



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# ICT Indicators Bulletin

March 2020 | Quarterly Issue



ICT Sector's Infrastructure Indicators

The ICT Sector's Role in Development

# Indicators in Brief

Data Item	Unit	January - March 2019	October - December 2019	January - March 2020	Quarterly growth rate (%)	Annual growth rate (%)
<b>ICT Sector: Infrastructure Indicators</b>						
Mobile Subscriptions	Million	93.42	95.34	96.42	1.13	3.20
Mobile Penetration*	%	94.78	95.38	96.01	0.63	1.22
Fixed Line Subscriptions	Million	8.09	8.76	9.52	8.72	17.68
Fixed Line Penetration*	%	7.58	7.70	7.72	0.02	0.14
Mobile Internet Subscriptions**	Million	35.06	38.17	39.00	2.19	11.23
USB Modem Subscriptions**	Million	3.21	3.56	3.60	1.24	12.06
ADSL Subscribers	Million	6.82	7.30	7.53	3.27	10.4
International Internet Bandwidth **	Gbps	2,397.07	2,576.30	2,565.78	-0.41	7.04
Number of Post Offices	Post office	3977	3982	3986	0.10	0.23
<b>ICT Sector's Role in Development</b>						
Capacity Building Program Provided by ITIDA	Thousand Graduates	23,41	24,93	25,23	1.20	7.77

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

\*\* (October – December 2019) Data

- The number of Internet users reached 48.5 million users with 55.7% penetration rate according to the "ICT access and use by households and individuals 2019/2020" survey.

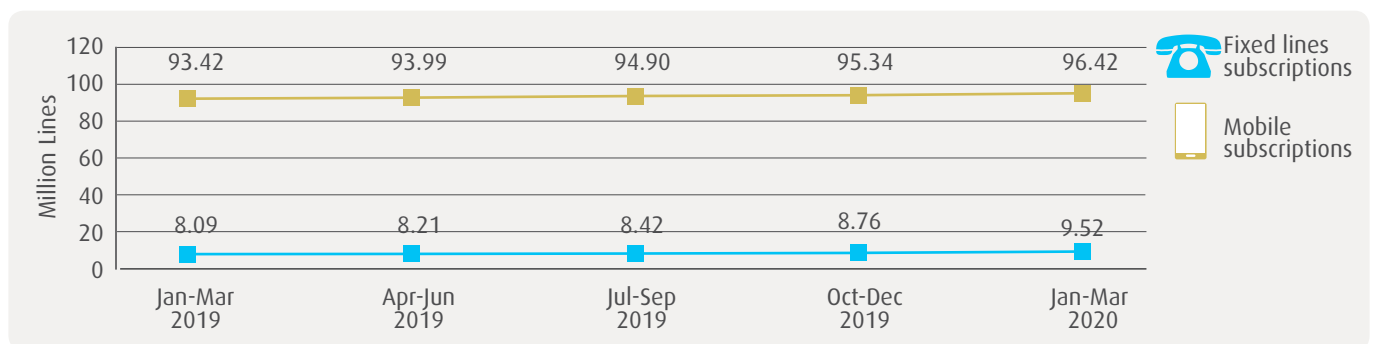
# ICT Sector's Infrastructure Indicators

- Mobile subscriptions (January - March 2020): 96.42 million
- Mobile penetration (January - March 2020): 96.01%
- Fixed line subscriptions (January - March 2020): 9.52 million
- Fixed line subscriptions in urban areas (January - March 2020): 7.39 million, rural areas 2.13 million
- Internet users through mobile (October - December 2019): 39.00 million
- USB Modem users (October - December 2019): 3.60 million users
- ADSL subscribers (January - March 2020): 7.30 million
- International Internet bandwidth (October - December 2019): 2,565.78 Gbps
- Number of post offices (January - March 2020): 3986 Post offices
- Number of beneficiaries of pensions' payment service through post offices (January - March 2020): 5.39 million beneficiary



## Fixed Lines and Mobile Subscriptions

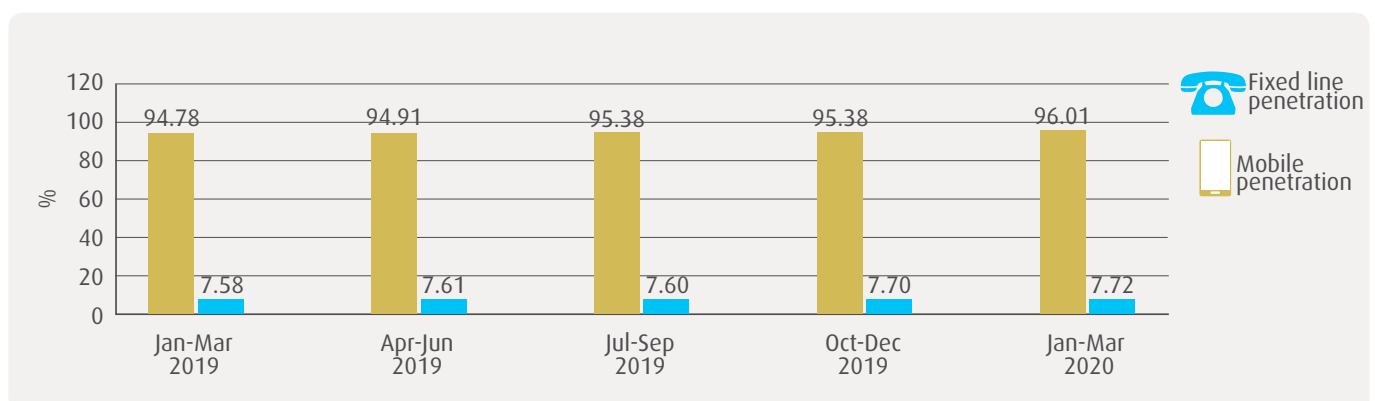
- The number of fixed line and mobile subscriptions was 105.94 million at the end of January - March 2020, compared to 101.52 million at the end of January - March 2019.
- The number of mobile subscriptions was 96.42 million, at the end of January - March 2020, compared to 93.42 million at the end of January - March 2019. The mobile subscriptions recorded 91% of total telephone service.



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

## Fixed Line and Mobile Penetration

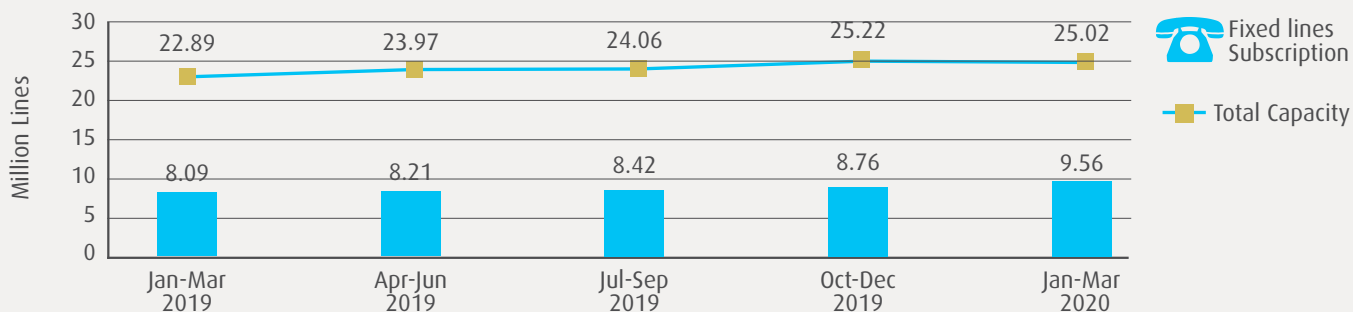
- Mobile penetration reached 96.01% at the end of January - March 2020, compared to 94.78% at the end of January - March 2019, representing an annual change rate of 1.22%. On the other hand, fixed line penetration reached about 7.72% by the end of January - March 2020.



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

## Fixed Lines Subscription and Local Exchange Capacity

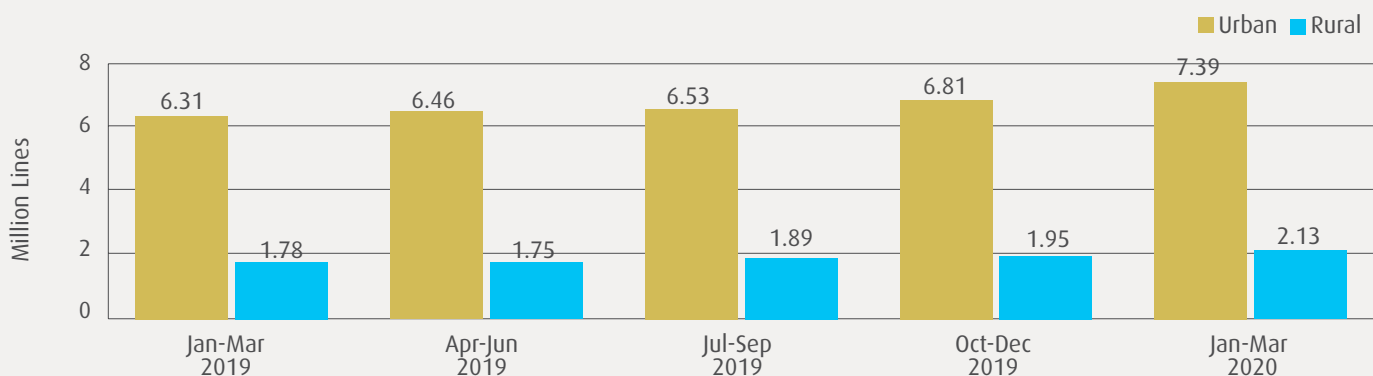
- Total number of fixed line subscriptions reached 9.52 million, at the end of January - March 2020, compared to 8.09 million, at the end of January - March 2019.
- The capacity of local exchanges increased to 25.02 million lines at the end of January - March 2020, compared to 22.89 million at the end of January - March 2019. This represents an annual change of 2.13 million lines and an annual change rate of 9.29%.



Source: Ministry of Communications and Information Technology, Telecom Egypt

## Fixed Lines Subscription (Urban - Rural)

- The number of fixed line subscribers in urban areas reached 7.39 million, by the end of January - March 2020, compared to 6.31 million subscribers by the end of January - March 2019; while the number of fixed line subscribers in rural areas reached 2.13 million, by the end of January - March 2020, compared to 1.78 million, by the end of January - March 2019.

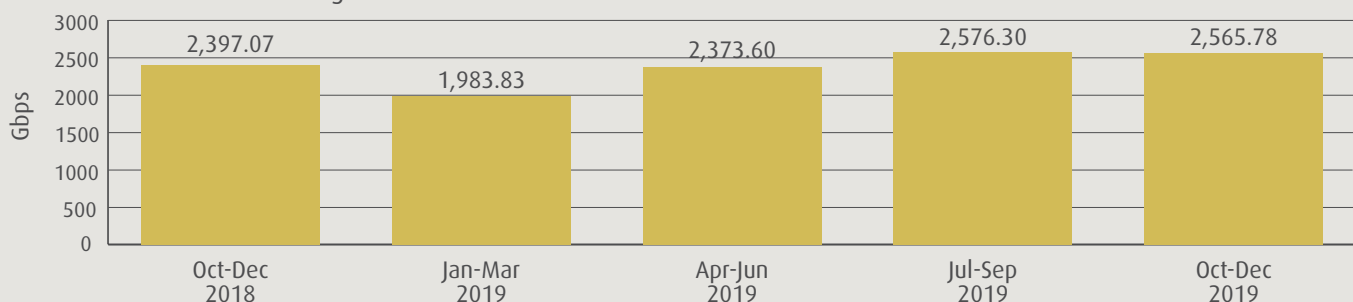


Source: Ministry of Communications and Information Technology, Telecom Egypt



## International Internet Bandwidth

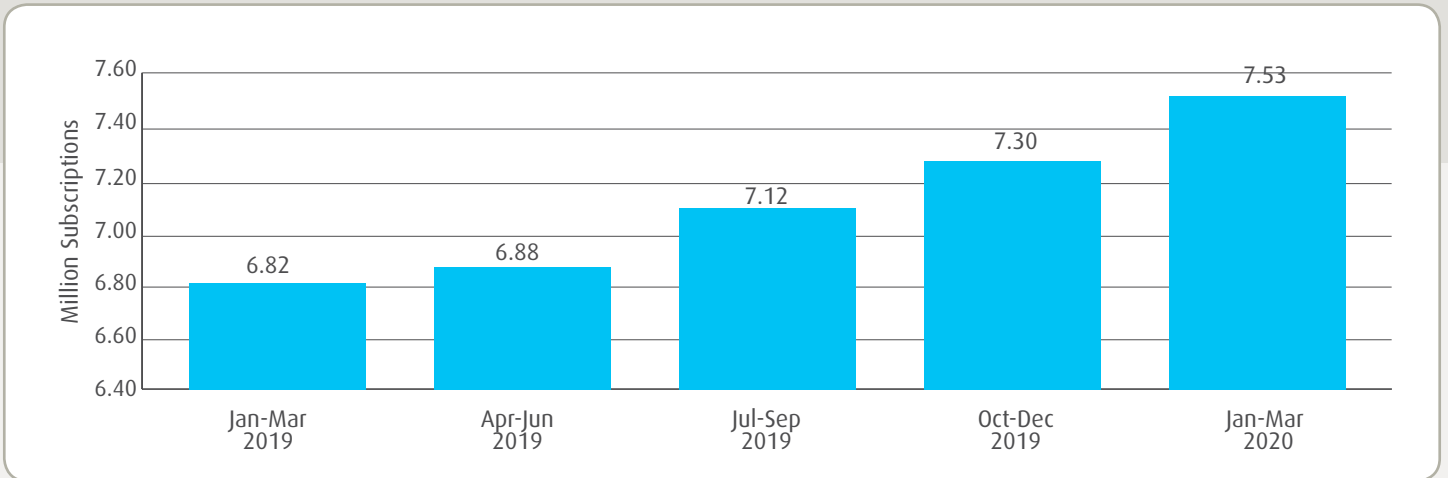
- International Internet bandwidth increased to 2,565.78 Gbps at the end of October - December 2019, compared to 2,397.07 Gbps at the end of October - December 2018, representing an annual growth rate of 7.04%.
- The international Internet bandwidth per inhabitants reached 25668.11 bit/sec. per person at the end of October - December 2020, compared to 24409.17 bit/sec. per person at the end of October - December 2018, with an annual growth rate of 5.06%.



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

## ADSL Subscriptions

- The number of ADSL subscriptions reached 7.53 million by the end of January - March 2020, compared to 6.82 million at the end of January - March 2019, with an annual change of 0.71 million and an annual change rate of 10.4%.

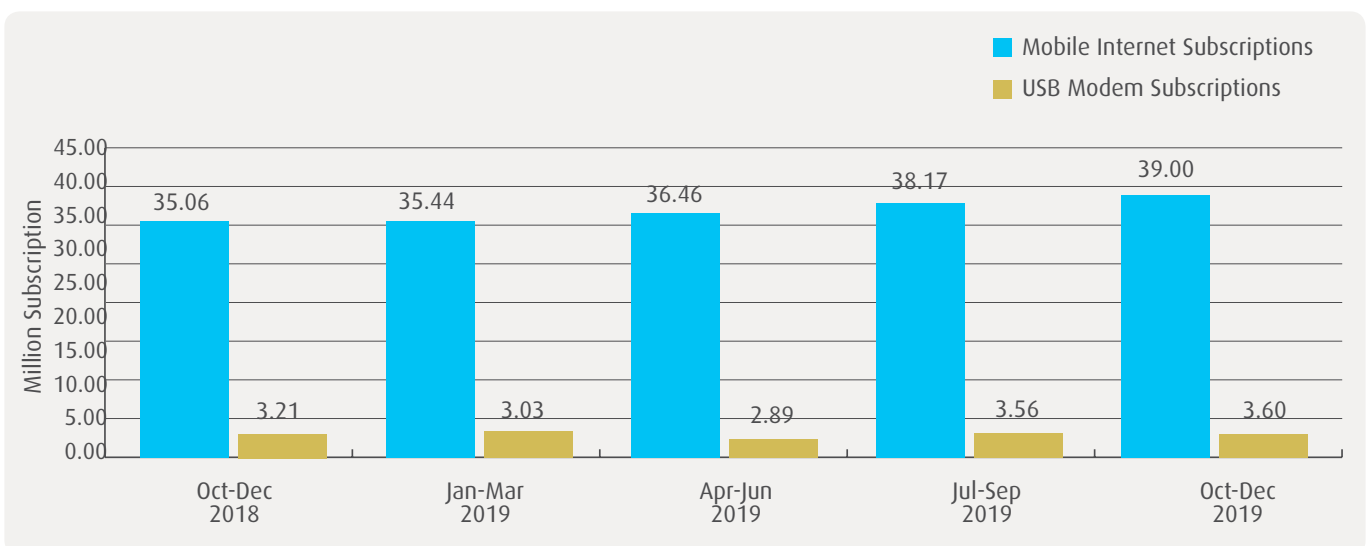


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



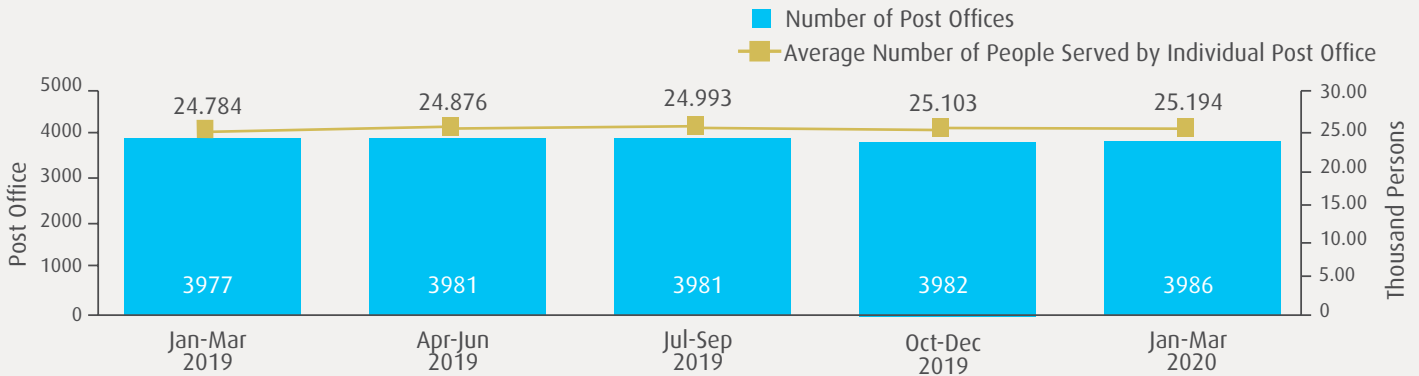
## Mobile Internet and USB Modem Subscriptions

- The number of mobile Internet subscriptions reached 39.00 million by the end of October - December 2019, compared to 35.06 million at the end of October - December 2018.
- The number of USB Modem subscriptions reached 3.60 million by the end of October - December 2019, compared to 3.21 million at the end of October - December 2018.



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

- The total number of post offices increased to 3986 at the end of January - March 2020, compared to 3977 at the end of January - March 2019, reflecting an annual growth rate of 0.23%.
- The average number of people served by individual post offices was 25,194 persons at the end of January - March 2020, compared to 24,784 persons at the end of January - March 2019, representing an annual growth rate of 1.66%.



Source: Ministry of Communications and Information Technology, Egypt Post

## Number of Pensions Distributed through Post Offices

- Number of beneficiaries of pensions distributed through post offices increased to about 5.39 million in January - March 2020, compared to 5.46 million in January - March 2019.



Source: Ministry of Communications and Information Technology, Egypt Post

## Value of Pensions Distributed through Post Offices

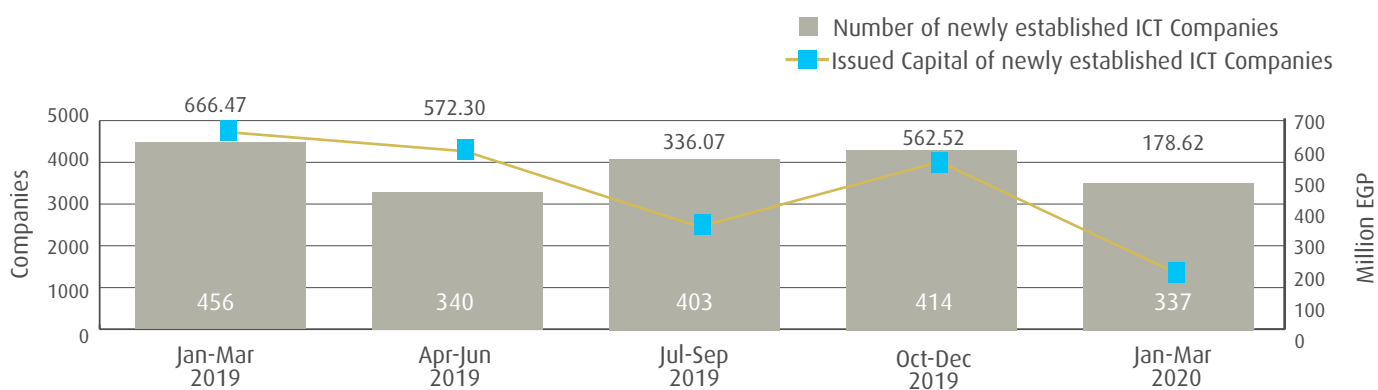
- The value of pensions distributed through post offices reached 7.25 billion EGP in January - March 2020, compared to 6.21 billion EGP in January - March 2019.



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 337 in January - March 2020, compared to 456 companies in January - March 2019.
- Number of issued capital of newly established ICT companies reached 178.62 million EGP in January - March 2020, compared to 666.47 million EGP in January - March 2019.

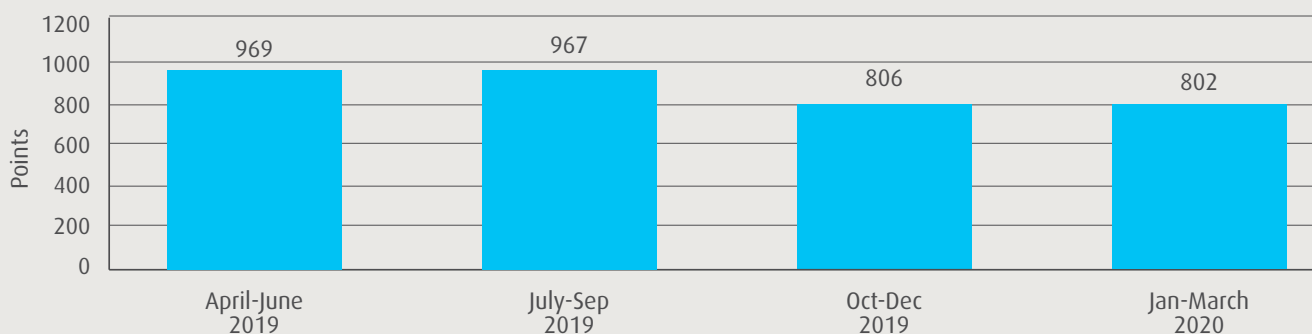


Source: Ministry of Investment, General Authority for Investment and Free Zones



## Egypt's Stock Exchange Telecommunications Index \*

- The telecommunications index in Egypt's stock exchange reached 802 points during January - March 2020, compared to 806 points during October - December 2019.



The IT, Media and Communication Services Index includes five companies: Raya Contact Center, Fawry for Banking Technology and Electronic Payment, Egyptian Satellites (NileSat), Egyptian Media Production City and Telecom Egypt.

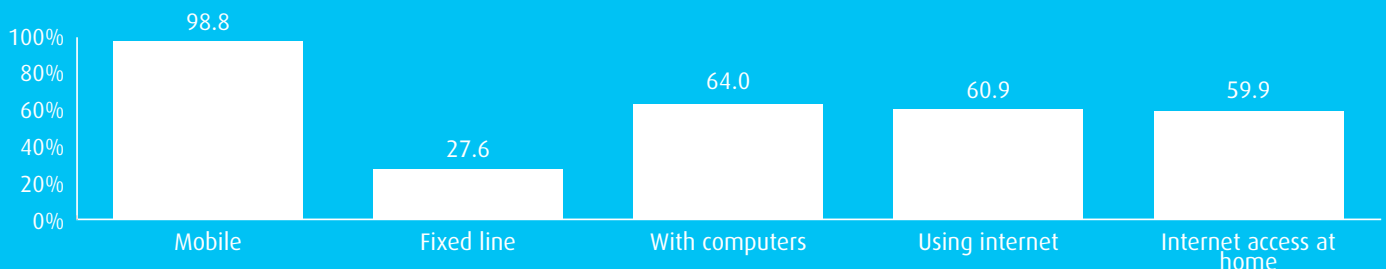
Source: Egypt's Stock Exchange

# The ICT Sector's Role in Development

- Proportion of households with mobile phones: 98.8%
- Proportion of households accessing Internet from fixed broadband: 49.2%
- Proportion of individuals using mobile phones: 99.4%
- Proportion of individuals using Internet from home: 95%
- Proportion of individuals using Internet for sending and receiving e-mails: 93.9%
- Proportion of individuals using Internet on daily bases: 69.6%
- Number of graduates to receive software training by ITIDA till (January - March 2020): 25.23 thousand
- Number of ITI graduates till September 2019: 13.11 thousand

## Infrastructure for the Use of Communications and Information Technology in Egyptian Household

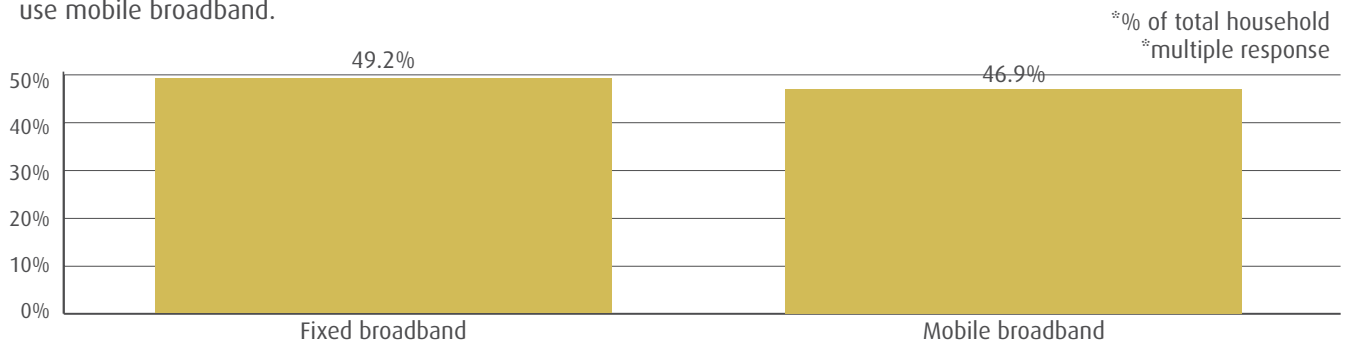
- The proportion of households with a cell phone is about 98.8%, while 27.6% of households have a fixed line, followed by households with computer 64%, and the proportion of households using Internet and have Internet access at home are 60.9% and 59.9% respectively.



Source: "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

## Households Internet Access at Home by Type of Access Mode

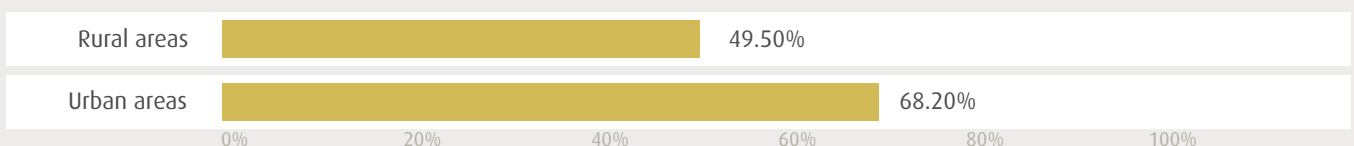
- The proportion of households with Internet access at home using fixed broadband is 49.2%, while 46.9% of households use mobile broadband.



Source: "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

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

- The proportion of households using Internet from home in urban areas is 68.2%, while the proportion of household in rural areas is 49.5%

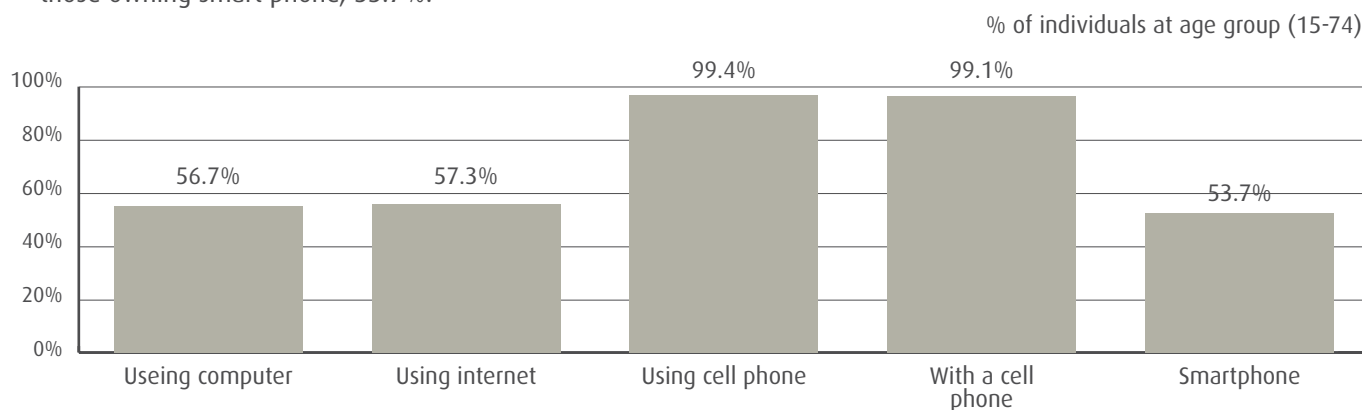


Source: "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.



## ICT Usage for Individuals

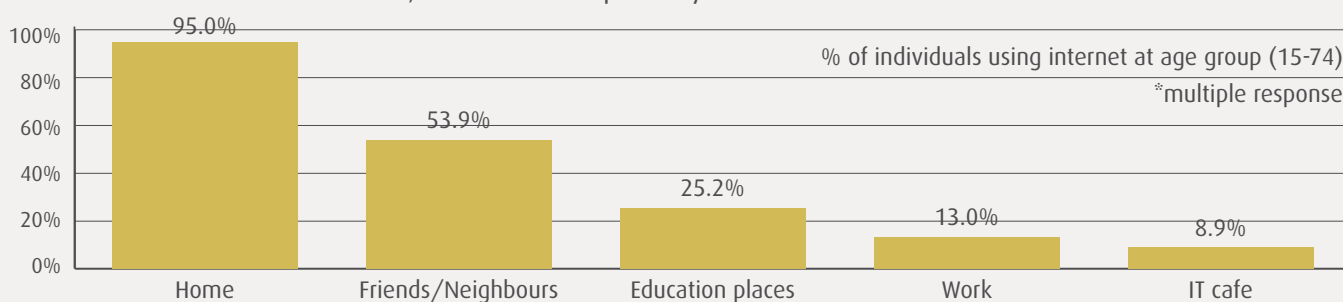
- The proportion of individuals using computer is 56.7%, while the proportion of individuals using Internet is 57.3%, and the proportions of individuals using cell phone and owning cell phone are 99.4% and 99.1% respectively, followed by those owning smart phone, 53.7%.



**Source:** "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

## Internet Usage by Location

- The proportion of individuals who access Internet at home is 95%, while the proportion of individuals who access Internet from (friends/neighbors) is 53.7%, and 25.2 % at educational places, followed by the proportion of those who access Internet at work and Internet cafes, 13% & 8.9% respectively.



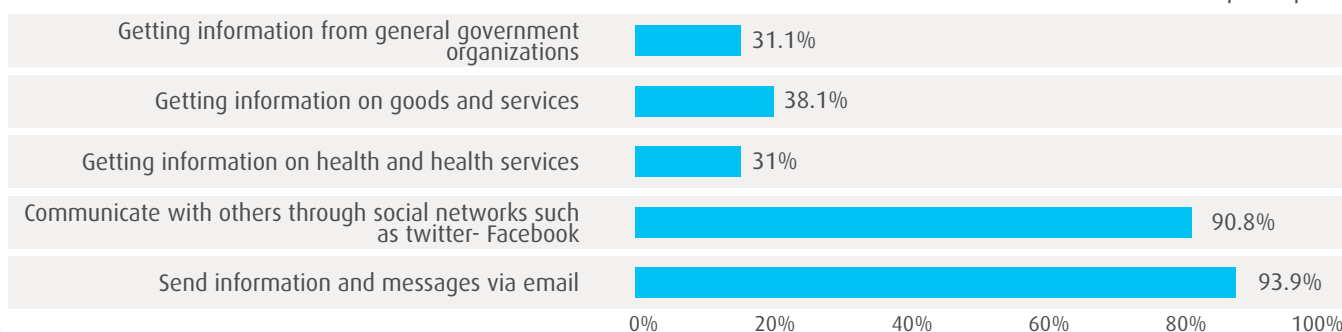
**Source:** "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

## Internet Activities

- The proportion of individuals using Internet in sending and receiving e-mail is 93.9%, while the proportion of those using Internet to communicate with others through social networks, such as Twitter and Facebook, is 90.8%, followed by those searching for information on health and health services is 31%, and those getting information on goods and services is 38.1%, followed by those getting information from general government organizations, is 31.1%.



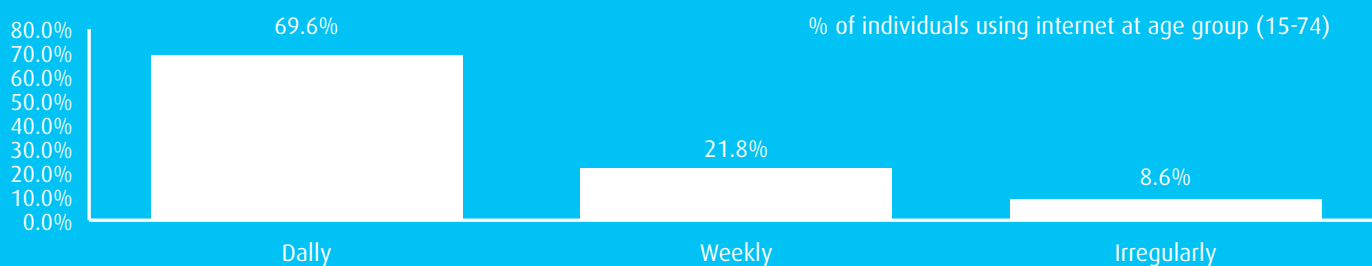
% of individuals at age group (15-74)  
\*multiple response



**Source:** "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

## Frequency of Using Internet

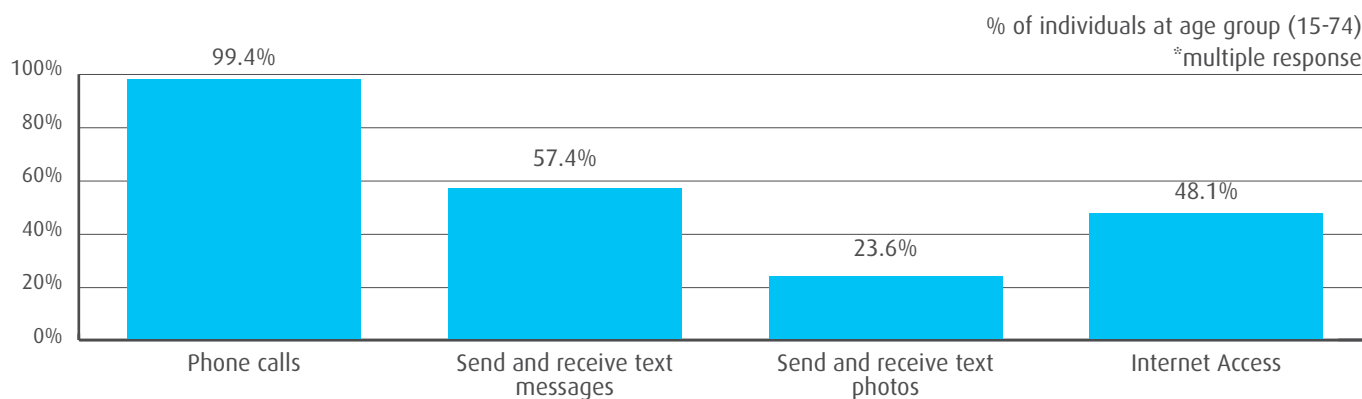
- The proportion of individuals who use Internet daily is 69.6%, while 21.8 % use Internet weekly and 8.6% use Internet irregularly.



Source: "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

## Mobile Usage Activities

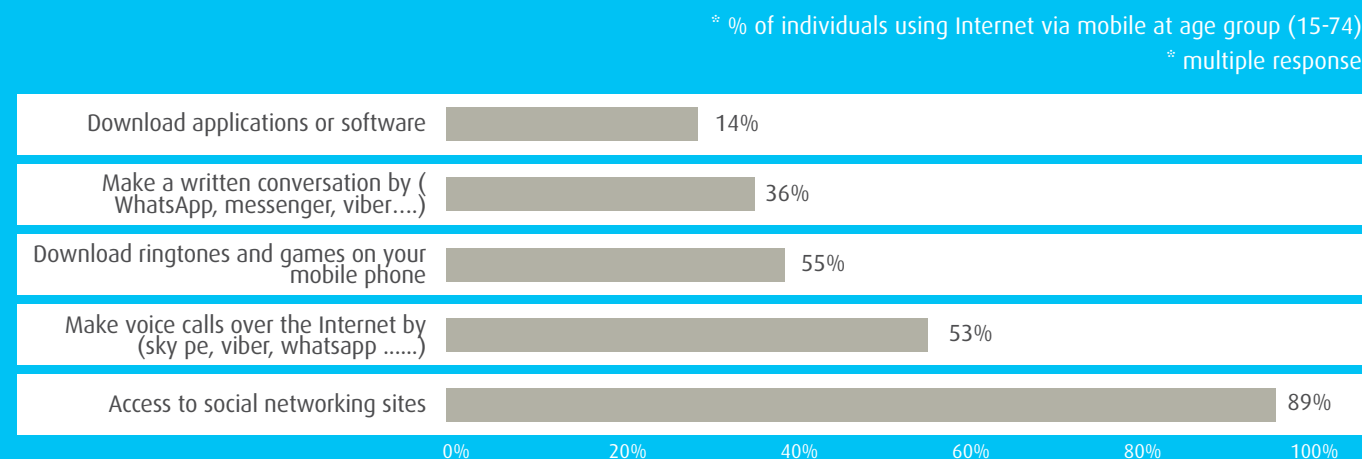
- The proportion of individuals who use cell phone in phone calls is 99.4%, while the proportion of those who use it to send and receive text messages is 57.4%, followed by the proportion of Internet access is 48.1 %.



Source: "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

## Internet Activities via Mobile

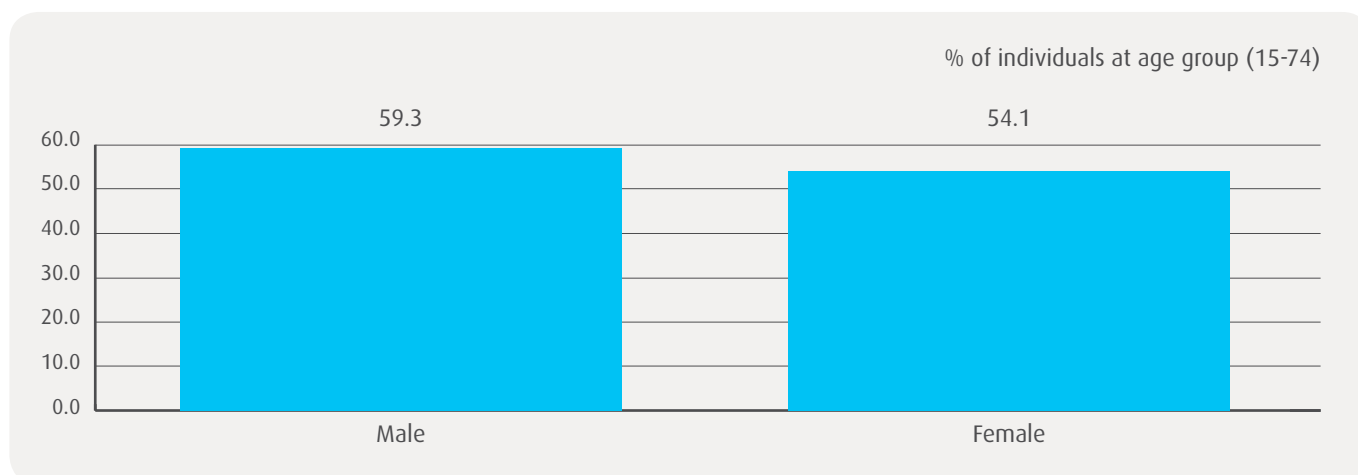
- Proportion of individuals who access social media is 89%, while the proportion of those who make voice calls via Internet using Skype, Viber, WhatsApp, etc. is 53%, followed by the proportion of those who download ringtones and games on mobile phones and text (using WhatsApp, Messenger, Viber, etc.) is 55% and 36 respectively, and those who download applications or software, is 14%.



Source: "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

## Individuals Using Computers by Gender

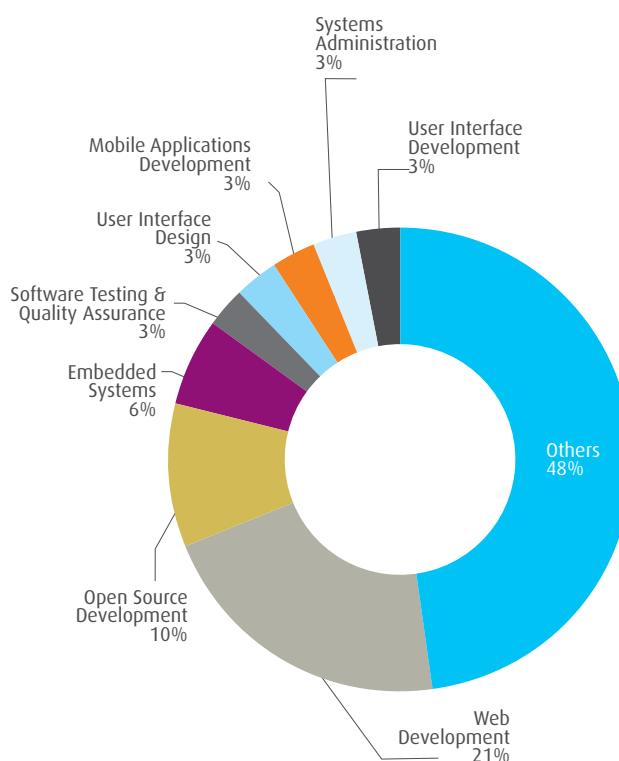
- The proportion of males using computer is 59.3%, while the proportion of females using computer is 54.1%.



Source: "ICT usage in household and individuals" survey, conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2019-2020, including 15000 households.

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

Training Track	July - September 2019*
Web Development	195
Open Source Development	89
Embedded Systems	58
Software Testing and Quality Assurance	30
User Interface Design	28
Mobile Applications Development	26
Systems Administration	25
User Interface Development	24
Others	447
<b>Total</b>	<b>922</b>



\*According to the latest figures

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

## ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 95.34 million in January - March 2020, compared to 93.78 million in January - March 2019, representing an annual change rate of 1.66%.
- Mobile penetration reached 94.94 % in January - March 2020, compared to 95.15% in January - March 2019, representing an annual change rate of -0.21%.
- Mobile Internet subscriptions reached 39.00 million in October – December 2019, compared to 35.06 million in October – December 2018, representing an annual change rate of 6.93%.
- USB Modem subscriptions reached 3.60 million in October – December 2019, compared to 3.21 million in October – December 2018, representing an annual change rate of -1.59%.
- ADSL subscribers increased to 7.30 million in January - March 2020, compared to 6.53 million in January - March 2019, representing an annual change rate of 11.7%.

## ICT Sector's Role in Development

- The proportions of households using Internet and have Internet access at home are 60.9% and 59.9% respectively.
- The proportion of households using Internet from home in urban areas is 68.2%, while the proportion of household in rural areas is 49.5%.
- The proportion of individuals using Internet reached 57.3%.
- The number of ITI graduates till January - March 2020 reached 13.11 thousand.
- The number of graduates who received software training till January - March 2020 is 25.23 thousands.