



Arab Republic of Egypt
Ministry of Communications
and Information Technology

Information and Communications Technology Indicators Bulletin

September 2016 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

Indicators in Brief

Data item	Unit	July - September 2015	April - June 2016	July - September 2016	Quarterly growth rate (%)	Annual growth rate (%)
ICT Sector: Infrastructure Indicators						
Mobile subscriptions	Million	93.24	96.22	96.26	0.03	3.23
Mobile penetration *	%	107.01	108.94	108.49	-0.45	1.49
Fixed line subscriptions	Million	6.22	5.93	5.90	-0.54	-5.13
Fixed line penetration *	%	7.25	7.16	7.16	0.00	-0.09
Mobile Internet Subscriptions	Million	25.04	27.37	26.18	-4.35	4.55
USB Modem Subscriptions	Million	4.00	3.41	3.34	-2.11	-16.53
ADSL subscribers	Million	3.64	4.20	4.41	5.04	21.1
International Internet Bandwidth	Gbps	649.141	1,191.630	1,032.774	-13.33	59.10
Number of post offices	Post office	3913	3927	3926	-0.03	0.33
ICT Sector's Role in Development						
Capacity Building Program Provided by ITIDA	Thousand Graduates	18.13	19,72	19.96	1.22	10.09

* Growth rates are calculated as the difference between penetration rates in different time intervals.

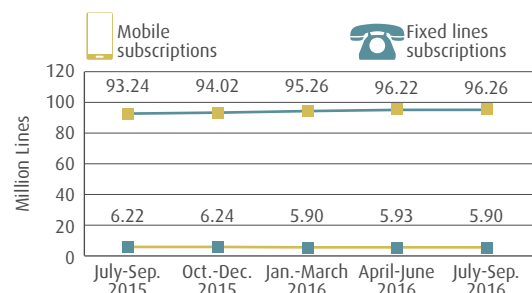
- The number of internet users reached 29.8 Million users with 37.8% penetration rate according to ICT access and use by households and individuals 2015
- The number of tele centers reached 77 tele centers.

ICT Sector's Infrastructure Indicators

- Mobile subscriptions (July - September 2016): 96.26 million
- Mobile penetration (July - September 2016): 108.49%
- Fixed line subscriptions (July - September 2016): 5.90 million
- Fixed line subscriptions in urban areas (July - September 2016): 5.03 million, rural areas 0.87 million
- Internet users through mobile (July - September 2016): 26.18 million
- USB Modem users (July - September 2016): 3.34 million users
- ADSL subscribers (July - September 2016): 4.41 million
- International Internet bandwidth (July - September 2016): 1,032.774 Gbps
- Number of post offices (July - September 2016): 3926 Post offices
- Number of Beneficiaries of Pensions' Payment Service through post offices (July - September 2016): 5.99 million beneficiary

Fixed Lines and Mobile Subscriptions

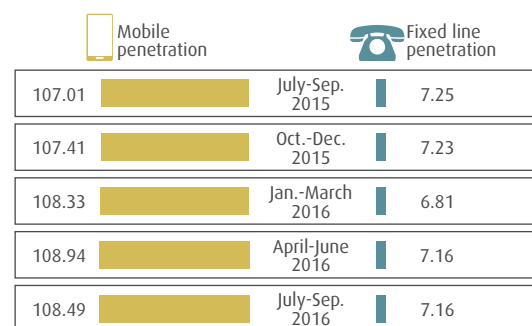
- The number of fixed line and mobile subscriptions was 102.16 million at the end of July - September 2016, compared to 99.46 million at the end of July - September 2015.
- The number of mobile subscriptions was 96.26 million at the end of July - September 2016, compared to 93.24 million at the end of July - September 2015. The mobile subscriptions recorded 94% of total telephone service.



Source: Ministry of Communications and Information Technology, Telecom Egypt, National Telecom Regulatory Authority

Fixed Line and Mobile Penetration

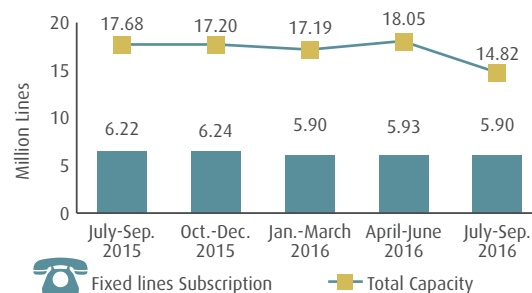
- Mobile penetration reached 108.49% at the end of July - September 2016, compared to 107.01% at the end of July - September 2015, representing an annual change rate of 1.49%. On the other hand, fixed line penetration reached about 7.16% by the end of July - September 2016.



Source: Ministry of Communications and Information Technology, Telecom Egypt, National Telecom Regulatory Authority

Fixed Lines Subscription and Local Exchange Capacity

- Total number of fixed line subscriptions has reached 5.90 million subscriptions at the end of July - September 2016 compared to 6.22 million subscriptions at the end of July - September 2015.
- The capacity of local exchanges reached to 14.82 million lines at the end of July - September 2016, compared to 17.68 million at the end of July - September 2015. This represents an annual change of -2.86 million lines and an annual change rate of -16.16%.

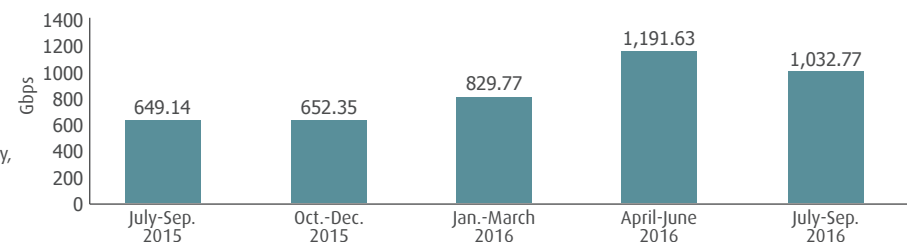


Source: Ministry of Communications and Information Technology, Telecom Egypt



International Internet Bandwidth

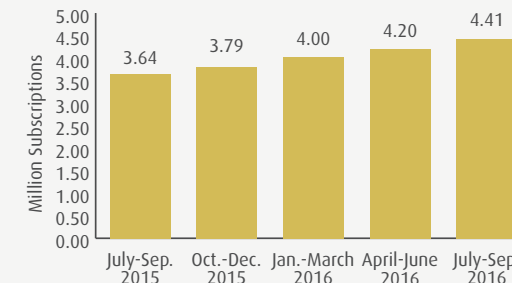
- International Internet bandwidth increased to 1,032.774 Gbps at the end of July - September 2016 compared to 649.141 Gbps at the end of July - September 2015 representing an annual growth rate of 59.10%.
- The international internet bandwidth per inhabitants reached 11640.4 Bit/sec. per person at the end of July - September 2016 compared to 7449.7 Bit/Sec. per person at the end July - September 2015 with an annual growth rate of 56.25%.



Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

ADSL Subscriptions

- The number of ADSL subscriptions reached 4.41 Million Subscriptions by the end of July - September 2016 compared to 3.64 Million Subscriptions at the end of July - September 2015 with an annual change 0.77 million and an annual change rate 21.1%.

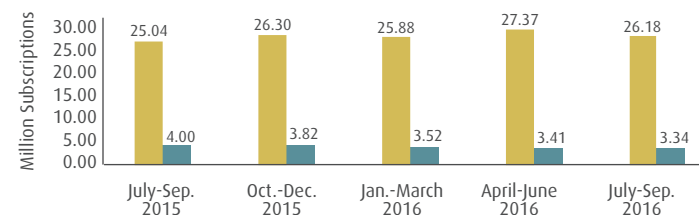


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



Mobile Internet and USB Modem Subscriptions

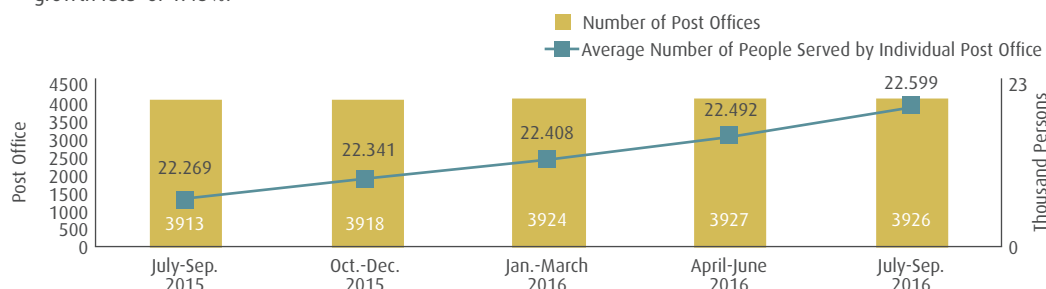
- The number of mobile internet subscriptions reached 26.18 Million Subscriptions by the end of July - September 2016 compared to 25.04 Million Subscriptions at the end of July - September 2015 with an annual change rate 4.55%.
- The number of USB Modem subscriptions reached 3.34 Million Subscriptions by the end of July - September 2016 compared to 4.00 Million Subscriptions at the end of July - September 2015.



Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

■ Mobile Internet Subscriptions
■ USB Modem Subscriptions

- The total number of post offices increased to 3926 at the end of July - September 2016, compared to 3913 at the end of July - September 2015, reflecting an annual growth rate of 0.33%.
- The average number of people served by individual post offices was 22.599 thousand persons at the end of July - September 2016, compared to 22.269 thousand persons at the end of July - September 2015, representing an annual growth rate of 1.48%.

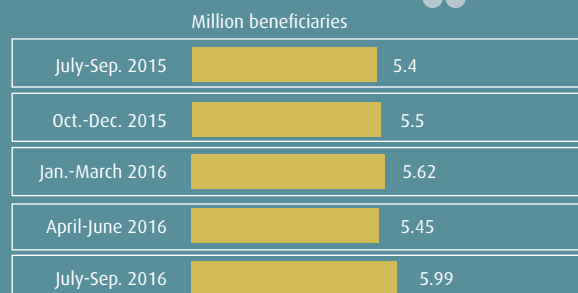


Source: Ministry of Communications and Information Technology, Egypt Post



Number of Pensions Distributed Through Postal Offices

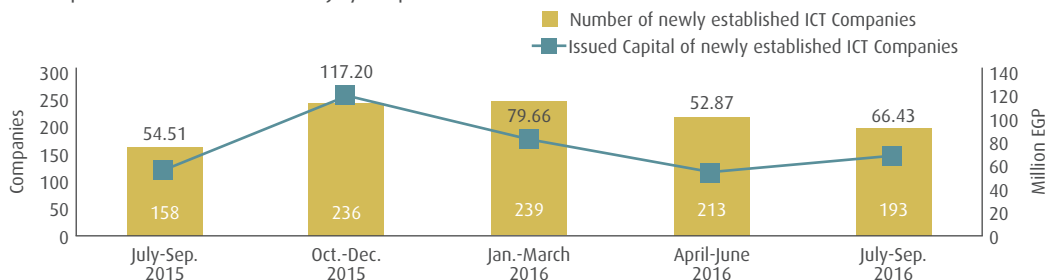
- Number of beneficiaries of pensions distributed through postal offices has increased to about 5.99 million beneficiaries in July - September 2016 compared to about 5.4 million beneficiaries in July - September 2015 with an annual growth rate of 10.93%.



Source: Ministry of Communications and Information Technology, Egypt Post

Number of Newly Established ICT Companies and Issued Capital

- Number of newly established ICT companies reached 193 companies in July - September 2016 compared to 158 companies in July - September 2015 with increase of 76 companies.
- Number of issued capital of newly established ICT companies reached 66.43 Million EGP in July - September 2016 compared to 54.51 Million EGP in July - September 2015.

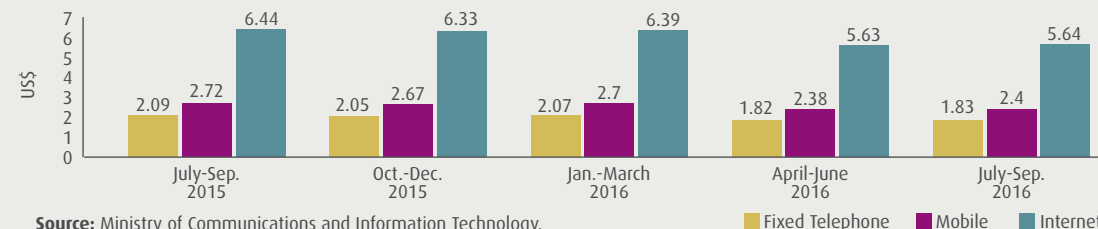


Source: Ministry of Investment, General Authority for Investment, and Free Zones

ICT Services Prices

- The cost of ICT services in Egypt is the monthly cost in July - September 2016 was 1.83 USD for fixed lines*, 2.4 USD for mobile services** and USD 5.64 for Internet service***.

Note: No actual increases in any of the services' prices have been monitored, only there has been a change in methodology of calculation according to the International Telecommunications Union (ITU) since October 2013



Source: Ministry of Communications and Information Technology, Central Department for Information and Decision Support

* The price for residential fixed line is calculated as the monthly subscription charge and the cost of local calls (15 peak and 15 off-peak calls of three minutes each).

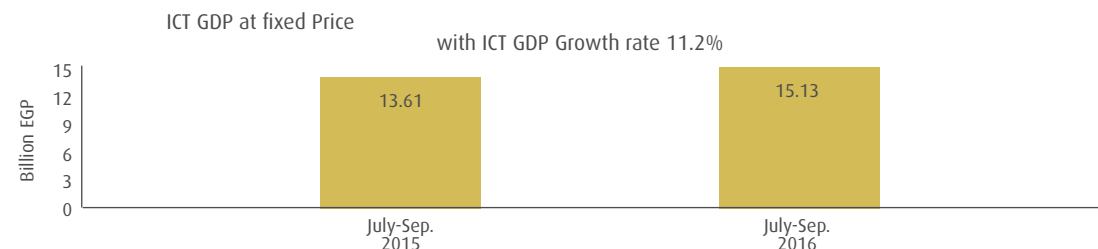
** The mobile-cellular sub-basket refers to the price of a standard basket of mobile monthly usage for 30 outgoing calls per month (on-net/off-net to a fixed line and for peak and off-peak times), plus 100 SMS messages. It is calculated in USD. The mobile-cellular sub-basket is based on prepaid price of the most used package offered by the three mobile operators operating in Egypt.

***The fixed-broadband sub-basket refers to the lowest price of a monthly subscription to an entry-level fixed-broadband plan of the operator with the largest market share. It is calculated in USD.



ICT GDP at Fixed Prices

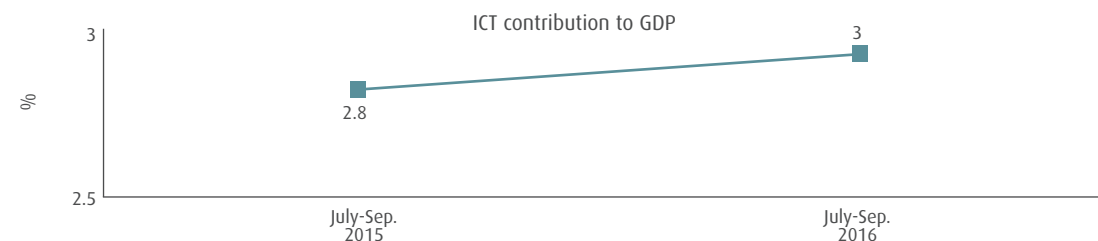
- According to provisional data, ICT GDP in fixed prices is expected to reach 15.13 billion EGP (*) in the first quarter of the year 2016/2017 realizing a growth rate of about 11.2% compared to 13.61 in the equivalent quarter in 2015/2016.



Source: Ministry of Communications and information Technology - Central Department for Information and Decision Support

ICT Contribution to Real GDP

- ICT sector is expected to contribute by 3% (*) in the real GDP of the country in the first quarter of the year 2016/2017. Thereby the sector is expected to exceed its contribution to the GDP compared to what was achieved in the first quarter of 2016/2017, which was around 2.8% of the GDP.



Source: Ministry of Communications and information Technology - Central Department for Information and Decision Support

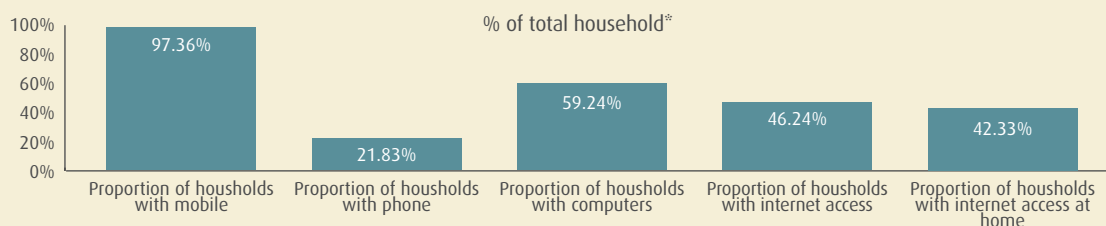
The ICT Sector's Role in Development

- Proportion of households accessing the internet: 46.2%
- Proportion of households accessing the internet from home in urban area: 51.83%
- Proportion of individuals using internet: 37.8%
- Proportion of individuals using computer in educational purposes: 22%
- Proportion of individuals using internet: from their homes: 34.3%
- Proportion of individuals using internet daily: 23.5%
- Proportion of individuals using mobile phones for calling and receiving calls: 84.8%
- Number of graduates to receive software training by ITIDA till September: 19.96 thousand trainees



ICT Usage by Households

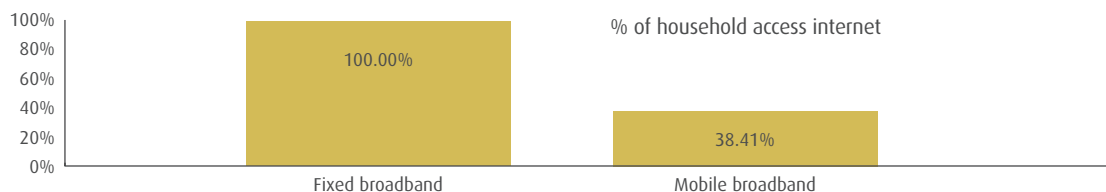
- The proportion of households with a cell phone is about 97.4%, while 21.8% of households have a fixed line. 59.2% of households use Computer, 46.2% of households with internet access, and 42.3% with Internet access at home



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000 households

Households Internet Access at Home by Type of Access Mode

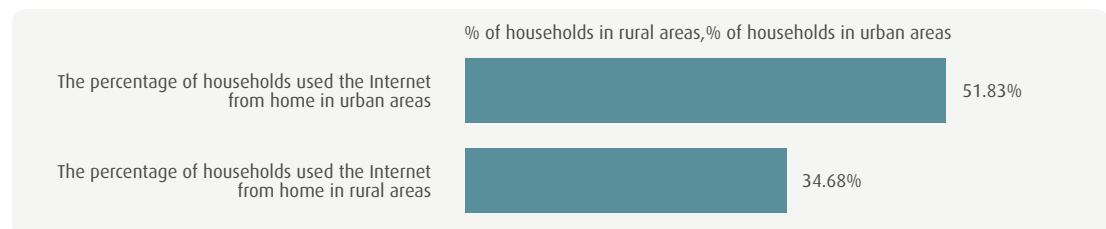
- The Proportion of households with Internet access at home using Fixed broadband is 100% while 38.14% of households using (mobile broadband/ Usb).



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000 households

The Use of Internet from Home (Rural - Urban)

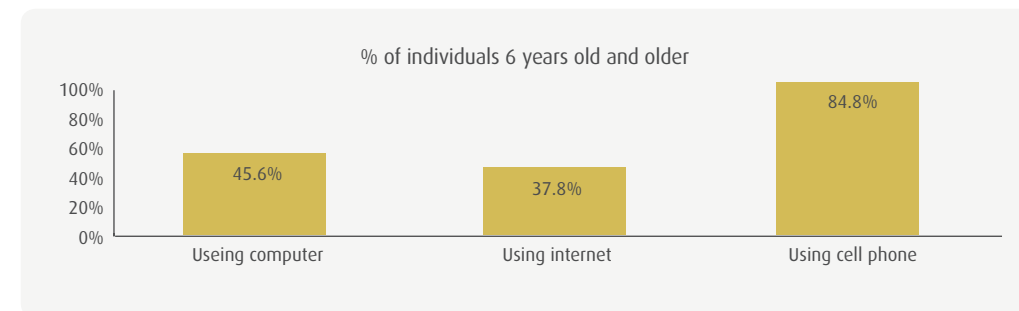
- The percentage of households used the Internet from home in urban 51.83%, while the proportion of household in rural areas 34.68%



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000 households

ICT Usage by Individuals

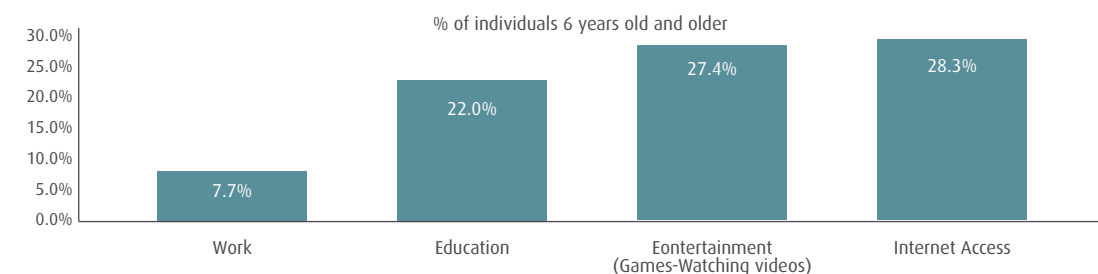
- The proportion of individuals who using computer is 45.6%, while the proportion of individuals who using the internet is 37.8%, and 84.8% of individuals are using cell phone.



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000 households

Activities Undertaken by Individuals Using Computer

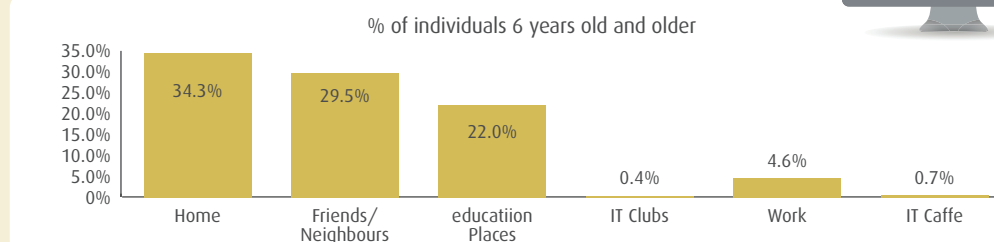
- The proportion of Individuals who use computer in education is 22%, while the proportion of Individuals use computer in entertainment is 27.4%, proportion of Individuals who use computer in work is 7.7%, and those who use computer in internet access is 28.3%.



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000 households

Internet Usage by Location

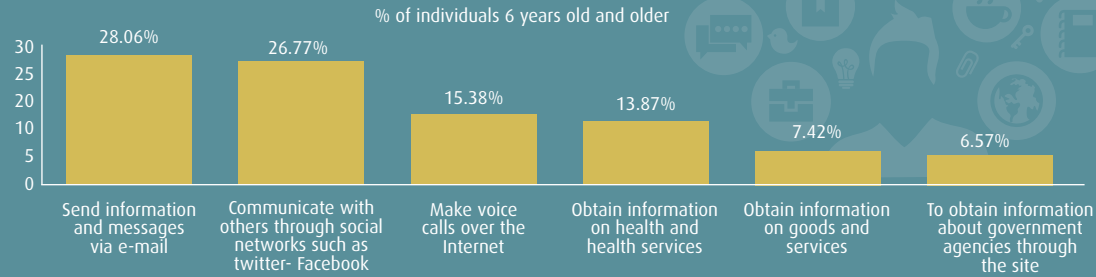
- the proportion of Individuals who access internet at home is 34.3%, while the proportion of Individuals who access internet from (friends/ neighbors) is 29.5%, and 22% of those who access internet at educational places.



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000 households

Activities Undertaken by individuals Using Internet

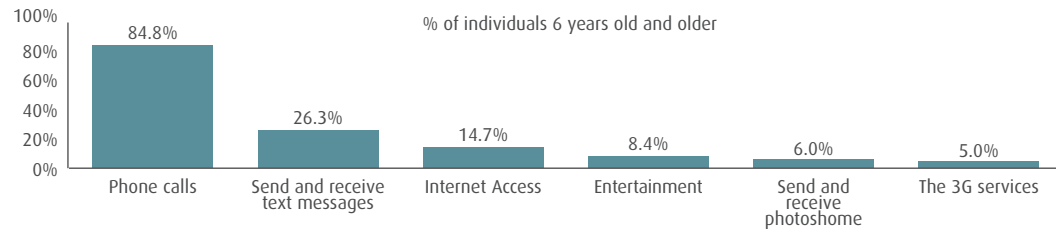
■ The proportion of household who use internet in Communicate with others through social networks such as twitter- Facebook is 28.06%, while proportion of household who use internet in send information and messages via e-mail is 26.77%, for (voice calls over the Internet) is 15.38, for obtain information on health and health services is 13.87, for Obtain information on goods and services 7.42%, and for obtain information about government agencies through the site 6.57%.



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000 households

Activities Undertaken by individuals Using Mobile

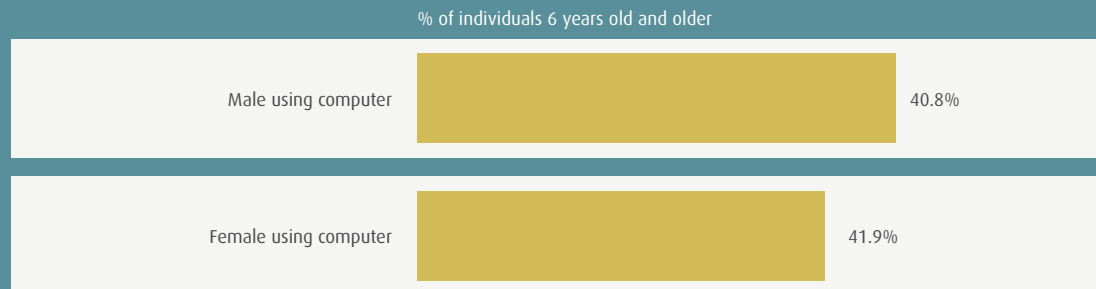
■ The proportion of individuals who used cell phone in phone calls is 84.8%, while the proportion of those who use it in send and receive text messages is 26.3%, for Internet access is 14.7%, and 6.6% for entertainment.



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000

Computer Usage by Gender

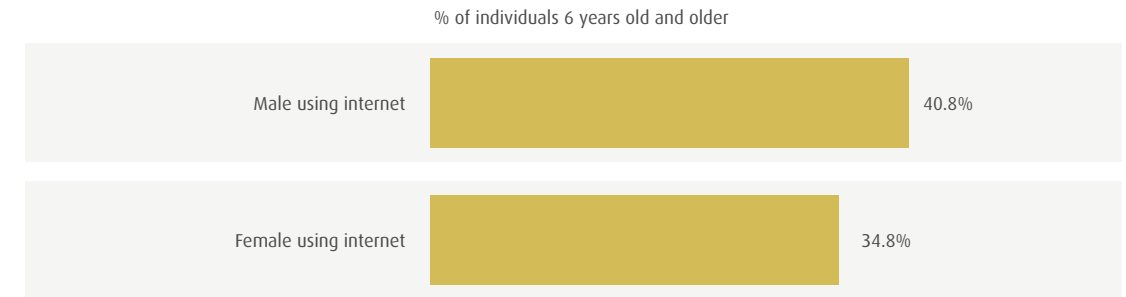
■ The proportion of male who using computer is 49.2%, while the proportion of female who using computer is 41.9%



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000

Internet usage by gender

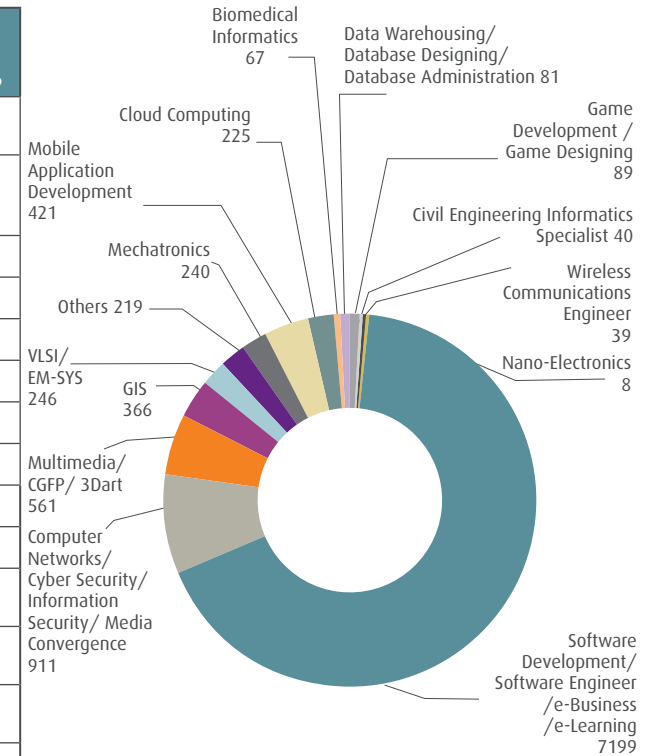
■ The proportion of male who using internet is 40.8%, while the proportion of female who using internet is 34.8%



Source: "survey of ICT usage in Household and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015, included 15000

Capacity Building Program Provided by Information Technology Institute (ITI)

Training Track	July-Sep. 2015	July-Sep. 2016
Software Development/ Software Engineer/ E-Business/ E-Learning	6672	7199
Computer Networks/ Cyber Security/ Information Security/ Media Convergence	829	911
Multimedia/ CGFP/ 3D art	520	561
GIS	354	366
VLSI/ EM-SYS	246	246
Others	219	219
Mechatronics	224	240
Mobile Application Development	348	421
Cloud Computing	198	225
Biomedical Informatics	67	67
Data Warehousing/ Database Designing/ Database Administration	66	81
Game Development/ Game Designing	68	89
Civil Engineering Informatics Specialist	29	40
Wireless Communications Engineer	26	39
Nano-Electronics	8	8
Total	9874	10712



*Per the latest figures.

Source: Ministry of Communications and Information Technology - Information Technology Institute

ICT Sector's Infrastructure Indicators

- Mobile subscribers increased to 96.26 million in July - September 2016, compared to 93.24 million in July - September 2015, representing an annual change rate of 3.23%.
- Mobile penetration reached 108.49% in July - September 2016, compared to 107.01% in July - September 2015, representing an annual change rate of 1.49%.
- Mobile Internet subscriptions increased to 26.18 million in July - September 2016, compared to 25.04 million in July - September 2015, representing an annual change rate of 4.55%.
- USB Modem subscriptions increased to 3.34 million in July - September 2016 compared to 4.00 million in July - September 2015 representing an annual change rate of -16.53%.
- ADSL subscribers increased to 4.41 million in July - September 2016, compared to 3.64 million in July - September 2015, representing an annual change rate of 21.1%.

ICT Sector's Role in Development

- The percentage of households using computers reached 59.2% while the percentage of households accessing the internet from home 42.3%.
- The percentage of households using computer reached 45.6% while percentage of individuals using mobile reached 84.8%
- The percentage of individuals using mobile for accessing the internet reached 14.7%.
- The number of graduates to receive software training till July - September 2016: 19.96 Thousands graduates.