Ministry of Communications and Information Technology

ICT Indicators Bulletin

March 2022 | Quarterly Issue

ICT Sector's Infrastructure Indicators

The ICT Sector's Role in Development

Indicators in Brief

Data item	Unit	January - March 2021	October - December 2021	January - March 2022	Quarterly growth rate (%)	Annual growth rate (%)
ICT Sector: Infrastructure Indicators						
Mobile subscriptions	Million	99.82	103.45	94.15 **	-8.992	-5.69
Mobile penetration *	%	97.59	99.78	90.40	-9.38	-7.19
Fixed line subscriptions	Million	10.05	11.01	11.17	1.46	11.24
Fixed line penetration *	%	7.45	10.60	10.73	0.13	3.28
Mobile Internet subscriptions	Million	57.25	63.44	64.58	1.80	12.81
USB Modem subscriptions	Million	3.26	2.07	2.19	5.67	-32.70
ADSL subscribers	Million	9.26	10.07	10.34	2.64	11.6
Number of post offices	Post Office	4044	4194	4230	0.86	4.60
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 based on the difference between penetration rates in different time intervals.
** The decrease in mobile subscriptions and penetration is attributed to following the ITU methodology of publishing active instead of registered lines subscriptions.
*** Previous Quarterly Data

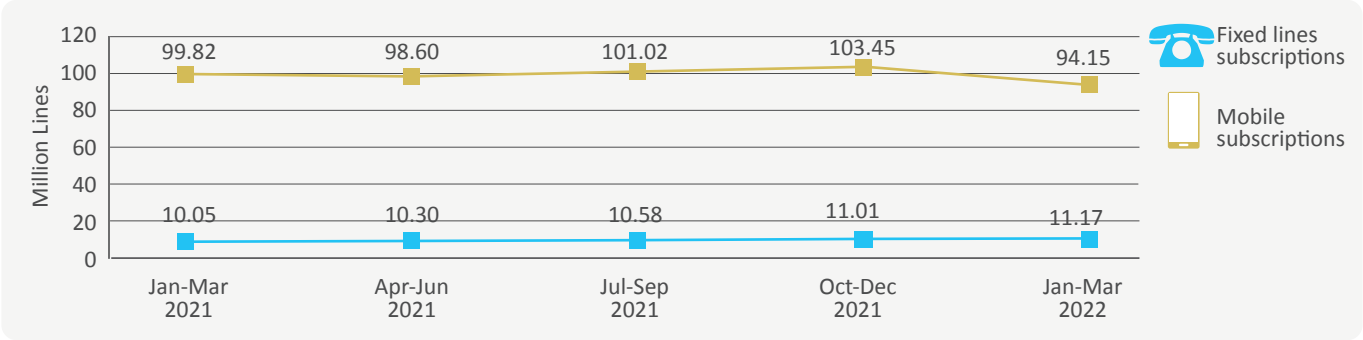
- The proportion of individuals using internet reached 57.3% according to "ICT access and use by households and individuals 2019/2020"

ICT Sector's Infrastructure Indicators

- Mobile subscriptions (January - March 2022): 94.15 million
- Mobile penetration (January - March 2022): 90.40%
- Fixed line subscriptions (January - March 2022): 11.17 million
- Fixed line subscriptions in urban areas (January - March 2022): 9.19 million, rural areas 1.98 million
- Internet users through mobile (January - March 2022): 64.58 million
- USB Modem users (January - March 2022): 2.19 million users
- ADSL subscribers (January - March 2022): 10.34 million
- Number of post offices (January - March 2022): 4230 Post offices
- Number of beneficiaries of the pension payment service through post offices (January - March 2022): 6.01 million beneficiaries

Fixed Lines and Mobile Subscriptions

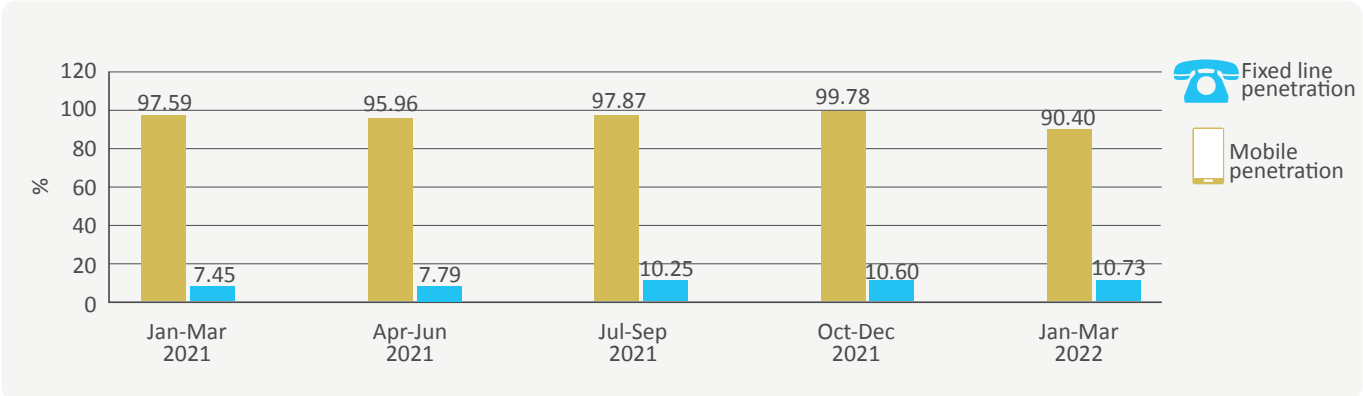
- The number of fixed line and mobile subscriptions was 105.32 million at the end of January - March 2022, compared to 109.87 million at the end of January - March 2021.
- The number of mobile subscriptions was 94.15 million at the end of January - March 2022, compared to 99.82 million at the end of January - March 2021. Mobile subscriptions recorded 90% of the total telephone service.



Source: Ministry of Communications and Information Technology, Telecom Egypt

Fixed Line and Mobile Penetration

- Mobile penetration reached 90.40% at the end of January - March 2022, compared to 97.59% at the end of January - March 2021, representing an annual change rate of -7.19% . On the other hand, fixed line penetration reached about 10.73% by the end of January - March 2022.

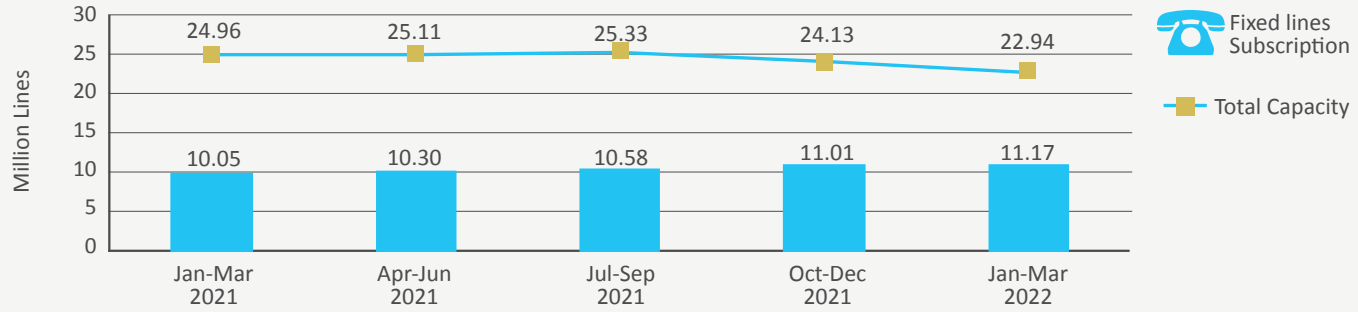


Source: Ministry of Communications and Information Technology, Telecom Egypt

Fixed Lines Subscription and Local Exchange Capacity

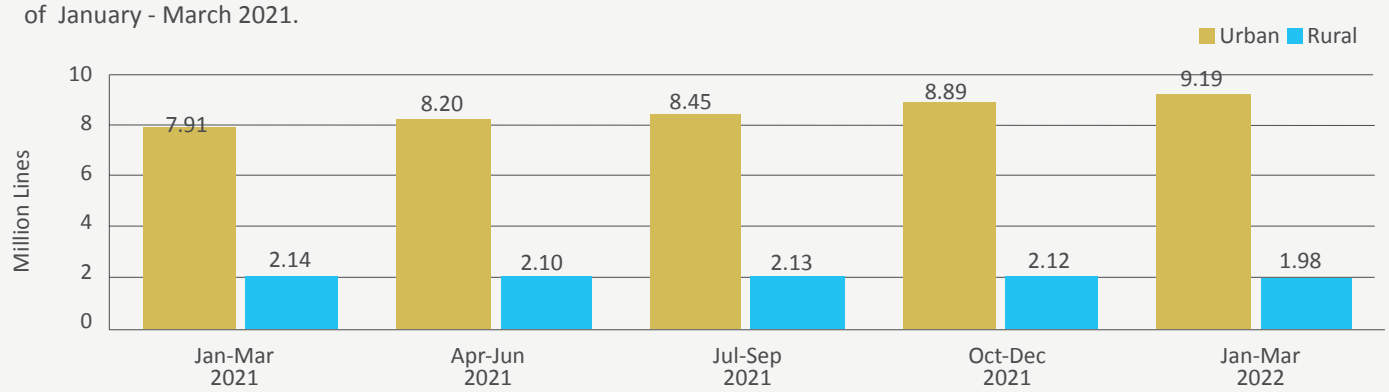
- The total number of fixed line subscriptions has reached 11.17 million subscriptions at the end of January - March 2022, compared to 10.05 million subscriptions at the end of January - March 2021.
- The capacity of local exchanges reached 22.94 million lines at the end of January - March 2022, compared to 24.96 million at the end of January - March 2021. This represents an annual change of -2.02 million lines and an annual change rate of -8.09%.

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



Fixed Lines Subscription (Urban - Rural)

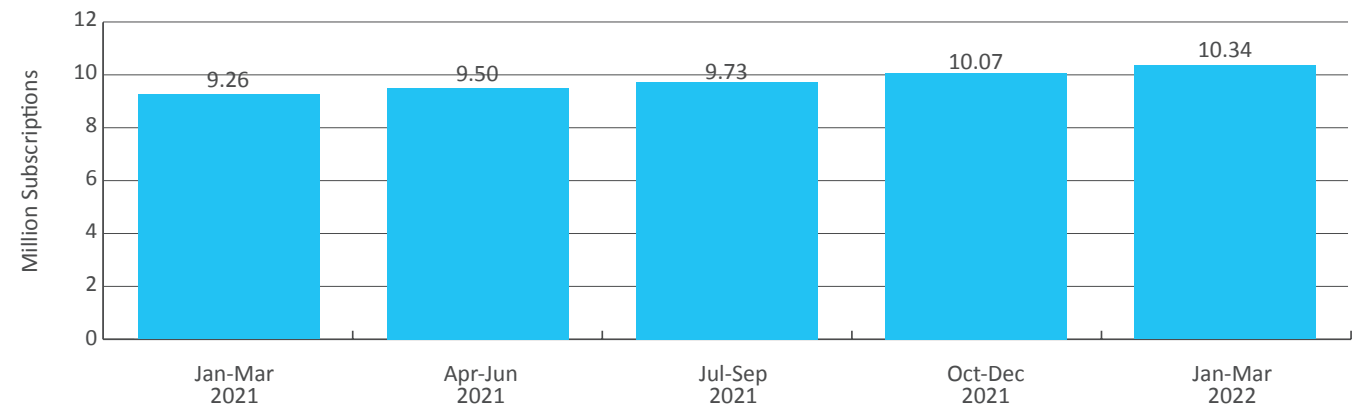
- The number of fixed line subscribers in urban areas reached 9.19 million subscribers by the end of January - March 2022 compared to 7.91 million subscribers by the end of January - March 2021, while the number of fixed line subscribers in rural areas reached 1.98 million subscribers by the end of January - March 2022 compared to 2.14 million subscribers by the end of January - March 2021.



Source: Ministry of Communications and Information Technology and Telecom Egypt

ADSL Subscriptions

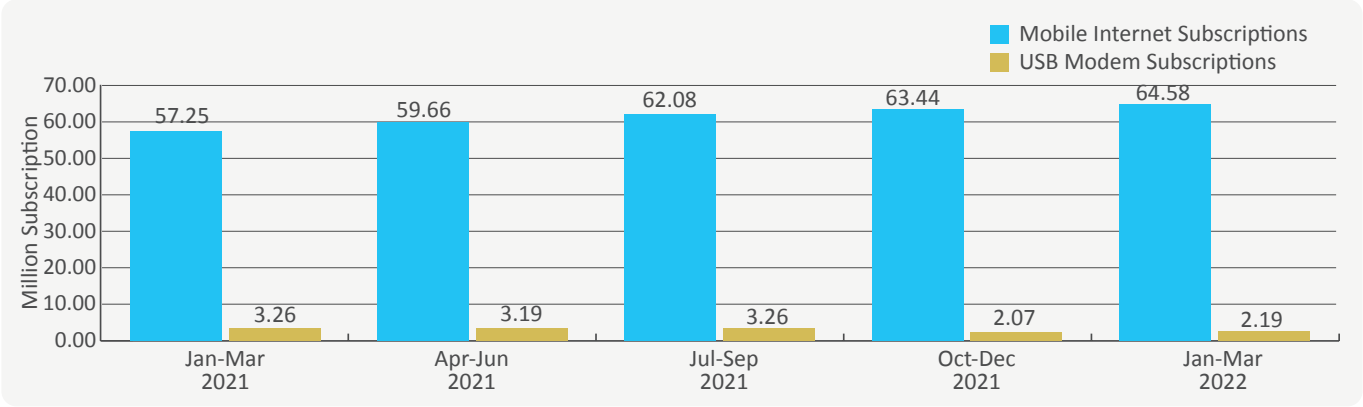
- The number of ADSL subscriptions reached 10.34 million subscriptions by the end of January - March 2022 compared to 9.26 million subscriptions at the end of January - March 2021 with an annual change of 1.08 million and annual change rate of 11.6 %.



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

Mobile Internet and USB Modem Subscriptions

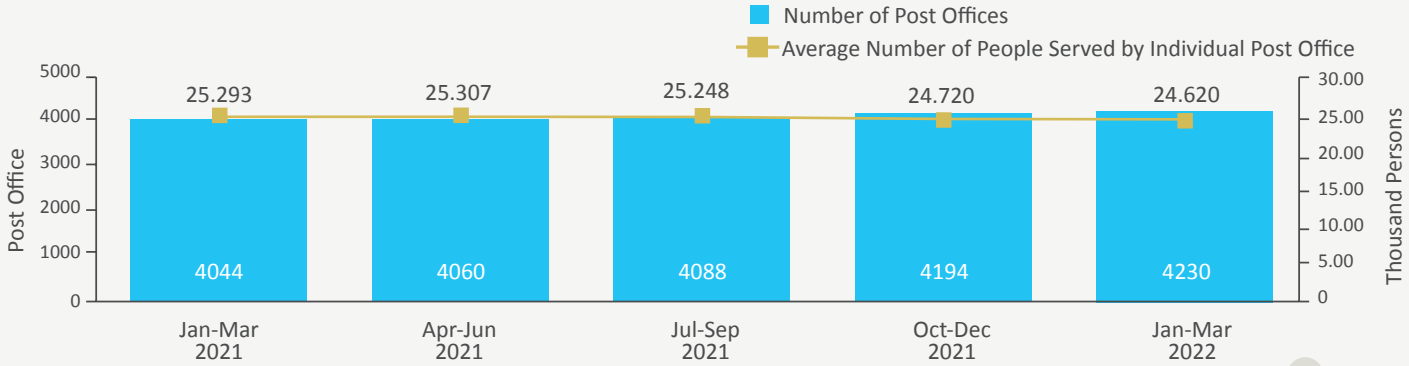
- The number of mobile internet subscriptions reached 64.58 million subscriptions by the end of January - March 2022 compared to 57.25 million subscriptions at the end of January - March 2021.
- The number of USB Modem subscriptions reached 2.19 million subscriptions by the end of January - March 2022 compared to 3.26 million subscriptions at the end of January - March 2021.



Source: Ministry of Communications and Information Technology

Post Offices

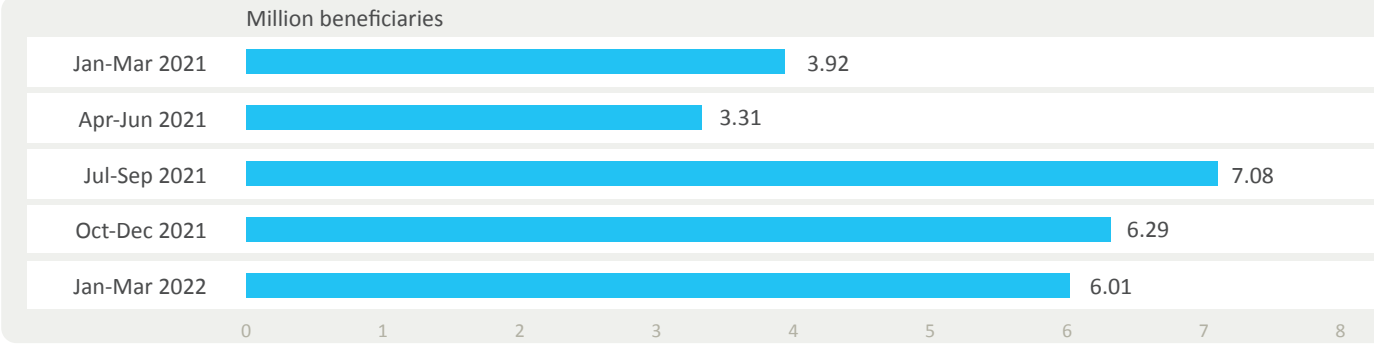
- The total number of post offices increased to 4230 at the end of January - March 2022, compared to 4044 at the end of January - March 2021, reflecting an annual growth rate of 4.60%.
- The average number of people served by individual post offices was 24,620 thousand persons at the end of January - March 2022, compared to 25,293 thousand persons at the end of January - March 2021, representing an annual change rate of -2.66%.



Source: Ministry of Communications and Information Technology and Egypt Post

Number of Pensions Distributed through Post Offices

- The number of beneficiaries of pensions distributed through post offices has increased to about 6.01 million beneficiaries in January - March 2022 compared to 3.92 million beneficiaries in January - March 2021.

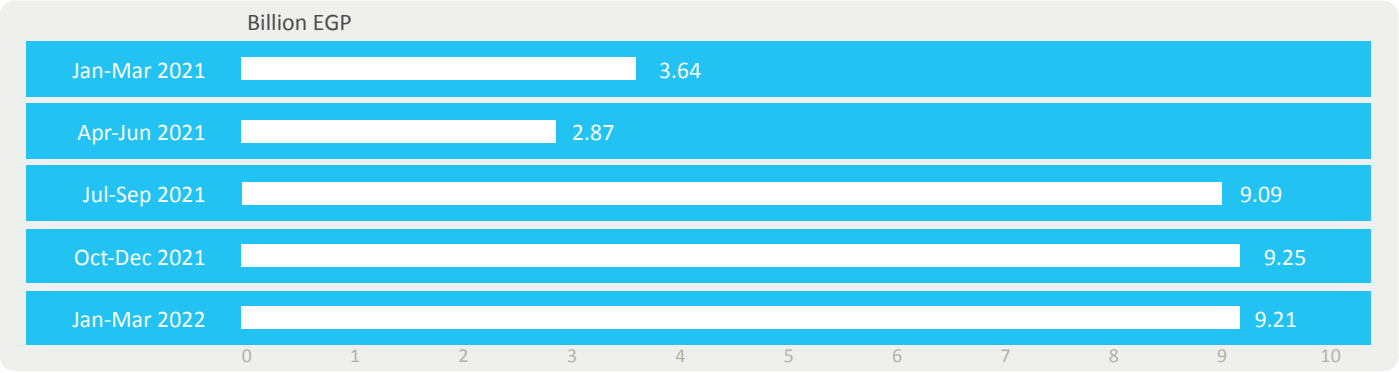


Source: Ministry of Communications and Information Technology and Egypt Post.

* The reason behind the increase in the number of pensions is attributed to the expansion of 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 post offices reached 9.21 billion EGP beneficiaries in January - March 2022 compared to 3.64 billion EGP in January - March 2021.

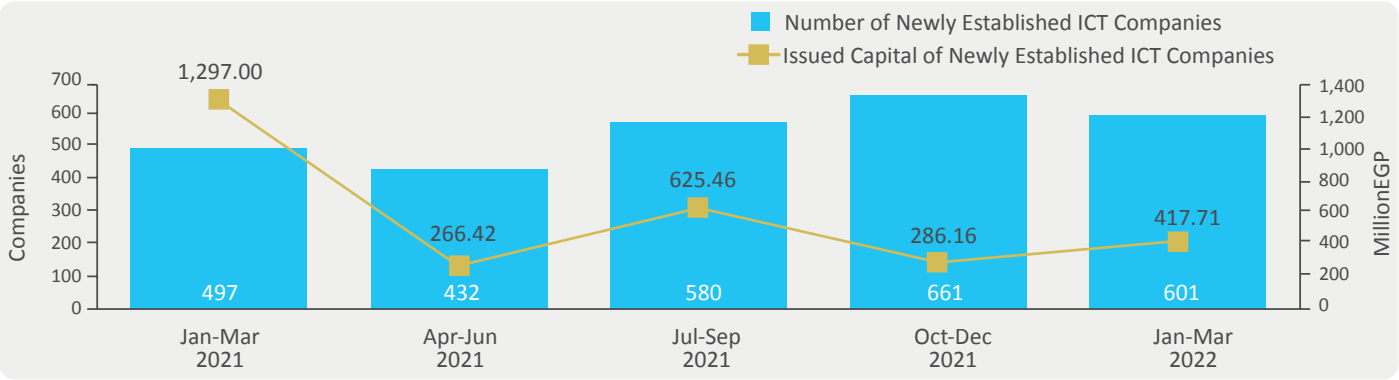


Source: Ministry of Communications and Information Technology and Egypt Post.

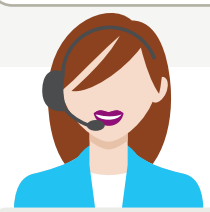
* The reason behind the increase in the number of pensions is attributed to the expansion of post offices and the great reliability on Egypt Post as a gateway to providing government services.

Number of Newly Established ICT Companies and Issued Capital

- The number of newly established ICT companies reached 601 companies in January - March 2022 compared to 497 companies in January - March 2021.
- Issued capital of newly established ICT companies reached 417.71 million EGP in January - March 2022 compared to 1297 million EGP in January - March 2021.

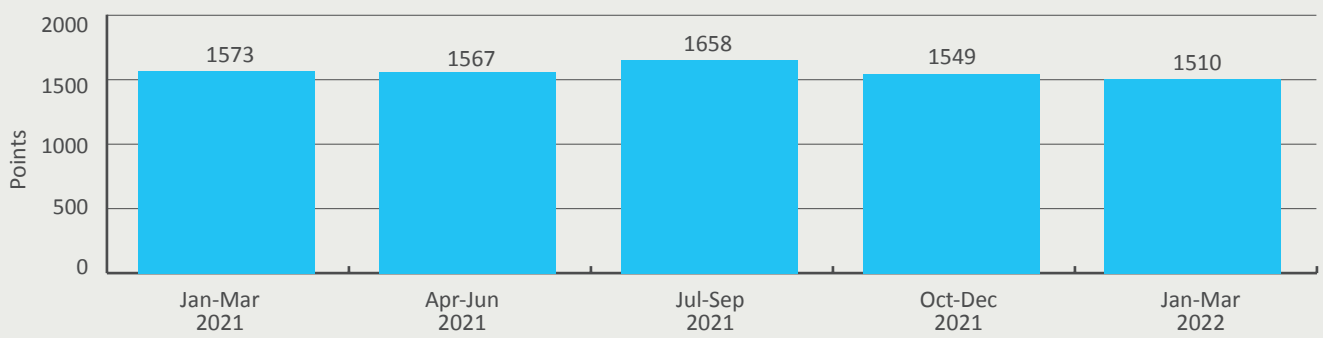


Source: General Authority for Investment GAFI



Egypt's Stock Exchange Telecommunications Index

- The telecommunications index in Egypt's Stock Exchange reached 1510 points during January - March 2022 compared to 1573 points during January - March 2021.



Source: Egypt's Stock Exchange

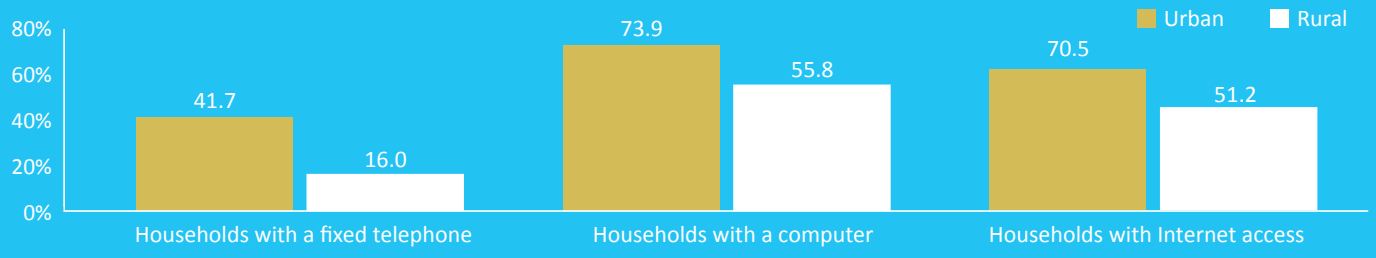
The IT, Media and Communication Services Index includes seven companies: Raya Contact Center, Fawry for Banking Technology and Electronic Payment, Egyptian Media Production City, Telecom Egypt, Egyptian Satellites (NileSat), Orascom Investment Holding (OIH), and eFinance.

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 who received the software training by ITIDA till December 2021: 34.12 thousand trainees
- Number of graduates of ITI till March 2022: 14.77 thousand trainees

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

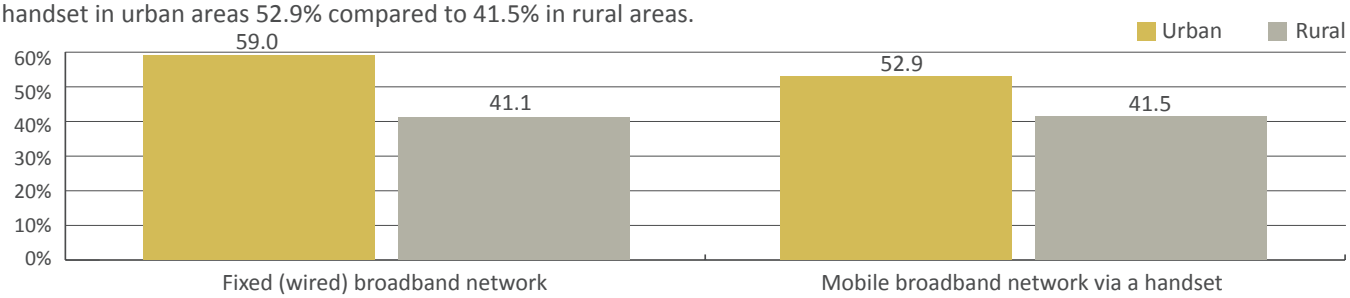
- By comparing the uses of ICT tools in Egyptian households at the urban and rural, the percentage of households that own a fixed phone was 41.7% in urban areas compared to rural areas 16%, and households that owned a computer were 73.9% in urban areas compared to rural areas 55.8% and the use of the 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 Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Government and Public Mobilization and Statistics (CAPMAS) 2019/2020.

Households Internet Access at Home by Type of Access Mode

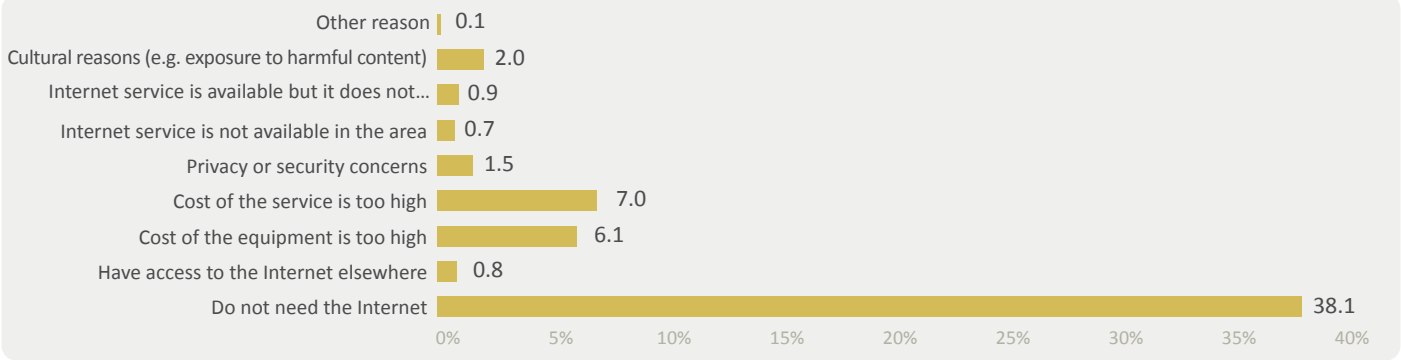
- Comparing the percentages of Egyptian families connected to the Internet from home according to the means of communication at the urban and rural, the percentage of households using a fixed (wired) broadband network in urban areas was 59% compared to 41.1% in rural areas, followed by the percentage 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 Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Government and Public Mobilization and Statistics (CAPMAS), 2019/2020.

Reasons for Not Having Internet access

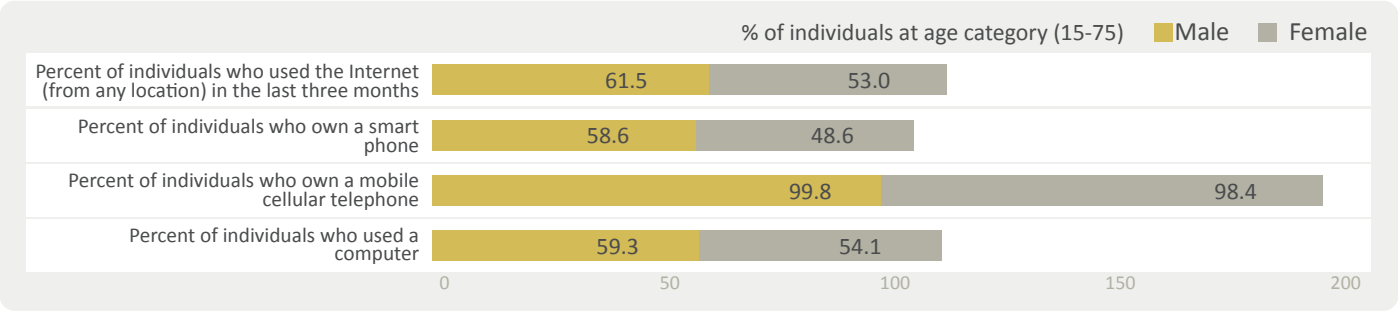
- One of the most important reasons for not using internet from home is that families do not need internet from home by 38%, followed by the high cost of service and equipment cost 7% and 6.1% respectively. The rest of the causes ranged from 0.1 to 2%.



Source: "Survey of ICT usage in households and individuals" conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Government and 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 uses 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.



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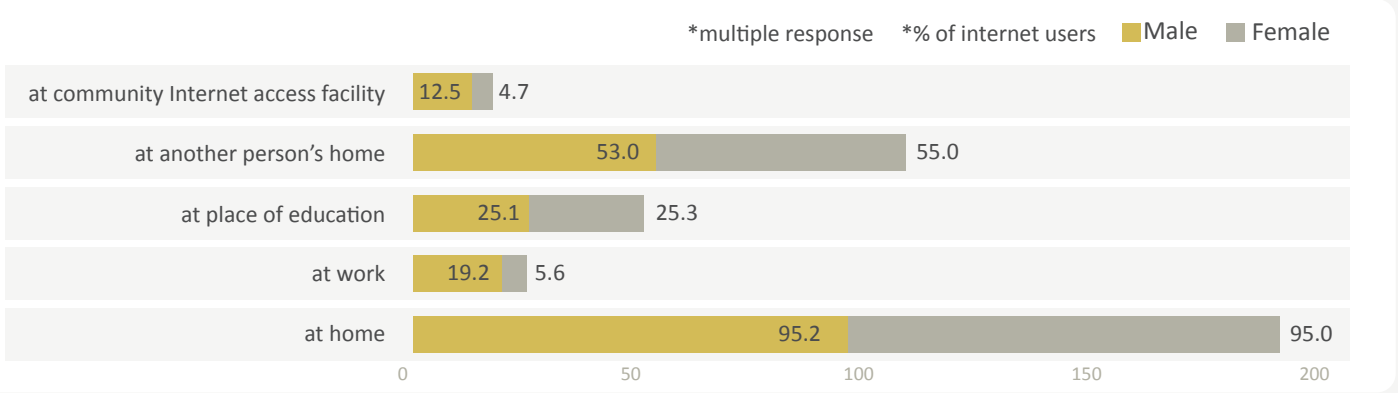
Individuals Who Used Internet in the Last Three Months by Location of Use % of Internet Users by Gender

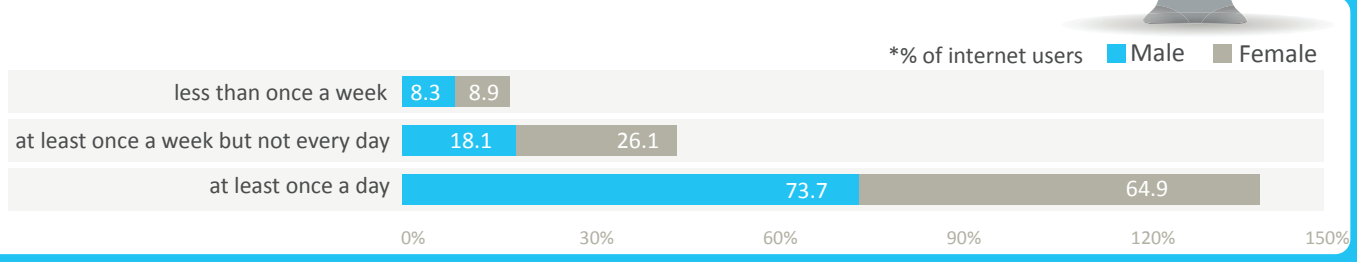
- By comparing the places where internet users use the Internet, we found that the ratios between males and females are similar in some indicators. The percentage of Internet usage from home was 95.2% for males compared to 95% for females, the percentage of usage through educational institutions was 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 Internet through workplace 19.2% for males compared to 5.6% for females, and the indicator of using 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 Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Government and Public Mobilization and Statistics (CAPMAS), 2019/2020.

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

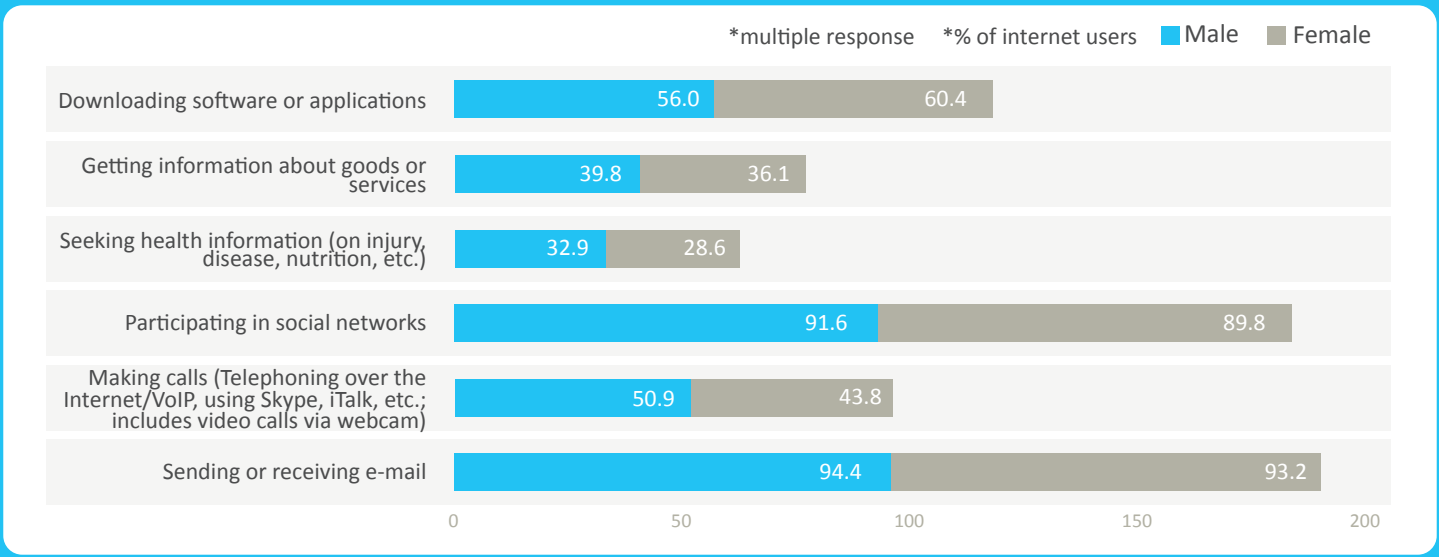
- By comparing the frequencies of dealing with the Internet between male and female, the indicator of dealing with the Internet on a daily basis was 73.7% for males compared to 64.9% for females. The percentage of dealing on a weekly basis was 18.1% for males compared to 26.1% for females, while dealing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

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

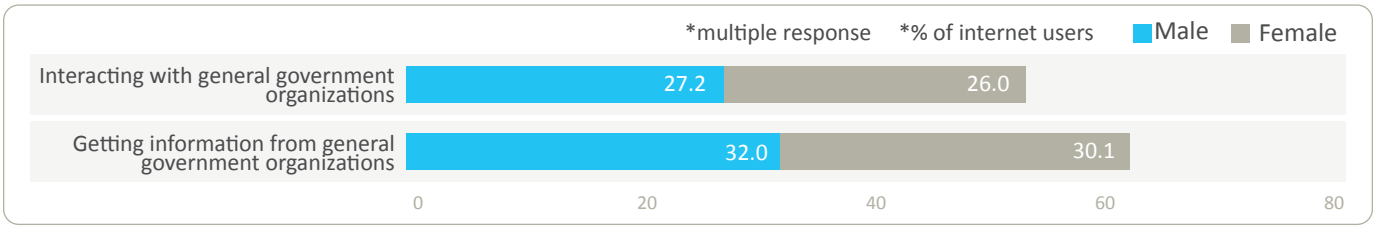
- Comparison of Internet use between males and females: sending and receiving e-mails came in first place, 94.4% for males compared to 93.2 for females, and the social media participation indicator was 91.6% for males compared to 89.9 for females, followed by downloading programs and applications 56% 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 Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Government and Public Mobilization and Statistics (CAPMAS), 2019/2020.

E-government Fields

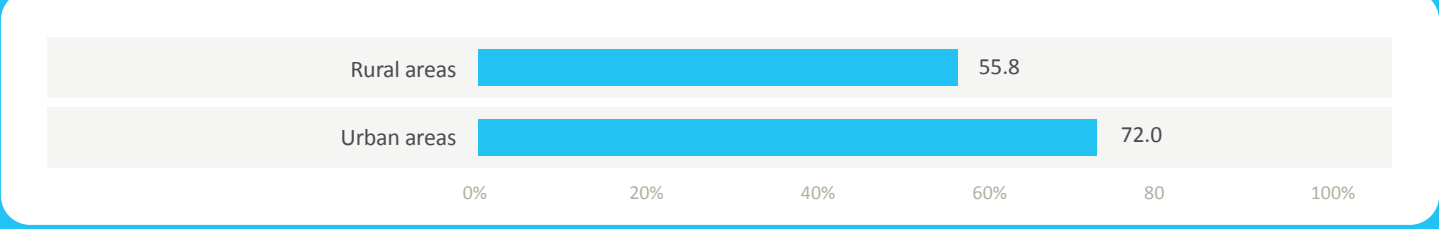
- By comparing the use of e-government between males and females, we found a convergence in the percentages of use between males and females. The indicator of obtaining information from general government agencies was 32% for males compared to 30.1% for females, followed by dealing with government institutions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



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

Households with Computer According to (Urban/Rural)

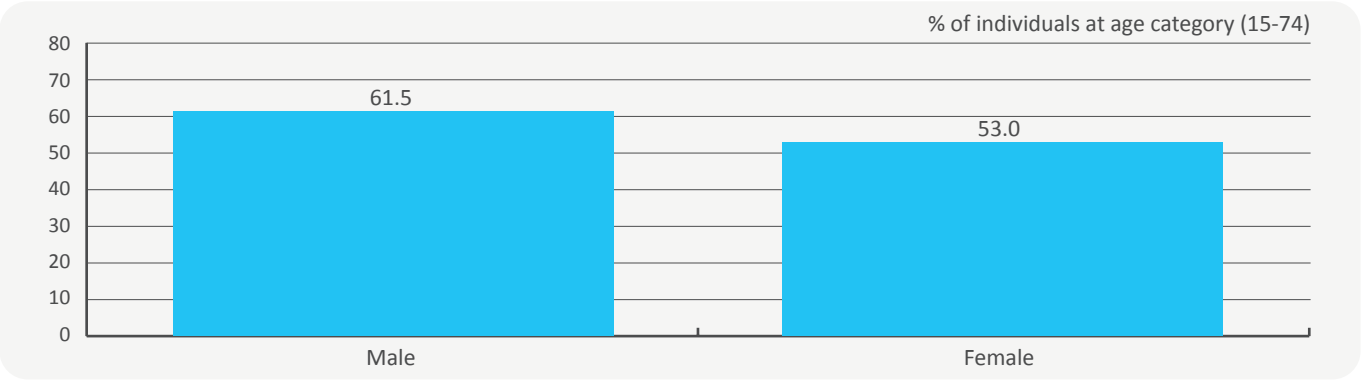
- The proportion of households with computer in urban is 72%, while the proportion of household in rural areas is 55.8%



Source: "Survey of ICT usage in households and individuals" conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Government and 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 Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Government and 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
Total		**784**

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

ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 94.15 million in January - March 2022, compared to 99.82 million in January - March 2021, representing an annual change rate of -5.69%.
- Mobile penetration reached 90.40 % in January - March 2022, compared to 97.59% in January - March 2021, representing an annual change rate of -7.19%.
- ADSL subscribers increased to 10.34 million in January - March 2022, compared to 9.26 million in January - March 2021, representing an annual change rate of 11.6 %.

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 January - March 2022 reached 14.77 thousand trainees.
- The number of graduates to receive software training till October - December 2021: 34.12 thousands graduates.