23

### 9. Nation's population aged 6 and over by age groups and status of the internet use by urban and rural areas, 2013

Description	Total	6-14	15-24	25-49	50-74	75 and over	Unstated
<b>Total .....</b>	<b>70562413</b>	<b>9902604</b>	<b>14950928</b>	<b>30509649</b>	<b>13359524</b>	<b>1715891</b>	<b>123817</b>
Using the internet .....	21134399	1723061	7643571	10261886	1351646	30418	123817
Not using the internet .....	49428014	8179543	7307357	20247762	12007878	1685473	0
<b>Urban .....</b>	<b>51317490</b>	<b>6687632</b>	<b>10628079</b>	<b>22725049</b>	<b>9996164</b>	<b>1169280</b>	<b>111286</b>
Using the internet .....	18761404	1555148	6475682	9304422	1290263	24604	111286
Not using the internet .....	32556086	5132485	4152397	13420628	8705901	1144676	0
<b>Rural .....</b>	<b>19244923</b>	<b>3214972</b>	<b>4322849</b>	<b>7784599</b>	<b>3363360</b>	<b>546611</b>	<b>12532</b>
Using the internet .....	2372995	167913	1167889	957465	61383	5813	12532
Not using the internet .....	16871928	3047059	3154960	6827135	3301976	540798	0

**10. Population aged 6 and over by status of literacy, educational course or attainment and status of ICT use by urban and rural areas, 2013**

Description	Total	Literate				Illiterate	Unstated
		Primary and lower secondary education	Upper secondary education	Higher education	Literacy, non formal and unstated		
<b>Total.....</b>	<b>70562413</b>	<b>28903098</b>	<b>18337612</b>	<b>12149078</b>	<b>1283755</b>	<b>9839722</b>	<b>49147</b>
With a mobile phone .....	47430649	16545863	15133649	11710616	724897	3307039	8585
Using computer .....	24221177	4755130	8237914	11014269	29587	135130	49147
Using the internet .....	21134399	2660704	7307713	11013737	18226	84871	49147
<b>Urban.....</b>	<b>51317490</b>	<b>19044819</b>	<b>14889712</b>	<b>10963659</b>	<b>811838</b>	<b>5564194</b>	<b>43267</b>
With a mobile phone .....	36999545	11301651	12550686	10586597	485955	2066982	7673
Using computer .....	21235321	3912834	7192879	9966647	25507	94186	43267
Using the internet .....	18761404	2235853	6455450	9960585	14226	52023	43267
<b>Rural.....</b>	<b>19244923</b>	<b>9858279</b>	<b>3447900</b>	<b>1185420</b>	<b>471917</b>	<b>4275528</b>	<b>5880</b>
With a mobile phone .....	10431104	5244212	2582964	1124019	238941	1240057	911
Using computer .....	2985856	842296	1045035	1047622	4080	40944	5880
Using the internet .....	2372995	424851	852263	1053152	4000	32849	5880

**11. Population aged 10 and over by activity status and status of ICT use by urban and rural areas, 2013**

Description	Total	Employed	Unemployed	Student	Homemaker	others	Unstated
<b>Total .....</b>	<b>66658222</b>	<b>20911389</b>	<b>4755937</b>	<b>14392028</b>	<b>19941965</b>	<b>6332765</b>	<b>324138</b>
With a mobile phone ...	47295597	19349352	3719165	8246121	11835439	4027339	118181
Using computer .....	23448056	8132780	1640003	9283017	3366881	932844	92531
Using the internet .....	20839854	7841313	1598357	7848470	2647116	827521	77077
<b>Urban .....</b>	<b>48731923</b>	<b>15032330</b>	<b>3352218</b>	<b>10956252</b>	<b>14154978</b>	<b>4998499</b>	<b>237646</b>
With a mobile phone ...	36895190	14394264	2746575	6841700	9325568	3494442	92641
Using computer .....	20561189	7244404	1399648	7964919	3011042	858774	82402
Using the internet .....	18489940	7022371	1368888	6840438	2412852	775533	69858
<b>Rural.....</b>	<b>17926299</b>	<b>5879059</b>	<b>1403719</b>	<b>3435776</b>	<b>5786987</b>	<b>1334267</b>	<b>86492</b>
With a mobile phone ...	10400408	4955088	972590	1404421	2509871	532897	25540
Using computer .....	2886866	888376	240355	1318098	355839	74069	10129
Using the internet .....	2349914	818942	229469	1008032	234264	51988	7219

**12. Internet users aged 6 and over by sex and place of the internet access disaggregated by urban and rural areas, 2013**

Description	Total	Male	Female	Unstated
<b>Total.....</b>	<b>21134399</b>	<b>12231997</b>	<b>8880440</b>	<b>21962</b>
• Home.....	16966642	9564893	7383631	18118
• Work .....	3315370	2611409	700040	3921
• Place of education.....	2071934	1077109	990794	4031
• Another person's home .....	1355195	755317	599777	101
• Community Internet access facility .....	267717	142375	125207	135
• Commercial Internet access facility.....	3527216	2059644	1466607	964
• Via mobile devices in every place.....	2905637	1817518	1086803	1316
<b>Urban.....</b>	<b>18761404</b>	<b>10680598</b>	<b>8059778</b>	<b>21028</b>
• Home.....	15230949	8451740	6762026	17184
• Work .....	3038534	2374723	659891	3921
• Place of education.....	1761202	896357	860813	4031
• Another person's home .....	1130251	606527	523622	101
• Community Internet access facility .....	236162	118972	117056	135
• Commercial Internet access facility.....	3020298	1737871	1281463	964
• Via mobile devices in every place.....	2381846	1442129	939313	404
<b>Rural.....</b>	<b>2372995</b>	<b>1551399</b>	<b>820662</b>	<b>934</b>
• Home.....	1735692	1113153	621605	934
• Work .....	276836	236686	40149	0
• Place of education.....	310732	180751	129981	0
• Another person's home .....	224944	148789	76155	0
• Community Internet access facility .....	31555	23403	8152	0
• Commercial Internet access facility.....	506917	321774	185144	0
• Via mobile devices in every place.....	523791	375389	147491	911

### 13. Internet users aged 6 and over by age groups and the place of the Internet access by urban and rural areas, 2013

Description	Total	6-14	15-24	25-49	50-74	75 and over	Unstated
<b>Total .....</b>	<b>21134399</b>	<b>1723061</b>	<b>7643571</b>	<b>10261886</b>	<b>1351646</b>	<b>30418</b>	<b>123817</b>
• Home .....	16966642	1475161	5867720	8367010	1118114	22940	115696
• Work .....	3315370	1989	367121	2645023	296178	917	4141
• Place of education .....	2071934	120563	1549535	385418	5011	0	11408
• Another person's home...	1355195	94398	516381	686605	51722	2706	3383
• Community Internet access facility .....	267717	23329	151996	89847	2411	0	135
• Commercial Internet access facility .....	3527216	231605	2022186	1120243	128194	6561	18427
• Via mobile devices in every place .....	2905637	130211	1390223	1310768	60813	0	13622
<b>Urban .....</b>	<b>18761404</b>	<b>1555148</b>	<b>6475682</b>	<b>9304422</b>	<b>1290263</b>	<b>24604</b>	<b>111286</b>
• Home .....	15230949	1343946	5040930	7660333	1065450	17127	103164
• Work .....	3038534	1490	311482	2429043	291461	917	4141
• Place of education .....	1761202	109956	1293528	341766	5011	0	10940
• Another person's home...	1130251	81598	399760	594935	47868	2706	3383
• Community Internet access facility .....	236162	22428	129120	82069	2411	0	135
• Commercial Internet access facility .....	3020298	202123	1700434	967802	125668	6561	17711
• Via mobile devices in every place .....	2381846	113741	1102033	1095862	57748	0	12462
<b>Rural .....</b>	<b>2372995</b>	<b>167913</b>	<b>1167889</b>	<b>957465</b>	<b>61383</b>	<b>5813</b>	<b>12532</b>
• Home .....	1735692	131215	826790	706677	52665	5813	12532
• Work .....	276836	499	55639	215980	4717	0	0
• Place of education .....	310732	10606	256007	43652	0	0	467
• Another person's home...	224944	12800	116621	91670	3853	0	0
• Community Internet access facility .....	31555	900	22876	7778	0	0	0
• Commercial Internet access facility .....	506917	29482	321751	152441	2527	0	716
• Via mobile devices in every place .....	523791	16470	288189	214906	3065	0	1160

**14. Internet users aged 6 and over by status of literacy, educational course or attainment and the place of the Internet access by urban and rural areas, 2013**

Description	Total	Literate				Illiterate	Unstated
		Primary and lower secondary education	Upper secondary education	Higher education	Literacy, non formal and unstated		
<b>Total .....</b>	<b>21134399</b>	<b>2660704</b>	<b>7307713</b>	<b>11013737</b>	<b>18226</b>	<b>84871</b>	<b>49147</b>
• Home .....	16966642	2233521	5445666	9144042	15660	82877	44876
• Work .....	3315370	104045	1117267	2086281	2919	937	3921
• Place of education.....	2071934	118823	428611	1518180	2209	79	4031
• Another person's home .....	1355195	220501	514018	620052	0	522	101
• Community Internet access facility.....	267717	24972	61734	180876	0	0	135
• Commercial Internet access facility.....	3527216	304071	1098103	2111131	1241	4009	8660
• Via mobile devices in every place .....	2905637	339614	1077925	1474166	2209	3138	8585
<b>Urban.....</b>	<b>18761404</b>	<b>2235853</b>	<b>6455450</b>	<b>9960585</b>	<b>14226</b>	<b>52023</b>	<b>43267</b>
• Home .....	15230949	1908036	4877503	8342254	12453	51708	38996
• Work .....	3038534	75523	970210	1985025	2919	937	3921
• Place of education.....	1761202	104440	345098	1305424	2209	0	4031
• Another person's home .....	1130251	166867	423349	539895	0	39	101
• Community Internet access facility.....	236162	22322	53829	159877	0	0	135
• Commercial Internet access facility.....	3020298	250456	958179	1800588	448	1967	8660
• Via mobile devices in every place .....	2381846	241795	837204	1290877	2209	2088	7673
<b>Rural.....</b>	<b>2372995</b>	<b>424851</b>	<b>852263</b>	<b>1053152</b>	<b>4000</b>	<b>32849</b>	<b>5880</b>
• Home .....	1735692	325485	568163	801788	3207	31170	5880
• Work .....	276836	28523	147058	101256	0	0	0
• Place of education.....	310732	14383	83514	212756	0	79	0
• Another person's home .....	224944	53634	90669	80157	0	484	0
• Community Internet access facility.....	31555	2650	7905	20999	0	0	0
• Commercial Internet access .....	506917	53616	139924	310543	793	2042	0
• Via mobile devices in every place .....	523791	97819	240722	183289	0	1050	911

**15. Internet users aged 10 and over by activity status and the place of the Internet access by urban and rural areas, 2013**

Description	Total	Employed	Unemployed	Student	Homemaker	others	Unstated
<b>Total .....</b>	<b>20839854</b>	<b>7841313</b>	<b>1598357</b>	<b>7848470</b>	<b>2647116</b>	<b>827521</b>	<b>77077</b>
• Home.....	16681909	6226168	1168224	6217085	2383190	617753	69489
• Work .....	3313381	3187856	287	102995	287	17802	4152
• Place of education ...	2061114	1380	36782	1983287	22392	10451	6822
• Another person's home.....	1346807	459029	143491	470108	218029	55535	615
• Community Internet access facility.....	267717	47904	14975	185726	16564	2366	183
• Commercial Internet access facility.....	3524500	576783	528017	1988398	218776	200350	12176
• Via mobile devices in every place.....	2897619	1037544	264886	1187974	328006	66241	12969
<b>Urban.....</b>	<b>18489940</b>	<b>7022371</b>	<b>1368888</b>	<b>6840438</b>	<b>2412852</b>	<b>775533</b>	<b>69858</b>
• Home.....	14968806	5652036	1018443	5479874	2181118	574920	62416
• Work .....	3037044	2918597	287	96382	287	17338	4152
• Place of education ...	1750382	974	32023	1683335	20582	6646	6822
• Another person's home.....	1122049	382019	108512	395427	183665	51835	590
• Community Internet access facility.....	236162	42540	14975	159848	16564	2102	135
• Commercial Internet access facility.....	3017889	488587	438319	1697652	192962	188339	12030
• Via mobile devices in every place.....	2373828	865435	193948	985884	257704	58799	12057
<b>Rural.....</b>	<b>2349914</b>	<b>818942</b>	<b>229469</b>	<b>1008032</b>	<b>234264</b>	<b>51988</b>	<b>7219</b>
• Home.....	1713103	574132	149781	737212	202072	42833	7073
• Work .....	276336	269258	0	6613	0	465	0
• Place of education ...	310732	407	4759	299952	1810	3805	0
• Another person's home.....	224758	77010	34979	74681	34364	3700	24
• Community Internet access facility.....	31555	5364	0	25879	0	264	49
• Commercial Internet access facility.....	506611	88196	89698	290746	25814	12012	146
• Via mobile devices in every place.....	523791	172108	70938	202090	70302	7441	911



**16. Employed internet users aged 10 and over by status in employment and the place of the Internet access by urban and rural areas, 2013**

Description	Total	Employer	Self-employed	Wage and salary earners		Unpaid family workers	Unstated
				Public sector	Private sector		
<b>Total.....</b>	<b>7841313</b>	<b>485811</b>	<b>1704432</b>	<b>2841066</b>	<b>2538667</b>	<b>112877</b>	<b>158460</b>
• Home.....	6226168	414857	1353260	2268417	1972895	80308	136431
• Work .....	3187856	197696	521496	1341887	1052763	38600	35413
• Place of education.....	1380	0	29	802	549	0	0
• Another person's home ..	459029	18719	107050	124984	191714	7905	8658
• Community Internet access facility .....	47904	2970	12546	10922	17441	1013	3013
• Commercial Internet access facility .....	576783	22847	117614	176297	228760	12872	18392
• Via mobile devices in every place .....	1037544	63736	238693	285069	410559	18829	20657
<b>Urban .....</b>	<b>7022371</b>	<b>436309</b>	<b>1452818</b>	<b>2602972</b>	<b>2317345</b>	<b>72258</b>	<b>140669</b>
• Home.....	5652036	376519	1161345	2105119	1836709	50984	121360
• Work .....	2918597	183337	449320	1242324	981699	28057	33861
• Place of education.....	974	0	29	802	143	0	0
• Another person's home ..	382019	17638	80733	110036	164333	3224	6056
• Community Internet access facility .....	42540	2970	9748	10640	16169	0	3013
• Commercial Internet access facility .....	488587	14959	101716	156048	195404	3541	16919
• Via mobile devices in every place .....	865435	55201	165831	255998	367626	3245	17535
<b>Rural .....</b>	<b>818942</b>	<b>49502</b>	<b>251614</b>	<b>238094</b>	<b>221323</b>	<b>40619</b>	<b>17791</b>
• Home.....	574132	38338	191916	163298	136186	29324	15071
• Work .....	269258	14359	72176	99564	71064	10543	1553
• Place of education.....	407	0	0	0	407	0	0
• Another person's home ..	77010	1081	26317	14948	27381	4681	2602
• Community Internet access facility .....	5364	0	2798	282	1272	1013	0
• Commercial Internet access facility .....	88196	7887	15898	20249	33356	9332	1473
• Via mobile devices in every place .....	172108	8536	72862	29071	42933	15584	3122

### 17. Internet users aged 6 and over by sex and type of the internet activities disaggregated by urban and rural areas, 2013

Description	Total	Male	Female	Unstated
<b>Total users</b>	<b>21134399</b>	<b>12231997</b>	<b>8880440</b>	<b>21962</b>
• Getting information about goods and services	12326423	7443512	4873945	8966
• Seeking health information	5440785	2677901	2753611	9273
• Making connection to the service providers websites	3622093	2264665	1351102	6326
• Receiving information from government organizations	4406229	2746844	1649042	10343
• Interacting with government organizations	3129084	1979991	1143323	5770
• Sending or receiving e-mail:	7941123	4907876	3026423	6825
• Telephoning over the Internet/VoIP	1432387	839328	591193	1866
• Participating in social networks (creating blogs (creating user profile), sending /receiving messages or communicating with people via Facebook, Twitter,...)	4361232	2625631	1730885	4716
• Accessing chat sites, blogs, newsgroups or online discussions	2961281	1880980	1076415	3886
• Purchasing or ordering goods or services:	2077628	1285899	789381	2347
• Selling goods or services:	382263	269577	110831	1855
• Using services related to travel or travel related accommodation	1787076	1143879	642010	1187
• Internet banking	4829380	3196391	1628765	4224
• Doing a formal online course (in any subject)	584043	312974	271069	0
• Consulting wikis, online encyclopedias or other websites for formal learning purposes	3306155	1813756	1485696	6703
• Listening to web radio	323838	220930	102908	0
• Watching web television	740628	474277	266340	11
• Downloading games, images, movies or music	8708644	5194591	3497897	16157
• Downloading software or applications	6394289	3968822	2415264	10203
• Reading or downloading online newspapers or magazines, electronic books	6057099	3670639	2373405	13056
• Looking for a job or sending/submitted a job application	1775141	996632	777776	734
• Participating in professional networks (profile creation, contributing through messaging, membership in LinkedIn,...)	757776	459671	297126	979
• Online teleworking	170341	121974	48367	0
• Managing personal/own homepage	606147	415231	190635	280
• Uploading self/user-created content to a website to be shared, such as images, photos, movies, music, software, etc.	847322	522732	324310	280
• Maintaining or adding contents to a blog:	549768	362296	187461	11
• Posting opinions on civic or political issues via websites (Blogs, social networks, etc	481148	333281	147855	11
• Taking part in online consultations or voting to define civic or political issues (Urban planning, signing a petition etc	346215	219396	126809	11
• Using storage space on the Internet to save documents, pictures, music, video, software and other files on every website in order to share with others: includes saving and sharing personal information (if intended) on the Internet (such as Google Drive, Dropbox, Windows Skydrive, iCloud, Amazon Cloud Drive,....	872454	515370	356156	928
• Using software run over the Internet for editing text documents, spreadsheets or presentations ( such as Google Docs, Office 365)	705158	424056	281102	0

**18. Internet users aged 6 and over by sex and frequency of access to the Internet during the last three months, disaggregated by urban and rural areas, 2013**

Description	Total	Male	Female	Unstated
<b>Total.....</b>	<b>21134399</b>	<b>12231997</b>	<b>8880440</b>	<b>21962</b>
At least once a day .....	7361192	4539223	2809387	12582
At least once a week but not every day.....	5115841	2859781	2250906	5153
At least once a month but not every week .....	2267446	1148643	1117790	1013
Less than once a month.....	3381429	1978831	1401769	830
Unstated.....	3008491	1705519	1300588	2384
<b>Urban.....</b>	<b>18761404</b>	<b>10680598</b>	<b>8059778</b>	<b>21028</b>
At least once a day .....	6826725	4164575	2649569	12582
At least once a week but not every day.....	4490556	2446503	2038922	5131
At least once a month but not every week .....	1940967	964296	976570	101
Less than once a month.....	2965843	1693167	1271847	830
Unstated.....	2537312	1412058	1122870	2384
<b>Rural.....</b>	<b>2372995</b>	<b>1551399</b>	<b>820662</b>	<b>934</b>
At least once a day .....	534466	374648	159818	0
At least once a week but not every day.....	625285	413278	211984	23
At least once a month but not every week .....	326479	184347	141220	911
Less than once a month.....	415586	285664	129922	0
Unstated.....	471179	293461	177718	0

**19. Internet users aged 6 and over by age groups and frequency of access to the Internet during the last three months, disaggregated by urban and rural areas, 2013**

Description	Total	6-14	15-24	25-49	50-74	75 and over	Unstated
<b>Total .....</b>	<b>21134399</b>	<b>1723061</b>	<b>7643571</b>	<b>10261886</b>	<b>1351646</b>	<b>30418</b>	<b>123817</b>
At least once a day .....	7361192	403366	2637116	3864463	421537	0	34710
At least once a week but not every day .....	5115841	528761	2054411	2253042	253209	2651	23768
At least once a month but not every week .....	2267446	247715	1023513	883483	94350	1587	16798
Less than once a month .....	3381429	198369	1099717	1771168	295980	6591	9603
Unstated .....	3008491	344850	828813	1489731	286570	19589	38939
<b>Urban .....</b>	<b>18761404</b>	<b>1555148</b>	<b>6475682</b>	<b>9304422</b>	<b>1290263</b>	<b>24604</b>	<b>111286</b>
At least once a day .....	6826725	385040	2383373	3610702	413369	0	34242
At least once a week but not every day .....	4490556	482247	1717876	2016817	248685	2651	22280
At least once a month but not every week .....	1940967	213610	849498	769355	91279	1587	15638
Less than once a month .....	2965843	180131	881493	1606161	281864	6591	9603
Unstated .....	2537312	294120	643443	1301386	255066	13776	29522
<b>Rural .....</b>	<b>2372995</b>	<b>167913</b>	<b>1167889</b>	<b>957465</b>	<b>61383</b>	<b>5813</b>	<b>12532</b>
At least once a day .....	534466	18327	253743	253761	8168	0	467
At least once a week but not every day .....	625285	46514	336535	236224	4524	0	1488
At least once a month but not every week .....	326479	34104	174016	114127	3072	0	1160
Less than once a month .....	415586	18238	218225	165007	14116	0	0
Unstated .....	471179	50730	185370	188345	31504	5813	9417

**20. Internet users aged 6 and over by status of literacy, educational course or attainment and frequency of access to the Internet during the last three months, disaggregated by urban and rural areas, 2013**

Description	Total	Literate				Illiterate	Unstated
		Primary and lower secondary education	Upper secondary education	Higher education	Literacy, non formal and unstated		
<b>Total.....</b>	<b>21134399</b>	<b>2660704</b>	<b>7307713</b>	<b>11013737</b>	<b>18226</b>	<b>84871</b>	<b>49147</b>
At least once a day.....	7361192	598773	2173666	4563658	1320	8041	15734
At least once a week but not every day.....	5115841	731617	1671172	2697088	4534	5880	5550
At least once a month but not every week.....	2267446	364723	842794	1045936	0	5624	8369
Less than once a month.....	3381429	380816	2114109	875572	3546	3400	3985
Unstated.....	3008491	584775	505972	1831483	8826	61926	15510
<b>Urban.....</b>	<b>18761404</b>	<b>2235853</b>	<b>6455450</b>	<b>9960585</b>	<b>14226</b>	<b>52023</b>	<b>43267</b>
At least once a day.....	6826725	526221	1980527	4296487	1320	6436	15734
At least once a week but not every day.....	4490556	622712	1454408	2401332	4213	2364	5527
At least once a month but not every week.....	1940967	290914	733638	905637	0	3322	7457
Less than once a month.....	2965843	323053	1845783	787819	2753	2450	3985
Unstated.....	2537312	472953	441094	1569311	5940	37451	10565
<b>Rural.....</b>	<b>2372995</b>	<b>424851</b>	<b>852263</b>	<b>1053152</b>	<b>4000</b>	<b>32849</b>	<b>5880</b>
At least once a day.....	534466	72552	193139	267171	0	1605	0
At least once a week but not every day.....	625285	108905	216764	295756	321	3517	23
At least once a month but not every week.....	326479	73810	109157	140300	0	2302	911
Less than once a month.....	415586	57762	268326	87754	793	951	0
Unstated.....	471179	111822	64878	262172	2886	24475	4946

**21. Internet users aged 10 and over by activity status and frequency of access to the Internet during the last three months, disaggregated by urban and rural areas, 2013**

Description	Total	Employed	Unemployed	Student	Homemaker	others	Unstated
<b>Total.....</b>	<b>20839854</b>	<b>7841313</b>	<b>1598357</b>	<b>7848470</b>	<b>2647116</b>	<b>827521</b>	<b>77077</b>
At least once a day .....	7305631	3101280	533479	2728489	707842	209125	25416
At least once a week but not every day.....	5054656	1554764	359627	2257426	681465	188464	12909
At least once a month but not every week .....	2242701	586136	175253	1063953	319939	83654	13765
Less than once a month .....	3361583	1263790	421405	824648	608737	236282	6722
Unstated.....	2875283	1335343	108593	973953	329133	109996	18265
<b>Urban.....</b>	<b>18489940</b>	<b>7022371</b>	<b>1368888</b>	<b>6840438</b>	<b>2412852</b>	<b>775533</b>	<b>69858</b>
At least once a day .....	6772430	2882776	478236	2520506	665909	199586	25416
At least once a week but not every day.....	4430851	1388264	292877	1953829	611063	172955	11863
At least once a month but not every week .....	1917068	501655	151102	887645	285677	78159	12830
Less than once a month .....	2947730	1084824	355004	701903	571820	227457	6722
Unstated.....	2421861	1164851	91670	776555	278382	97376	13028
<b>Rural.....</b>	<b>2349914</b>	<b>818942</b>	<b>229469</b>	<b>1008032</b>	<b>234264</b>	<b>51988</b>	<b>7219</b>
At least once a day .....	533202	218503	55243	207983	41933	9539	0
At least once a week but not every day.....	623804	166500	66751	303598	70401	15509	1046
At least once a month but not every week .....	325633	84481	24151	176308	34263	5495	936
Less than once a month .....	413853	178966	66401	122745	36916	8825	0
Unstated.....	453421	170492	16923	197398	50751	12620	5237

**22. Employed internet users aged 10 and over by status in employment and frequency of access to the Internet during the last three months, disaggregated by urban and rural areas, 2013**

Description	Total	Employer	Self-employed	Wage and salary earners		Unpaid family workers	Unstated
				Public sector	Private sector		
<b>Total .....</b>	<b>7841313</b>	<b>485811</b>	<b>1704432</b>	<b>2841066</b>	<b>2538667</b>	<b>112877</b>	<b>158460</b>
At least once a day .....	3101280	237522	581189	1160468	1032052	37128	52921
At least once a week but not every day .....	1554764	66551	304886	614998	513353	26476	28500
At least once a month but not every week.....	586136	41109	145893	189504	192070	7743	9816
Less than once a month.....	1263790	64620	361033	336043	446056	29440	26598
Unstated .....	1335343	76008	311430	540054	355135	12091	40625
<b>Urban .....</b>	<b>7022371</b>	<b>436309</b>	<b>1452818</b>	<b>2602972</b>	<b>2317345</b>	<b>72258</b>	<b>140669</b>
At least once a day .....	2882776	222262	520579	1089385	974947	28063	47540
At least once a week but not every day .....	1388264	59987	254341	569306	465203	14767	24660
At least once a month but not every week.....	501655	38330	114585	171018	166791	3717	7214
Less than once a month.....	1084824	57590	303906	287473	390882	19473	25500
Unstated .....	1164851	58141	259405	485790	319521	6238	35756
<b>Rural .....</b>	<b>818942</b>	<b>49502</b>	<b>251614</b>	<b>238094</b>	<b>221323</b>	<b>40619</b>	<b>17791</b>
At least once a day.....	218503	15261	60609	71083	57105	9065	5381
At least once a week but not every day .....	166500	6564	50545	45692	48150	11709	3840
At least once a month but not every week.....	84481	2780	31308	18486	25279	4026	2602
Less than once a month.....	178966	7030	57127	48570	55174	9966	1098
Unstated .....	170492	17867	52025	54263	35614	5853	4870

**23. Population aged 6 and over using computer by computer skills disaggregated by sex, urban and rural areas, 2013**

Description	Total	Male	Female	Unstated
<b>Total .....</b>	<b>24221177</b>	<b>13692639</b>	<b>10506576</b>	<b>21962</b>
• Copying or moving a file or folder .....	15203877	8600170	6585668	18039
• Using copy and paste tools to duplicate or move information within a document .....	9273308	5326578	3936104	10625
• Sending e-mails with attached files .....	6548514	3797841	2740449	10224
• Using basic arithmetic formulas in a spreadsheet .....	2250106	1359227	882911	7968
• Connecting and installing new devices .....	3703883	2359455	1340308	4120
• Finding, downloading, installing and configuring software .....	7470838	4475357	2981037	14443
• Creating electronic presentations with presentation software .....	4368445	2497499	1859812	11134
• Transferring files between computer and other devices .....	5734659	3366417	2359865	8377
• Writing a computer programme using a specialized programming language.....	927639	553718	372120	1800
• None .....	3028502	1711361	1314909	2232
• Unstated.....	4801979	2694290	2106558	1131
<b>Urban .....</b>	<b>21235321</b>	<b>11838792</b>	<b>9375501</b>	<b>21028</b>
• Copying or moving a file or folder .....	13689652	7668989	6003558	17105
• Using copy and paste tools to duplicate or move information within a document .....	8465981	4824709	3631581	9691
• Sending e-mails with attached files .....	6040147	3451732	2579124	9290
• Using basic arithmetic formulas in a spreadsheet .....	2102435	1259499	835880	7056
• Connecting and installing new devices .....	3420343	2162337	1253908	4097
• Finding, downloading, installing and configuring software .....	6864981	4061652	2789820	13509
• Creating electronic presentations with presentation software .....	3955890	2234383	1711308	10200
• Transferring files between computer and other devices .....	5209627	3033699	2168462	7466
• Writing a computer programme using a specialized programming language.....	880263	520327	358136	1800
• None .....	2579507	1421577	1155698	2232
• Unstated.....	3916903	2137469	1778303	1131
<b>Rural .....</b>	<b>2985856</b>	<b>1853847</b>	<b>1131075</b>	<b>934</b>
• Copying or moving a file or folder .....	1514225	931181	582111	934
• Using copy and paste tools to duplicate or move information within a document .....	807327	501869	304524	934
• Sending e-mails with attached files .....	508367	346108	161325	934
• Using basic arithmetic formulas in a spreadsheet .....	147671	99728	47031	911
• Connecting and installing new devices .....	283540	197118	86400	23
• Finding, downloading, installing and configuring software .....	605857	413706	191217	934
• Creating electronic presentations with presentation software .....	412555	263116	148504	934
• Transferring files between computer and other devices .....	525032	332717	191403	911
• Writing a computer programme using a specialized programming language.....	47376	33391	13984	0
• None .....	448995	289784	159211	0
• Unstated.....	885076	556821	328255	0



**24. Households without internet access by reasons for not having access to the internet disaggregated by urban and rural areas, 2013**

Description	Total	Urban	Rural
<b><i>Total households without access to the Internet.....</i></b>	<b>14196703</b>	<b>9211607</b>	<b>4985096</b>
• Don't need the Internet (not useful, not interesting, lack of local content) .....	9042072	5873071	3169001
• Lack of confidence, knowledge or skills to use the Internet .....	4295474	2471089	1824384
• Cost of equipment too high .....	2543928	1757191	786737
• Internet service is not available in our area .....	1363959	394401	969558
• Internet service is available but it does not correspond with household needs.....	279750	210762	68988
• Have access to the Internet elsewhere.....	910786	763336	147450
• Cost of the service too high.....	2456144	1574465	881679
• Privacy or security concerns.....	141158	124461	16698
• Cultural reasons (e.g. exposure to harmful content) .....	282094	243741	38352
• Unstated .....	189110	147754	41356

**25. Household expenditure on ICT by urban and rural areas, 2013 (billion rials)**

Description	Total	Urban	Rural
<b><i>Total.....</i></b>	<b>148628</b>	<b>123762</b>	<b>24865</b>
Annual amount expended in ICT services .....	105930	86079	19851
Annual amount expended in ICT equipment .....	42697	37683	5014

