



Ministry of Communications
and Information Technology

ICT Indicators Bulletin

December 2021 | Quarterly Issue



ICT Sector's Infrastructure Indicators

The ICT Sector's Role in Development

Indicators in Brief

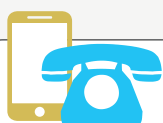
Data item	Unit	October - December 2020	July - September 2021	October - December 2021	Quarterly growth rate (%)	Annual growth rate (%)
ICT Sector: Infrastructure Indicators						
Mobile subscriptions	Million	95.357	101.02	103.45	2.409	8.49
Mobile penetration *	%	93.65	97.87	99.78	1.91	6.13
Fixed line subscriptions	Million	9.85	10.58	11.01	4.11	11.82
Fixed line penetration *	%	7.73	10.25	10.60	0.35	2.87
Mobile Internet Subscriptions	Million	52.40	62.08	63.44	2.19	21.07
USB Modem Subscriptions	Million	4.04	3.26	2.07	-36.34	-48.70
ADSL subscribers	Million	8.81	9.73	10.07	3.52	14.3
Number of post offices	Post office	4026	4088	4194	2.59	4.17
ICT Sector's Role in Development						
Capacity building program provided by ITIDA	Thousand Graduates	28.47	32.398	34.12	5.32	19.85

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

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

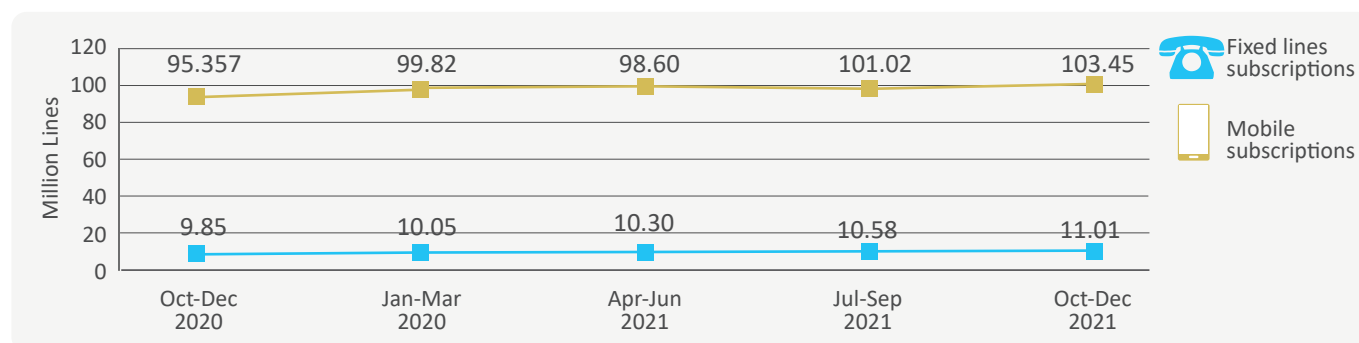
ICT Sector's Infrastructure Indicators

- Mobile subscriptions (October - December 2021): 103.45 million
- Mobile penetration (October - December 2021): 99.78%
- Fixed line subscriptions (October - December 2021): 11.01 million
- Fixed line subscriptions in urban areas (October - December 2021): 8.89 million, rural areas 2.12 million
- Internet users through mobile (October - December 2021): 63.44 million
- USB Modem users (October - December 2021): 2.07 million users
- ADSL subscribers (October - December 2021): 10.07 million
- Number of post offices (October - December 2021): 4194 Post offices
- Number of beneficiaries of pension payment service through post offices(October - December 2021): 6.27 million beneficiaries



Fixed Lines and Mobile Subscriptions

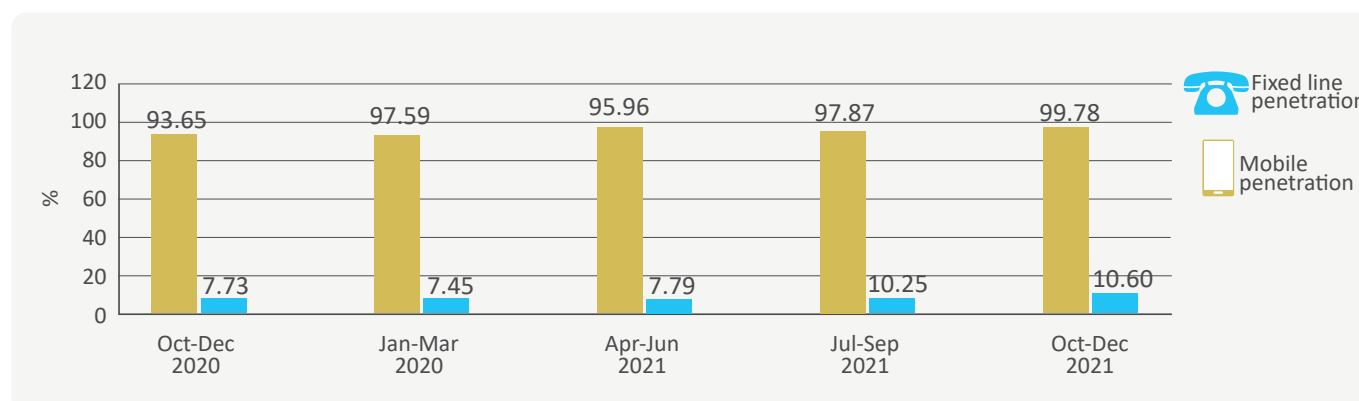
- The number of fixed line and mobile subscriptions was 114.46 million at the end of October - December 2021, compared to 105.21 million at the end of October - December 2020.
- The number of mobile subscriptions was 103.45 million at the end of October - December 2021, compared to 95.357 million at the end of October - December 2020. The mobile subscriptions recorded 90% of total telephone service.



Source: Ministry of Communications and Information Technology, Telecom Egypt.

Fixed Line and Mobile Penetration

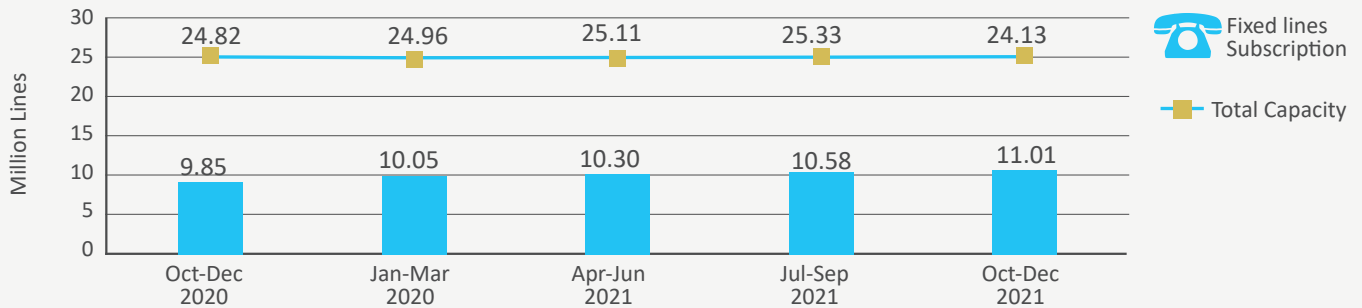
- Mobile penetration reached 99.78% at the end of October - December 2021, compared to 93.65% at the end of October - December 2020, representing an annual change rate of 6.13% . On the other hand, fixed line penetration reached about 10.60% by the end of October - December 2021.



Source: Ministry of Communications and Information Technology, Telecom Egypt.

Fixed Lines Subscription and Local Exchange Capacity

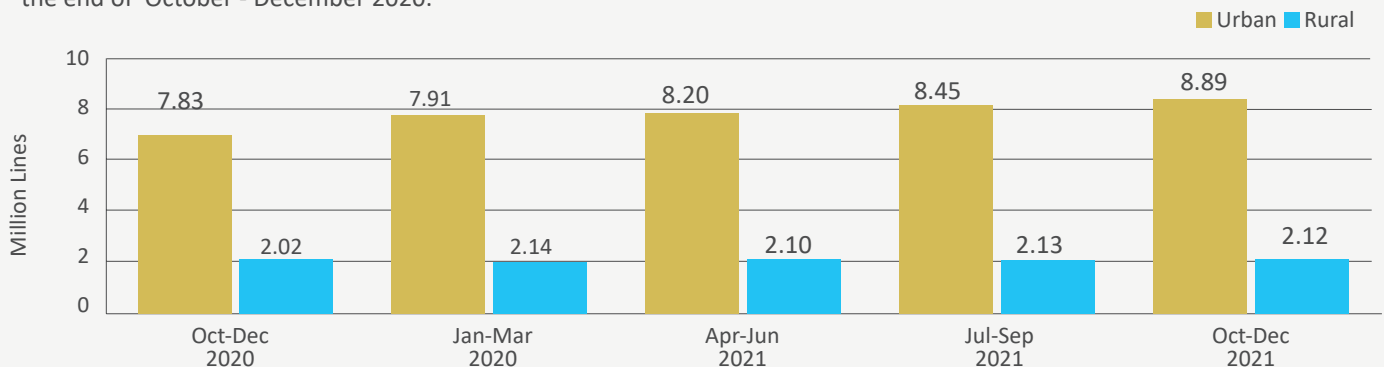
- Total number of fixed line subscriptions has reached 11.01 million subscriptions at the end of October - December 2021 compared to 9.85 million subscriptions at the end of October - December 2020.
- The capacity of local exchanges increased to 24.13 million lines at the end of October - December 2021, compared to 24.82 million at the end of October - December 2020. This represents an annual change of -0.69 million lines and an annual change rate of -2.80%.



Source: Ministry of Communications and Information Technology, and Telecom Egypt

Fixed Lines Subscription (Urban - Rural)

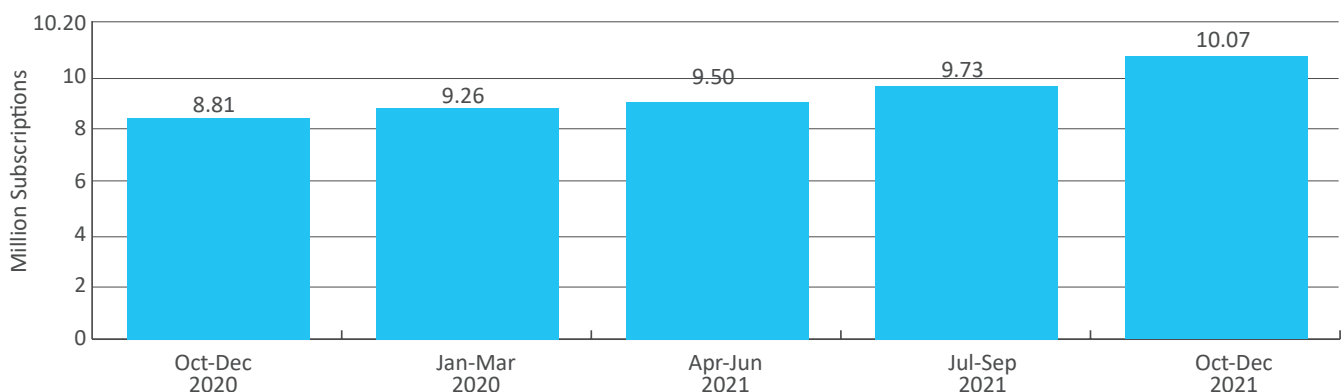
- The number of fixed line subscribers in urban areas reached 8.89 million subscribers by the end of October - December 2021 compared to 7.83 million subscribers by the end of October - December 2020, while the number of fixed line subscribers in rural areas reached 2.12 million subscribers by the end of October - December 2021 compared to 2.02 million subscribers by the end of October - December 2020.



Source: Ministry of Communications and Information Technology, and Telecom Egypt

ADSL Subscriptions

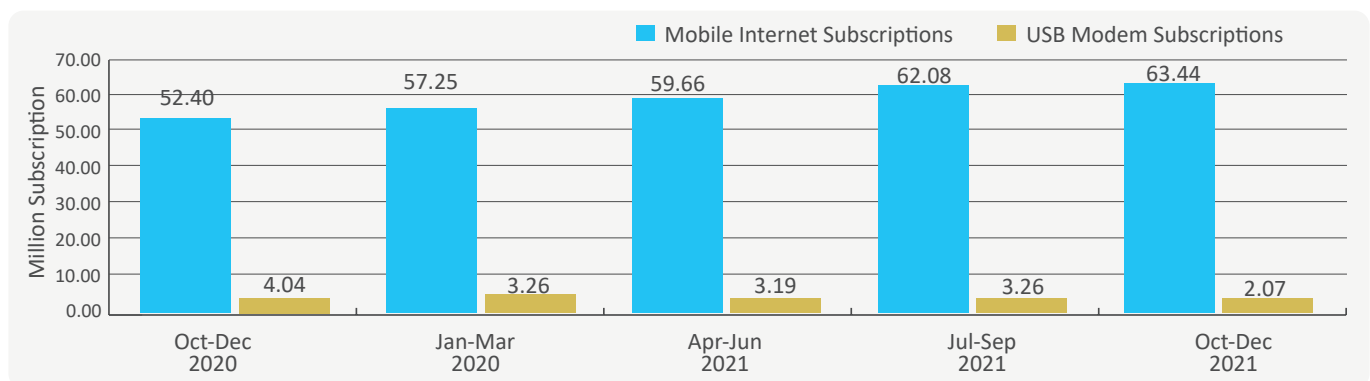
- The number of ADSL subscriptions reached 10.07 million subscriptions by the end of October - December 2021 compared to 8.81 million subscriptions at the end of October - December 2020 with an annual change 1.26 million and annual change rate 14.3%.



Source: Ministry of Communications and Information Technology, and Telecom Egypt

Mobile Internet and USB Modem Subscriptions

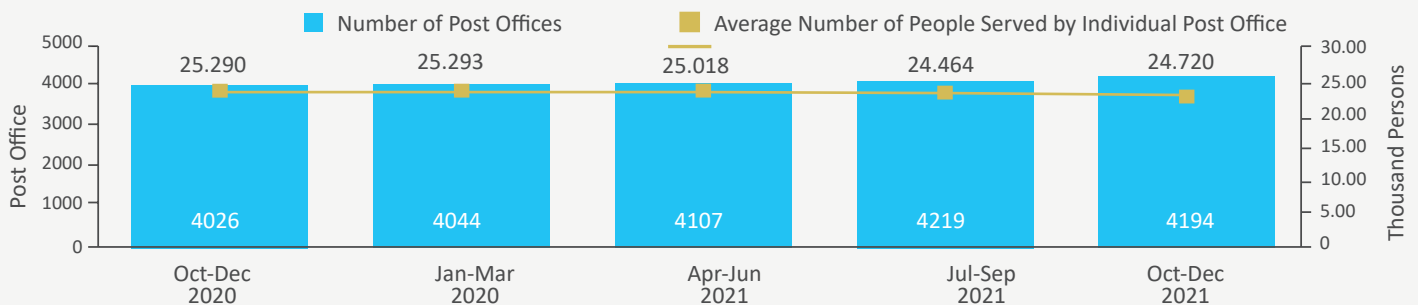
- The number of mobile internet subscriptions reached 63.44 Million Subscriptions by the end of October – December 2021 compared to 52.40 Million Subscriptions at the end of October – December 2020
- The number of USB Modem subscriptions reached 2.07 Million Subscriptions by the end of October – December 2021 compared to 4.04 Million Subscriptions at the end of October – December 2020.



Source: Ministry of Communications and Information Technology

Post Offices

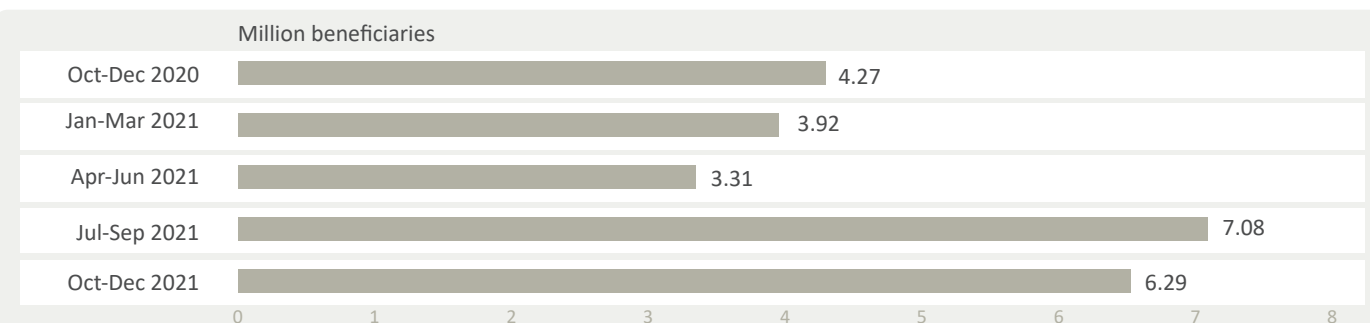
- The total number of post offices increased to 4194 at the end of October - December 2021, compared to 4026 at the end of October - December 2020, reflecting an annual growth rate of 4.17%.
- The average number of people served by individual post offices was 24,720 thousand persons at the end of October - December 2021, compared to 25,290 thousand persons at the end of October - December 2020, representing an annual change rate of -2.25%.



Source: Ministry of Communications and Information Technology, and Egypt Post

Number of Pensions Distributed through Postal Offices

- Number of beneficiaries of pensions distributed through postal offices has increased to about 6.29 million beneficiaries in October - December 2021 compared to 4.27 million beneficiaries in October - December 2020.

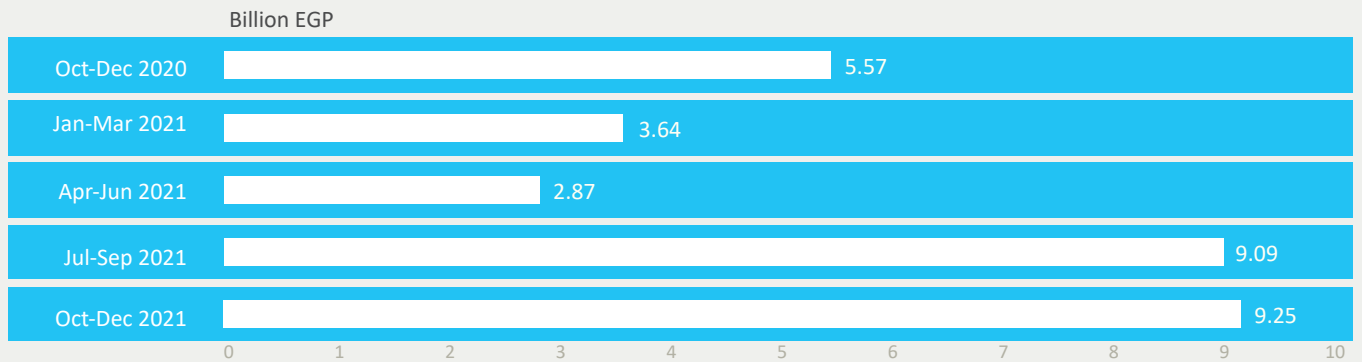


Source: Ministry of Communications and Information Technology, and Egypt Post

* The reason for the increase in the number of pension beneficiaries is the expansion in post offices and the great reliability on Egypt Post as a gateway to providing government services.

Value of Pensions Distributed through Post Offices

- The value of pensions distributed through postal offices reached 9.25 billion EGP beneficiaries in October - December 2021 compared to 5.57 billion EGP in October - December 2020.

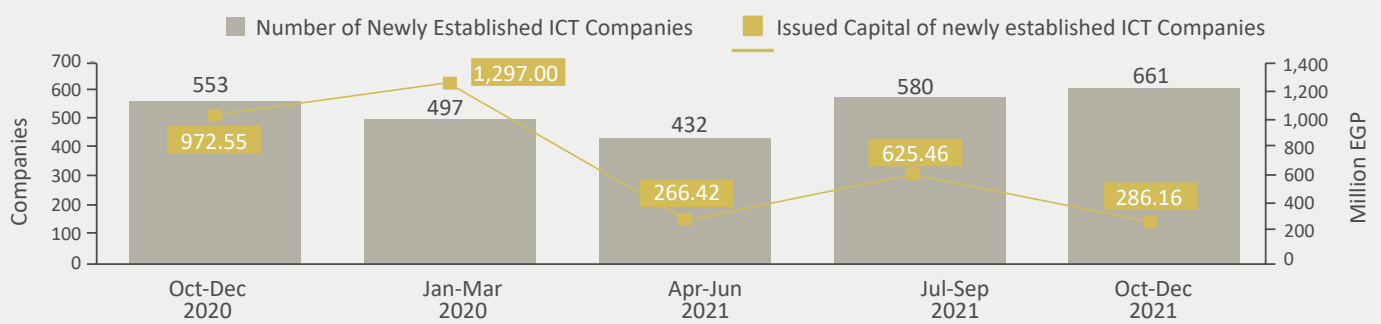


Source: Ministry of Communications and Information Technology, and Egypt Post

- * The reason for the increase in the value of pensions is the expansion in post offices and the great reliability on Egypt Post as a gateway to providing government services.

Number of Newly Established ICT Companies and Issued Capital

- The number of newly established ICT companies reached 661 companies in October - December 2021 compared to 553 companies in October - December 2020.
- The number of issued capital of newly established ICT companies reached 286.16 million EGP in October - December 2021 compared to 972.55 million EGP in October - December 2020.

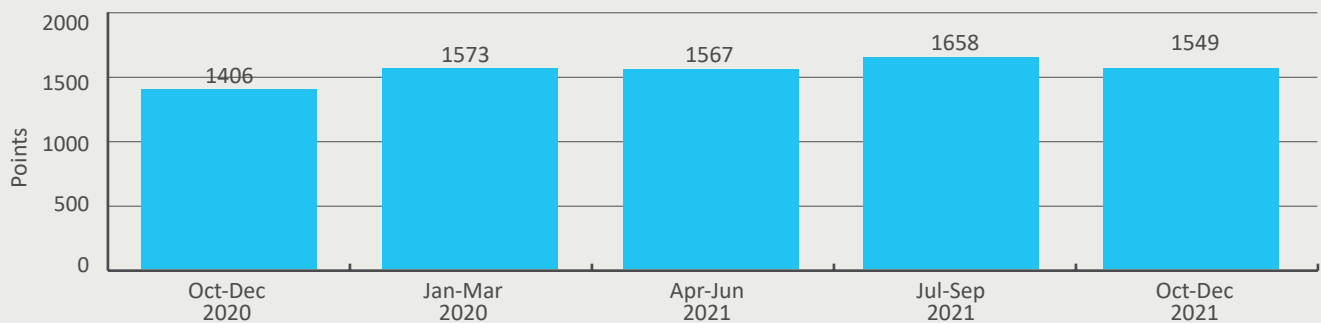


Source: General Authority for Free Zones and Investment (GAFI)



Egypt's Stock Exchange Telecommunications Index *

- The telecommunications index in Egypt's Stock Exchange reached 1549 points during October - December 2021 compared to 1406 points during October - December 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.

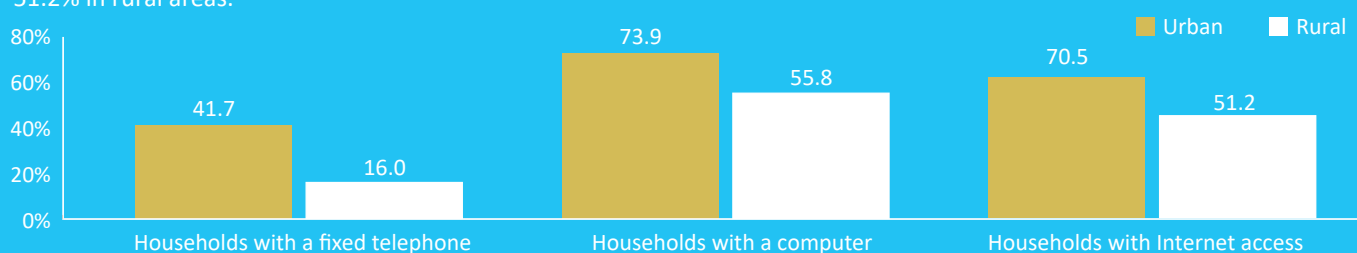
Source: Egypt's Stock Exchange

The ICT Sector's Role in Development

- Proportion of households owning computers in urban areas: 73.9%
- Proportion of households accessing 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 Internet from home in rural areas: 51.2%
- Number of graduates to receive software training by ITIDA till December 2021: 34.12 thousand trainees
- Number of graduates of ITI till December 2021: 14.77 thousand trainees.

Infrastructure for Use of Communications and Information Technology in Egyptian Households

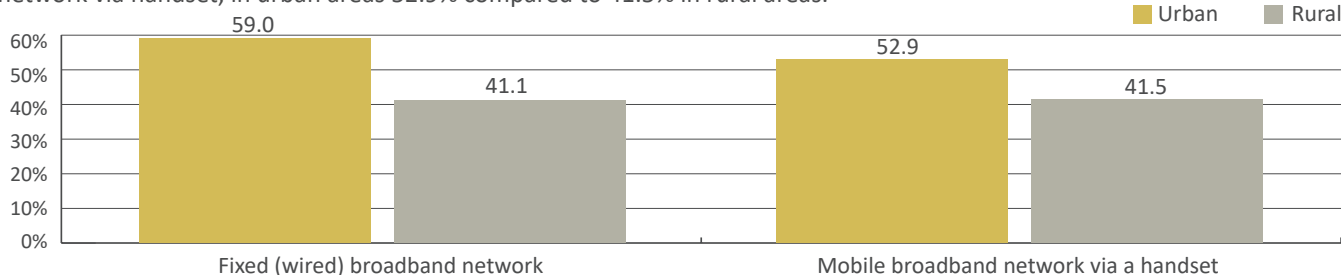
- By comparing the uses of ICT tools in Egyptian households in urban and rural areas, the percentage of households that own a fixed phone was 41.7% in urban areas, compared to 16%, in rural areas, and households that owned a computer were 73.9% in urban areas compared to 55.8% in rural areas. The use 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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

Household Internet Access at Home according to Type of Access Mode

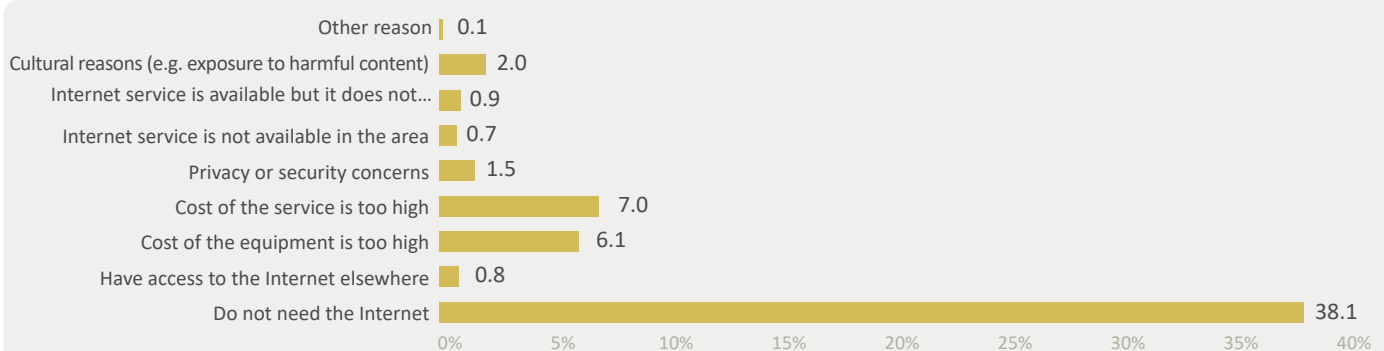
- Comparing the percentages of Egyptian households connected to the Internet from home according to the means of communication in urban and rural areas, the percentage of households using a fixed (wired) broadband network in urban areas was 59%, compared to 41.1% in rural areas, followed by the percentage of households that use mobile broadband network via 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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

Reasons for Not Having Internet Access

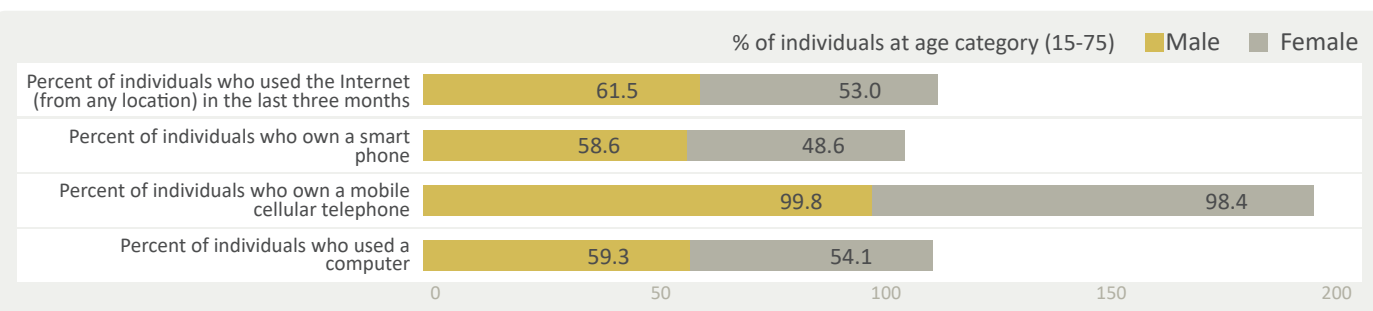
- One of the most important reasons for not using the internet from home is that families do not need internet from home by 38%, followed by the high cost of service and equipment cost 7% and 6.1% respectively. While the rest of the causes ranged from 0.1 to 2%.



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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

ICT Usage for Individuals by Gender

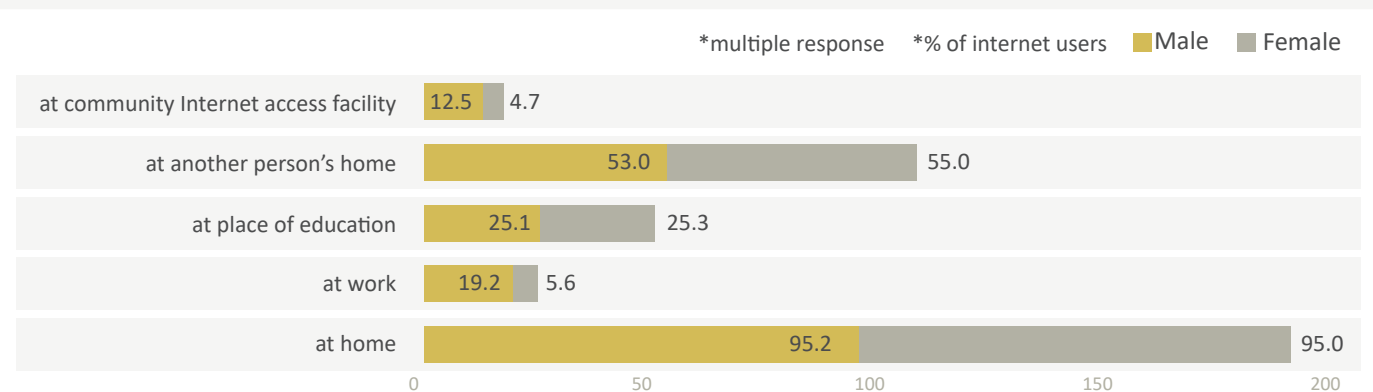
- By comparing the uses of communications and information technology of internet users, we found that the usage of males are superior to that of females. The percentage of computer usage was 59.3% for males compared to 54.1% for females, internet usage was 61.5% for males compared to 53% for females, 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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

Individuals Who Used Internet in Last Three Months according to Location of Use % of Internet Users by Gender

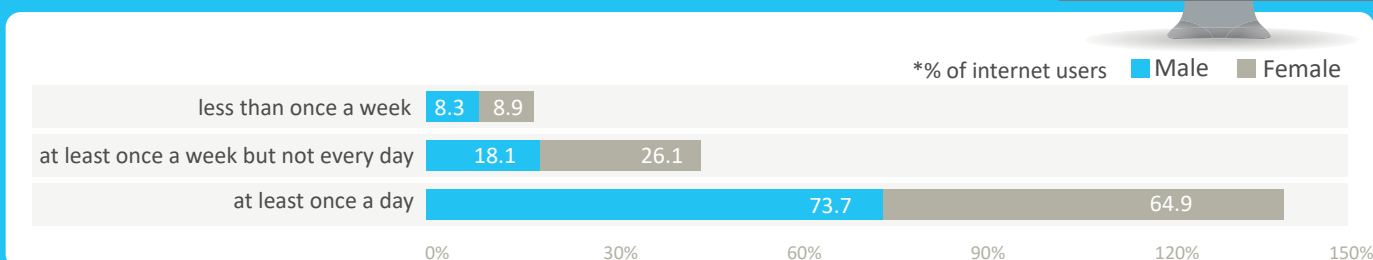
- By comparing the places where internet users use the Internet, we found that the ratios between males and females are similar in some indicators. The percentage of internet usage from home was 95.2% for males compared to 95% for females, the percentage of usage through educational institutions was 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 at work 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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

Individuals Who Used Internet (From Any Location) in Last Three Months, by Frequency % of Internet Users by Gender

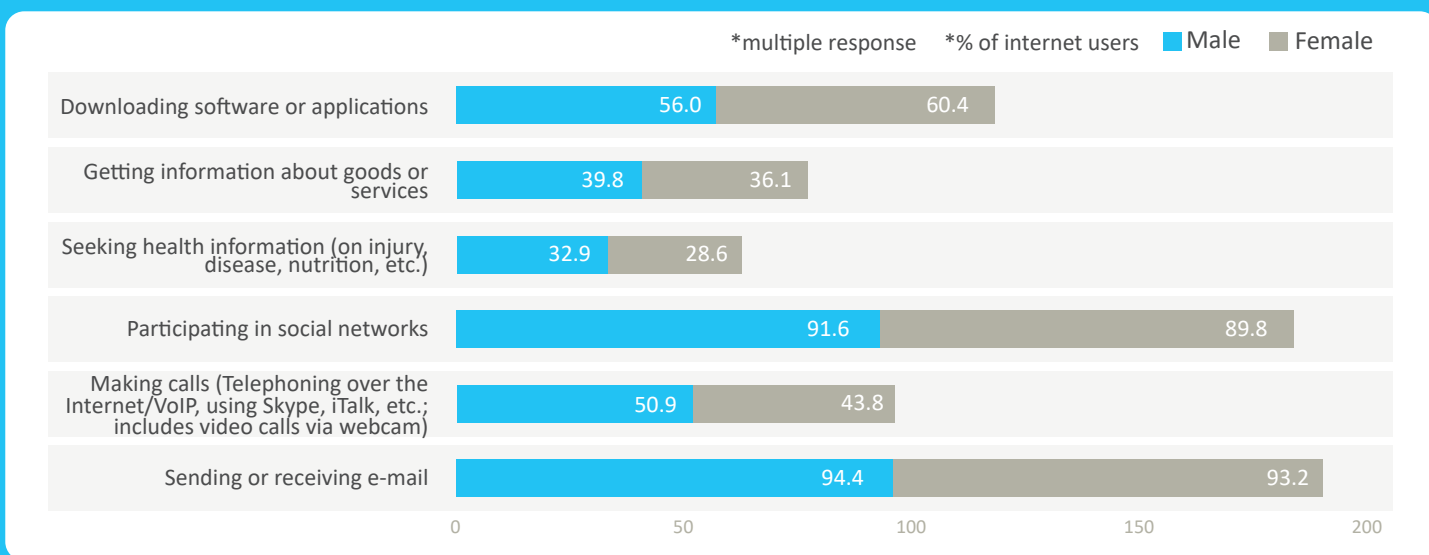
- By comparing the frequencies of dealing with the Internet between male and female, the indicator of dealing with the Internet on a daily basis was 73.7% for males compared to 64.9% for females. The percentage of dealing on a weekly basis was 18.1% for males compared to 26.1% for females, while dealing 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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

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

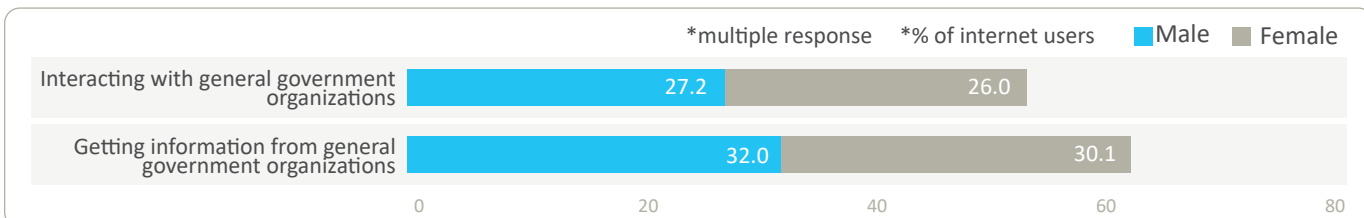
- Comparison of Internet use between males and females. Sending and receiving e-mail came in first place, 94.4% for males compared to 93.2 for females, and the social media participation indicator was 91.6% for males compared to 89.8 for females, followed by downloading programs and applications 56% 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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

E-government Fields

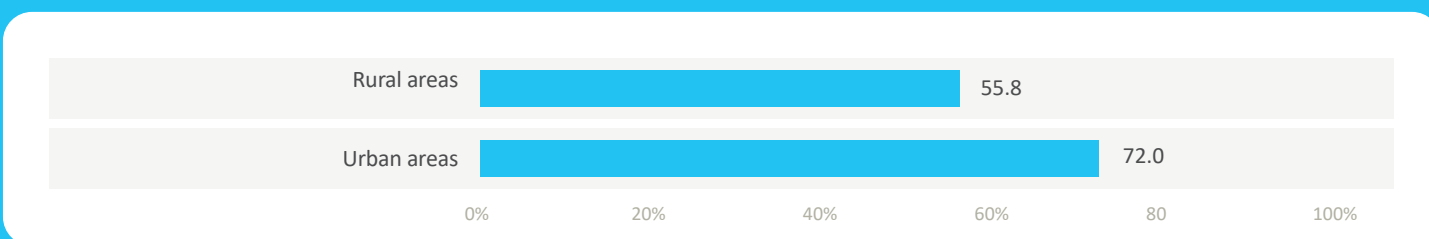
- By comparing the use of e-government between males and females, we found a convergence in the percentages of use between males and females. The indicator of obtaining information from general government agencies was 32% for males compared to 30.1% for females, followed by dealing with government institutions 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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

Households with Computer according to Urban/Rural

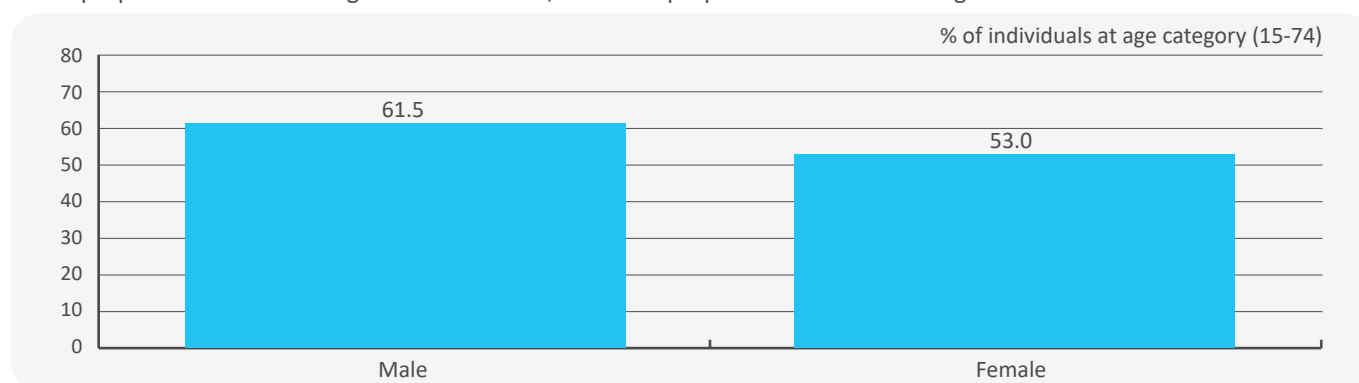
- The proportion of households with computer in urban areas is 72%, while the proportion of household in rural areas is 55.8%



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 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 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 Public Mobilization and Statistics (CAPMAS), 2019/2020.

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

Training Track		July – Sep. 2021
Professional Web Development and BI		159
Open Source Applications Development		87
Mobile Applications Development		54
Software Testing and Quality Assurance		30
Systems Administration		30
Enterprise and Web Applications Development (Java)		23
Software Architecture		20
Cyber Security		20
Cloud Platform Development		20
Mobile Applications Development (Cross Platform)		20
Telecom Applications Development		19
IOT Applications Development		19
User Interface Development		18
Cloud Architecture		18
Embedded Systems		18
VFX and Compositing		18
2D Animation and Motion Graphics		18
Data Management		17
Web and User Interface Development		17
Wireless Communications		16
3D Art		16
Mobile Applications Development (Native)		15
ERP Consulting		15
Industrial Automation		14
Geoinformatics		14
Digital IC Design		13
Game Art		12
Data Science		12
Civil Engineering Informatics		12
Enterprise and Web Applications Development (Microsoft)		10
Game Programming		10
Grand Total		784

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

ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 103.45 million in October - December 2021, compared to 95.357 million in October - December 2020, representing an annual change rate of 8.49%.
- Mobile penetration reached 99.78 % in October - December 2021, compared to 93.65% in October - December 2020, representing an annual change rate of 6.13%.
- ADSL subscribers increased to 10.07 million in October - December 2021, compared to 8.81 million in October - December 2020, representing an annual change rate of 14.3 %.

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 was 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 October - December 2021 reached 14.77 thousand trainees.
- The number of graduates to receive software training till October - December 2021: 34.12 thousand graduates.