



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# Information and Communications Technology Indicators Bulletin

September 2015 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

## Indicators in Brief

Data	Unit	July - September 2014	April - June 2015	July - September 2015	Quarterly Growth Rate (%)	Annual Growth Rate (%)
<b>ICT Sector's Infrastructure Indicators</b>						
Mobile Subscriptions	Million	94.76	95.06	93.24	-1.92	-1.60
Mobile Penetration *	%	110.76	109.60	107.01	-2.59	-3.76
Fixed Line Subscriptions	Million	6.84	6.64	6.22	-6.37	-9.02
Fixed Line Penetration **	%	8.12	7.78	7.25	-0.53	-0.87
Mobile Internet Subscriptions	Million	20.34	24.08	25.04	3.99	23.13
USB Modem Subscriptions	Million	3.92	4.22	4.00	4.26	2.09
ADSL Subscribers	Million	2.98	4.11	3.64	3.76	22.2
International Internet Bandwidth	Gbps	416,497	631,632	649,141	2.77	55.86
Number of Post Offices	Post Office	3883	3911	3913	0.05	0.77
<b>ICT Sector's Role In Development</b>						
Number of Telecenters **	IT Houses	--	15	15	--	--
Capacity Building Program Provided by ITIDA	Thousand Graduates	16.96	18.06	18.72	3.65	10.38

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

\*\* MCIT has activated Telecenters for community development new initiative

The number of internet users reached 27.25 Million users with 31.7% penetration rate according to ICT access and use by households and individuals 2014.



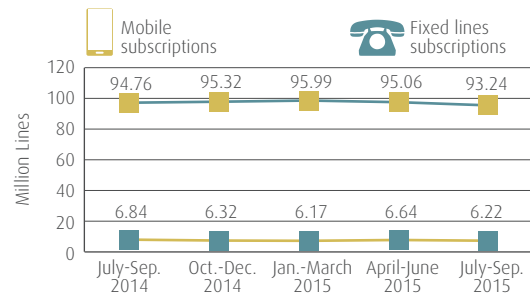
Scan Me

# ICT Sector's Infrastructure Indicators

- Mobile subscriptions (July - September 2015) : 93.24 million
- Mobile penetration (July - September 2015): 107.01%
- Fixed line subscriptions (July - September 2015): 6.22 million
- Fixed line subscriptions in urban areas (July - September 2015): 4.98 million, rural areas 1.24 million
- Internet users through mobile (July - September 2015): 25.04 million
- USB Modem users (July - September 2015): 4.00 million
- ADSL subscribers (July - September 2015): 3.64 million
- International Internet bandwidth (July - September 2015): 649,141 Gbps
- Number of post offices (July - September 2015): 3913 Post offices
- Number of Beneficiaries of Pensions' Payment Service through post offices (July - September 2015): 4.72 million beneficiary

## Fixed Lines and Mobile Subscriptions

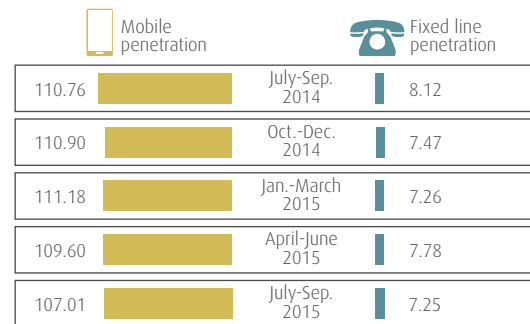
- The number of fixed line and mobile subscriptions was 99.46 million at the end of July - September 2015, compared to 101.60 million at the end of July - September 2014.
- The number of mobile subscriptions was 93.24 million at the end of July - September 2015, compared to 94.76 million at the end of July - September 2014. The mobile subscriptions recorded 93% of total telephone service.



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

## Fixed Line and Mobile Penetration

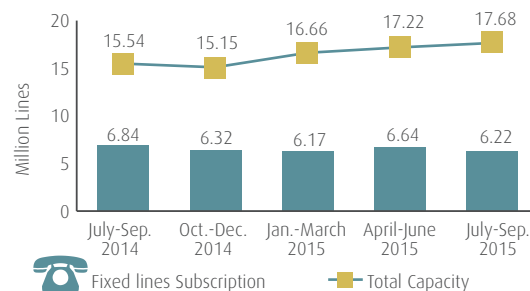
- Mobile penetration increased to 107.01% at the end of July - September 2015, compared to 110.76% at the end of July - September 2014, representing an annual change rate of -3.76%. On the other hand, fixed line penetration reached about 7.25% by the end of July - September 2015.



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 6.22 million subscriptions at the end of July - September 2015 compared to 6.84 million subscriptions at the end of July - September 2014.
- The capacity of local exchanges increased to 17.68 million lines at the end of July - September 2015, compared to 15.54 million at the end of July - September 2014. This represents an annual increase of 2.14 million lines and an annual growth rate of 13.80%.

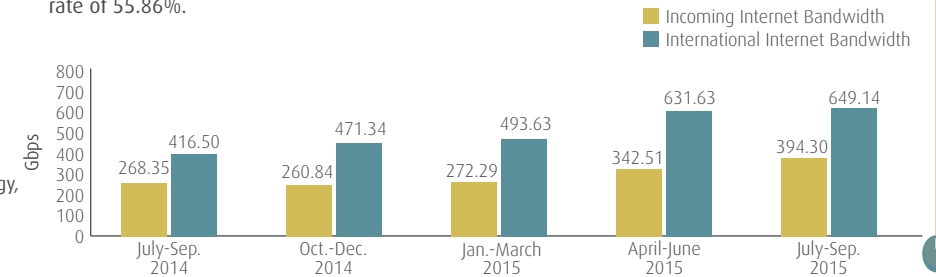


Source: Ministry of Communications and Information Technology, Telecom Egypt



## International Internet Bandwidth

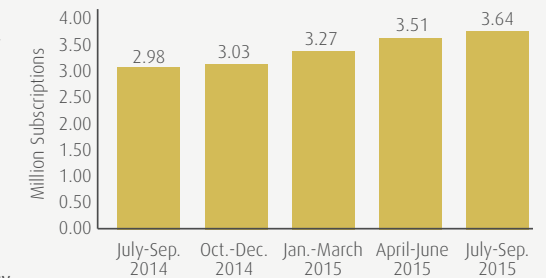
- International Internet bandwidth increased to 649,141 Gbps at the end of July - September 2015 compared to 416,497 Gbps at the end of July - September 2014 representing an annual growth rate of 55.86%.



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

## ADSL Subscriptions

- The number of ADSL subscriptions reached 3.64 million subscriptions by the end of July - September 2015 compared to 2.98 million subscriptions at the end of July - September 2014 with an annual growth rate%.

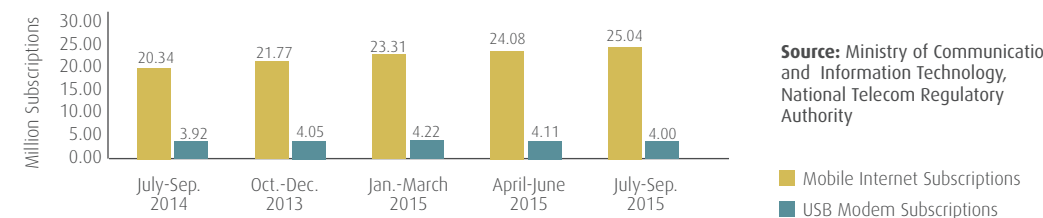


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



## Internet Users by Mode of Access

- The number of mobile internet subscriptions reached 25.04 million subscriptions by the end of July - September 2015 compared to 20.34 million subscriptions at the end of July - September 2014.
- The number of USB modem subscriptions reached 4.00 million subscriptions by the end of July - September 2015 compared to 3.92 million subscriptions at the end of July - September 2014.

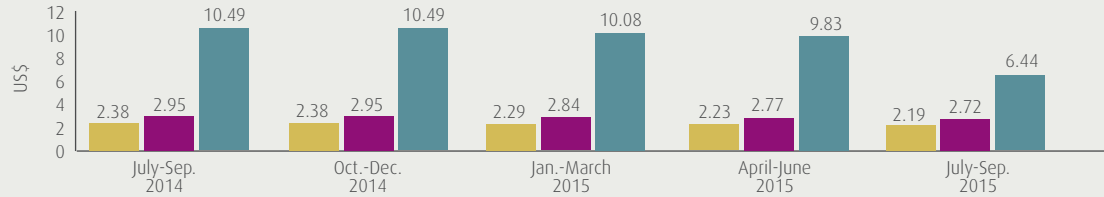


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

## ICT Price Basket

■ The cost of ICT services in Egypt is considered internationally competitive. According to the World Bank price basket methodology, the monthly cost in Egypt in July - September 2015 was USD 2.19 for a fixed line \*, USD 2.72 for mobile services \*\* and USD 6.44 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, Information Center

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

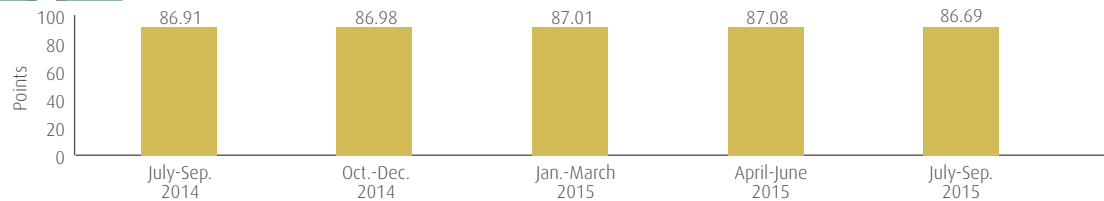
\*\* Calculated as the pre-paid price for 30 calls per month spread over the same mobile network, other mobile networks, and mobile to fixed calls and during peak, off-peak, and weekend times. It also includes 100 text messages per month. (International Telecommunication Union & World Bank).

\*\*\* Price basket for Internet (Fixed-broadband sub-basket) refers to the price of the monthly subscription to an entry-level fixed broadband plan. For comparability reason, the fixed broadband sub-basket is based on a monthly usage of (a minimum of) 1 Gigabyte (GB). For plans that limit the monthly amount of data transferred by including caps below 1 Gigabyte, the cost for additional bytes is added to the sub-basket. The minimum speed of broadband connection is 256 Kbyte/s. (International Telecommunication Union).



## Communications Service Composite Price Index \*

■ Communications Services Composite Price Index reached 86.69 points in July - September 2015 compared to 86.91 points in July - September 2014 with an annual growth rate 0.10%.



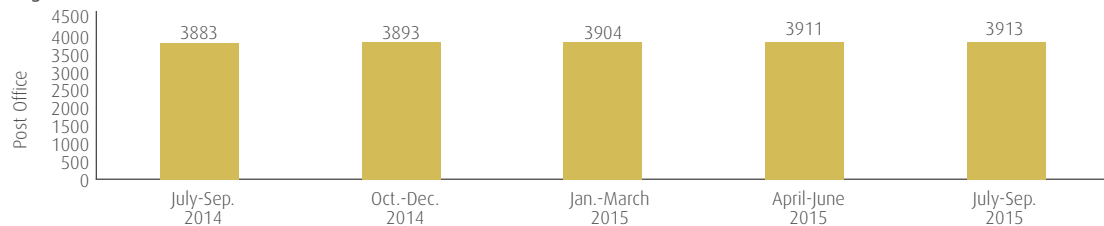
Source: Ministry of Communications and Information Technology, Information Center

\* The calculation of the index based on the recommendations of the Organization for Economic Cooperation and Development (OECD) and the World Bank, the Communication Services composite Price Index is calculated based on a basket of ICT telecommunication services taking into account the nature of telecommunications services in Egypt. The Index has four main subcomponents: fixed line telephone, mobile phone and internet services classified according to ISIC 4. Data was collected on tariffs and prices of these services for the period between 2002 to 2010 on quarterly bases that complies with the periodicity of computing the ICT GDP. The weights are calculated based on the share of each service from the total revenues for each company. The year 2006/2007 was chosen to be the base year for the index.

## Post Offices

■ The total number of post offices increased to 3913 at the end of July - September 2015, compared to 3883 at the end of July - September 2014, reflecting an annual growth rate of 0.77%.

■ The average number of people served by individual post offices was 22,269 thousand persons at the end of July - September 2015, compared to 22,032 thousand persons at the end of July - September 2014, representing an annual growth rate of 1.07%.



Source: Ministry of Communications and Information Technology, Egypt Post



## Number of pensions distributed through postal offices

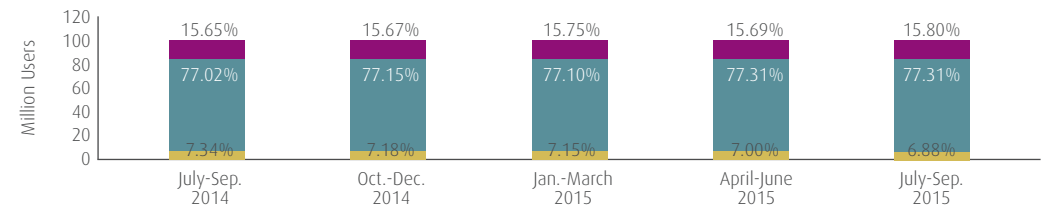
■ Number of beneficiaries of pensions distributed through postal offices has increased to about 5.38 million beneficiaries in July - September 2015 compared to about 4.97 million beneficiaries in July - September 2014 with an annual growth rate of 8.25%.

Period	Million beneficiaries
July-Sep. 2014	4.97
Oct.-Dec. 2014	5.03
Jan.-March 2015	5.06
April-June 2015	5.3
July-Sep. 2015	5.38

Source: Ministry of Communications and Information Technology, Egypt Post

## Number of ICT Companies According to Activities

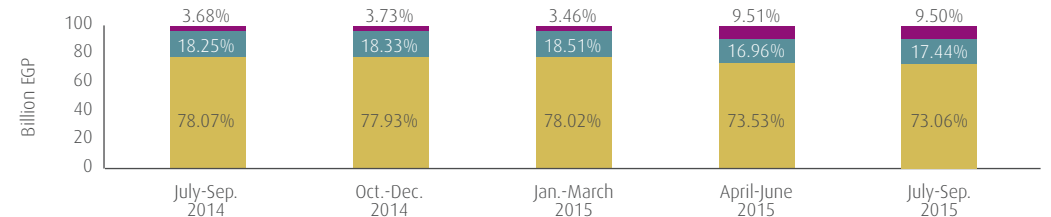
■ 77.31% were IT companies 15.80% Value added services and 6.88% communication companies. The number of ICT operating companies in July - September 2015 was 11.60% higher than in July - September 2014.



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

## ICT Issued Capital

■ It is worth noting that the percentage of Issued Capital of telecommunication companies reached 73.06% of the total issued capital within the sector while it reached 17.44% for Information Technology and 9.50% for value added services.



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

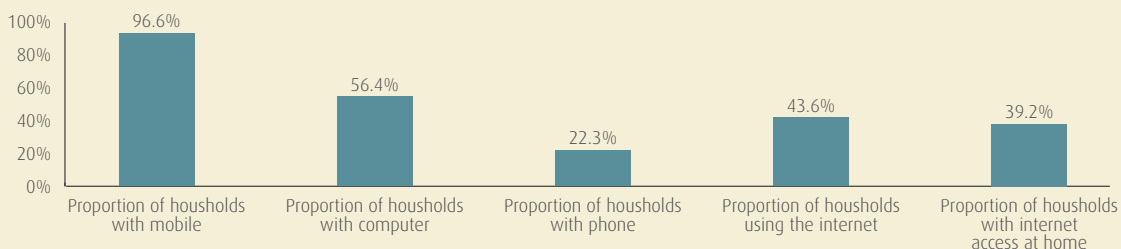
# The ICT Sector's Role in Development

- Proportion of households accessing the internet at home: 39.24%
- Proportion of households accessing the internet at home using fixed broadband access: 98.4%
- Proportion of households accessing the internet at home using mobile broadband access: 33.27%
- Proportion of individuals using the internet: 33.9%
- Proportion of households dealing with E-government: 15.17%
- Number of graduates to receive software training by ITIDA till September: 18.72 thousands trainees



## ICT Access and Use by Households

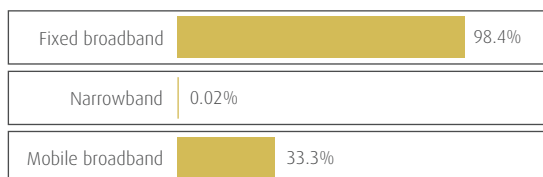
The proportion of households with a cell phone is about 96.6%, while 22.3% of households have a fixed phone, 56.4% of households use Computer, 43.6% of households with internet access, and 39.2% with Internet access at home.



Source: "survey of ICT usage in Households and individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Proportion of Households with Internet Access at Home by Mode of Access

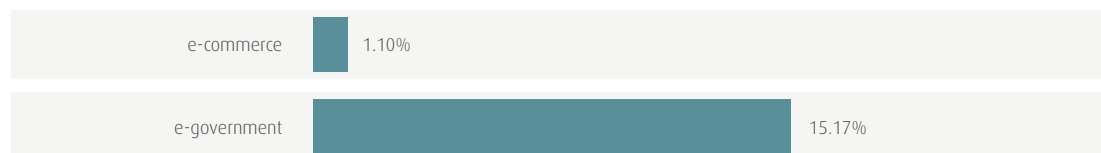
The proportion of households with Internet access at home using fixed broadband is 98.4, while 33.3% of households use mobile broadband, and only 0.02% of households use narrowband.



Source: "survey of ICT usage in households and individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Proportion of households dealing with E-government and E-commerce

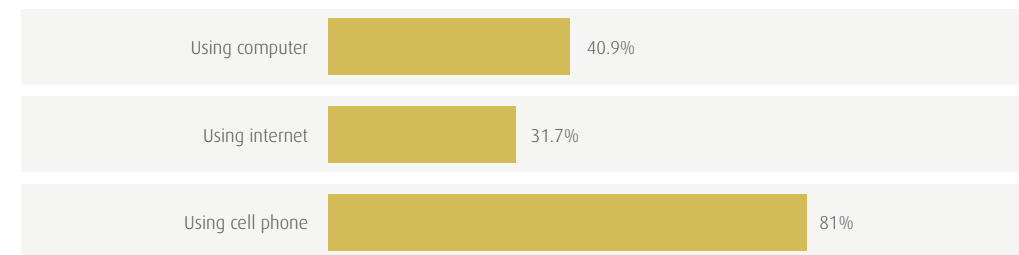
The proportion of households dealing with E-government is 15.2, while 1.1% of them are dealing with e-commerce.



Source: "survey of ICT usage in households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## ICT Access and Use by Individuals

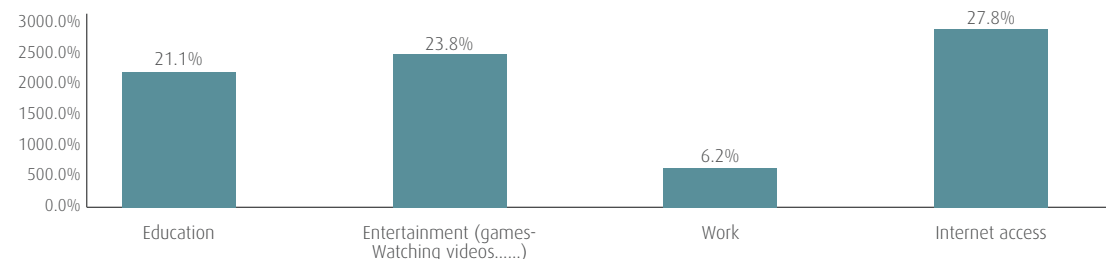
The proportion of individuals using computer is 40.9%, while the proportion of individuals using the internet is 31.7% and 81% of individuals are using cell phone.



Source: "survey of ICT usage in households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Activities Undertaken by Individuals Using Computer

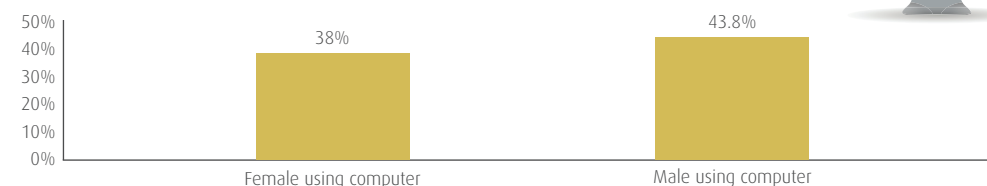
The proportion of Individuals who use computer in internet access is 27.8%, while the proportion of Individuals who use computer in education is 21.1%, proportion of Individuals using computer in entertainment is 23.8%, and those who use computer in work is 6.2%.



Source: "survey of ICT usage in households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Individuals Using Computer by Gender

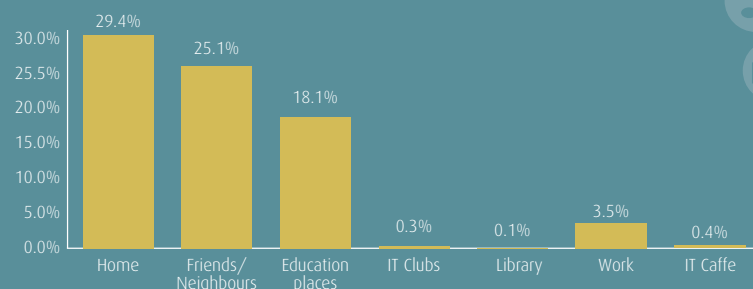
The proportion of males using computer is 43.8%, while the proportion of females using computer is 38%.



Source: "survey of ICT usage in households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Location of Individuals Using the Internet

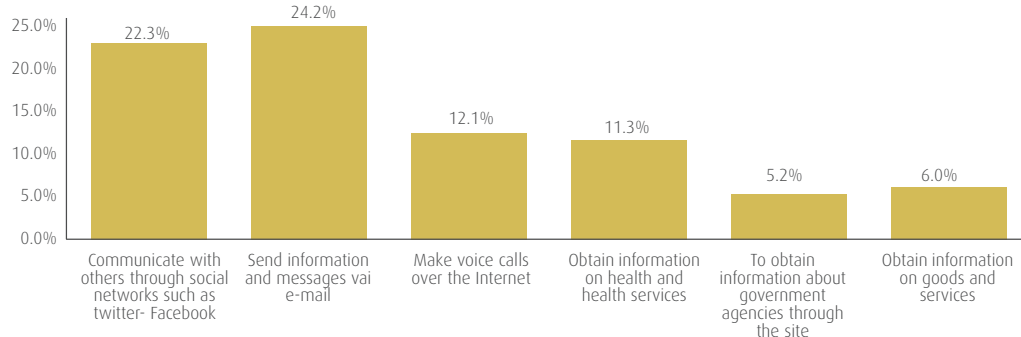
The proportion of Individuals who access internet at home is 29.4, while the proportion of Individuals who access internet from (friends/neighbors) is 25.1, and 18.1 % of those who access internet at educational places.



Source: "survey of ICT usage in households and individuals ", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Activities Undertaken by Individuals Using the Internet

The proportion of households using internet to communicate with others through social networks such as twitter-Facebook is 22.3%, while proportion of households using internet to send information and messages via e-mail is 24.2%, for (voice calls over the Internet) is 12.1, for obtain information on health and health services is 11.3, to obtain information about government agencies through the site 5.2%, and 6% to obtain information on goods and services.



Source: "survey of ICT usage in households and individuals ", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Individuals Using Internet by Gender

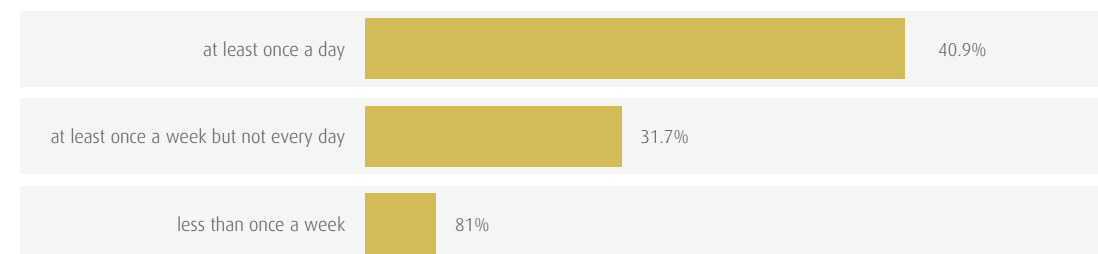
The proportion of male using internet is 36.6%, while the proportion of female using internet is 31.1%



Source: "survey of ICT usage in households and individuals ", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Periodicity of Using the Internet by Individuals

Around 20% of individuals using internet at least once a day, while 9.5% using internet at least once a week but not every day, and 2.6% using internet less than once a week.

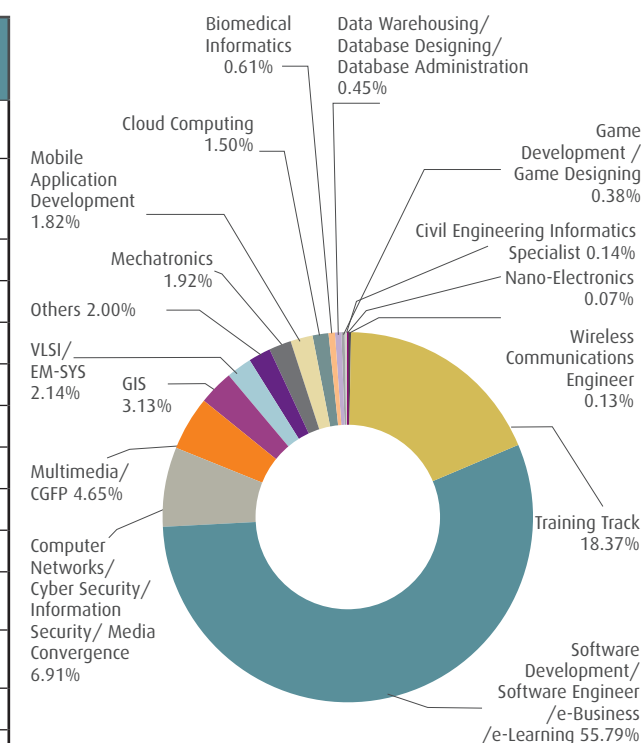


Source: "survey of ICT usage in households and individuals ", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics the (CAPMAS), 2014

## Capacity Building Program Provided by Information Technology Institute (ITI)

Training Track	2014	2015
Software Development/ Software Engineer/ e-Business/ e-Learning	6116	6672
Computer Networks/ Cyber Security/ Information Security/ Media Convergence	757	829
Multimedia/ CGFP	510	520
GIS	343	354
VLSI/ EM-SYS	235	246
Others	219	219
Mechatronics	210	224
Mobile Application Development	200	348
Cloud Computing	164	198
Biomedical Informatics	67	67
Data Warehousing/ Database Designing/ Database Administration	49	66
Game Development/ Game Designing	42	68
Civil Engineering Informatics Specialist	15	29
Wireless Communications Engineer	14	26
Nano-Electronics	8	8
<b>Total</b>	<b>8949</b>	<b>9874</b>

\*According to the latest figures.



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

## ICT Sector's Infrastructure Indicators

- Mobile subscribers increased to 93.24 million in July - September 2015, compared to 94.76 million in July - September 2014, representing an annual change rate of -1.60%
- Mobile penetration increased to 107.01 % in July - September 2015, compared to 110.76% in July - September 2014, representing an annual change rate of -3.76%
- Mobile Internet subscriptions increased to 25.04 million in July - September 2015, compared to 20.34 million in July - September 2014, representing an annual change rate of 23.13%
- USB Modem subscriptions increased to 4.00 million in July - September 2015 compared to in 3.92 million in July - September 2014 representing an annual change rate of 2.09%
- ADSL subscribers increased to 3.64 million in July - September 2015, compared to 2.98 million in July - September 2014, representing an annual change rate of 22.2%

## ICT Sector's Role in Development

- The percentage of households using the internet from any location reached 43.58% while the percentage of households accessing the internet at home reached 39.24%
- The percentage of households that has access to the internet fixed broadband reached 98.4% while the percentage of households that access the internet mobile broadband reached 33.27%
- The percentage of individuals using the internet at least once a day 20% while 9.5% use internet at least once a week
- The total number of graduates from the International Computer Driving License (ICDL) program reached 22178 graduates by the end of July - September 2015
- The number of graduates to receive software training till September 2015: 18.72 thousands graduates