



Arab Republic of Egypt
Ministry of Communications
and Information Technology

Information and Communications Technology Indicators Bulletin

December 2018 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

Indicators in Brief

Data item	Unit	October - December 2017	July - September 2018	October - December 2018	Quarterly Growth Rate (%)	Annual Growth Rate (%)
ICT Sector: Infrastructure Indicators						
Mobile Subscriptions	Million	101.27	94.59	93.78	-0.85	-7.39
Mobile Penetration *	%	111.64	102.93	101.62	-1.31	-10.03
Fixed Line Subscriptions	Million	6.60	7.59	7.87	3.64	19.08
Fixed Line Penetration *	%	6.90	7.61	7.59	-0.02	0.69
Mobile Internet Subscriptions	Million	32.79	33.34	35.06	5.17	6.93
USB Modem Subscriptions	Million	3.26	3.36	3.21	-4.30	-1.59
ADSL Subscribers	Million	5.20	6.21	6.53	5.28	25.7
International Internet Bandwidth	Gbps	1,536.12	2,347.74	2,397.07	2.10	56.05
Number of Post Offices	Post office	3946	3967	3973	0.15	0.68
ICT Sector's Role in Development						
Capacity Building Program Provided by ITIDA	Thousand Graduates	21.90	22.73	23.13	1.76	5.62

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

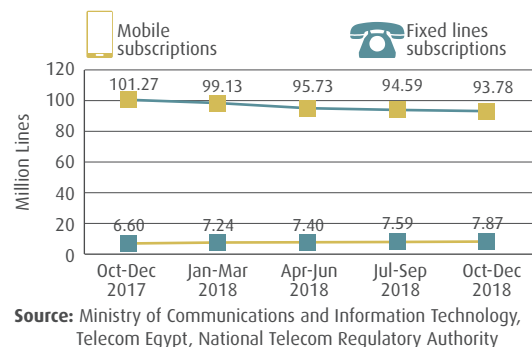
■ The number of internet users reached 37.9 Million users with 44.3% penetration rate, according to ICT access and use by households and individuals 2017/2018

ICT Sector's Infrastructure Indicators

- Mobile subscriptions (October - December 2018): 93.78 million
- Mobile penetration (October - December 2018): 101.62%
- Fixed line subscriptions (October - December 2018): 7.87 million
- Fixed line subscriptions in urban areas(October - December 2018): 5.94 million, rural areas 1.93 million
- Internet users through mobile(October - December 2018): 35.06 million
- USB Modem users(October - December 2018): 3.21 million users
- ADSL subscribers (October - December 2018): 6.53 million
- International Internet bandwidth (October - December 2018): 2,397.07 Gbps
- Number of post offices (October - December 2018): 3973 Post offices
- Number of beneficiaries of pensions payment service through post offices(October - December 2018): 5.71 million beneficiary

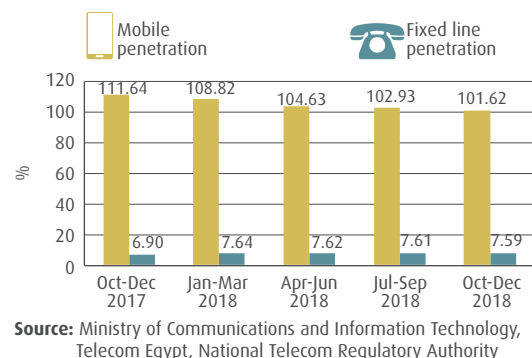
Fixed Lines and Mobile Subscriptions

- The number of fixed lines and mobile subscriptions was 101.65 million at the end of October - December 2018, compared to 107.87 million at the end of October - December 2017.
- The number of mobile subscriptions was 93.78 million at the end of October - December 2018, compared to 101.27 million at the end of October - December 2017. Mobile subscriptions recorded 93% of total telephone service.



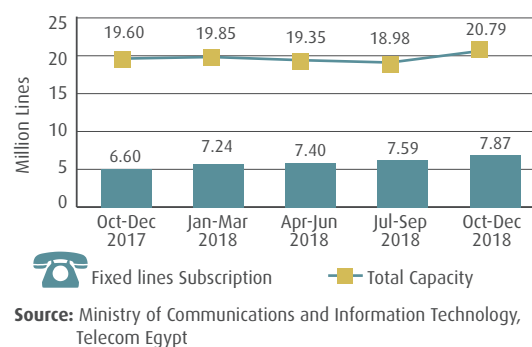
Fixed Line and Mobile Penetration

- Mobile penetration reached 101.62% at the end of October - December 2018, compared to 111.64% at the end of October - December 2017, representing an annual change rate of -10.03%. On the other hand, fixed line penetration reached about 7.59% by the end of October - December 2018.



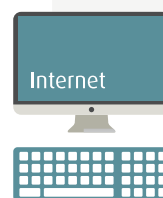
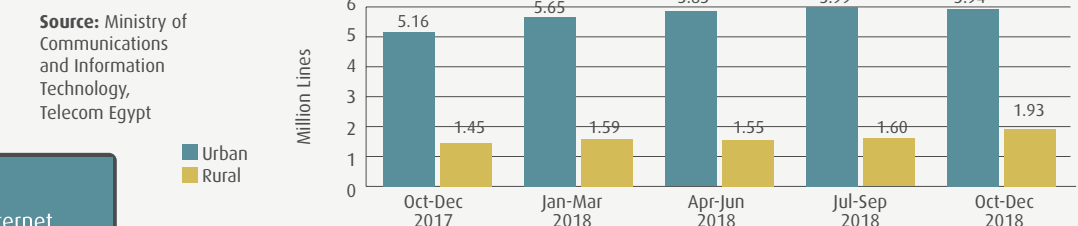
Fixed Lines Subscription and Local Exchange Capacity

- The total number of fixed line subscriptions reached 7.87 million subscriptions at the end of October - December 2018 compared to 6.60 million subscriptions at the end of October - December 2017.
- The capacity of local exchanges increased to 20.79 million lines at the end of October - December 2018, compared to 19.60 million at the end of October - December 2017. This represents an annual change of 1.19 million lines and an annual change rate of 6.05%.



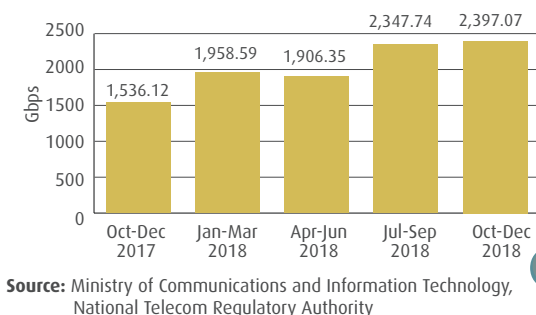
Fixed Lines Subscription (Urban - Rural)

- The Number of fixed line subscribers in urban areas reached 5.94 million subscribers by the end of October - December 2018 compared to 5.16 million subscribers by the end of October - December 2017 while the number of fixed line subscribers in rural areas reached 1.93 million subscribers by the end of October - December 2018 compared to 1.45 million subscribers by the end of October - December 2017.



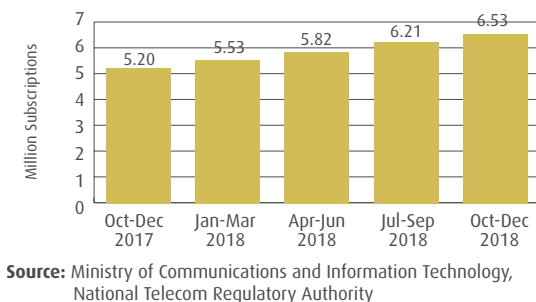
International Internet Bandwidth

- International Internet bandwidth increased to 2,397.07 Gbps at the end of October - December 2018 compared to 1,536.12 Gbps at the end of October - December 2017 representing an annual growth rate of 56.05%.
- The international Internet bandwidth per inhabitants reached 25,972.51 Bit/Sec. per person at the end of October - December 2018, compared to 16,935.10 Bit/Sec. per person at the end October - December 2017 with an annual growth rate of 53.36%.



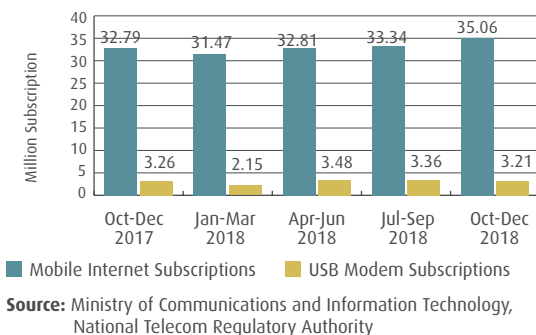
ADSL Subscriptions

- The number of ADSL subscriptions reached 6.53 million subscriptions by the end of October - December 2018 compared to 5.20 million subscriptions at the end of October - December 2017 with an annual change 1.34 million and annual change rate 25.7%.

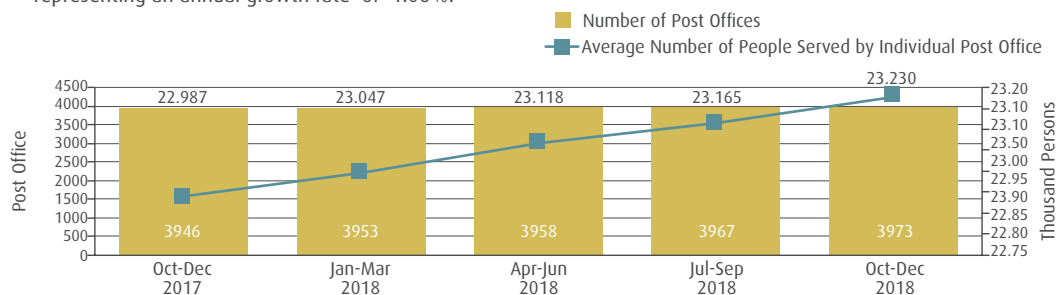


Mobile Internet and USB Modem Subscriptions

- The number of mobile internet subscriptions reached 35.06 million subscriptions by the end of October - December 2018 compared to 32.79 million subscriptions at the end of October - December 2017.
- The number of USB modem subscriptions reached 3.21 million subscriptions by the end of October - December 2018 compared to 3.26 million subscriptions at the end of October - December 2017.



- The total number of post offices increased to 3973 at the end of October - December 2018, compared to 3946 at the end of October - December 2017, reflecting an annual growth rate of 0.68%.
- The average number of people served by individual post offices was 23,230 thousand persons at the end of October - December 2018, compared to 22,987 thousand persons at the end of October - December 2017, representing an annual growth rate of 1.06%.

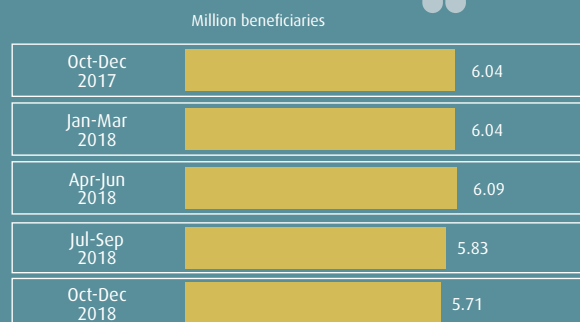


Source: Ministry of Communications and Information Technology, Egypt Post



Number of Pensions Distributed Through Postal Offices

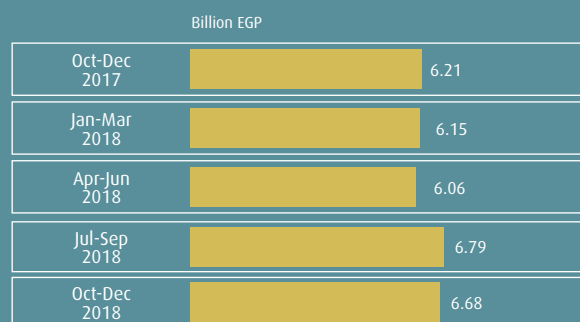
- Number of beneficiaries of pensions distributed through postal offices has increased to about 5.71 million beneficiaries in October - December 2018 compared to 6.04 million beneficiaries in October - December 2017.



Source: Ministry of Communications and Information Technology, Egypt Post

Value of Pensions Distributed Through Postal Offices

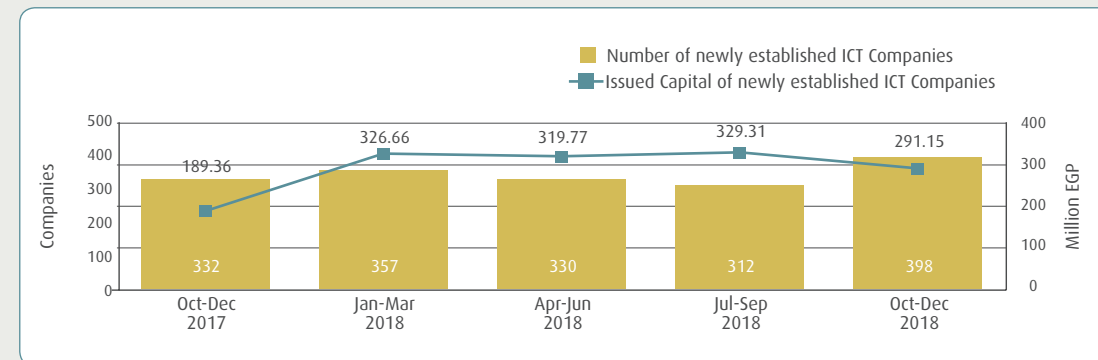
- The value of pensions distributed through postal offices reached 6.68 billion EGP beneficiaries in October - December 2018 compared to 6.21 billion EGP in October - December 2017.



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 398 companies in October - December 2018 compared to 332 companies in October - December 2017.
- Number of issued capital of newly established ICT companies reached 291.15 million EGP in October - December 2018 compared to 198.36 million EGP in October - December 2017.

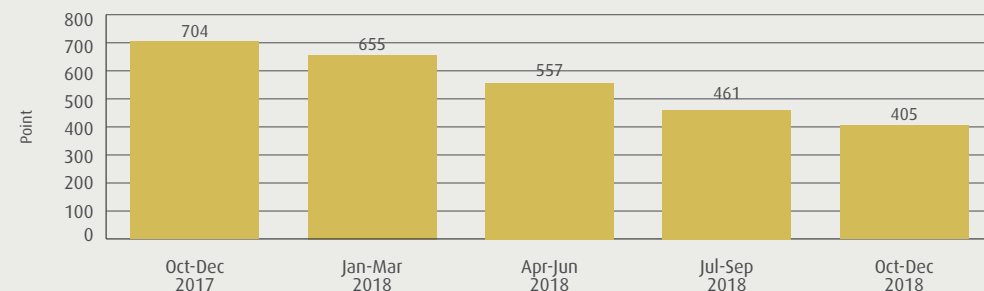


Source: Ministry of Investment, General Authority for Investment, and Free Zones



Egypt's Stock Exchange Telecommunications Index *

- The telecommunications index in Egypt's Stock Exchange reached 405 points during October - December 2018 compared to 704 points during October - December 2017.



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

* It is worth mentioning that there are differences between the values shown above and the values previously published, as Egypt's Stock Exchange 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 according to the average of the daily index values during the month.

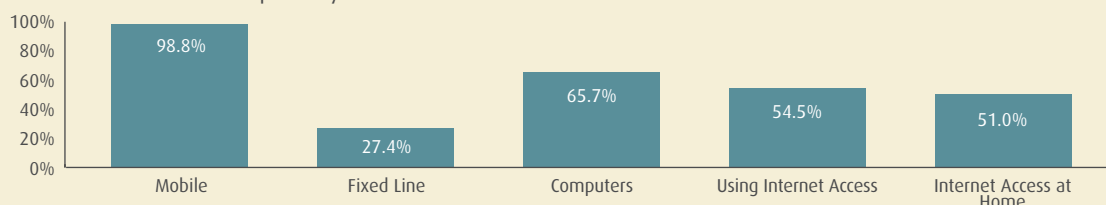
Source: Egyptian Exchange

The ICT Sector's Role in Development

- Proportion of households using internet 54.5%
- Proportion of households accessing the internet from home: 41%
- Proportion of individuals using internet: 48%
- Proportion of individuals using internet from home: 94.6%
- Proportion of individuals using internet in sending and receiving e-mail: 85.3%
- Proportion of individuals using internet in daily basis: 66.4%
- Number of graduates to receive software training by ITIDA till March 2018: 23.13 thousand trainees
- Number of graduates of ITI till September 2018: 12.18 thousand trainees

Infrastructure for The Use of Communications and Information Technology in Egyptian Household

■ The proportion of households with a cell phone is about 98.8%, while 27.4% of households have a fixed line, followed by households using computer 65.7%, and the proportion of households using internet and have Internet access at home are 54.5% and 51% respectively.



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), 2018-2019, including 15,000 households.

Households Internet Access at Home by Access Mode

■ The Proportion of households with Internet access at home using fixed broadband is 41% while 37% of households are using mobile broadband.

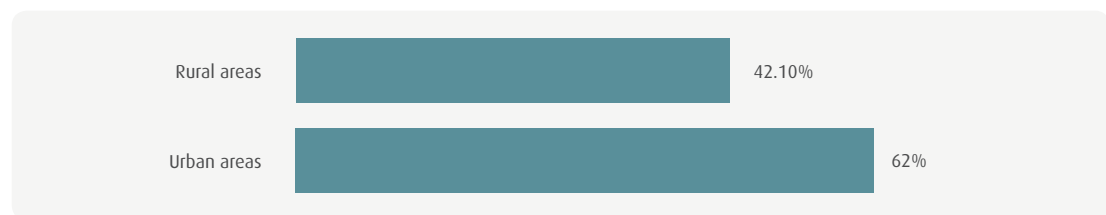


*% of total household

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), 2018-2019, including 15,000 households

Households Using Internet from Home According to (Rural/Urban)

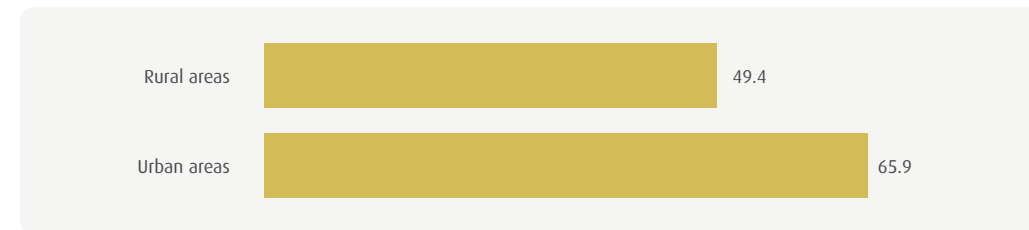
■ The proportion of households using Internet from home in urban areas is 62%, while the proportion of households in rural areas is 42.1%.



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), 2018-2019, including 15,000 households.

Households with computer according to (urban/ rural)

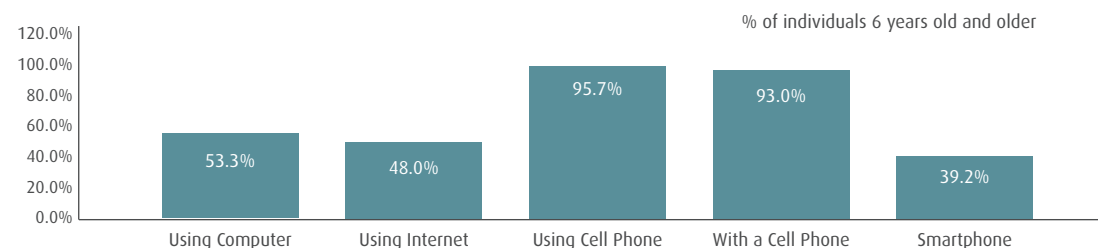
The proportion of households with computer in urban is 65.9%, while the proportion of household in rural areas is 49.4%.



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), 2018-2019, including 15,000 households.

ICT Usage for Individuals

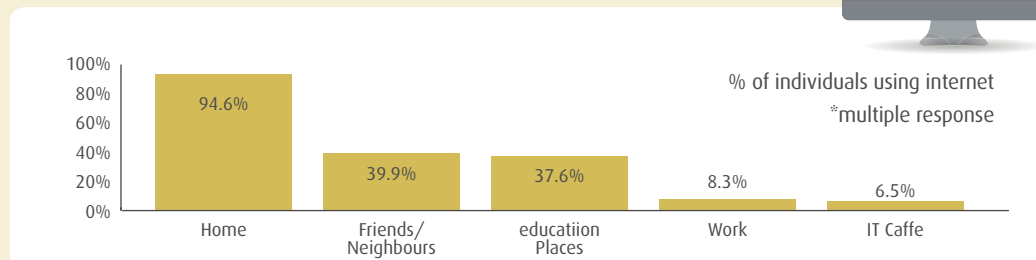
The proportion of individuals using computer is 53.3%, while the proportion of individuals using Internet is 48%, and the proportions of individuals using and owning cell phone are 95.7% & 93% respectively, followed by those owning smart phone is 39.2%.



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), 2018-2019, including 15,000 households

Internet Usage by Location

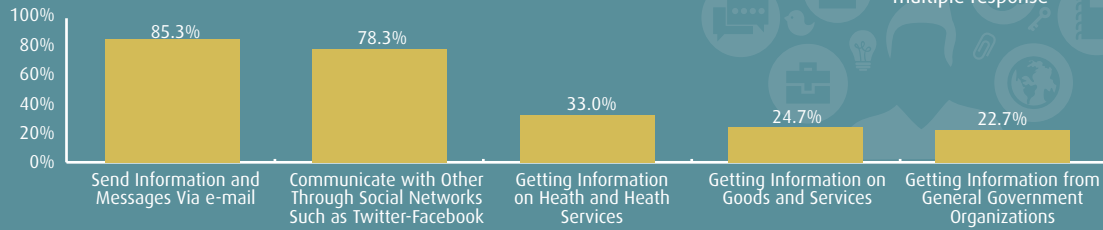
■ The proportion of individuals who access Internet at home is 94.6%, while the proportion of individuals who access internet from (friends/neighbors) is 39.9%, and 37.6% in educational places, followed by the proportion of those accessing internet at work and IT Cafe are 8.3% & 6.5% respectively.



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), 2018-2019, including 15,000 households

Internet activities

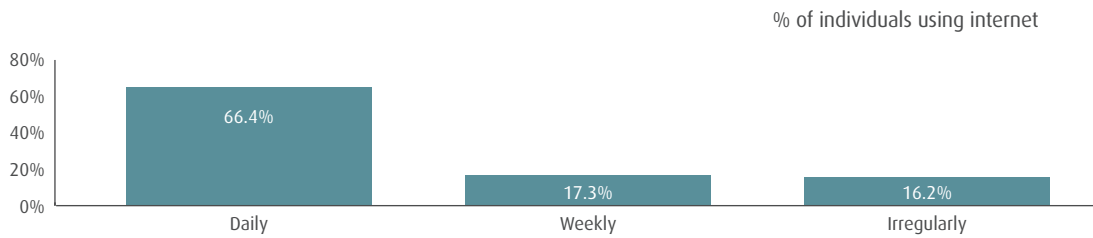
The proportion of individuals using internet in sending and receiving e-mails is 85.3%, while the proportion of those using Internet in communication through social networks, such as Twitter and Facebook is 78.3%, followed by those who use it for searching information on health and health services is 33%, getting information on goods and services is 24.7%, followed by getting information from general government organizations 22.7%



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), 2018-2019, including 15,000 households

Frequency of using internet

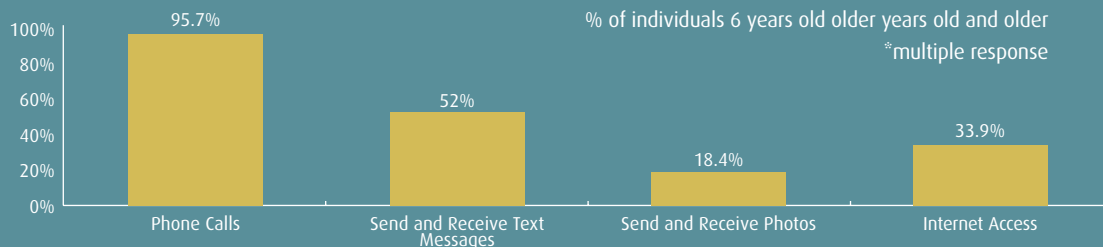
The proportion of individuals who use internet daily is 66.4%, while 17.3% use internet weekly and 16.2% use it irregularly.



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), 2018-2019, including 15,000 households

Mobile Phone Activities by Individuals

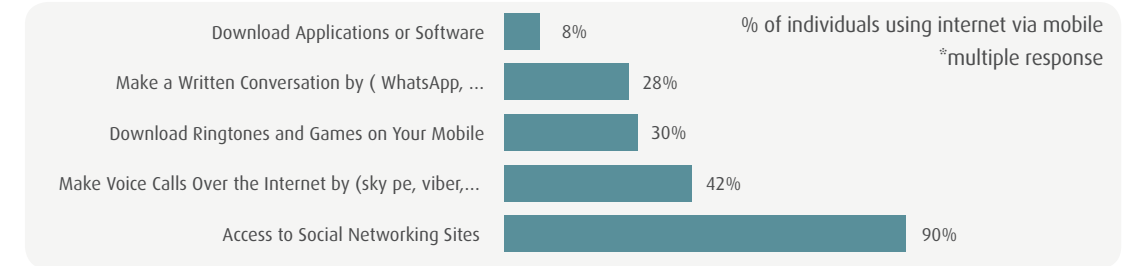
The proportion of individuals who use cell phone to make phone calls is 95.7%, while the proportion of those who use it to send and receive text messages is 51.9%, followed by the proportion of Internet access is 33.9%.



Source: "survey of ICT usage by households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central

Internet Activities Via Mobile

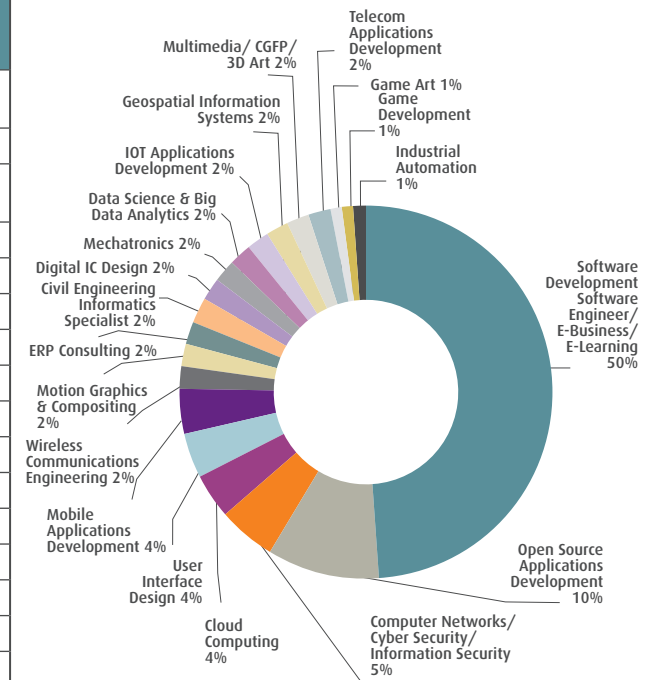
The proportion of individuals who access social media is 90%, while the proportion of those who make voice calls through Internet (Skype, Viber, WhatsApp, etc.) is 42%, followed by the proportion of downloading ringtones and games on mobile phones & texting through apps (WhatsApp, Facebook Messenger, Viber) is 30% & 28% respectively, and downloading applications or software is 8%.



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), 2018-2019, including 15,000 households

Number of Graduates of Capacity Building Program Provided by The Information Technology Institute (ITI)

Training Track	July-Sep. 2018
Software Development / Software Engineering / E-Business / E-Learning	465
Open Source Applications Development	93
Computer Networks / Cyber Security / Information Security	47
Cloud Computing	38
User Interface Design	38
Mobile Applications Development	36
Wireless Communications Engineering	20
Motion Graphics & Compositing	19
Civil Engineering Informatics Specialist	16
Digital IC Design	16
ERP Consulting	16
Mechatronics	16
Data Science & Big Data Analytics	15
IOT Applications Development	15
Multimedia / CGFP / 3D art	15
Geospatial Information Systems	14
Telecom Applications Development	14
Game Art	13
Game Development	13
Industrial Automation	12
Total	931



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

*According to the latest figures.

ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 93.78 million in October - December 2018, compared to 101.27 million in October - December 2017, representing an annual change rate of -7.39%.
- Mobile penetration reached 101.62% in October - December 2018, compared to 111.64% in October - December 2017, representing an annual change rate of -10.03%.
- Mobile Internet subscriptions reached to 35.06 million in October - December 2018, compared to 32.79 million in October - December 2017, representing an annual change rate of 6.93%.
- USB Modem subscriptions reached to 3.21 million in October - December 2018 compared to in 3.26 million in October - December 2017 representing an annual change rate of -1.59%.
- ADSL subscribers increased to 6.53 million in October - December 2018, compared to 5.20 million in October - December 2017, representing an annual change rate of 25.7%.

ICT Sector's Role in Development

- The percentage of households using computer reached 65.7% while the percentage of households accessing Internet from home reached 51%.
- The percentage of households accessing Internet from home in urban areas reached 62%. while in rural areas reached 42%.
- The percentage of individuals using computer reached 53.3% while individuals using mobile phones reached 95.7%.
- The number of ITI graduates till October - December 2018 reached 12.18 thousand trainees.
- The number of graduates to receive software training till October - December 2018: 23.13 thousand graduates.