



Arab Republic of Egypt
Ministry of Communications
and Information Technology

Information and Communications Technology Indicators Bulletin

March 2015 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

Indicators in Brief

Data	Unit	January - March 2014	October - December 2014	January - March 2015	Quarterly Growth Rate (%)	Annual Growth Rate (%)
ICT Sector's Infrastructure Indicators						
Mobile Subscriptions	Million	101.24	95.32	95.99	0.71	-5.18
Mobile Penetration *	%	119.45	110.90	111.18	0.28	-8.27
Fixed line subscriptions *	Million	6.79	6.32	6.17	-2.30	-9.14
Fixed line Penetration *	%	8.14	7.47	7.26	-0.21	-0.88
Mobile Internet Subscriptions	Million	17.26	21.77	23.31	7.06	35.05
USB Modem Subscriptions	Million	3.79	4.05	4.22	4.26	11.48
ADSL Subscribers	Million	2.77	3.03	3.27	7.85	17.8
International Internet Bandwidth	Gbps	287,016	471,339	493,632	4.73	71.99
Number of Post Offices	Office	3852	3893	3904	0.28	1.35
ICT Sector's Role In Development						
Number of Telecentres **	Telecentre	--	--	15	--	--
Capacity Building Program Provided by ITIDA	Graduates	252	305	176	-42.29	-30.16

* 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 31.07% penetration rate according to ICT access and use by households and individuals 2014.



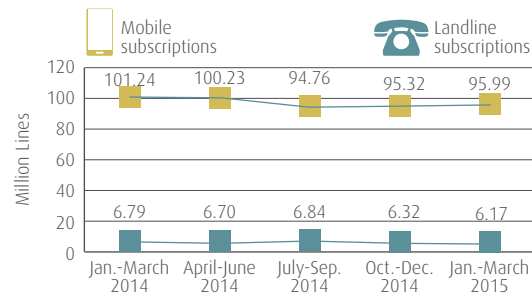
Scan Me

ICT Sector's Infrastructure Indicators

- Mobile subscriptions (January - March 2015) : 95.99 million, Mobile penetration (January - March 2015) : 111.18%
- Fixed line subscriptions (January - March 2015): 6.17 million
- Fixed line subscriptions in urban areas (January - March 2015) : 4.93 million, rural areas 1.24 million
- Internet users through mobile (January - March 2015): 23.31 million
- USB Modem users (January - March 2015) : 4.22 million users
- ADSL subscribers (January - March 2015) : 3.27 million
- International Internet bandwidth (January - March 2015) : 493,632 Gbps
- Number of post offices (January - March 2015): 3904 Post offices
- Number of Beneficiaries of Pensions' Payment Service through post offices (January - March 2015) : 4.72 million beneficiary

Fixed Lines and Mobile Subscriptions

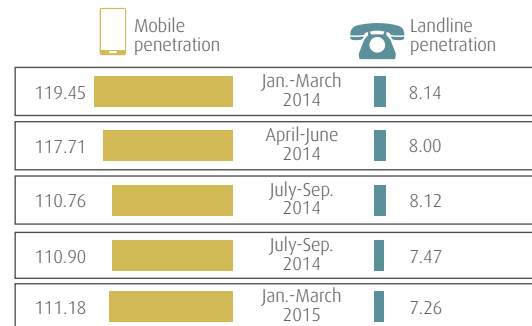
- The number of fixed line and mobile subscriptions was 102.17 million at the end of January - March 2015, compared to 108.03 million at the end of January - March 2014.
- The number of mobile subscriptions was 95.99 million at the end of January - March 2015, compared to 101.24 million at the end of January - March 2014. The mobile subscriptions recorded 94% of total telephone service.



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

Fixedline and Mobile Penetration

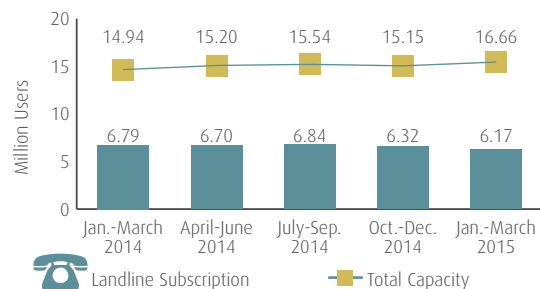
- Mobile penetration reached 111.18% at the end of January - March 2015, compared to 119.45% at the end of January - March 2014, representing an annual change rate of -8.27%. On the other hand, fixed line penetration reached about 7.26% by the end of January - March 2015.



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

Fixedline Subscription and Local Exchange Capacity

- Total number of fixed line subscriptions has reached 6.17 million subscriptions at the end of January - March 2015 compared to 6.79 million subscriptions at the end of January - March 2014.
- The capacity of local exchanges increased to 16.66 million lines at the end of January - March 2015, compared to 14.94 million at the end of January - March 2014. This represents an annual increase of 1.73 million lines and an annual growth rate of 11.55%.

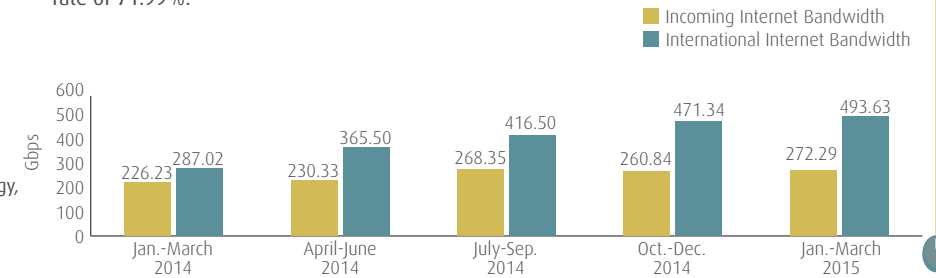


Source: Ministry of Communications and Information Technology, Telecom Egypt



International Internet Bandwidth

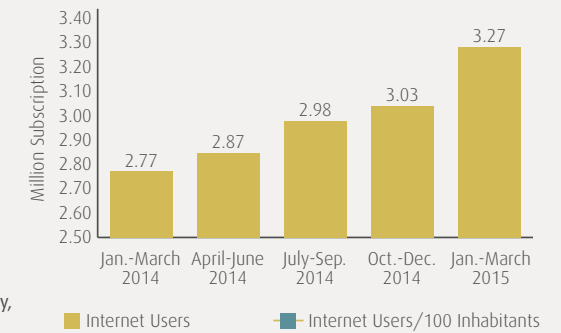
- International Internet bandwidth increased to 493,632 Gbps at the end of January - March 2015 compared to 287,016 Gbps at the end of January - March 2014 representing an annual growth rate of 71.99%.



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

ADSL Subscriptions

- The number of ADSL subscriptions reached 3.27 Million Subscriptions by the end of January - March 2015 compared to 2.77 Million Subscriptions at the end of January - March 2014 with an annual growth rate 17.8%.

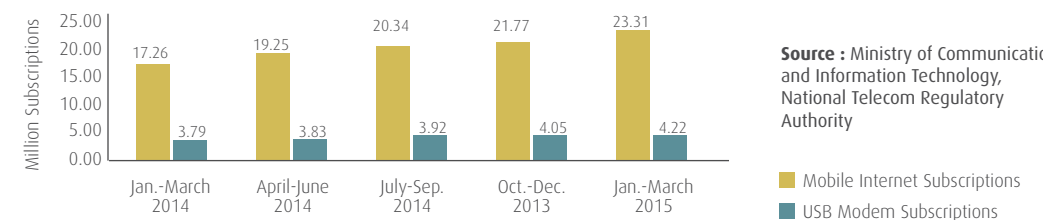


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



Mobile internet and USB Modem

- The number of mobile internet subscriptions reached 23.31 Million Subscriptions by the end of January - March 2015 compared to 17.26 Million Subscriptions at the end of January - March 2014.
- The number of USB Modem subscriptions reached 4.22 Million Subscriptions by the end of January - March 2015 compared to 3.79 Million Subscriptions at the end of January - March 2014.

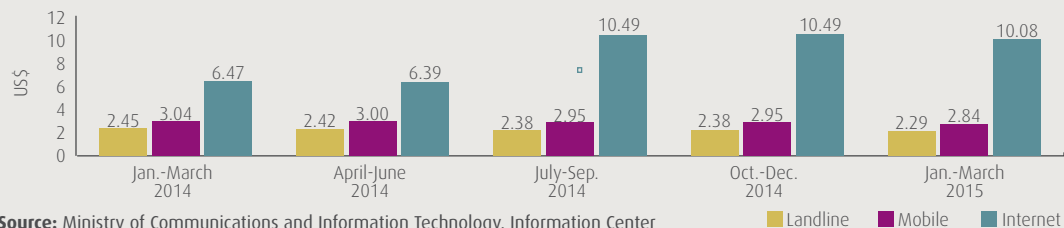


Source : Ministry of Communications and Information Technology, National Telecom Regulatory Authority

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 January - March 2015 was USD 2.29 for a fixed line *, USD 2.84 for mobile services ** and USD 10.08 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)

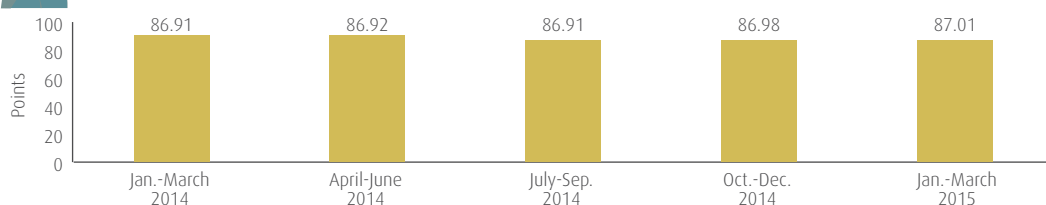
** Calculated as the pre-paid price for 30 calls per month spread over the same mobile network, other mobile networks, and mobile to landline calls and during peak, off-peak, and weekend times. It also includes 100 text messages per month. (International Telecommunication Union & World Bank).

*** Price basket for Internet (landline-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 87.01 points in January - March 2015 compared to 86.91 points in January - March 2014 with an annual growth rate 0.10%.



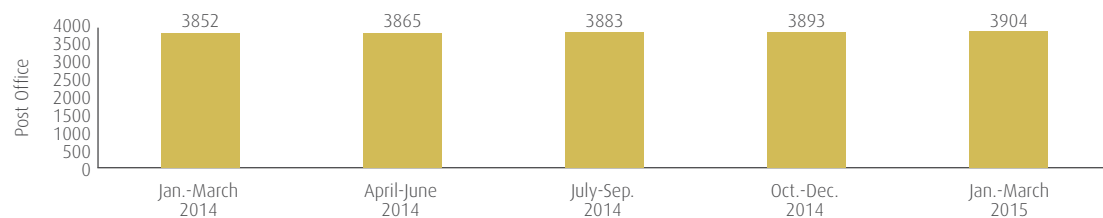
Source: Ministry of Communications and Information Technology, Information Center

* The calculation of the index based on the recommendations of the Organization & 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 3904 at the end of January - March 2015, compared to 3852 at the end of January - March 2014, reflecting an annual growth rate of 1.35%.

■ The average number of people served by individual post offices was 22,117 thousand persons at the end of January - March 2015, compared to 22,004 thousand persons at the end of January - March 2014, representing an annual growth rate of 0.51%.

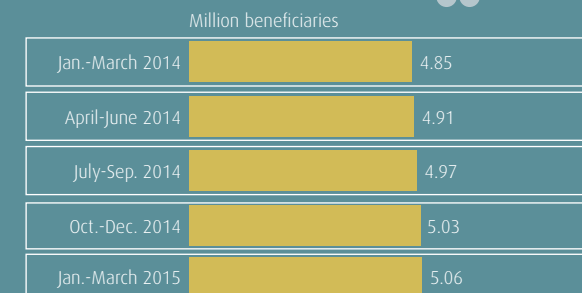


Source: Ministry of Communications and Information Technology, Egypt Post



Number of Pensions Distributed through Postal Offices

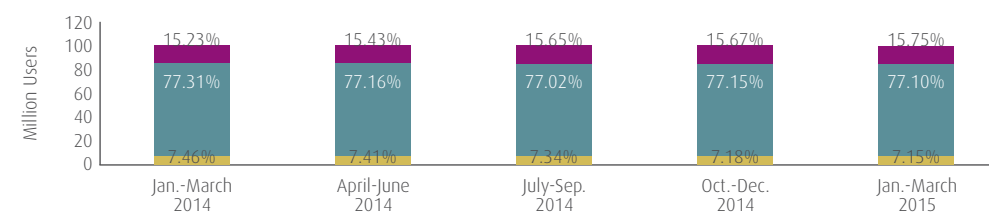
■ Number of beneficiaries of pensions distributed through postal offices has increased to about 5.06 million beneficiaries in January - March 2015 compared to about 4.85 million beneficiaries in January - March 2014 with an annual growth rate of 4.33%.



Source: Ministry of Communications and Information Technology, Egypt Post

Number of ICT Companies According to Activities

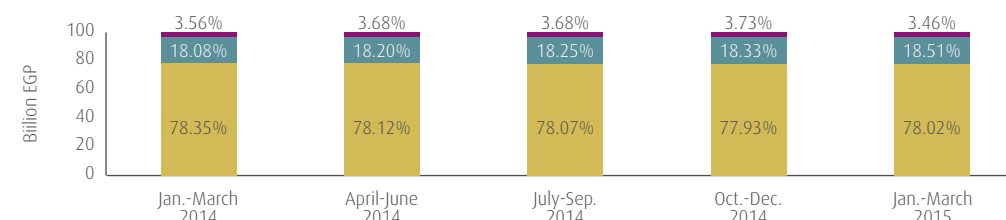
■ 77.10% were IT companies 15.75% Value added services and 7.15% communication companies. The number of ICT operating companies in January - March 2015 was 11.16% higher than in January - March 2014.



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

ICT Issued Capital

■ The percentage of Issued Capital of telecommunication companies reached 77.93% of the total issued capital within the sector, while it reached 18.33% for Information Technology and 3.73% for value added services



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

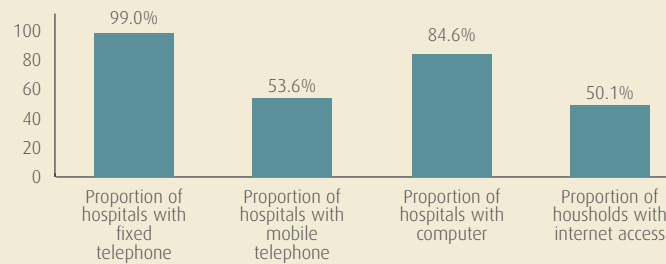
The ICT Sector's Role in Development

- Proportion of hospitals with mobile phones: 53.6%.
- Proportion of hospitals that has internet fixed broadband access: 47%.
- Proportion of hospitals that has internet mobile broadband access: 11.9%.
- Proportion of hospitals that dealing with E-Government: 26.9%.
- Proportion of doctors that using the internet in daily basis: 83.8%
- Number of graduates to receive software training (January - March 2015): 176 trainees.



ICT infrastructure in hospitals

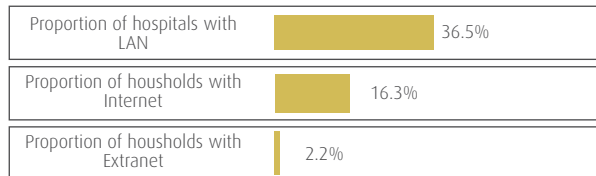
The proportion of hospitals with fixed telephone reached around 99%, while with a mobile reached about 53.6%, and hospitals with a computer reached 84.6% however hospitals with internet access reached 50.1%.



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

The use of networks in hospitals

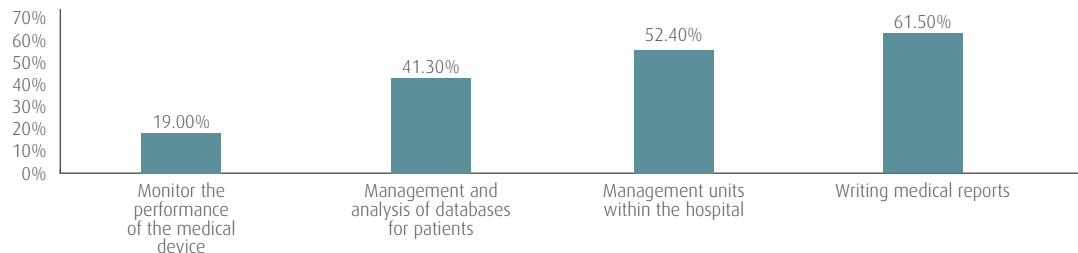
The proportion of hospitals with a LAN reached about 36.5%, while hospitals that have an intranet reached 16.3% and with an extranet about 2.2%.



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

Computers usage activities in hospitals

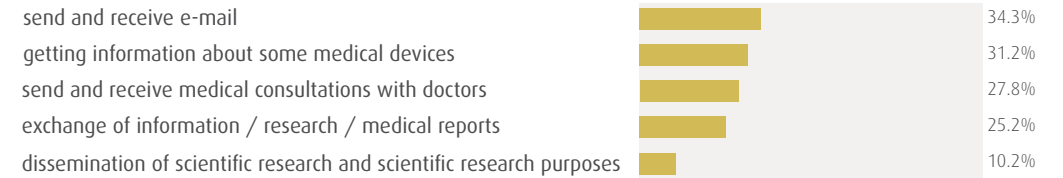
On the other side, the percentage of hospitals that use the computer in monitor the performance of the medical device about 19%, while 41.3% of the hospitals used the computer in management and analysis of databases for patients and 52.4% of the hospitals used in management units within the hospital and 61.5% in writing medical reports.



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

Internet activities in hospitals

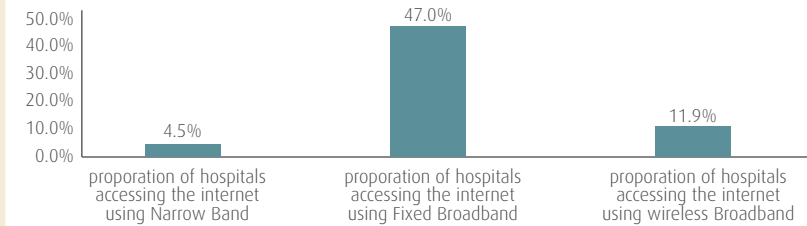
Concerning hospitals usage of internet, 10.2% of the hospitals use the internet in disseminating of scientific research and scientific research purposes, while 25.2% of the hospitals use it in exchange of information / research / medical reports. 27.8% of the hospitals use the internet in sending and receiving medical consultations with doctors, however 31.2% use it in getting some information about some medical devices. For hospitals using the internet in Sending and receiving e-mail reached about 34.3%.



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

Hospitals using internet by mode of access

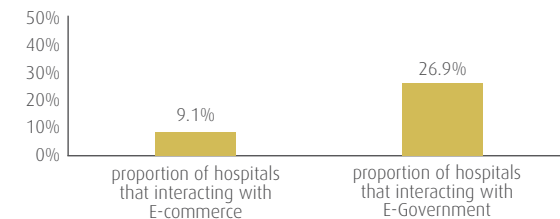
The proportion of hospitals that access the internet using Narrow band reached about 4.5%, while hospitals that access the internet using fixed broadband reached 47% and hospitals accessing the internet using wireless broadband 11.9%.



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

Hospitals deal with E-government and E-commerce

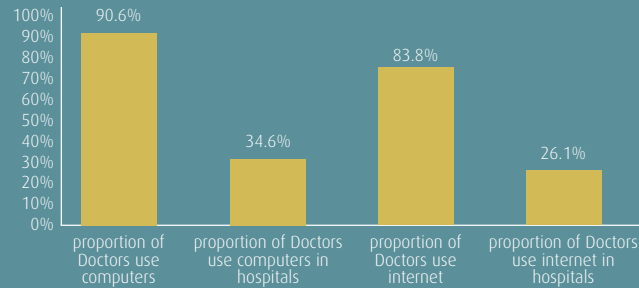
For the hospitals that interact with the e-government, its proportion accounted for 26.9%, while those who interact with e-commerce accounted for 9.1%.



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

ICT usage by doctors

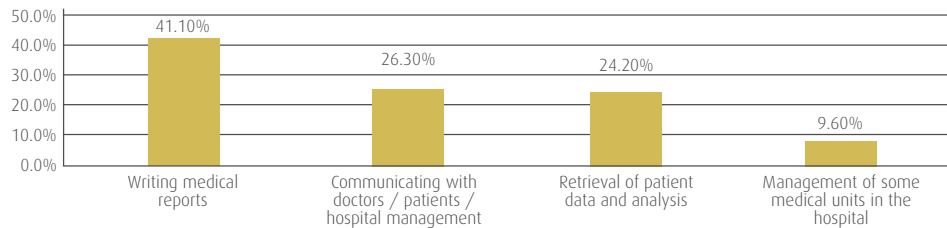
The proportion of doctors use computers reached around 90.6%, while with internet reached about 83.8%, however doctors use computers in hospitals reached 34.6%, but doctors use internet in hospitals reached 26.1%.



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

Activities undertaken by doctors using computers

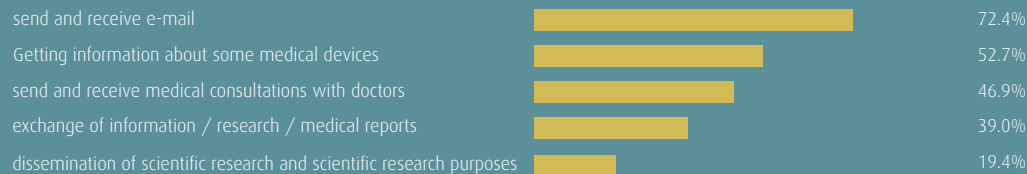
On the other side, the percentage of doctors who use the computer in writing medical reports about 41.1%, while 26.3% of the doctors using the computer in Communicating with doctors / patients / hospital management , 24.2% of the doctors using the computer in Retrieval of patient data and analysis and 9.6% in management of some medical units in the hospital.



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

Activities undertaken by doctors using Internet

Concerning the usage of internet for doctors, 19.4% of doctors use the internet in disseminating of scientific research and scientific research purposes, while 39% of doctors use it in exchanging of information / research / medical reports. 46.9% of doctors use the internet in sending and receiving medical consultations with doctors, however 52.7% use it in getting some information about some medical devices. For doctors using the internet in Sending and receiving e-mail reached about 72.4%.

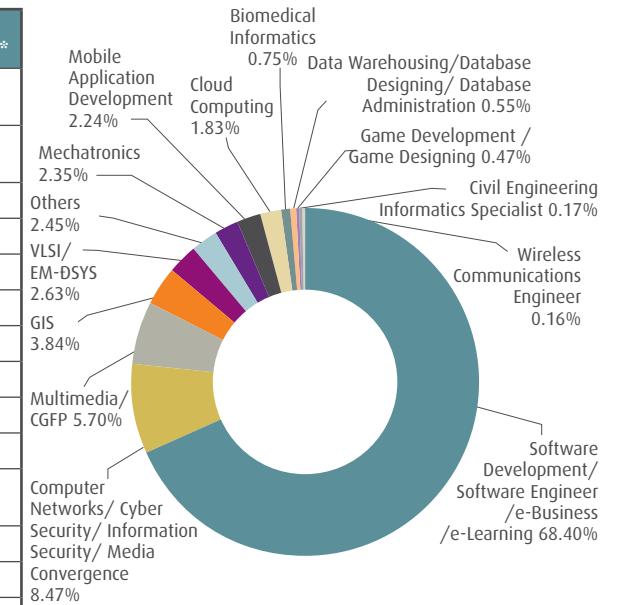


Source: "survey of ICT usage in Health Sector ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014.

Capacity Building Program Provided by Information Technology Institute (ITI)

Training Track	Sep. 2013	Sep. 2014*
Software Development / Software Engineer / e-Business / e-Learning	5533	6116
Computer Networks / Cyber Security / Information Security / Media Convergence	683	757
Multimedia / CGFP	499	510
GIS	331	343
VLSI / EM-SYS	223	235
Others	219	219
Mechatronics	196	210
Mobile Application Development	41	200
Cloud Computing	128	164
Biomedical Informatics	67	67
Data Warehousing / Database Designing / Database Administration	32	49
Game Development / Game Designing	16	42
Civil Engineering Informatics Specialist	..	15
Wireless Communications Engineer	..	14
Nano-Electronics	8	8
Total	7976	8949

* According to the latest figures.

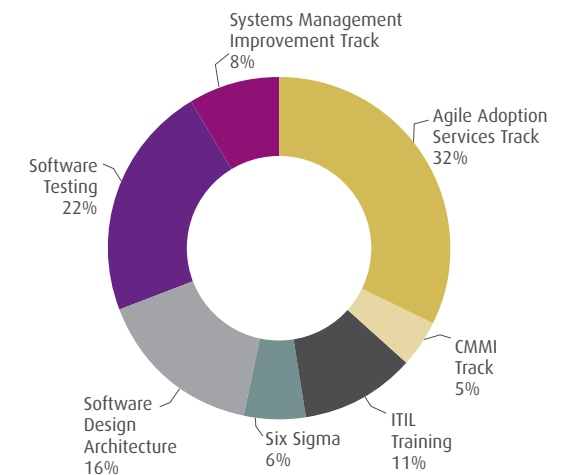


Source: Ministry of Communications and Information Technology (MCIT)- Information Technology Institute (ITI)

Capacity Building Program Provided by ITIDA *

The total number of graduates in the software field has reached 176 during Q1 2015, distributed as follows:

Track	Number of Attendees
Agile Adoption Services Track	57
CMMI Track	8
ITIL Training	19
Six Sigma	10
Software Design Architecture	28
Software Testing	39
Systems Management Improvement Track	15
Total	176



* It is worth mentioning that the total numbers of companies that achieved the CMMI accreditation levels have reached 58 companies.

Source: Ministry of communications and Information Technology (MCIT), Information Technology Industry Development Agency (ITIDA), Software Engineering Competence Center (SECC)

ICT Sector's Infrastructure Indicators

- Mobile subscribers reached to 95.99 million in January - March 2015, compared to 101.24 million in January - March 2014, representing an annual change rate of -5.18%.
- Mobile penetration reached to 111.18 % in January - March 2015, compared to 119.45% in January - March 2014, representing an annual change rate of -8.27%.
- Mobile Internet subscriptions increased to 23.31 million in January - March 2015, compared to 17.26 million in January - March 2014, representing an annual change rate of 35.05 %.
- USB Modem subscriptions increased to 4.22 million in January - March 2015 compared to in 3.79 million in January - March 2014 representing an annual change rate of 11.48 %.
- ADSL subscribers increased to 3.27 million in January - March 2015, compared to 2.77 million in January - March 2014, representing an annual change rate of 17.8%

ICT sectors' Role in Development

- The percentage of hospitals with fixed telephone reached 99% while the percentage of hospitals using computer reached 84.6%.
- The percentage of hospitals that has access to the internet Fixed broadband reached 50.1% .
- The percentage of doctors using computers 90.6%.
- The total number of Telecenters reached 15 Telecenters by the end of January - March 2015.
- The total number of graduates from the International Computer Driving License (ICDL) program reached 22178 graduates by the end of January - March 2015.
- The number of graduates to receive software training January - March 2015 was 176 graduates.