



Ministry of Communications
and Information Technology

ICT Indicators Bulletin

June 2021 | Quarterly Issue



ICT Sector's Infrastructure Indicators

The ICT Sector's Role in Development

Indicators in Brief

Data item	Unit	April - June 2020	January - March 2021	April - June 2021	Quarterly growth rate (%)	Annual growth rate (%)
ICT Sector: Infrastructure Indicators						
Mobile subscriptions	Million	96.58	99.82	98.60	-1.229	2.08
Mobile penetration *	%	95.73	97.59	95.96	-1.64	0.23
Fixed line subscriptions	Million	9.89	10.05	10.30	2.51	4.08
Fixed line penetration *	%	7.73	7.45	7.79	0.34	0.06
Mobile Internet subscriptions **	Million	41.79	57.25	59.66	4.20	42.77
USB Modem subscriptions	Million	2.24	3.26	3.19	-2.11	42.12
ADSL subscribers	Million	7.99	9.26	9.50	2.60	18.9
International Internet Bandwidth **	Gbps	2,373.07	2,576.30	2,565.78	-0.41	7.04
Number of post offices	Post office	3986	4044	4107	1.56	3.04
ICT Sector's Role in Development						
Capacity building program provided by ITIDA	Thousand Graduates	25.65	28,47	31.23	9.69	21.75

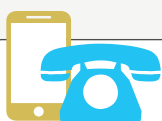
* Growth rates are calculated based on the difference between penetration rates in different time intervals.

** (October – December 2019) Data

- The Proportion of individuals using internet reached 57.3% according to ICT access and use by households and individuals 2020/2019

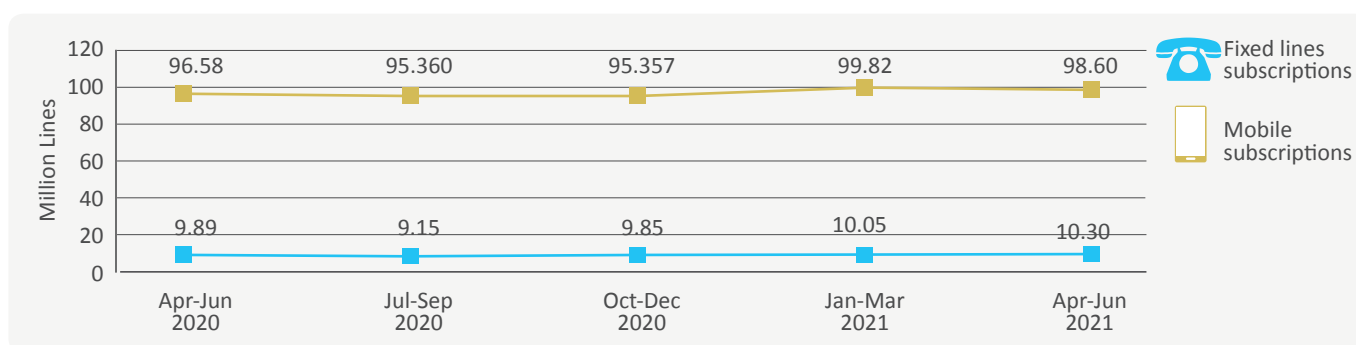
ICT Sector's Infrastructure Indicators

- Mobile subscriptions (April - June 2021): 98.60 million
- Mobile penetration (April - June 2021): 95.96%
- Fixed line subscriptions (April - June 2021): 10.30 million
- Fixed line subscriptions in urban areas (April - June 2021): 8.20 million, rural areas 2.10 million.
- Internet users through mobile (April - June 2021): 59.66 million .
- USB Modem users (April - June 2021): 3.19 million users.
- ADSL subscribers (April - June 2021): 9.50 million.
- International Internet bandwidth (October-December 2019): 2,565.78 Gbps.
- Number of post offices (April - June 2021): 4107 Post offices.
- Number of Beneficiaries of Pensions' Payment Service through post offices (April - June 2021): 3.31 million beneficiary



Fixed Lines and Mobile Subscriptions

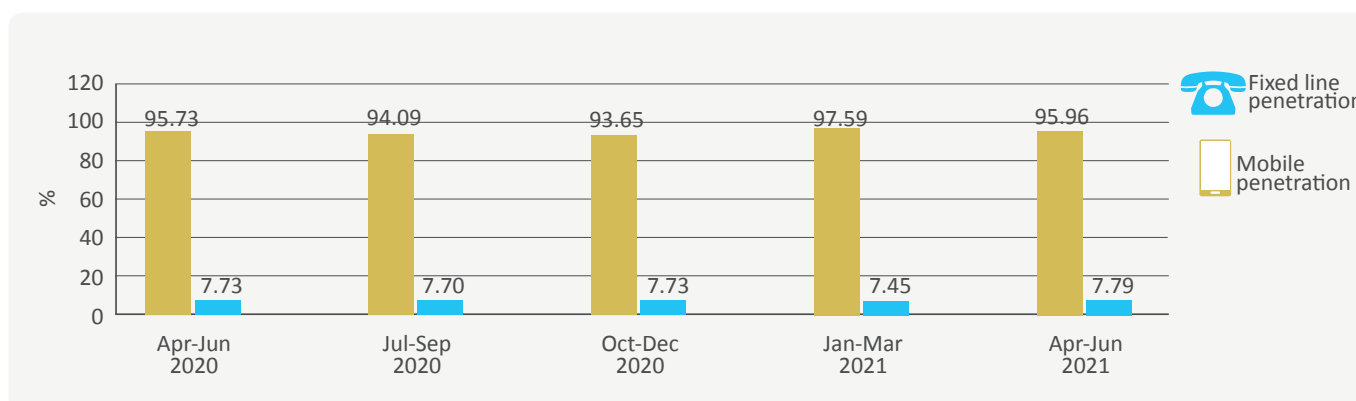
- The number of fixed line and mobile subscriptions was 108.89 million at the end of April - June 2021, compared to 106.48 million at the end of April - June 2020.
- The number of mobile subscriptions was 98.60 million at the end of April - June 2021, compared to 96.58 million at the end of April - June 2020. The mobile subscriptions recorded 91% of total telephone service.



Source: Ministry of Communications and Information Technology, Telecom Egypt

Fixed Line and Mobile Penetration

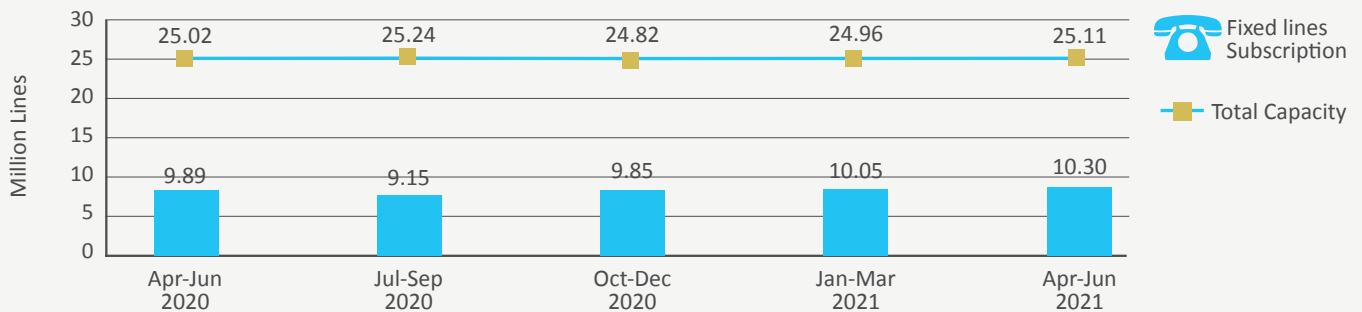
- Mobile penetration reached 95.96% at the end of April - June 2021, compared to 95.73% at the end of April - June 2020, representing an annual change rate of 0.23%. On the other hand, fixed line penetration reached about 7.79% by the end of April - June 2021.



Source: Ministry of Communications and Information Technology, Telecom Egypt

Fixed Lines Subscription and Local Exchange Capacity

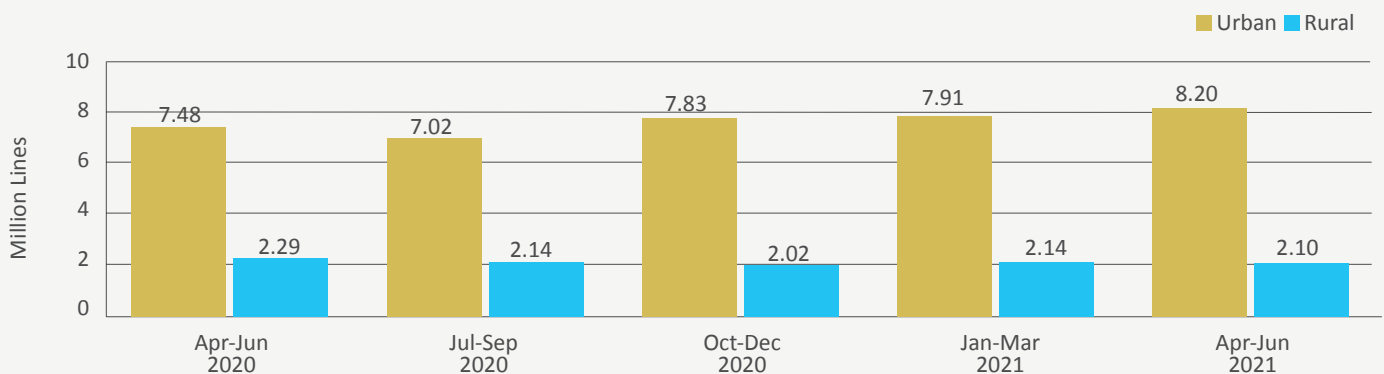
- The total number of fixed line subscriptions reached 10.30 million subscriptions at the end of April - June 2021, compared to 9.89 million subscriptions at the end of April - June 2020.
- The capacity of local telephone exchanges increased to 25.11 million lines at the end of April - June 2021, compared to 25.02 million at the end of April - June 2020. This represents an annual change of 0.09 million lines and an annual change rate of 0.35%.



Source: Ministry of Communications and Information Technology, Telecom Egypt

Fixed Lines Subscription (Urban – Rural areas)

- The number of fixed line subscribers in urban areas reached 8.20 million subscribers by the end of April - June 2021 compared to 7.48 million subscribers by the end of April - June 2020 while the number of fixed line subscribers in rural areas reached 2.10 million subscribers by the end of April - June 2021, compared to 2.29 million subscribers by the end of April - June 2020

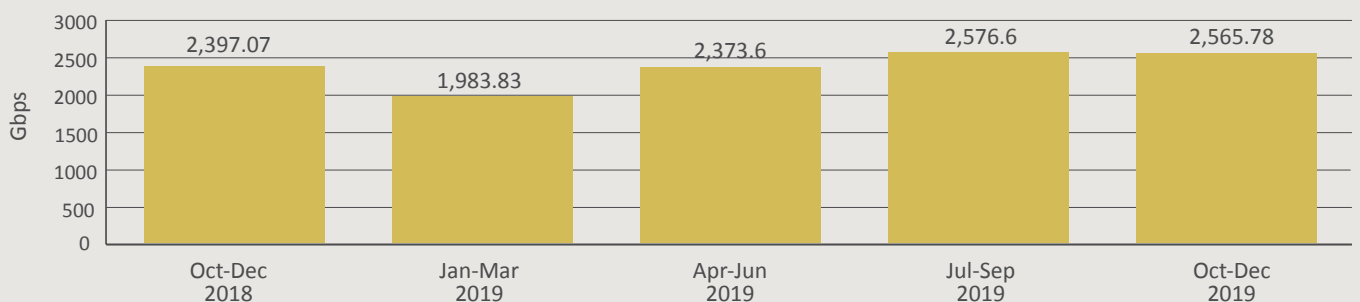


Source: Ministry of Communications and Information Technology, Telecom Egypt



International Internet Bandwidth

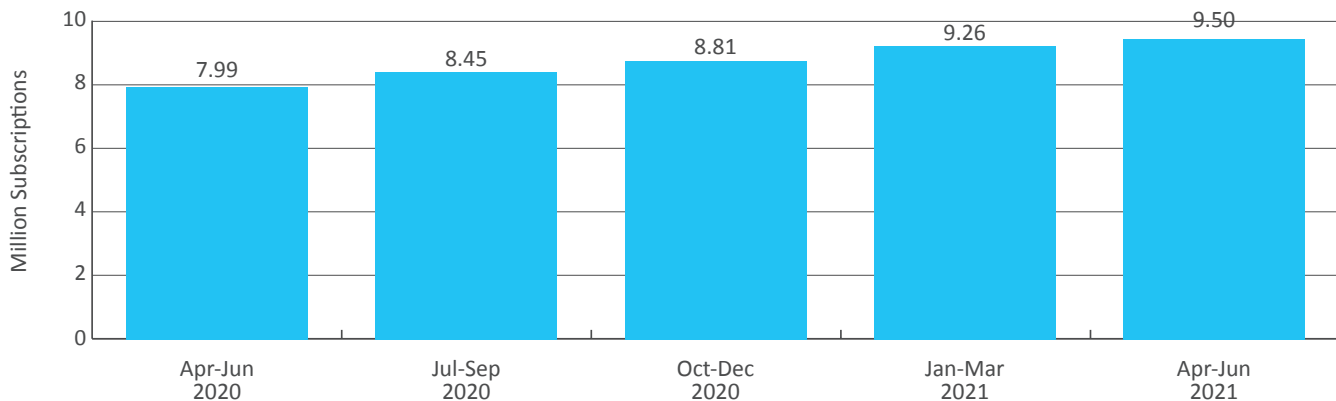
- International Internet bandwidth increased 2,565.78 Gbps at the end of October-December 2019, compared to 2,397.07 Gbps at the end of October – December 2018 representing an annual growth rate of 7.04%.
- The international internet bandwidth per inhabitants reached 25,085.01 Bit/sec. per person at the end of October-December 2019, compared to 23,869.36 Bit/Sec. per person at the end October-December 2018 with an annual growth rate of 5.09%.



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

ADSL Subscriptions

- The number of ADSL subscriptions reached 9.50 million Subscriptions by the end of April - June 2021 compared to 7.99 million subscriptions at the end of April - June 2020 with an annual change 1.51 million and annual change rate 18.9 %.

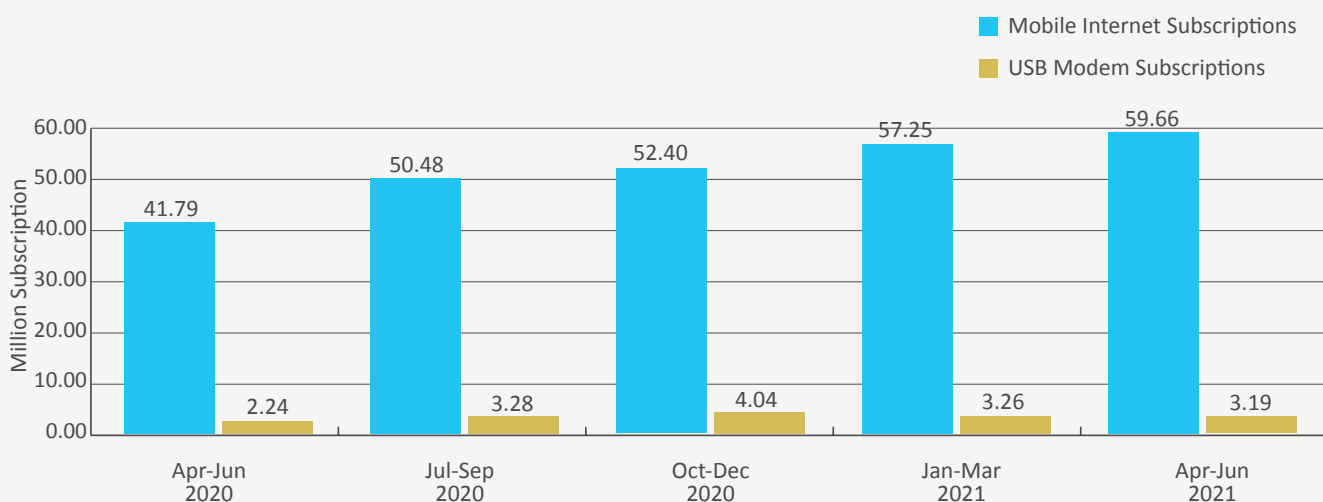


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



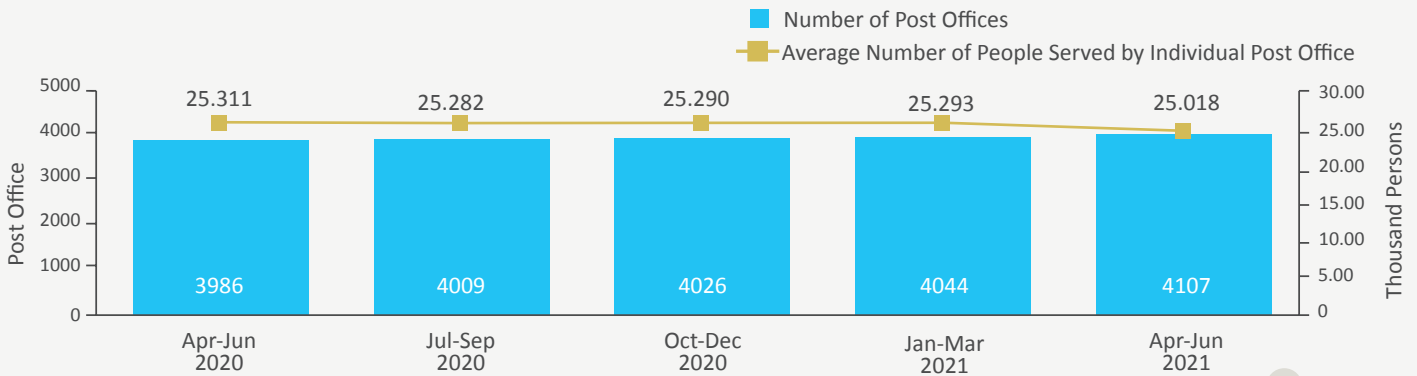
Mobile Internet and USB Modem Subscriptions

- The number of mobile internet subscriptions reached 59.66 million subscriptions by the end of October – December 2019 compared to 41.79 million subscriptions at the end of October – December 2018
- The number of USB Modem subscriptions reached 3.19 million subscriptions by the end of October – December 2019 compared to 2.24 million subscriptions at the end of October – December 2018.

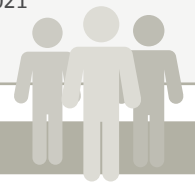


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

- The total number of post offices increased to 4107 at the end of April - June 2021, compared to 3986 at the end of April - June 2020, reflecting an annual growth rate of 3.04%.
- The average number of people served by individual post offices was 25,018 thousand persons at the end of April - June 2021, compared to 25,311 thousand persons at the end of April - June 2020, representing an annual growth rate of -1.16%.

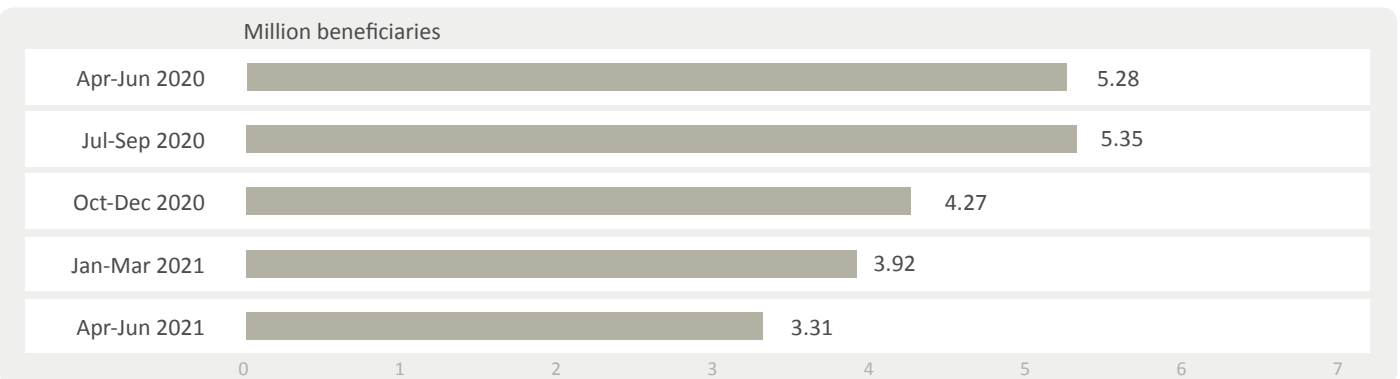


Source: Ministry of Communications and Information Technology, Egypt Post



Number of Pensions Distributed through Post Offices

- The number of beneficiaries of pensions distributed through postal offices has increased to about 3.31 million beneficiaries in April - June 2021, compared to 5.28 million beneficiaries in April - June 2020.

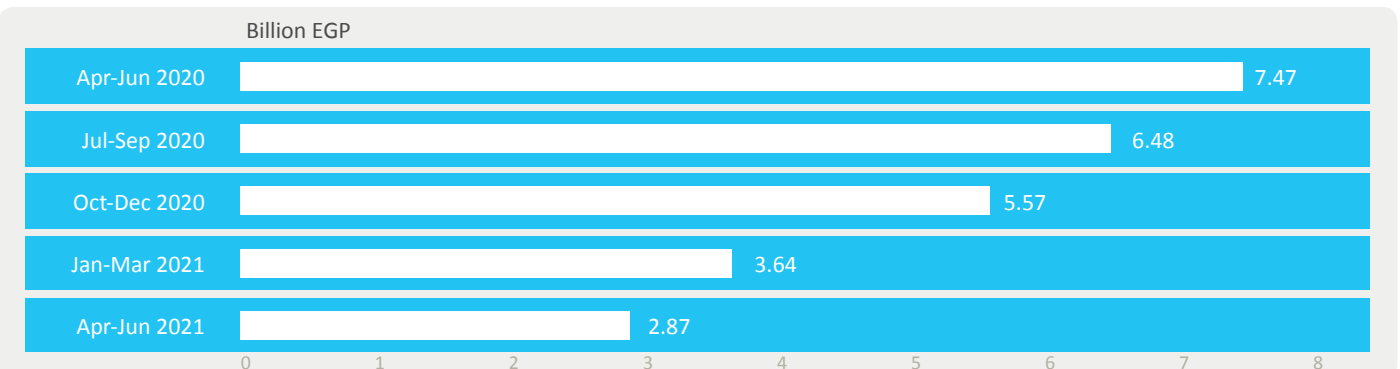


Source: Ministry of Communications and Information Technology, Egypt Post

* The decline in the number of pension recipients by Post is attributed to the availability of pension collection through mobile wallets and bank cards.

Value of Pensions Distributed through Post Offices

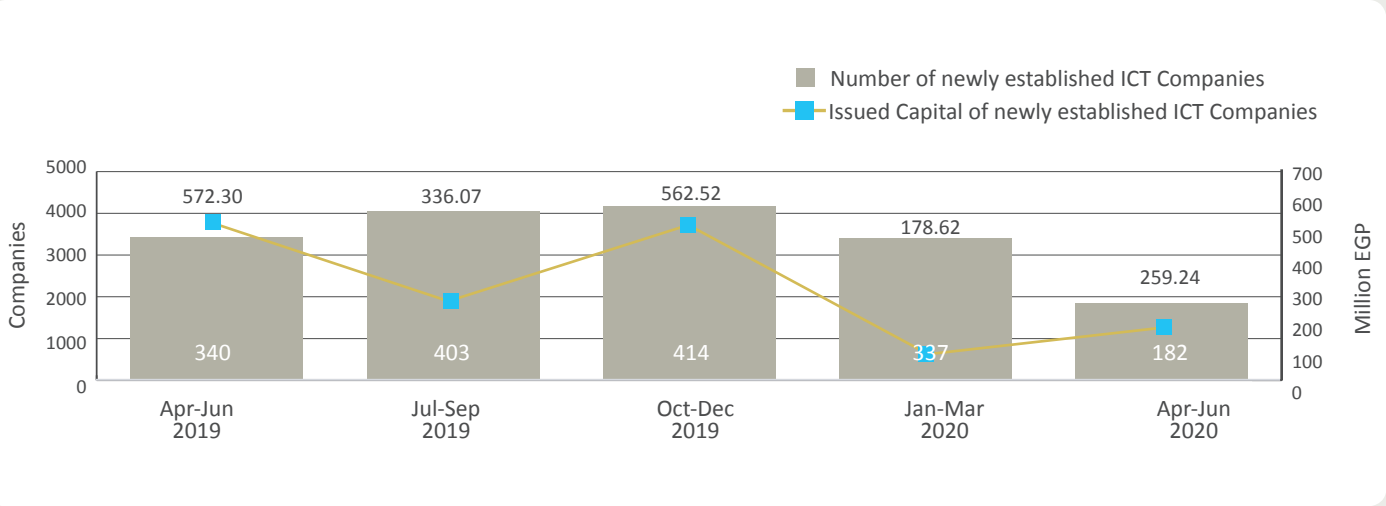
- The value of pensions distributed through postal offices reached 2.87 billion EGP beneficiaries in April - June 2021 compared to 7.47 billion EGP in April - June 2020.



Source: Ministry of Communications and Information Technology, Egypt Post

Number of Newly Established ICT Companies and Issued Capital

- The number of newly established ICT companies reached 182 companies in April – June 2020, compared to 340 companies in April – June 2019.
- Number of issued capital of newly established ICT companies reached 259.24 million EGP in April – June 2020, compared to 572.30 million EGP in April – June 2019.

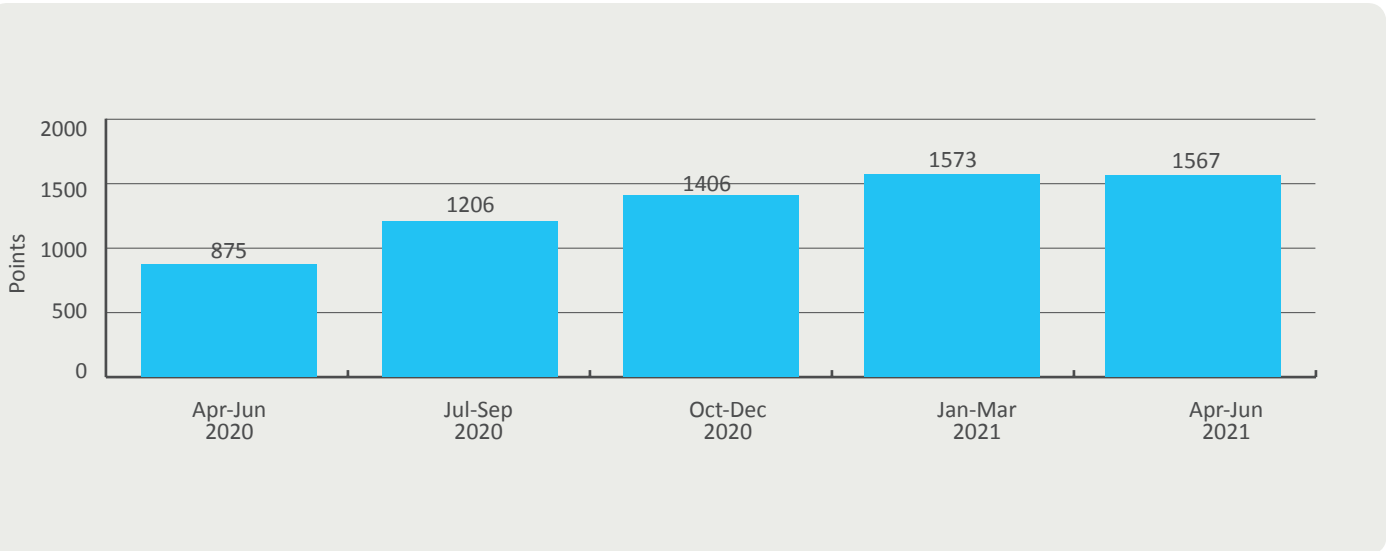


Source: Ministry of Investment, General Authority for Investment, and Free Zones



Egypt's Stock Exchange Telecommunications Index*

- The Telecommunications Index of Egypt's Stock Exchange reached 1567 points during April - June 2021, compared to 875 points during April - June 2020.



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

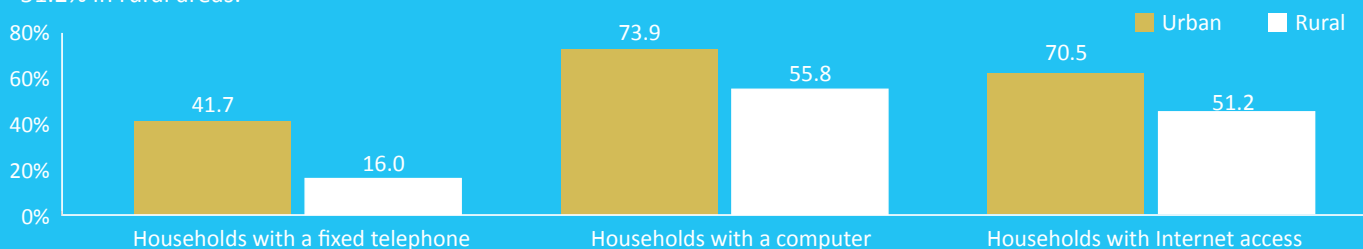
Source: Egypt's Stock Exchange

The ICT Sector's Role in Development

- Proportion of households owning computers in urban areas 73.9%.
- Proportion of households accessing the internet from home in urban areas:70.5%.
- Proportion of households with fixed broadband in urban areas: 59%.
- Proportion of households with mobile broadband in urban areas: 52.9%
- Proportion of households owning computers in rural areas: 55.8%
- Proportion of households accessing the internet from home in rural areas: 51.2%.
- Number of graduates to receive software training by ITIDA till June 2021: 31.23 thousand trainees.
- Number of graduates of ITI till September 2019: 13.99 thousand trainees.

Infrastructure for Use of ICT in Egyptian Households

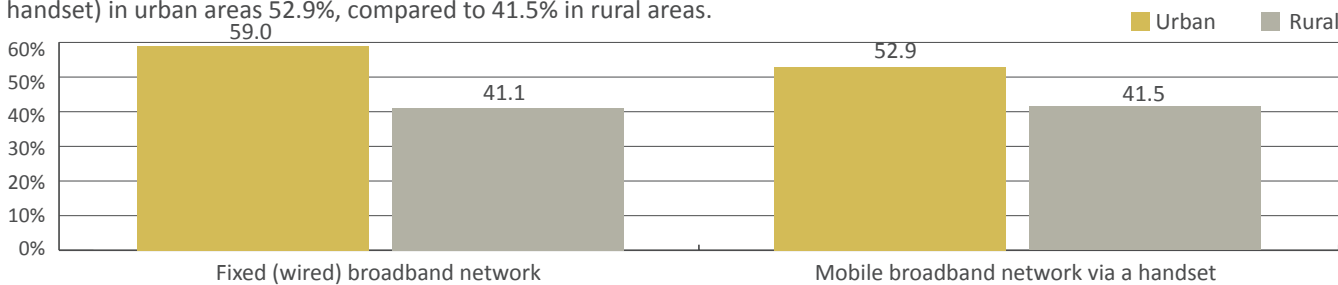
- By comparing the uses of ICT tools in Egyptian households at urban and rural areas, the percentage of households that own a fixed phone was 41.7% in urban areas compared to the rural areas 16%, and households that owned a computer were 73.9% in urban areas, compared to the rural 55.8% and the use of the internet from home was 70.5% in urban areas, compared to 51.2% in rural areas.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

Households Internet Access at Home by Type of Access Mode

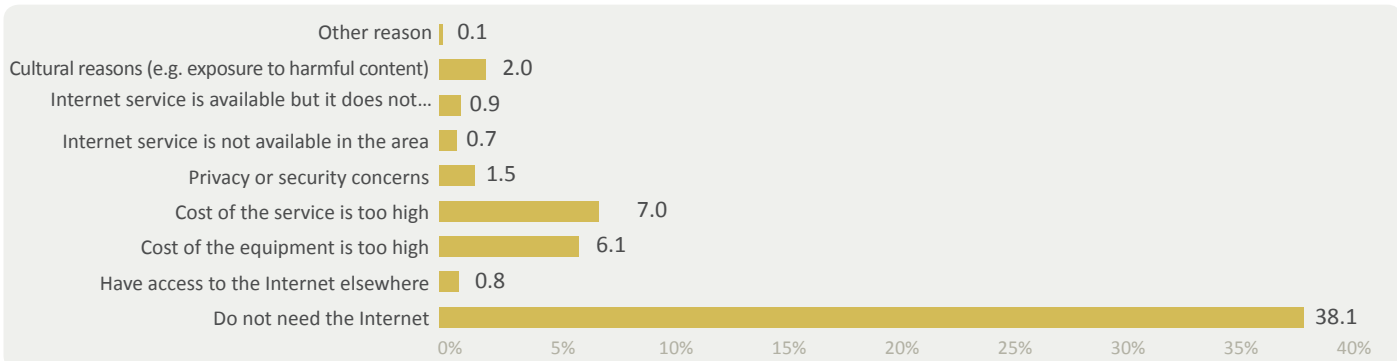
- Comparing the percentages of Egyptian families connected to the Internet from home according to the means of communication at the urban and rural areas, the percentage of households using a fixed (wired) broadband network in urban areas was 59%, compared to 41.1% in rural areas, followed by the percentage of households that use (mobile broadband network via a handset) in urban areas 52.9%, compared to 41.5% in rural areas.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

Reasons for Not Having Internet Access

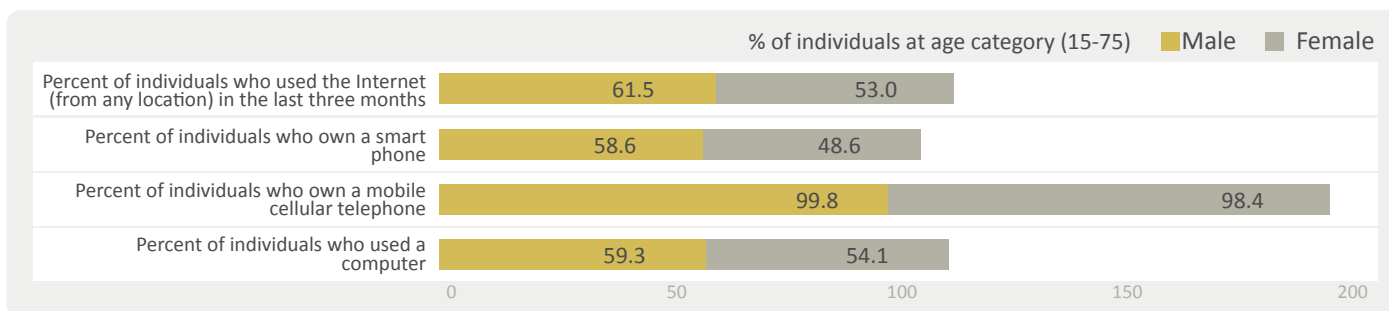
- One of the most important reasons for not using Internet from home is that families do not need Internet from home by 38%, followed by the high cost of service and equipment cost 7% and 6.1% respectively. The rest of the causes ranged from 0.1 to 2%.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

ICT Usage for Individuals by Gender

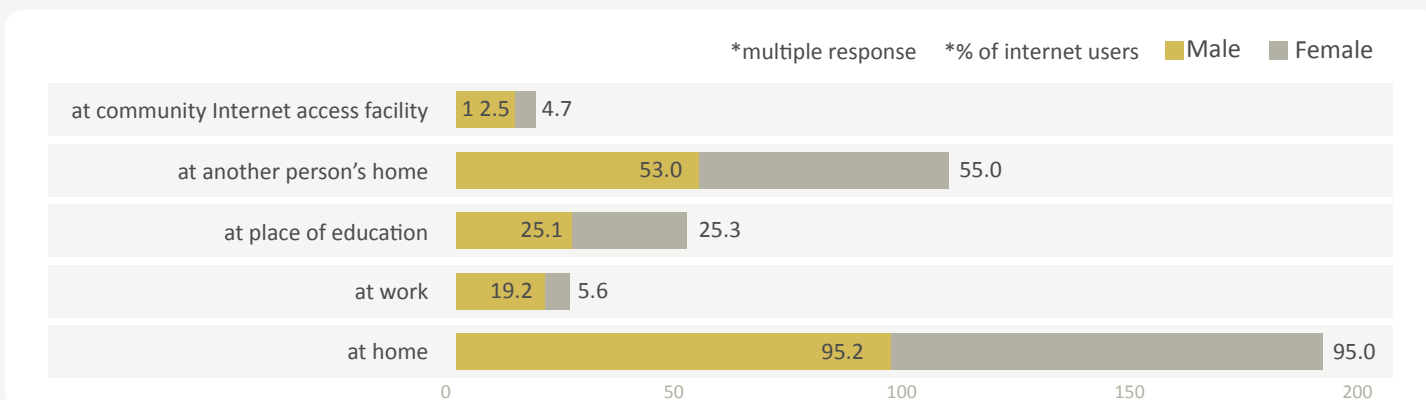
- By comparing the uses of ICT by Internet users, we found that the uses of males are superior to that of females. The percentage of computer use was 59.3% for males, compared to 54.1% for females, Internet usage was 61.5% for males, compared to 53% for females, and owning a smart phone was 58.6% for males, compared to 48.6% for females, while the rates of usage were close in the indicator of mobile ownership between males and females 99.8% and 98.4%, respectively.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

Individuals Using Internet in Last Three Months by Location of Use % of Internet Users by Gender

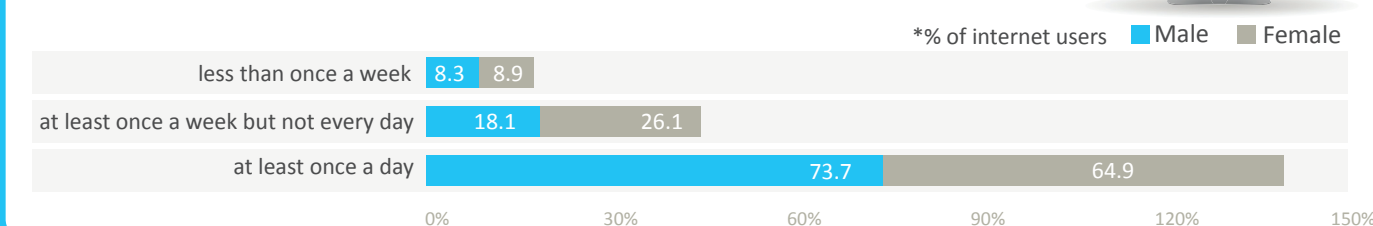
- By comparing the places where internet users use the Internet, we found that the ratios between males and females are similar in some indicators. The percentage of internet usage from home was 95.2% for males compared to 95% for females, the percentage of usage through educational institutions was 25.1% for males compared to 25.3% for females, and the percentage of usage through neighbors or friends was 53% for males compared to 55% for females. The percentages vary between males and females in the indicator of using the Internet through the workplace 19.2% for males compared to 5.6% for females, and the indicator of using the Internet at community Internet access facility is 12.5% for males compared to 4.7% for females.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

Individuals Using Internet (from any location) in Last Three Months by Frequency % of Internet Users by Gender

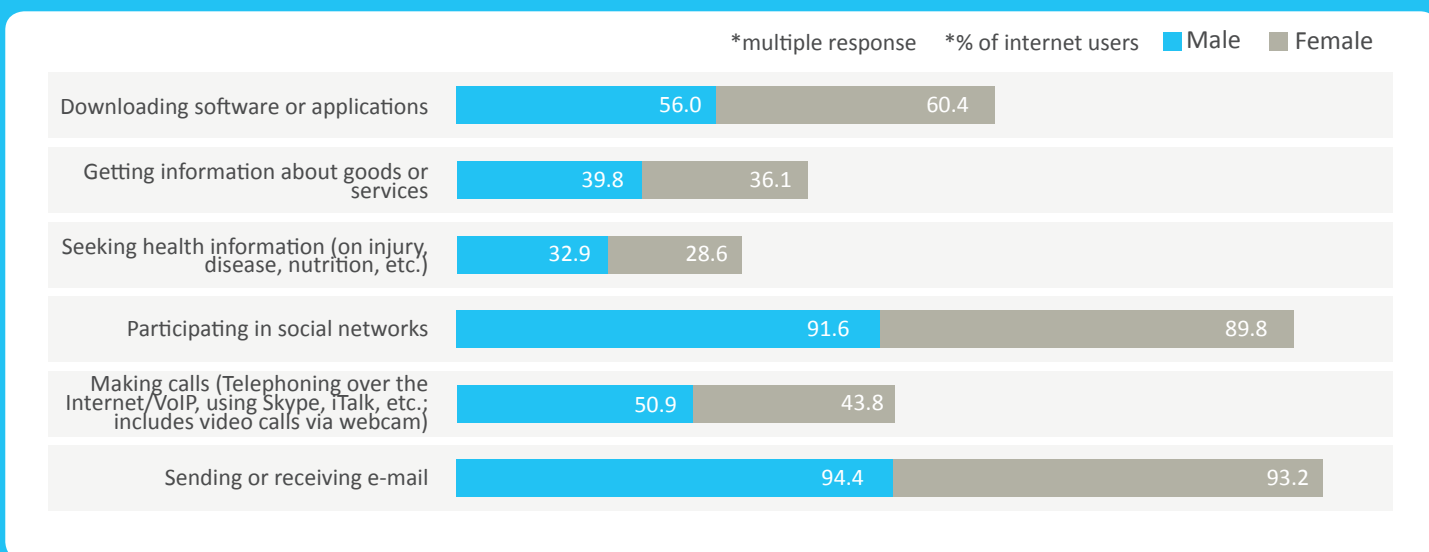
- By comparing the frequencies of dealing with the Internet between male and female, the indicator of dealing with the Internet on a daily basis was 73.7% for males compared to 64.9% for females. The percentage of dealing on a weekly basis was 18.1% for males compared to 26.1% for females, while dealing less than once a week was the least 8.3% for males versus 8.9% for females.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

Individuals Using Internet in Last Three Months by Type of Activity According to Gender % of Internet Users

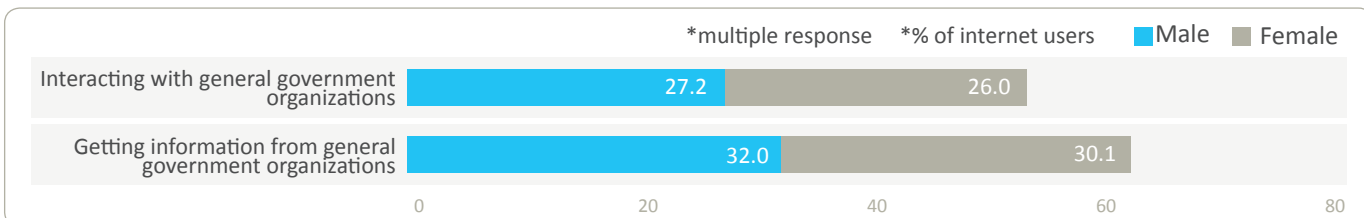
- Comparison of Internet use between males and females: sending and receiving e-mail came in first place, 94.4% for males compared to 93.2 for females, social media participation indicator was 91.6% for males compared to 89.8 for females, followed by downloading programs and applications 56% for males compared to 60.4% and making Internet calls 50.9% for males compared to 43.8 for females. Finally, obtaining information on goods and services is 39.8% for males against 36.1% for females, and searching for health information is 32.9% for males compared to 28.6 for females.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

E-government fields

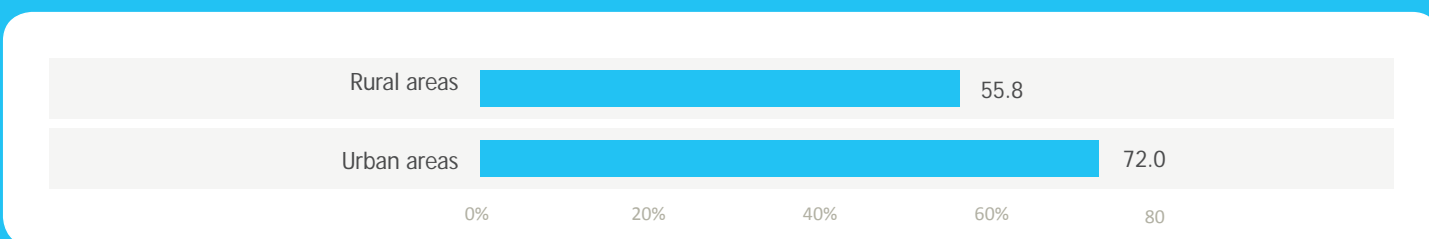
- By comparing the use of e-government between males and females, we found a convergence in the percentages of use between males and females. The indicator of obtaining information from general government agencies was 32% for males compared to 30.1% for females, followed by dealing with government institutions via the Internet, 27.2% for males, compared to 26% for females.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

Households with Computer According to Urban/Rural Areas

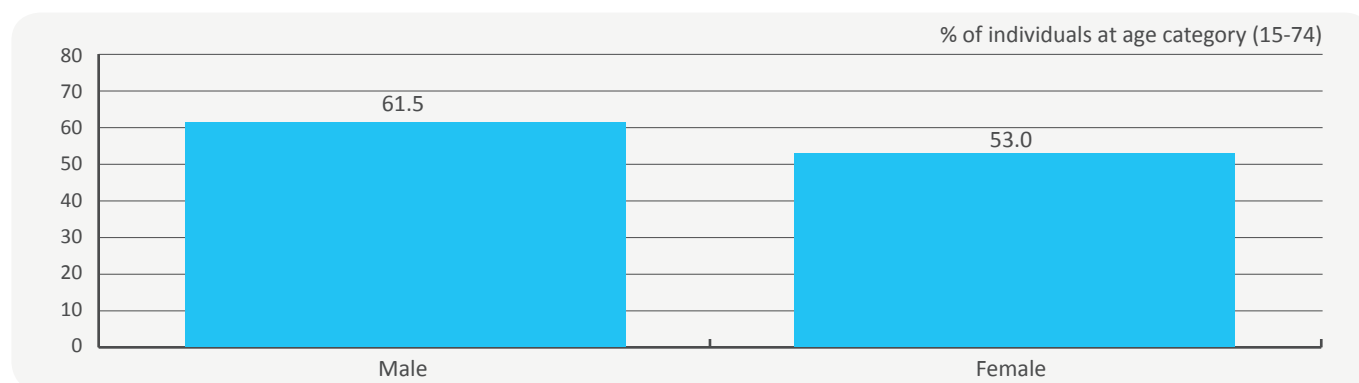
- The proportion of households with computer in urban areas is 72%, while the proportion of household in rural areas is 55.8%



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

Internet Using According to Gender

- The proportion of males using Internet is 61.5%, while the proportion of females who using internet is 53%.



Source: "Survey of ICT usage in Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2019/2020.

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

Training Track		Graduates
Professional Web Development & BI		166
Open Source Development		116
Mobile Applications Development		80
Embedded Systems		56
Enterprise and Web Applications Development		47
Systems Administration		30
Software Testing and Quality Assurance		30
User Interface Development		26
Cloud Platform Development		22
Software Architecture		20
Wireless Communications		19
Web and User Interface Development		17
Geoinformatics		17
3D Art		16
Cloud Architecture		16
Civil Engineering Informatics		16
2D Animation and Motion Graphics		16
IOT Applications Development		16
Cyber Security		16
VFX and Compositing		15
Mechatronics		15
ERP Consulting		15
Data Science		15
Telecom Applications Development		15
Game Art		14
Industrial Automation		13
Data Management		13
Digital IC Design		12
Game Programming		12
Grand Total		881

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

*According to the latest figures.

ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 98.60 million in April - June 2021, compared to 96.58 million in April - June 2020, representing an annual change rate of 2.08%.
- Mobile penetration reached 95.96 % in April - June 2021, compared to 95.73% in April - June 2020, representing an annual change rate of 0.23%.
- ADSL subscribers increased to 9.50 million in April - June 2021, compared to 7.99 million in April - June 2020, representing an annual change rate of 18.9%.

ICT Sector's Role in Development

- Proportion of households owning computers in urban areas 73.9% while the proportion of households owning computers in rural areas: 55.8%.
- The proportion of males using internet reached 61.5% while the proportion of females reached 53%.
- The proportion of males using internet for sending and receiving emails reached 94.4% while the proportion of females reached 93.2%
- The number of ITI graduates till April - June 2021 reached 13.99 thousand trainees.
- The number of graduates to receive software training till April - June 2021: 31.23 thousands graduates.