



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# Information and Communications Technology Indicators Bulletin

June 2018 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

## Indicators in Brief

Data item	Unit	Apr. Jun. 2017	Jan. Mar. 2018	Apr. Jun. 2018	Quarterly Growth Rate(%)	Annual Growth Rate(%)
<b>ICT Sector:Infrastructure Indicators</b>						
Mobile Subscriptions	Million	100.31	99.13	95.73	-3.43	-4.56
Mobile Penetration *	%	111.56	108.82	104.63	-4.19	-6.93
Fixed Line Subscriptions	Million	6.29	7.24	7.40	2.26	17.65
Fixed Line Penetration *	%	6.82	7.64	7.62	-0.02	0.80
Mobile Internet Subscriptions	Million	32.07	31.47	32.81	4.24	2.30
USB Modem Subscriptions	Million	3.28	2.15	3.48	61.77	6.20
ADSL Subscribers	Million	4.77	5.53	5.82	5.26	22.1
International Internet Bandwidth	Gbps	1,213.86	1,958.59	1,906.35	-2.67	57.05
Number of Post Offices	Post office	3937	3953	3958	0.13	0.53
<b>ICT Sector's Role in Development</b>						
Capacity Building Program Provided by ITIDA	Thousand Graduates	21.36	22.22	22.37	0.68	4.73

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

■ The number of internet users reached 37.9 million users with 44.3% penetration rate according to ICT access and use by households and individuals 2017/2018

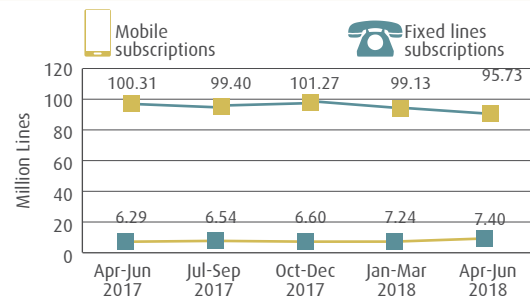
## ICT Sector's Infrastructure Indicators

- Mobile subscriptions (April - June 2018): 95.73 million
- Mobile penetration (April - June 2018): 104.63%
- Fixed line subscriptions (April - June 2018): 7.40 million
- Fixed line subscriptions in urban areas(April - June 2018): 5.85 million, rural areas 1.55 million
- Internet users through mobile(April - June 2018): 32.81 million
- USB Modem users(April - June 2018): 3.48 million users
- ADSL subscribers (April - June 2018): 5.82 million
- International Internet bandwidth (April - June 2018): 1,906.35 Gbps
- Number of post offices (April - June 2018): 3958 Post offices
- Number of beneficiaries of pensions' payment service through post offices(April - June 2018): 6.09 millio beneficiaries

### Fixed Lines and Mobile Subscriptions

■ The number of fixed line and mobile subscriptions was 103.13 million at the end of April - June 2018, compared to 106.60 million at the end of April - June 2017.

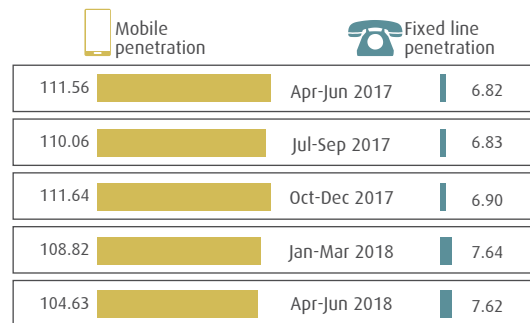
- The number of mobile subscriptions was 95.73 million at the end of April-June 2018, compared to 100.31 million at the end of April - June 2017. The mobile subscriptions recorded 93% of total telephone service.



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

### Fixed Line and Mobile Penetration

■ Mobile penetration reached 104.63% at the end of April - June 2018, compared to 111.56% at the end of April-June 2017, representing an annual change rate of -6.93%. On the other hand, fixed line penetration reached about 7.62% by the end of April - June 2018.

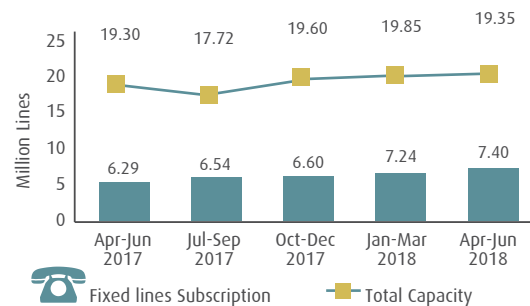


Source:Ministry of Communications and Information Technology, Telecom Egypt, National Telecom Regulatory Authority

### Fixed Lines Subscription and Local Exchange Capacity

■ Total number of fixed line subscriptions has reached 7.40 million subscriptions at the end of April - June 2018 compared to 6.29 million subscriptions at the end of April - June 2017.

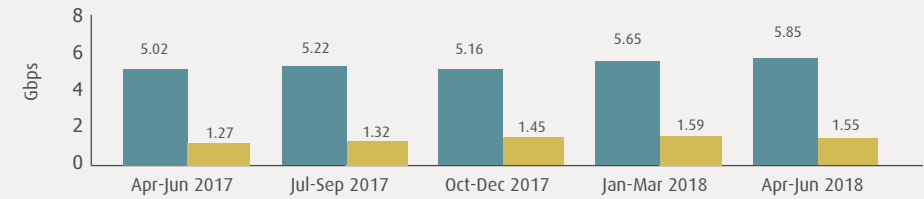
- The capacity of local exchanges increased to 19.35 million lines at the end of April - June 2018, compared to 19.30 million at the end of April - June 2017. This represents an annual change of 0.05 million lines and an annual change rate of 0.25%.



Source:Ministry of Communications and Information Technology, Telecom Egypt

### Fixed Lines Subscription (Urban - Rural)

- The Number of fixed line subscribers in urban areas reached 5.85 million subscribers by the end of April - June 2018, compared to 5.02 million subscribers by the end of April - June 2017, while the number of fixed line subscribers in rural areas reached 1.55 million subscribers by the end of April - June 2018, compared to 1.27 million subscribers by the end of April - June 2017.

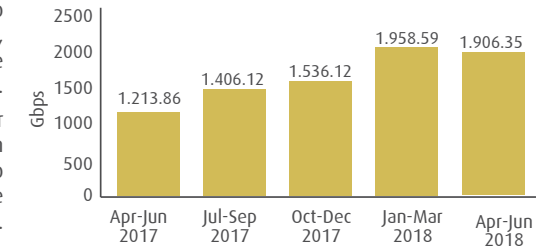


Source: Ministry of Communications and Information Technology, Telecom Egypt



### International Internet Bandwidth

- International Internet bandwidth increased to 1,906.35 Gbps at the end of April - June 2018, compared to 1,213.86 Gbps at the end of April - June 2017, representing an annual growth rate of 57.05%.
- The international internet bandwidth per inhabitants reached 20834.6 Bit/sec. per person at the end of April - June 2018, compared to 13500.4 Bit/Sec. per person at the end April - June 2017 with and annual growth rate of 54.33%.

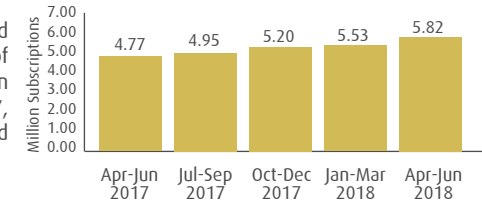


Source:Ministry of Communications and Information Technology,National Telecom Regulatory Authority



### ADSL Subscriptions

- The number of ADSL subscriptions reached 5.82 million subscriptions by the end of April - June 2018, compared to 4.77 million subscriptions at the end of April - June 2017, with an annual change 1.05 million and annual change rate 22.1 %.

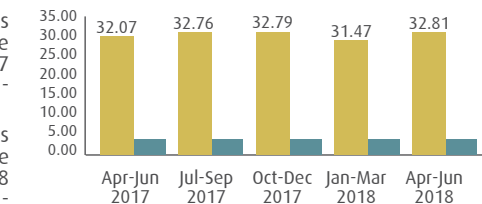


Source:Ministry of Communications and Information Technology, National Telecom Regulatory Authority



### Mobile Internet and USB Modem Subscriptions

- The number of mobile Internet subscriptions reached 32.81 million subscriptions by the end of April - June 2018, compared to 32.07 million subscriptions at the end of April - June 2017.
- The number of USB modem subscriptions reached 3.48 million subscriptions by the end of April - June 2018, compared to 3.28 million subscriptions at the end of April - June 2017.

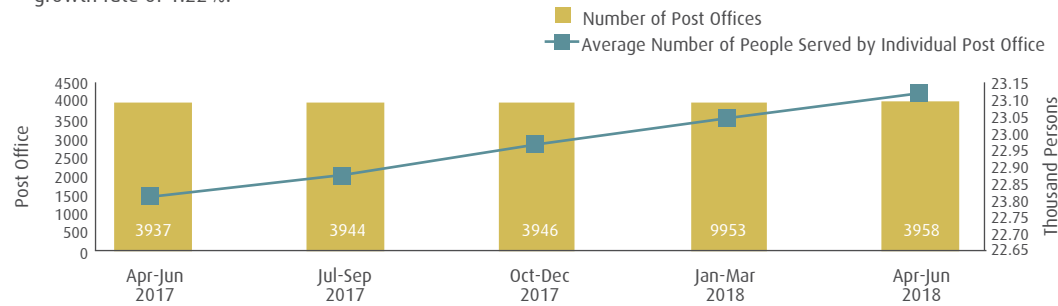


Source:Ministry of Communications and Information Technology, National Telecom Regulatory Authority

■ Mobile Internet Subscriptions  
■ USB Modem Subscriptions

## Post Offices

- The total number of post offices increased to 3958 at the end of April - June 2018, compared to 3937 at the end of April - June 2017, reflecting an annual growth rate of 0.53%.
- The average number of people served by individual post offices was 23,118 thousand persons at the end of April - June 2018, compared to 22,838 thousand persons at the end of April - June 2017, representing an annual growth rate of 1.22%.

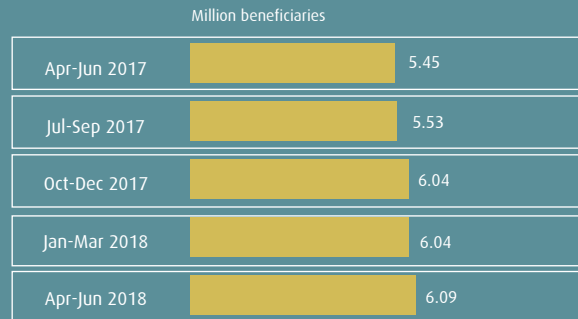


Source: Ministry of Communications and Information Technology, Egypt Post

## Number of Pensions Distributed through Postal Offices



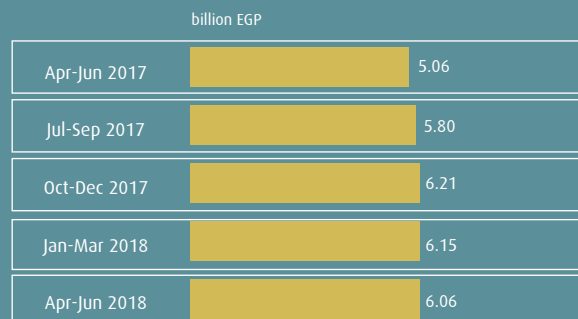
- Number of beneficiaries of pensions distributed through postal offices has increased to about 6.09 million beneficiaries in April - June 2018, compared to 5.45 million beneficiaries in April - June 2017.



Source: Ministry of Communications and Information Technology, Egypt Post

## Number of Pensions Distributed through Postal Offices

- The value of pensions distributed through postal offices reached 6.06 billion EGP beneficiaries in April - June 2018, compared to 5.06 billion EGP in April - June 2017.



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 330 companies in April - June 2018, compared to 302 companies in April-June 2017.
- Number of issued capital of newly established ICT companies reached 319.77 million EGP in April - June 2018, compared to 234.62 million EGP in April-June 2017.

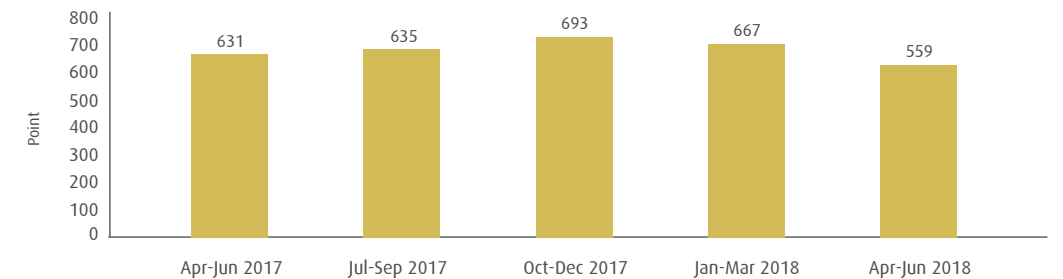
		Apr-Jun 2018
Total number of newly established ICT companies	Companies	330
Total number of issued capital of newly established ICT companies	Million EGP	319.77

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



## Egypt's Stock Exchange Telecommunications Index \*

- The telecommunications index in Egypt's stock exchange reached 559 points during April - June 2018, compared to 631 points during April - June 2017.



This index includes three companies operating in the ICT Sector and listed in Egypt Stock Exchange. These companies are: Telecom Egypt, Global Telecom Holding, Orascom Telecom Media And Technology Holding.

\* There are a number of differences between the values shown above and the values previously published, as the Egyptian Exchange (EGX), started to publish the monthly value of the index based on the value on the last trading day of the month, while the monthly values published previously were calculated by the Ministry of Communications and Information Technology (MCIT), according to the average of the daily index values during the month.

Source: EGX

# The ICT Sector's Role in Development

- Proportion of hospitals using computer: 89.7%
- Proportion hospitals with LAN: 55.6%
- Proportion hospital using computer for management and analysis of database of patients: 67.5%
- Proportion hospitals using internet in exchanging of information/research/medical reports: 29.9%
- Proportion of doctors using computer for writing medical reports: 42.9%
- Proportion of doctors using internet for exchanging of information / research / medical reports: 43.9%
- Number of graduates to receive software training by ITIDA till March 2018: 22.37 thousand trainees
- Number of graduates of ITI till December 2017: 11.54 thousand trainees

## Infrastructure for ICT Usage in Hospitals

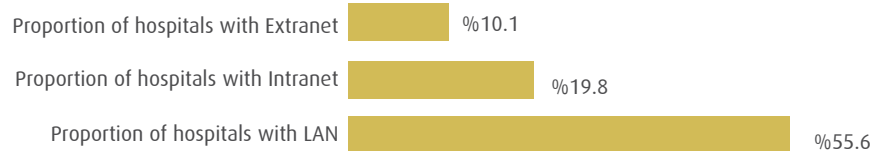
- The proportion of hospitals with fixed telephone reached around 96.5%, while with a mobile reached about 60.1%, and hospitals with a computer reached 89.7%. However, hospitals with internet access reached 69.7%.



Source: "survey of ICT usage in Health Sector", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2017-2018.

## Network Usage in Hospitals

- The proportion of hospitals with a LAN reached about 55.6%, while hospitals that have Intranet reached 19.8% and with an extranet about 10.1%.



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), 2017-2018.

## Computers Activities in Hospitals

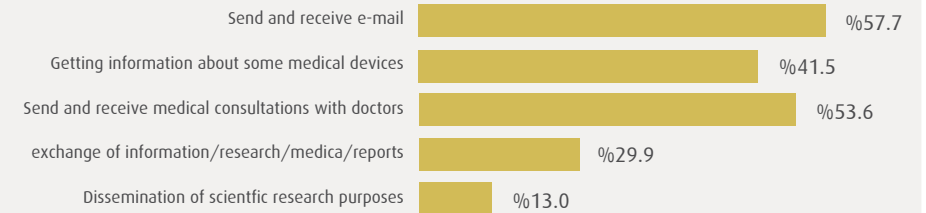
- On the other side, the percentage of hospitals that use computers in management and analysis of databases and recording data for patients is 67.5% & 69.9% respectively, while 59.2% of the hospitals used computers in management units within the hospital and 55.3% in writing medical reports.



Source: "survey of ICT usage in Health Sector", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2017-2018.

## Internet Activities in Hospitals

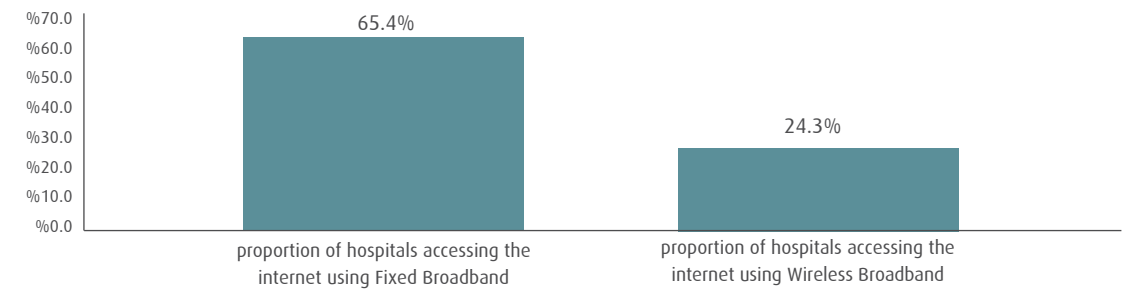
- Concerning hospitals usage of internet, 13% of the hospitals use the Internet in disseminating scientific research and scientific research purposes, while 29.9% of the hospitals use it in exchanging information/ research/ medical reports. 53.6% of the hospitals use the Internet in sending and receiving medical consultations with doctors, however 41.5% use it in getting some information about some medical devices. For hospitals using the internet in sending and receiving e-mail reached about 57.7%.



Source: "survey of ICT usage in Health Sector", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2017-2018.

## Hospitals Using Internet according to Access Mode

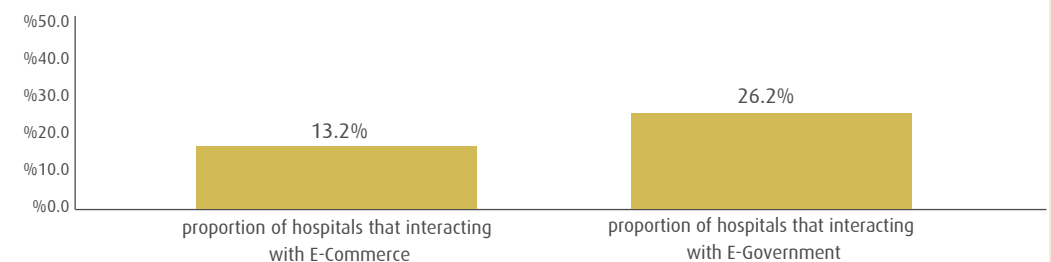
- The proportion of hospitals that access the Internet using fixed broadband reached 65.4% and hospitals accessing the Internet using wireless broadband 24.3%.



Source: "Survey of ICT Usage by Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016/2017.

## Hospitals deal with E-government and E-commerce

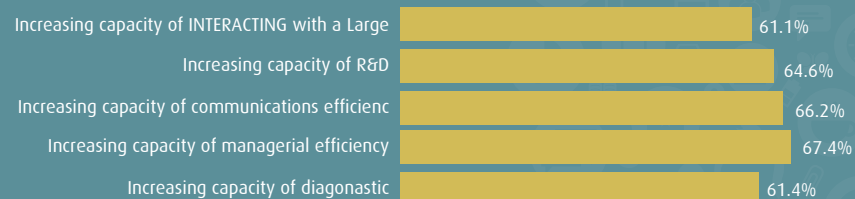
- The proportion of hospitals that interact with the e-government, its proportion accounted for 26.9%, while those who interact with e-commerce accounted for 13.2%.



Source: "survey of ICT usage in Health Sector", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2017-2018.

## Impact of Using ICT in the Health Processes

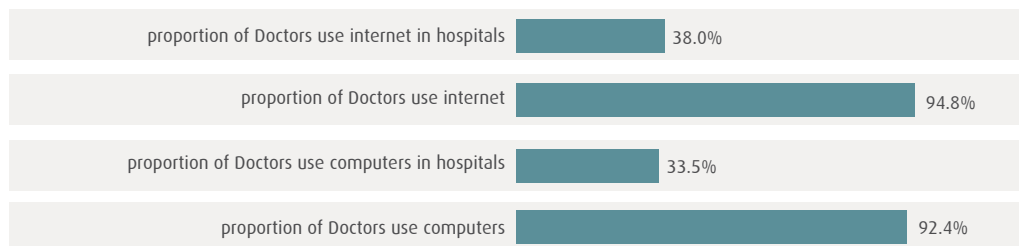
- The proportion of hospitals pointed out that the use of ICT tools in health processes has positive effect in (Increasing capacity of diagnostic) is 61.4%, (Increasing capacity of managerial efficiency) 67.4%, (Increasing capacity of communications efficiency) 66.2%, (Increasing capacity of R&D ) 64.6% and (Increasing capacity of INTERACTING with a large number of patients) 61.1%.



Source: "survey of ICT usage in Health Sector", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2018-2017

## ICT Usage by Physicians

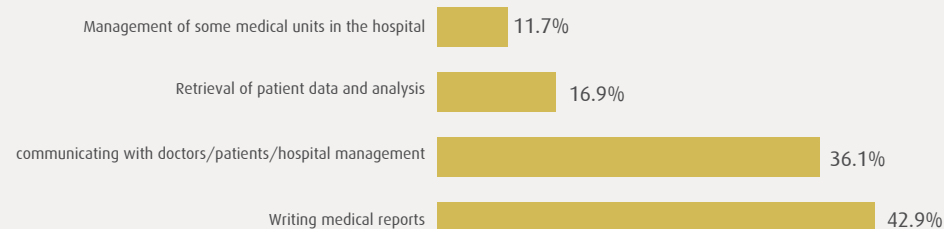
- The proportion of physicians using computers reached around 92.4%, while with Internet reached about 94.8%, however physicians using computers in hospitals reached 33.5%, and physicians using Internet in hospitals reached 38%.



Source: "survey of ICT usage in Health Sector", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2017-2018

## Computers activities for doctors

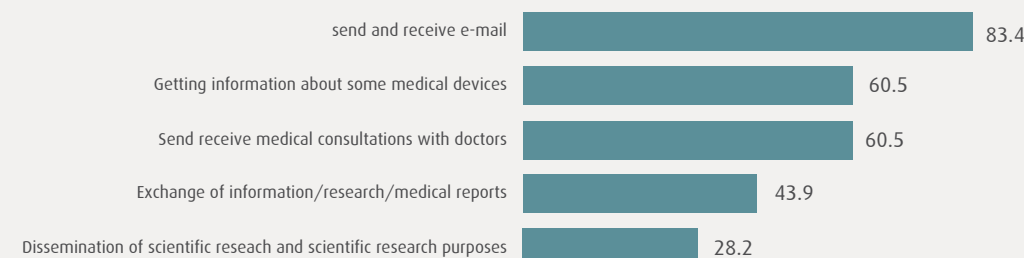
- On the other side, the percentage of physicians who use computers in writing medical reports about 42.9%, while 36.1% of physicians using computers in communicating with physicians/patients /hospital management, 16.9% of physicians using computers in retrieval of patient data and analysis and 11.7% in management of some medical units in the hospital.



\*Source: "survey of ICT usage in Health Sector", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2017-2018

## Internet activities for doctors

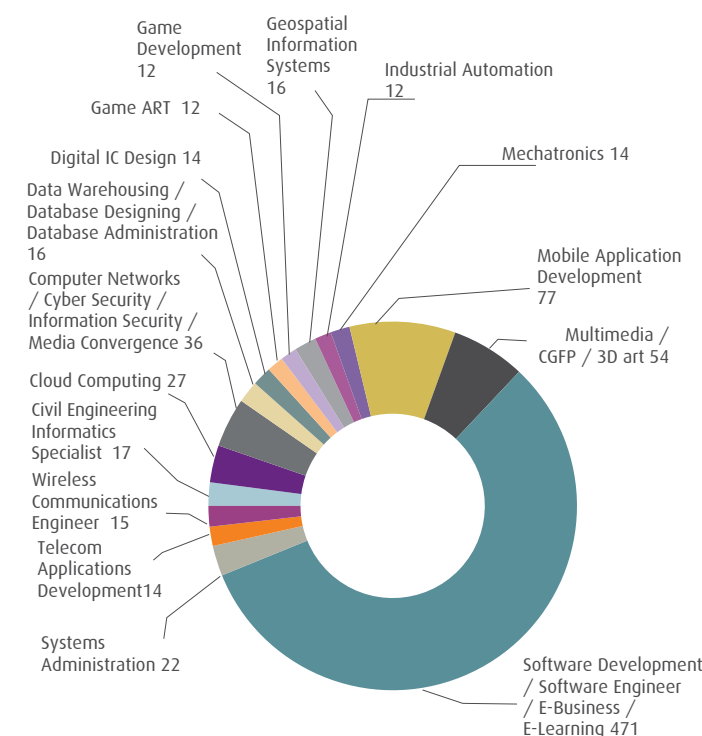
- Concerning the usage of Internet for physicians, 43.9% of physicians use it in exchanging of information/research/medical reports. While 60.5% of physicians use the Internet in sending and receiving medical consultations with physicians and in also getting some information about some medical devices, 83.4% of physicians using the Internet in sending and receiving e-mail and 28.2% of physicians use the Internet in disseminating scientific research and scientific research purposes.



\*Source: "Survey of ICT Usage by Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016/2017.

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

Training Track	2017
Civil Engineering Informatics Specialist	17
Cloud Computing	27
Computer Networks / Cyber Security / Information Security / Media Convergence	36
Data Warehousing / Database Designing / Database Administration	16
Digital IC Design	14
Game Art	12
Game Development	12
Geospatial Information Systems	16
Industrial Automation	12
Mechatronics	14
Mobile Application Development	77
Multimedia / CGFP / 3D art	54
Software Development / Software Engineer / E-Business / E-Learning	471
Systems Administration	22
Telecom Applications Development	14
Wireless Communications Engineer	15
<b>Total</b>	<b>829</b>



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

\* According to the latest figures.

## Infrastructure Indicators

- Mobile subscribers reached 95.73 million in April-June 2018, compared to 100.31 million in April-June 2017, representing an annual change rate of -4.56%.
- Mobile penetration reached 104.63 % in April-June 2018, compared to 111.56% in April-June 2017, representing an annual change rate of -6.93%.
- Mobile Internet subscriptions reached 32.81 million in April-June 2018, compared to 32.07 million in April- June 2017, representing an annual change rate of 2.30 %.
- USB modem subscriptions reached 3.48 million in April- June 2018, compared to in 3.28 million in April-June 2017, representing an annual change rate of 6.20 %.
- ADSL subscribers increased 5.82 million in April - June 2018, compared to 4.77 million in April- June 2017, representing an annual change rate of 22.1%.

## ICT Sectors Role in Development

- The percentage of hospitals with Internet access reached 69.7% while the percentage of hospitals accessing the Internet using fixed broadband reached 65.4%.
- The percentage of hospitals dealing with e-government reached 26.9% while the percentage of hospitals dealing with e-commerce reached 13.2%.
- The proportion of hospitals pointed out that use of ICT tools in health processes has positive effect in (increasing capacity of diagnostic) is 61.4% and (increasing capacity of managerial efficiency) is 67.4%.
- The number of ITI graduates to receive software training till April- June 2018 reached 11.54 thousand trainees.
- The number of graduates to receive software training till April - June 2018: 22.37 thousand graduates.