



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

## Information and Communications Technology Indicators Bulletin

December 2015 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

Data item	Unit	October - December 2014	July - September 2015	October - December 2015	Quarterly growth rate (%)	Annual growth rate (%)
<b>ICT Sector: Infrastructure Indicators</b>						
Mobile subscriptions	Million	95.32	93.24	94.02	0.83	-1.36
Mobile penetration *	%	110.90	107.01	107.41	0.40	-3.49
Fixed line subscriptions	Million	6.32	6.22	6.24	0.23	-1.28
Fixed line penetration *	%	7.47	7.25	7.23	-0.02	-0.24
Mobile Internet Subscriptions	Million	21.77	25.04	26.30	5.04	20.80
USB Modem Subscriptions	Million	4.05	4.00	3.82	4.26	-5.61
ADSL subscribers	Million	3.03	3.64	3.79	4.10	25.2
International Internet Bandwidth	Gbps	471,339	649,141	652,350	0.49	38.40
Number of post offices	Post office	3893	3913	3918	0.13	0.64
<b>ICT Sector's Role In Development</b>						
Number of Telecenters **	IT Houses	--	15	15	--	--
Capacity Building Program Provided by ITIDA	Thousa nd Graduat es	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

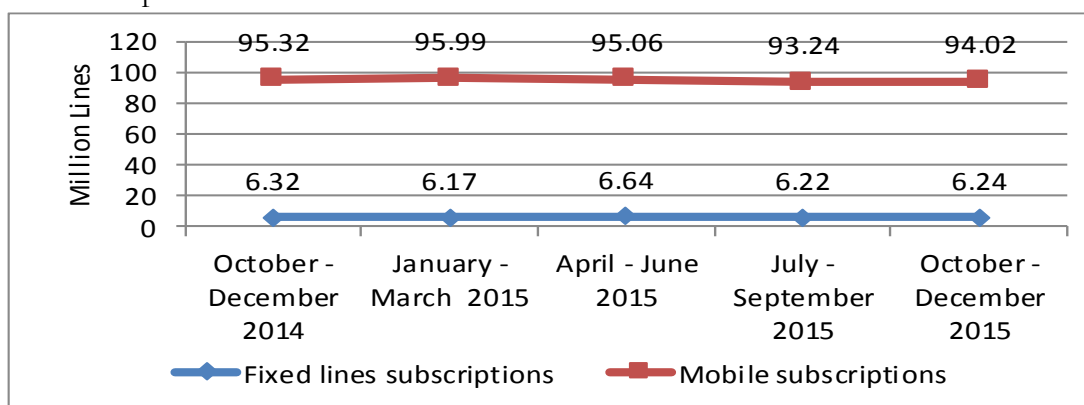
- The number of internet users reached 27.25 Million users with 31.7% penetration rate according to ICT access and use by households and individuals 2014.

## ICT Sector...Infrastructure Indicators.

- Mobile subscriptions (October - December 2015) : 94.02 million
- Mobile penetration (October - December 2015) : 107.41%
- Fixed line subscriptions (October - December 2015): 6.24 million
- Fixed line subscriptions in urban areas(October - December 2015) : 5.00 million, rural areas 1.23 million.
- Internet users through mobile(October - December 2015): 25.04 million .
- USB Modem users(October - December 2015) : 4.00 million users.
- ADSL subscribers (October - December 2015) : 3.79 million.
- International Internet bandwidth (October - December 2015): 649,141 Gbps.
- Number of post offices (October - December 2015): Post offices.
- Number of Beneficiaries of Pensions' Payment Service through post offices(October - December 2015) : 4.72 million beneficiary

### Fixed Lines and Mobile Subscriptions

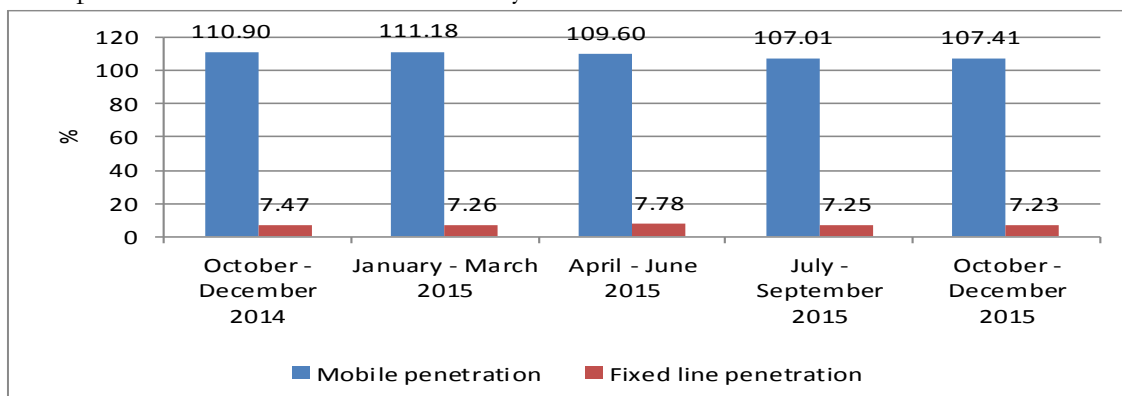
- The number of fixed line and mobile subscriptions was 100.25 million at the end of October - December 2015, compared to 101.63 million at the end of October - December 2014.
- The number of mobile subscriptions was 94.02 million at the end of October - December 2015, compared to 95.32 million at the end of October - December 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

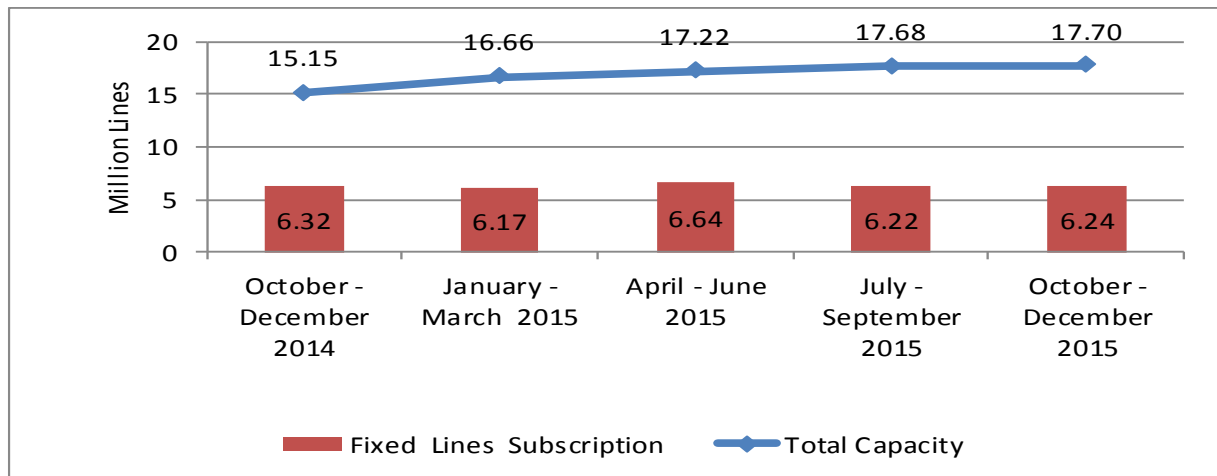
- Mobile penetration reached 107.41% at the end of October - December 2015, compared to 110.90% at the end of October - December 2014, representing an annual change rate of -3.49% . On the other hand, fixed line penetration reached about 7.23% by the end of October - December 2015.



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

## Fixed Lines Subscription and Local Exchange Capacity

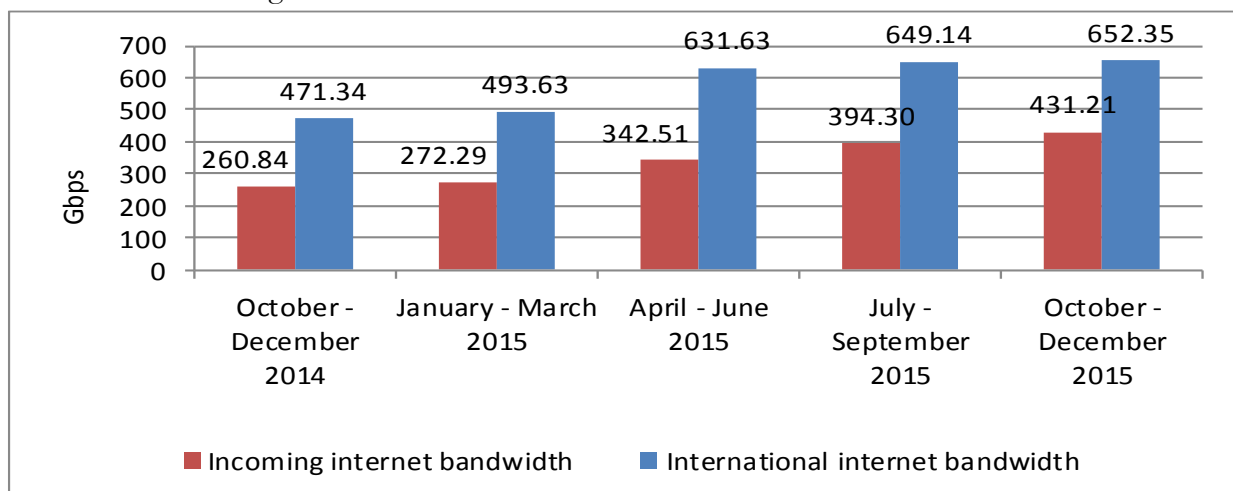
- Total number of fixed line subscriptions has reached 6.24 million subscriptions at the end of October - December 2015 compared to 6.32 million subscriptions at the end of October - December 2014.
- The capacity of local exchanges increased to 17.70 million lines at the end of October - December 2015, compared to 15.15 million at the end of October - December 2014. This represents an annual increase of 2.55 million lines and an annual growth rate of 16.81%.



Source: Ministry of Communications and Information Technology, Telecom Egypt.

## International Internet Bandwidth

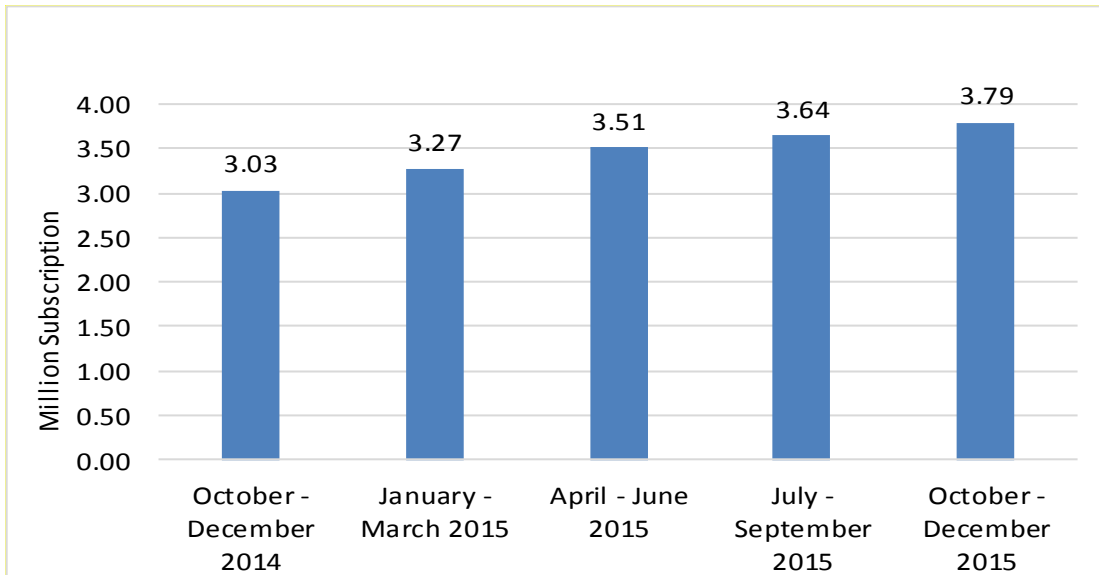
- International Internet bandwidth increased to 652,350 Gbps at the end of October - December 2015 compared to 471,339 Gbps at the end of October - December 2014 representing an annual growth rate of 38.40%.
- The international internet bandwidth per inhabitants reached 7452.6 Bit/sec. per person at the end of October - December 2015 compared to 5484.0 Bit/Sec. per person at the end October - December 2014 with an annual growth rate of 53.03%.



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

## ADSL Subscriptions

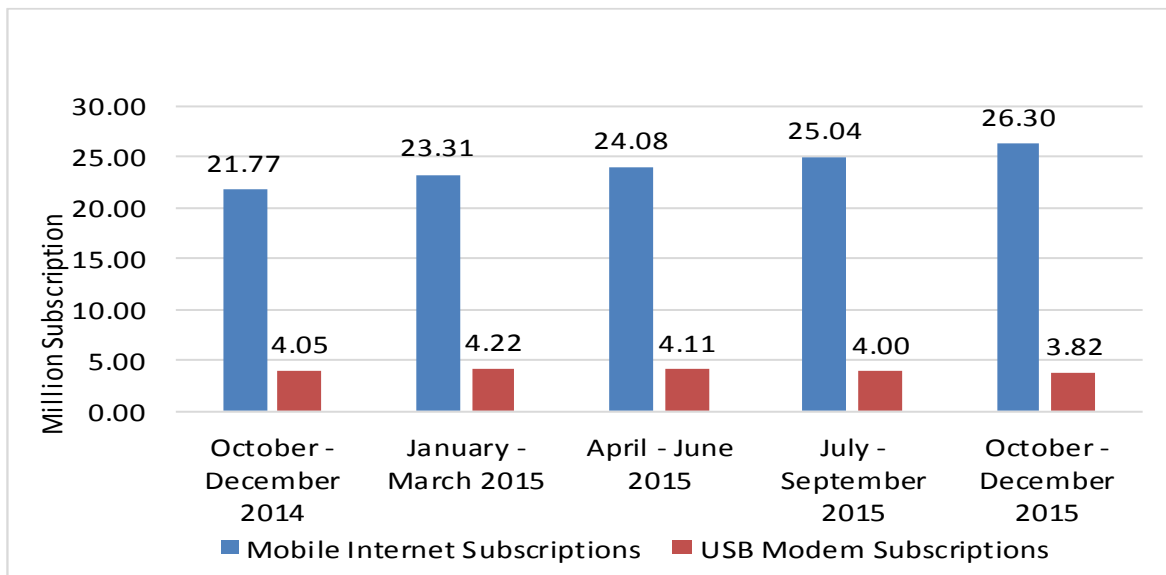
- The number of ADSL subscriptions reached 3.79 Million Subscriptions by the end of October - December 2015 compared to 3.03 Million Subscriptions at the end of October - December 2014 with an annual change rate 25.2 %.



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

## Mobile Internet and USB Modem Subscriptions

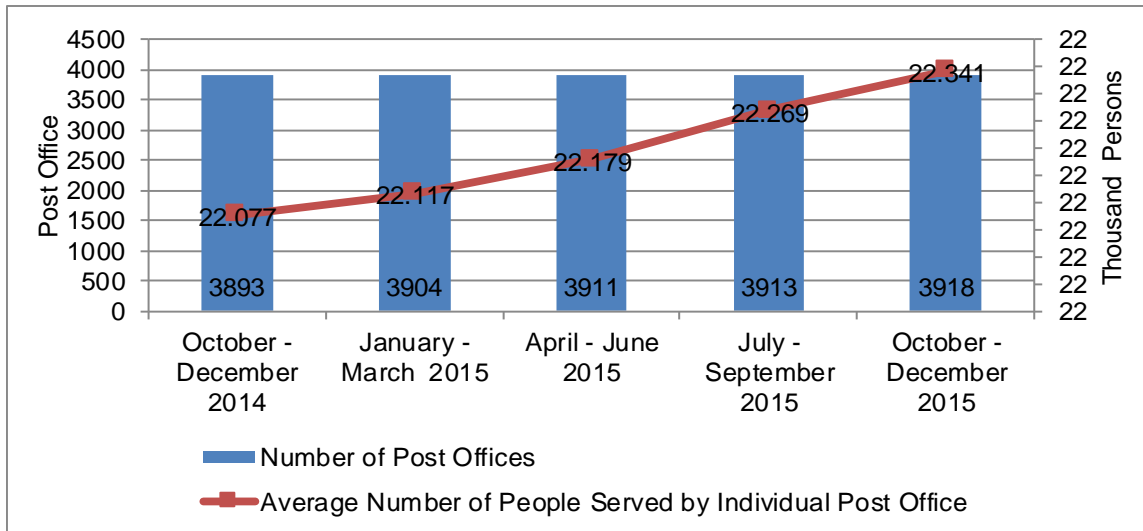
- The number of mobile internet subscriptions reached 26.30 Million Subscriptions by the end of October - December 2015 compared to 21.77 Million Subscriptions at the end of October - December 2014 with an annual change rate 20.80%.
- The number of USB Modem subscriptions reached 3.82 Million Subscriptions by the end of October - December 2015 compared to 4.05 Million Subscriptions at the end of October - December 2014.



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

## Post Offices

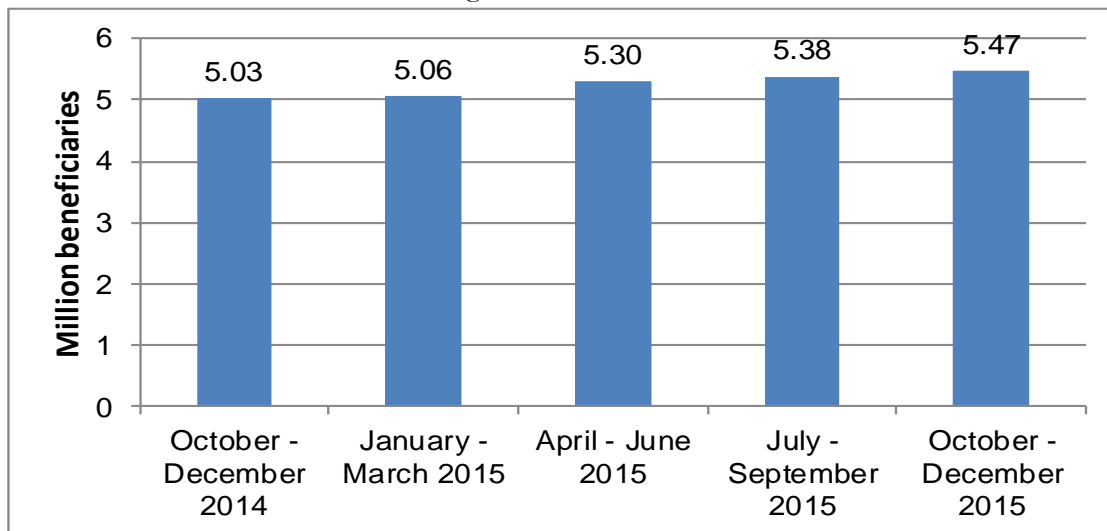
- The total number of post offices increased to 3918 at the end of October - December 2015, compared to 3893 at the end of October - December 2014, reflecting an annual growth rate of 0.64%.
- The average number of people served by individual post offices was 22,341 thousand persons at the end of October - December 2015, compared to 22,077 thousand persons at the end of October - December 2014, representing an annual growth rate of 1.20%.



Source: Ministry of Communications and Information Technology, Egypt Post

## Number of pensions distributed through postal offices

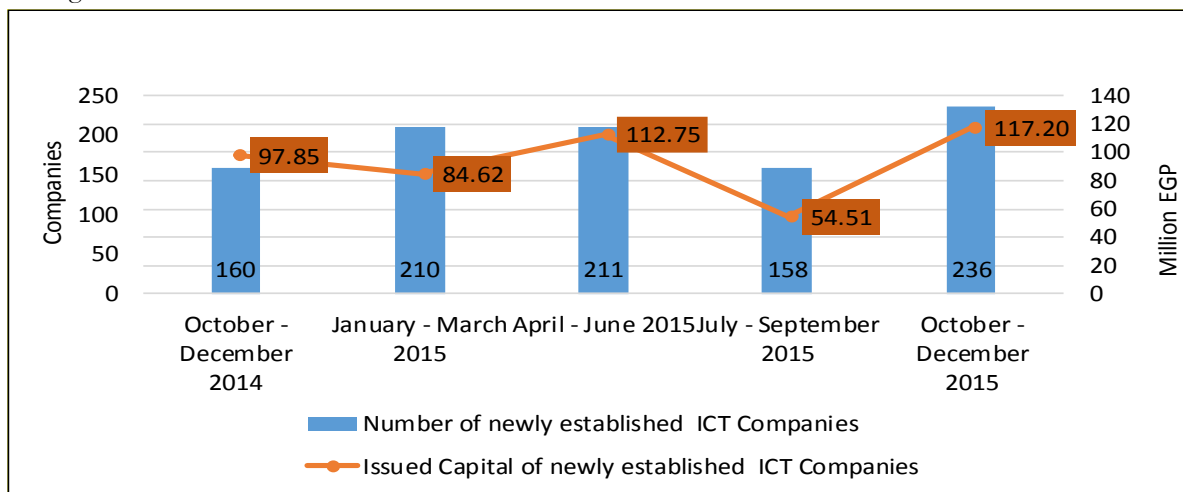
- Number of beneficiaries of pensions distributed through postal offices has increased to about 5.47 million beneficiaries in October - December 2015 compared to about 5.03 million beneficiaries in October - December 2014 with an annual growth rate of 8.75%.



Source: Ministry of Communications and Information Technology, Egypt Post.

## Number of Newly Established ICT Companies and Issued Capital

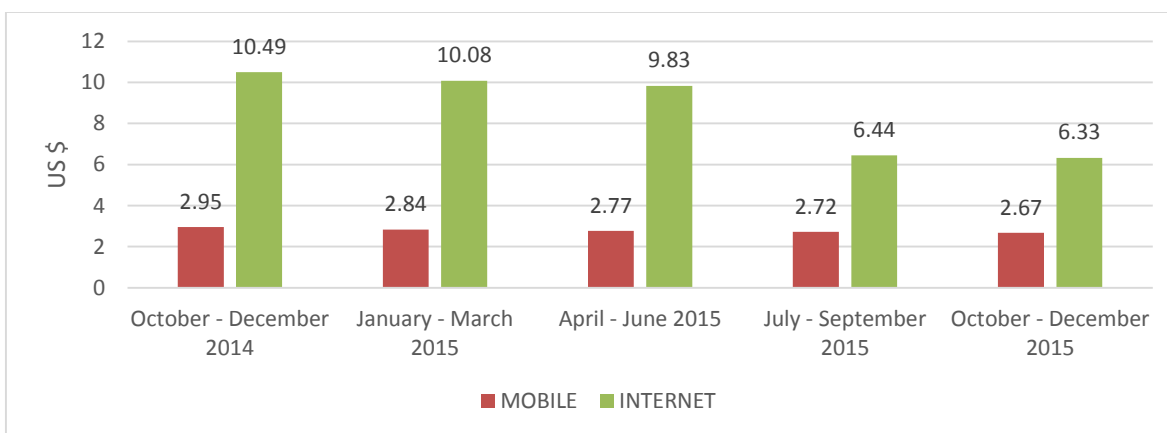
- Number of newly established ICT companies reached 236 companies in October - December 2015 compared to 160 companies in October - December 2014 with increase of 76 companies.
- Number of issued capital of newly established ICT companies reached 117.2 Million EGP in October - December 2015 compared to 97.85 Million EGP in October - December 2014 with growth rate of 19.77%



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 Egypt in October - December 2015 was USD 2.67 for mobile services \* and USD 6.33 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

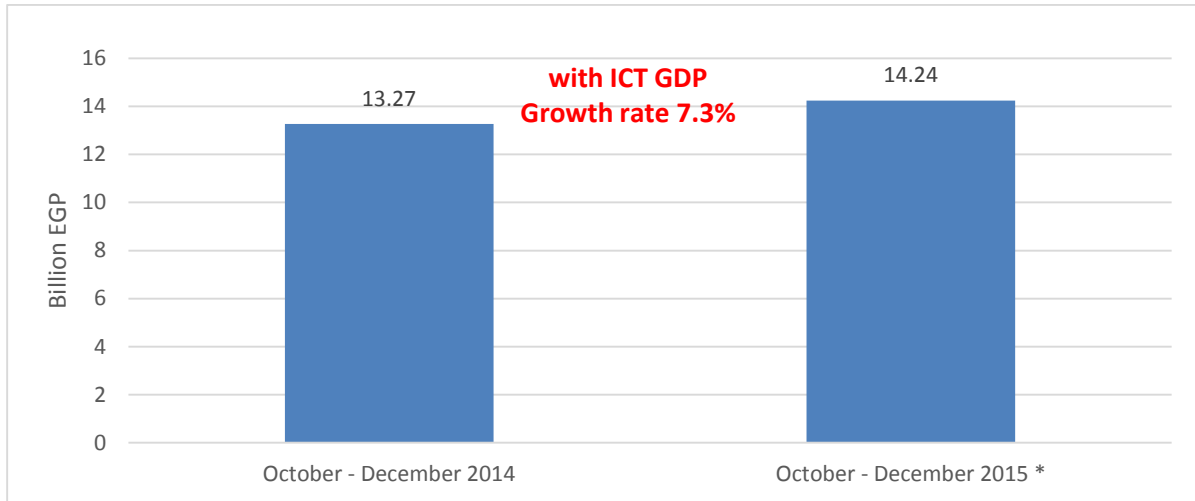
\* The mobile-cellular sub-basket refers to the price of a standard basket of mobile monthly usage for 30 outgoing calls per month (on-net/off-net to a fixed line and for peak and off-peak times), plus 100 SMS messages<sup>3</sup>. It is calculated in USD. The mobile-cellular sub-basket is based on prepaid 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.

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

## ICT GDP at Fixed Prices

- According to provisional data, ICT GDP in fixed prices is expected to reach 14.24 billion EGP in the second quarter of the year 2015/2016 increasing by 970 Million EGP in comparison to second quarter of 2014/2015. This represents the real value added of the sector, resulting from growth rate of about 7.3% for the same period; adding around 13.27 billion EGP of value.

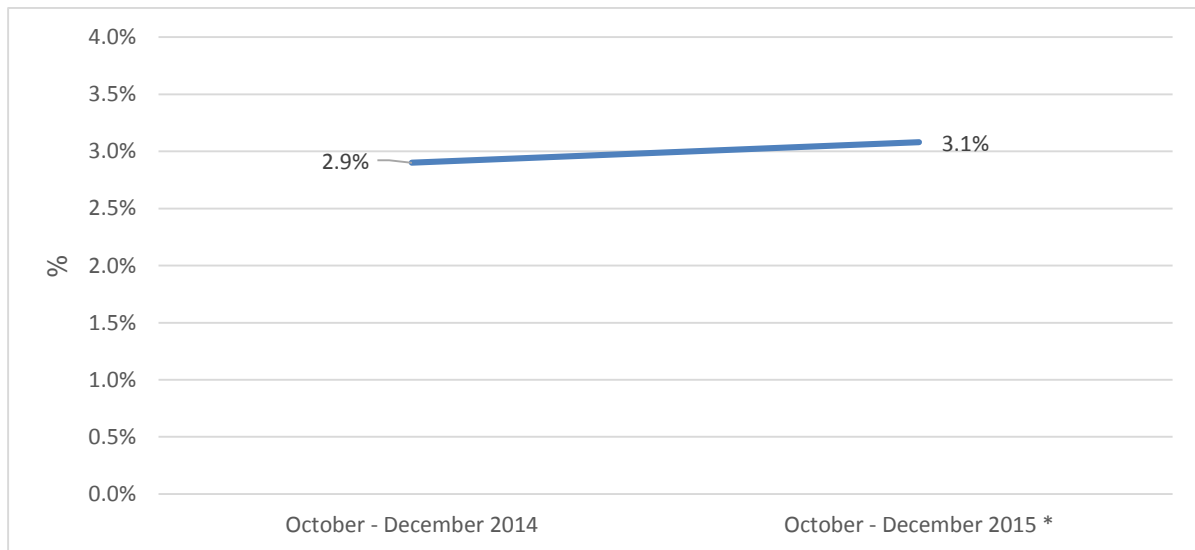


\* Estimated

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 3.1% in the real GDP of the country in the second quarter of the year 2015/2016. Thereby the sector is expected to exceed its contribution to the GDP compared to what was achieved in the second quarter of 2014/2015, which was around 2.9% of the GDP.



\* Estimated

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

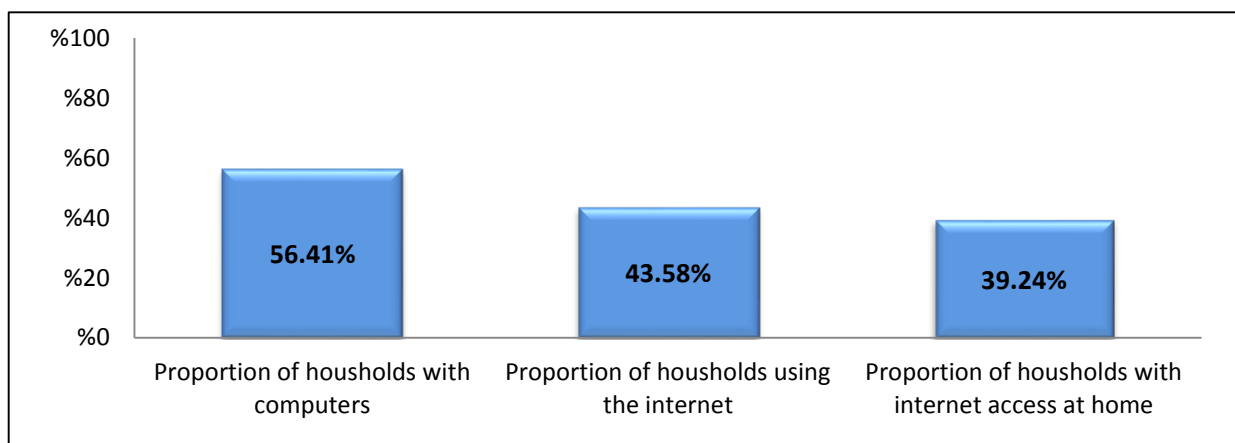


## The ICT Sector's Role in Development

- Proportion of households with computers: 56.41%.
- Proportion of households using the internet" 43.58
- Proportion of households that accessing the internet at home: 39.24%.
- Proportion of households that accessing the internet at home using fixed broadband access: 98.4%.
- Proportion of households that accessing the internet at home using mobile broadband access: 33.27%.
- Proportion of individuals that using the internet: 33.9 %.
- Proportion of households who deal 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

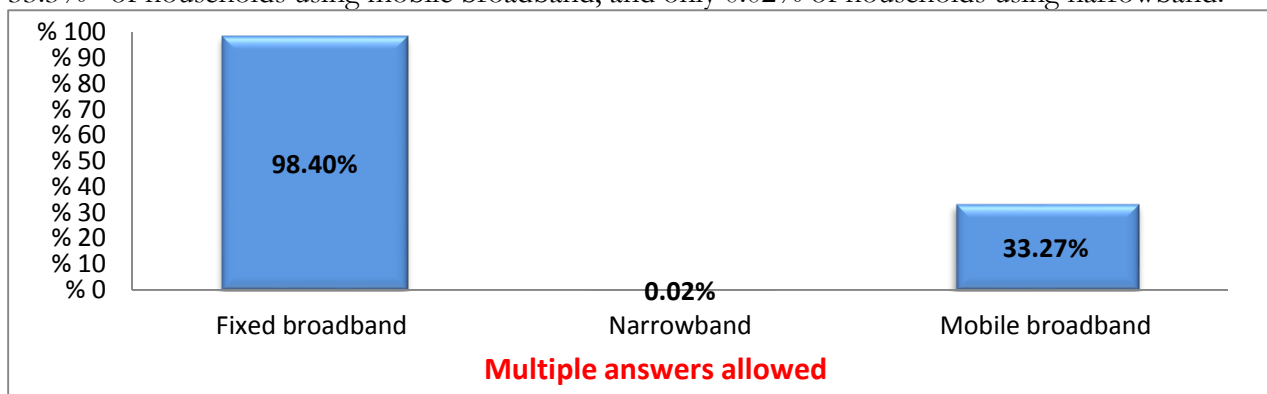
- The proportion of households with Computers 56.4% while 43.6% of households using the internet, and 39.2% with Internet access at home.



Source: "Survey of ICT usage in Households and individuals ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (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 using mobile broadband, and only 0.02% of households using narrowband.

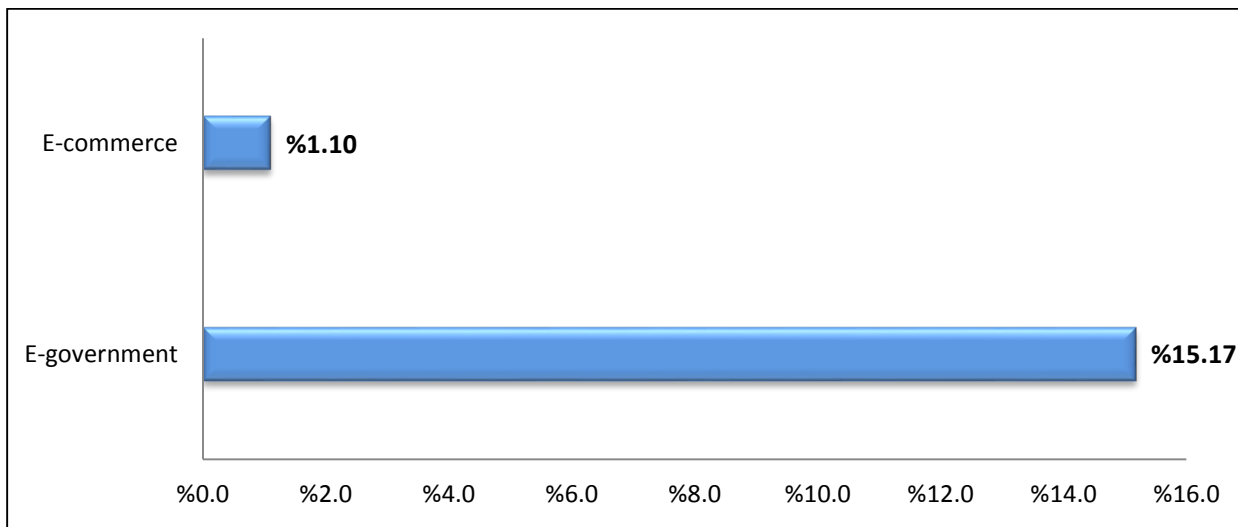


- **Fixed Broadband:** Accessing the internet using speed greater than or equal 256 kb/s via fixed connection such as (ADSL – Leased Lines).
- **Mobile Broadband:** Accessing the internet using speed greater than or equal 256 kb/s via mobile network connection such as (Mobile Internet – USB Modem)
- **Narrowband:** Accessing the internet using speed less than 256 kb/s

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

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

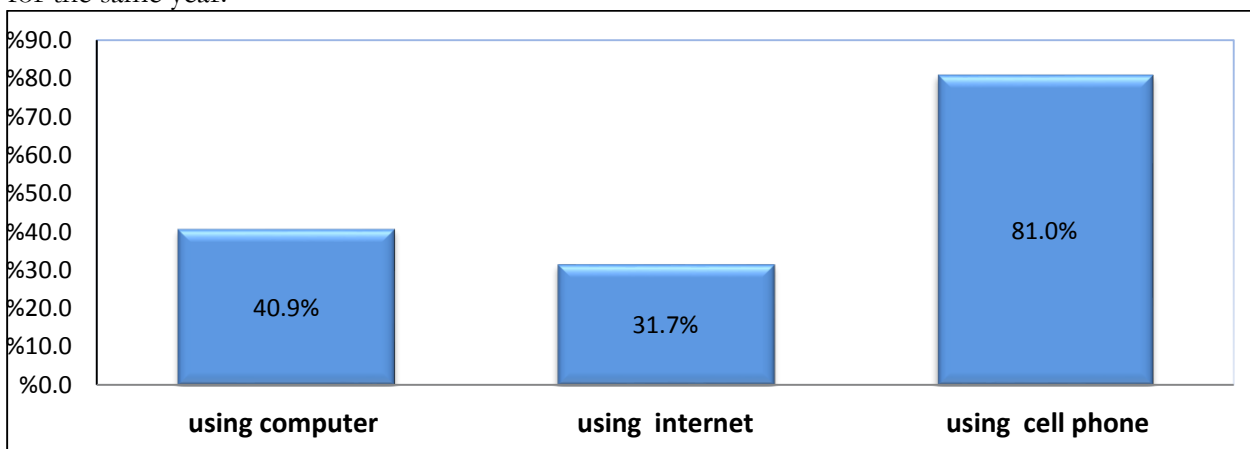
The Proportion of households who deal with E-government is 15.2, while 1.1% of them are dealing with e-commerce.



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

## ICT Access and Use by Individuals \*

The proportion of individuals who are using a computer reached 40.9% in 2014, while the proportion of individuals who are using the internet reached 33.9% and 81% of individuals are using cell phones for the same year.

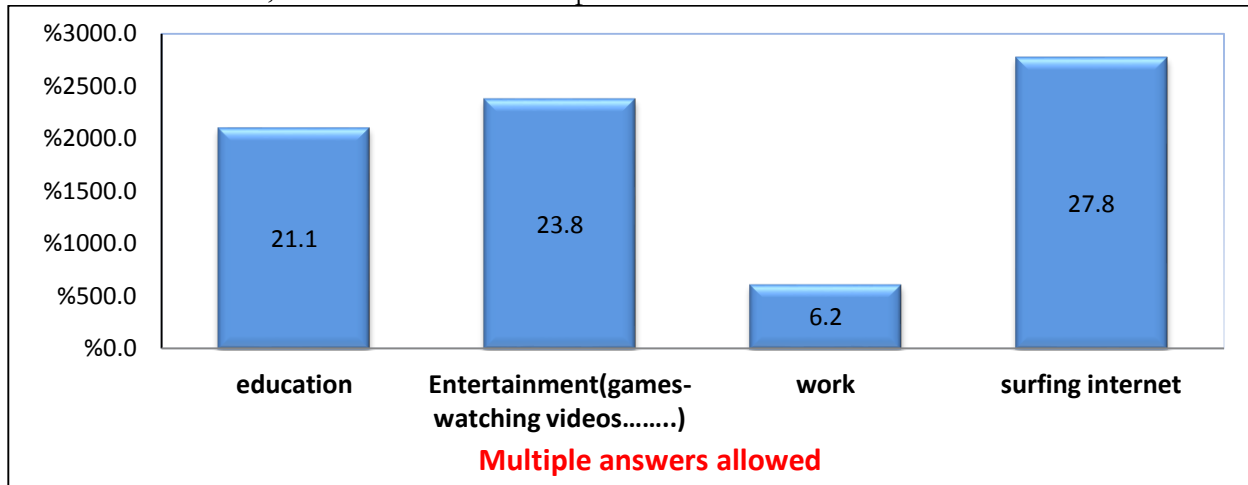


\* Refers to individuals aged 6 years and older (76.44 Million) according to ITU methodology.

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

## Activities Undertaken by Individuals Using Computer

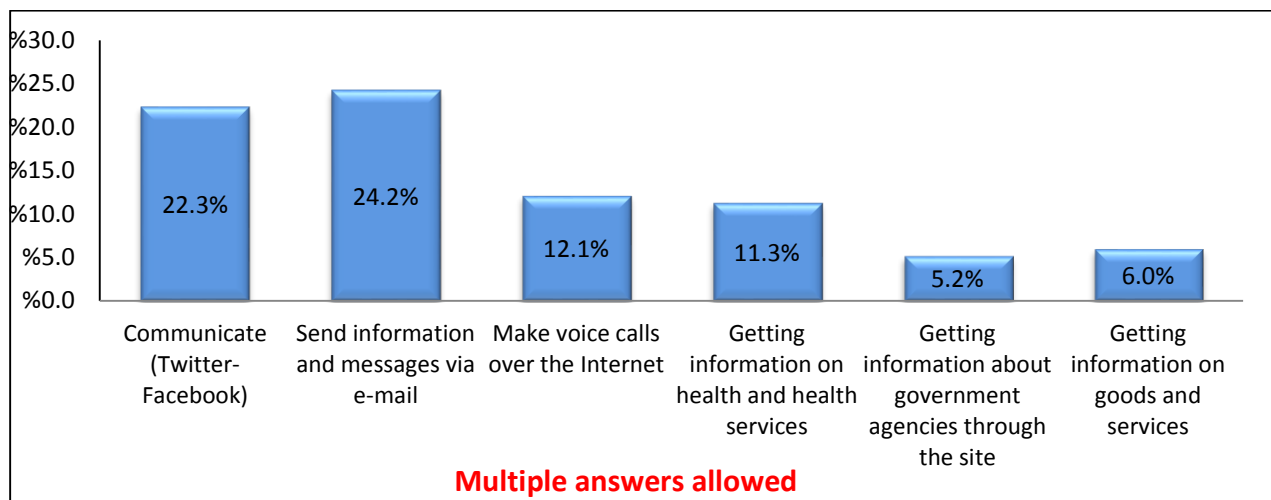
The proportion of Individuals who use computer in surfing internet is 27.8%, while the proportion of Individuals who use computer in education is 21.1%, proportion of Individuals use computer in entertainment is 23.8%, and those who use computer in work is 6.2%.



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

## Activities Undertaken by Individuals Using the Internet

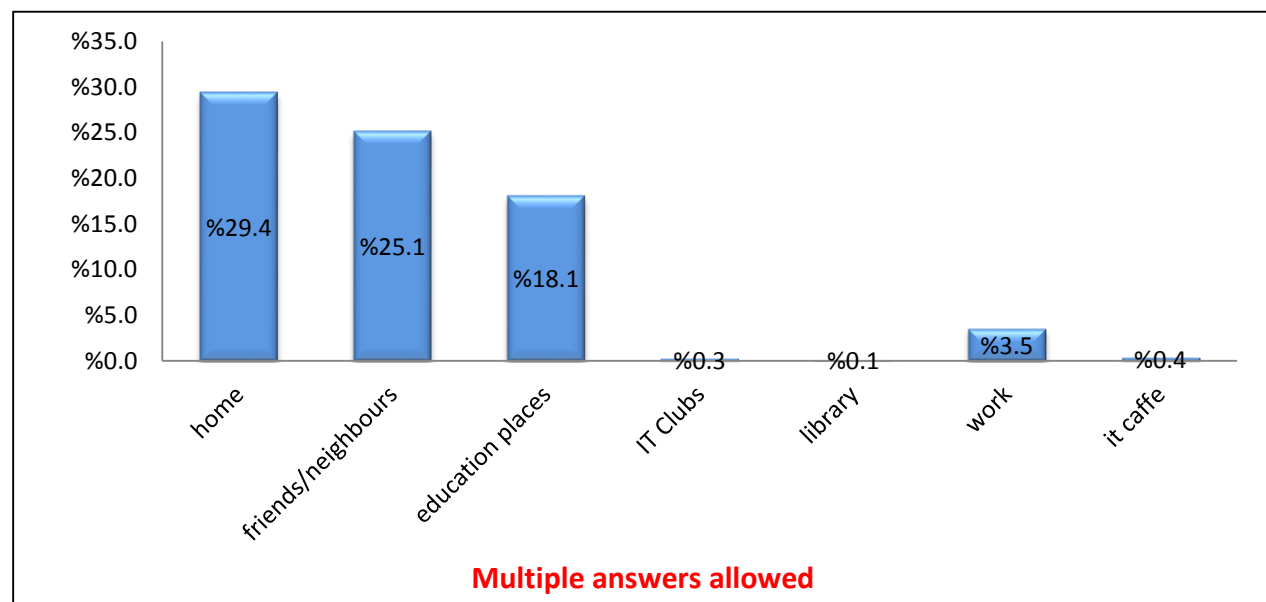
The proportion of household who use internet in Communicate with others through social networks such as twitter- Facebook is 22.3%, while proportion of household who use internet in send information and messages via e-mail is 24.2%, for (voice calls over the Internet) is 12.1, for obtain information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



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

## Location of Individuals Using the Internet

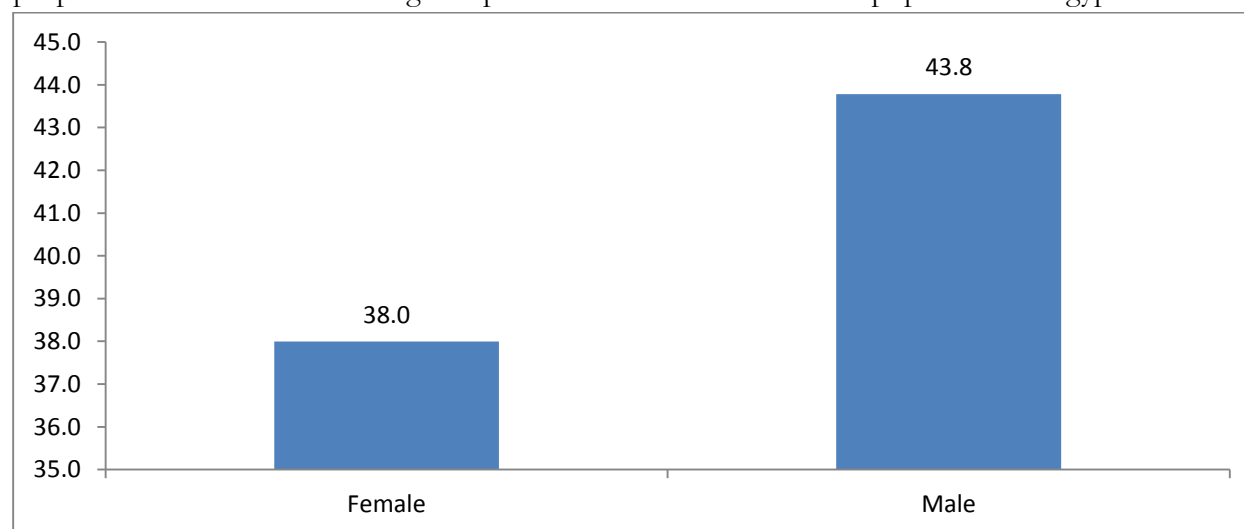
the proportion of Individuals who access internet at home is 29.4, while the proportion of Individuals who access internet from (friends/neighbors) is 25.1, and 18.1 % of those who access internet at educational places.



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

## Individuals Using Computer by Gender

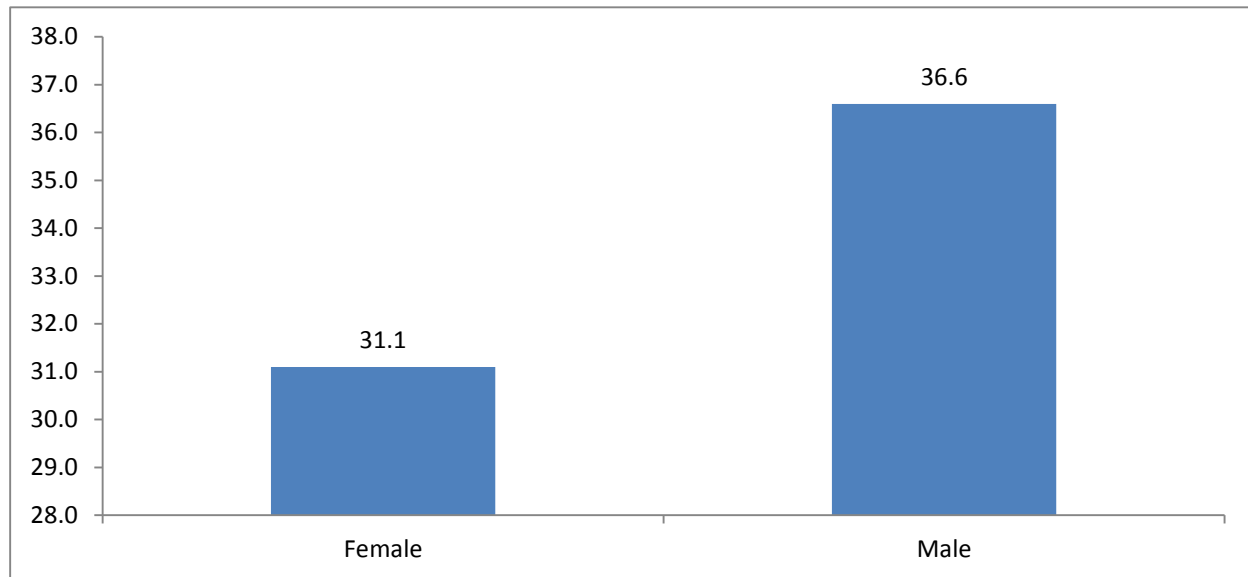
The proportion of males who using computer is 43.8% from total male population in Egypt, while the proportion of females who using computer is 38% from total female population in Egypt.



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

## Individuals Using Internet by Gender

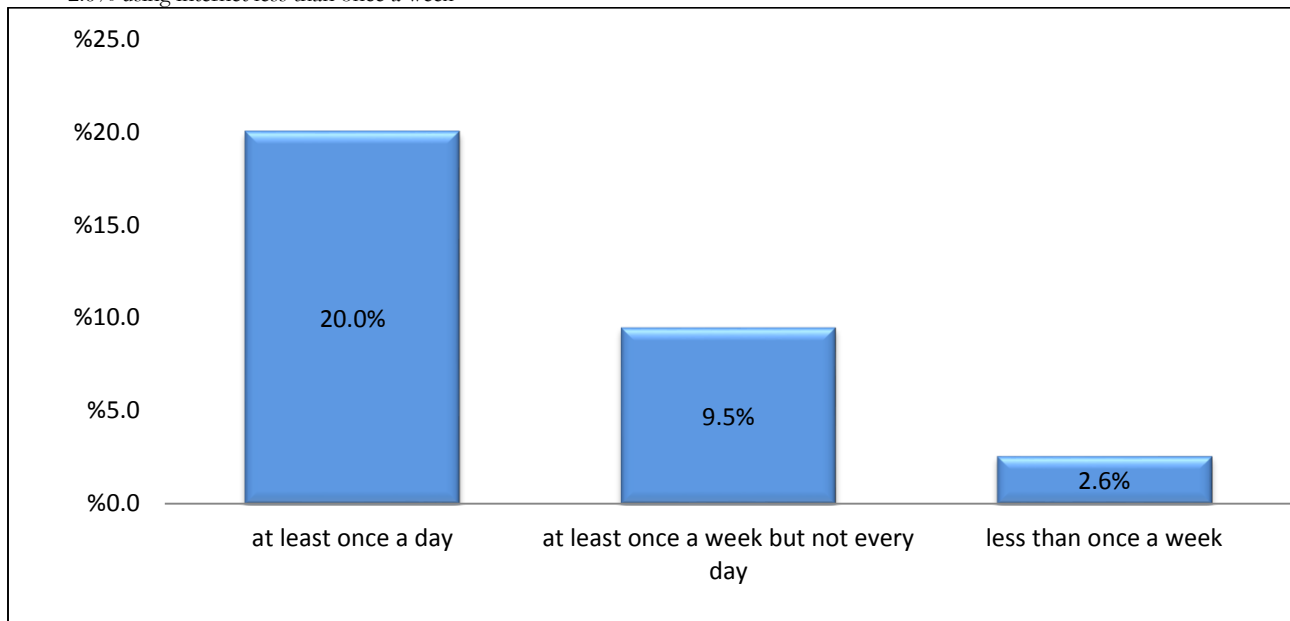
The proportion of male who using internet is 36.6%, while the proportion of female who using internet is 31.1%



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

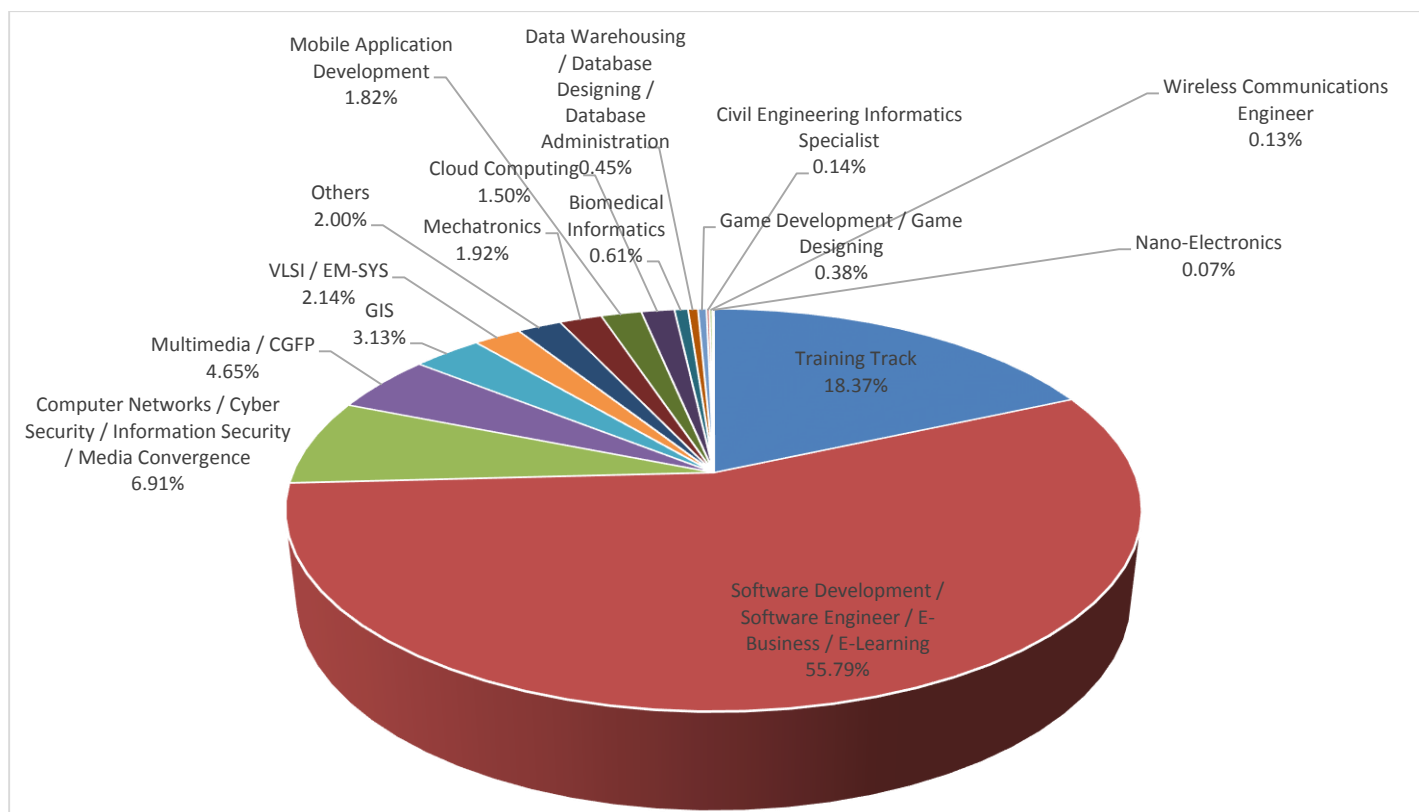


Source: "Survey of ICT usage in Households and individuals ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014.

## 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.

## Infrastructure Indicators

- **Mobile subscribers increased to 94.02 million in October - December 2015, compared to 95.32 million in October - December 2014, representing an annual change rate of -1.36%.**
- **Mobile penetration increased to 107.41 % in October - December 2015, compared to 110.90% in October - December 2014, representing an annual change rate of -3.49%.**
- **Mobile Internet subscriptions increased to 26.30 million in October - December 2015, compared to 21.77 million in October - December 2014, representing an annual change rate of 20.80 %.**
- **USB Modem subscriptions increased to 3.82 million in October - December 2015 compared to in 4.05 million in October - December 2014 representing an annual change rate of -5.61 %.**
- **ADSL subscribers increased to 3.79 million in October - December 2015, compared to 3.03 million in October - December 2014, representing an annual change rate of %**

## ICT sectors role in Development

- **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% .**
- **The percentage of households that has access to the internet Fixed broadband reached 33.27%.**
- **The total number of graduates from the International Computer Driving License (ICDL) program reached 22178 graduates by the end of October - December 2015.**
- **The number of graduates to receive software training till September 2015: 18.72 Thousands graduates.**