



Ministry of Communications
and Information Technology

ICT Indicators Bulletin

March 2023 | Quarterly Issue



ICT Sector's Infrastructure Indicators

ICT Sector's Role in Development

Indicators in Brief

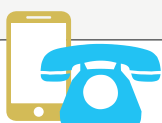
Data Item	Unit	January - March 2022	October - December 2022	January - March 2023	Quarterly Growth Rate (%)	Annual Growth Rate (%)
ICT Sector: Infrastructure Indicators						
Mobile subscriptions	Million	94.15	99.38	102.77	3.414	9.16
Mobile penetration *	%	90.40	94.16	96.95	2.79	6.55
Fixed line subscriptions	Million	11.17	11.59	11.68	0.78	4.50
Fixed line penetration *	%	10.73	10.98	11.02	0.04	0.29
Mobile Internet subscriptions	Million	64.58	69.08	69.86 **	1.13	8.17
USB Modem subscriptions	Million	2.19	2.42	2.52	3.94	14.89
ADSL subscribers	Million	10.34	11.04	11.32	2.60	9.5
Number of post offices	Post office	4230	4345	4385	0.92	3.66

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

The proportion of individuals using internet reached 72.2% according to the “ICT access and use by households and individuals 2021/2022” survey.

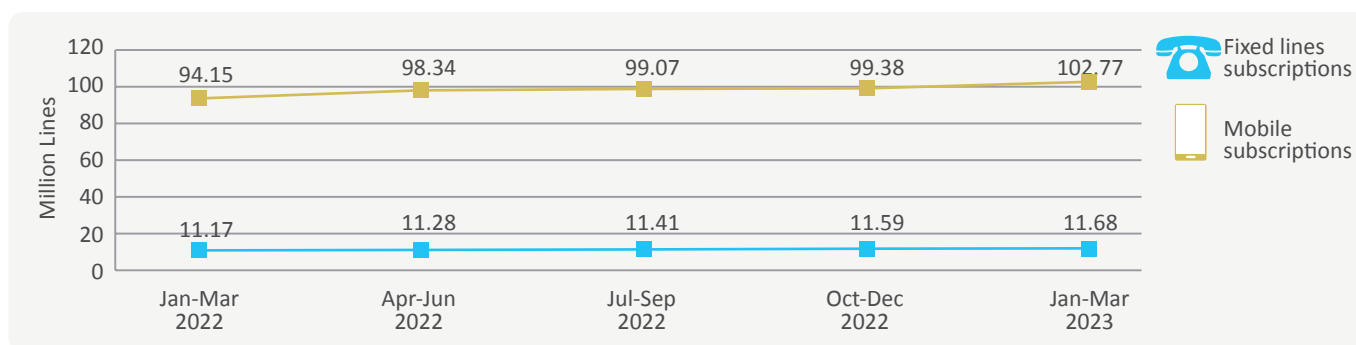
ICT Sector's Infrastructure Indicators

- Mobile subscriptions (January - March 2023): 102.77 million
- Mobile penetration (January - March 2023): 96.95%
- Fixed line subscriptions (January - March 2023): 11.68 million
- Fixed line subscriptions in urban areas (January - March 2023): 9.42 million, rural areas 2.25 million
- Internet users through mobile (January - March 2023): 69.86 million
- USB Modem users (January - March 2023): 2.52 million users
- ADSL subscribers (January - March 2023): 11.32 million
- Number of post offices (January - March 2023): 4385 post offices
- Number of beneficiaries of the pension payment service through post offices (January - March 2023): 4.83 million beneficiaries.



Fixed Lines and Mobile Subscriptions

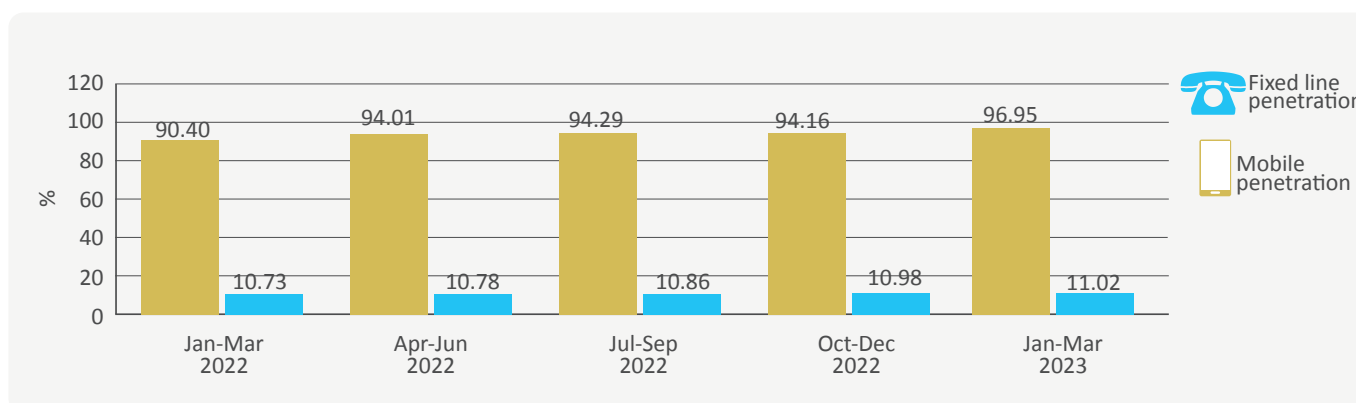
- The number of fixed line and mobile subscriptions was 114.45 million at the end of January - March 2023, compared to 105.32 million at the end of January - March 2022.
- The number of mobile subscriptions was 102.77 million at the end of January - March 2023, compared to 94.15 million at the end of January - March 2022. The mobile subscriptions recorded 90% of total telephone service.



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

Fixed Line and Mobile Penetration

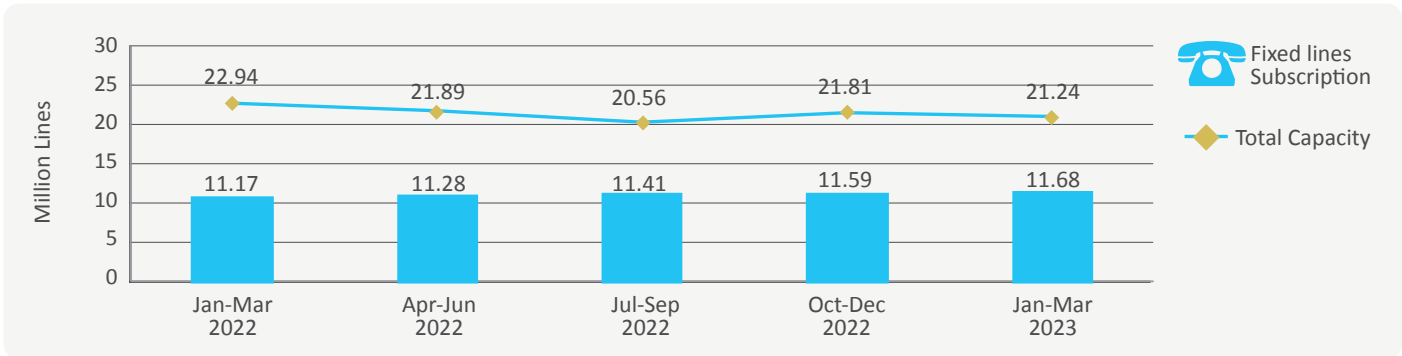
- Mobile penetration reached 96.95% at the end of January - March 2023, compared to 90.40% at the end of January - March 2022, representing an annual change rate of 6.55%. On the other hand, fixed line penetration reached about 11.02% by the end of January - March 2023.



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

Fixed Lines Subscription and Local Exchange Capacity *

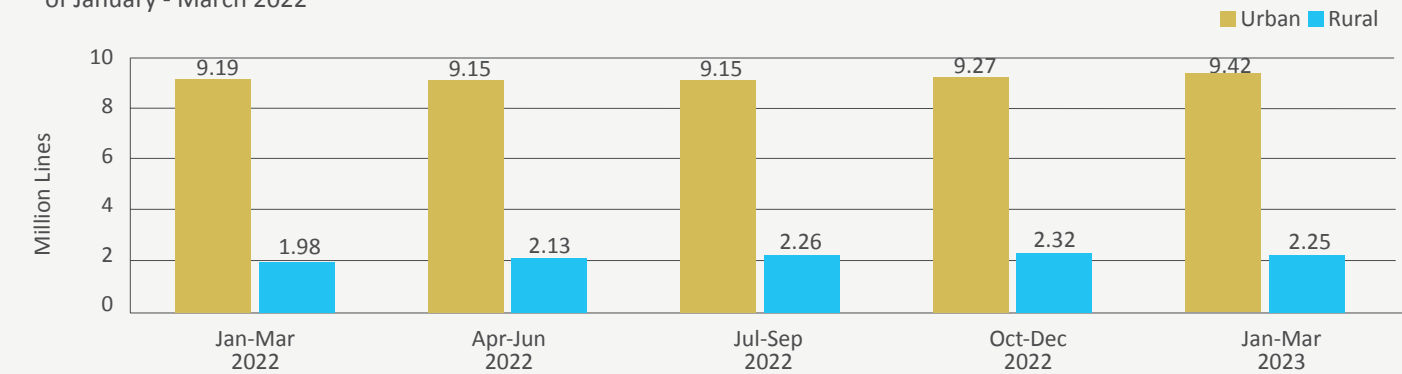
- Total number of fixed line subscriptions has reached 11.68 million subscriptions at the end of January - March 2023 compared to 11.17 million subscriptions at the end of January - March 2022.
- The capacity of local exchanges increased to 21.24 million lines at the end of January - March 2023, compared to 22.94 million at the end of January - March 2022. This represents an annual change of -1.70 million lines and an annual change rate of -7.42%.



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

Fixed Lines Subscription (Urban - Rural)

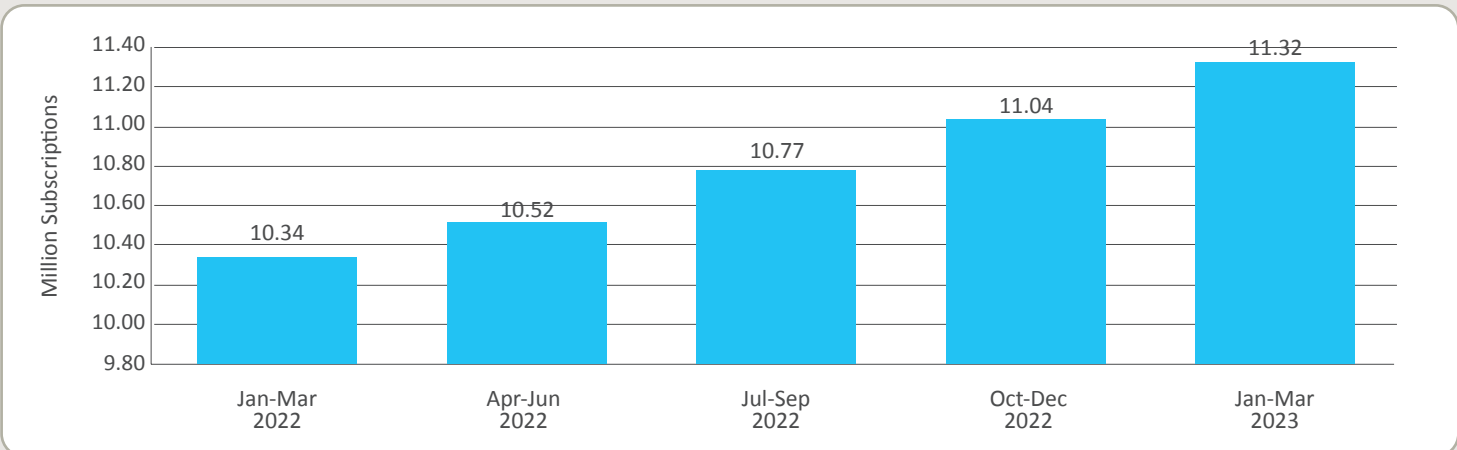
- The number of fixed line subscribers in urban areas reached 9.42 million subscribers by the end of January - March 2023 compared to 9.19 million subscribers by the end of January - March 2022, while the number of fixed line subscribers in rural areas reached 2.25 million subscribers by the end of January - March 2023 compared to 1.98 million subscribers by the end of January - March 2022



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

ADSL Subscriptions

- The number of ADSL subscriptions reached 11.32 million subscriptions by the end of January - March 2023 compared to 10.34 million subscriptions at the end of January - March 2022 with an annual change 0.99 million and annual change rate 9.5 %.

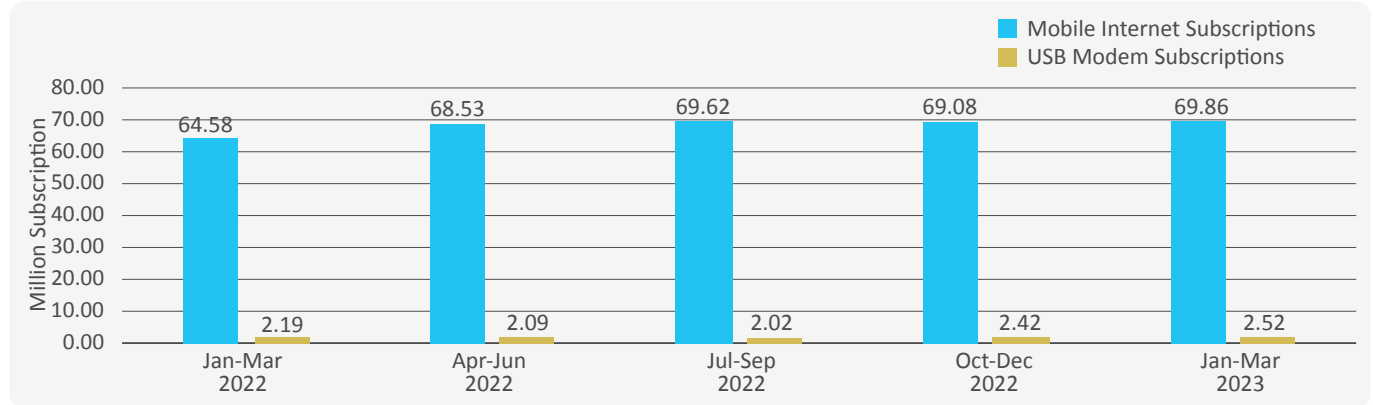


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority.



Mobile Internet and USB Modem Subscriptions

- The number of mobile internet subscriptions reached 69.86 million subscriptions by the end of January - March 2023 compared to 64.58 million subscriptions at the end of January - March 2022
- The number of USB Modem subscriptions reached 2.52 million subscriptions by the end of January - March 2023 compared to 2.19 million subscriptions at the end of January - March 2022.

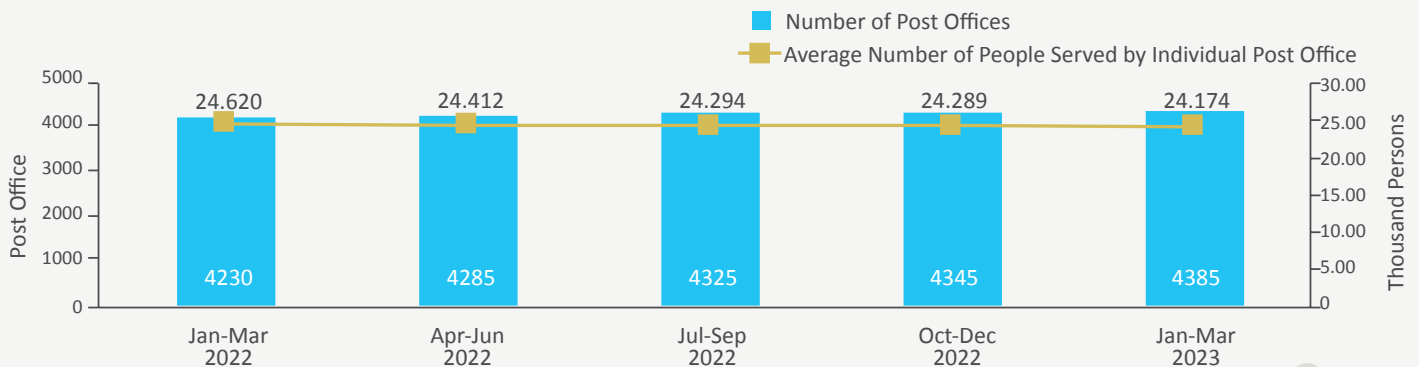


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority.



Post Offices

- The total number of post offices increased to 4385 at the end of January - March 2023, compared to 4230 at the end of January - March 2022, reflecting an annual growth rate of 3.66%.
- The average number of people served by individual post offices was 24,174 thousand persons at the end of January - March 2023, compared to 24,620 thousand persons at the end of January - March 2022, representing an annual growth rate of -1.81%.

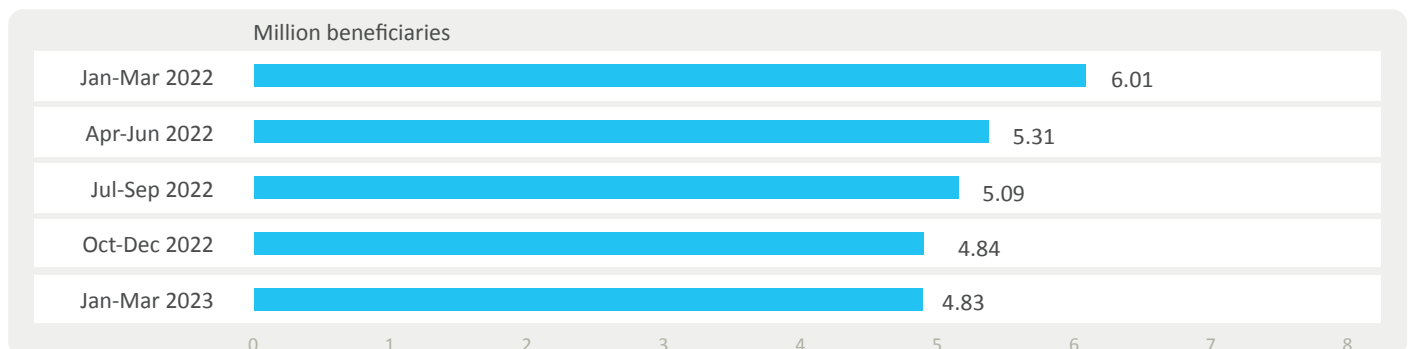


Source: Ministry of Communications and Information Technology, Egypt Post



Number of Beneficiaries of Pensions Distributed through Post Offices

- Number of beneficiaries of pensions distributed through post offices has increased to about 4.83 million beneficiaries in January - March 2023 compared to 6.01 million beneficiaries in January - March 2022.

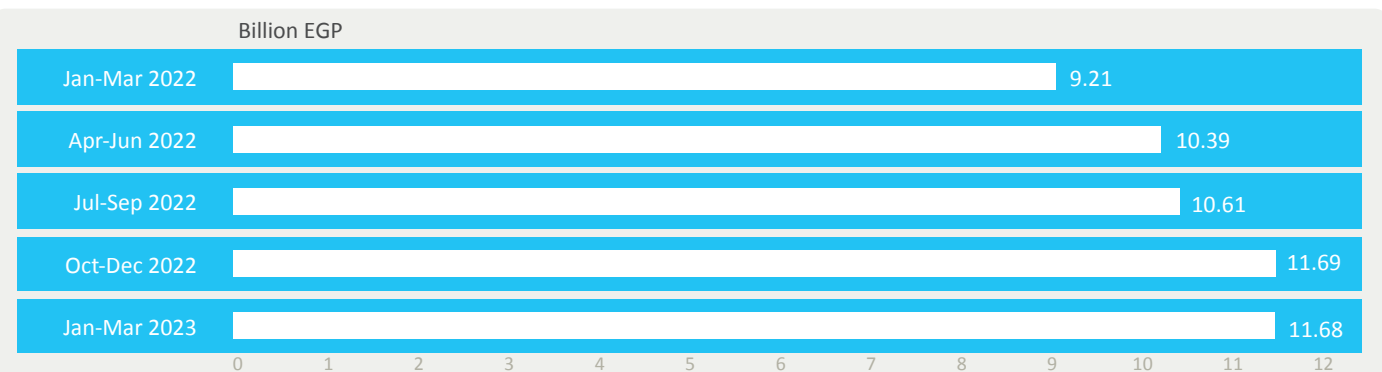


Source: Ministry of Communications and Information Technology, Egypt Post.

* The reason behind the increase in the number of pensions is the expansion in post offices and the huge reliability on Egypt Post as a main channel for providing government services.

Value of Pensions Distributed through Post Offices

- The value of pensions distributed through post offices reached 11.68 billion EGP in January - March 2023 compared to 9.21 billion EGP in January - March 2022.

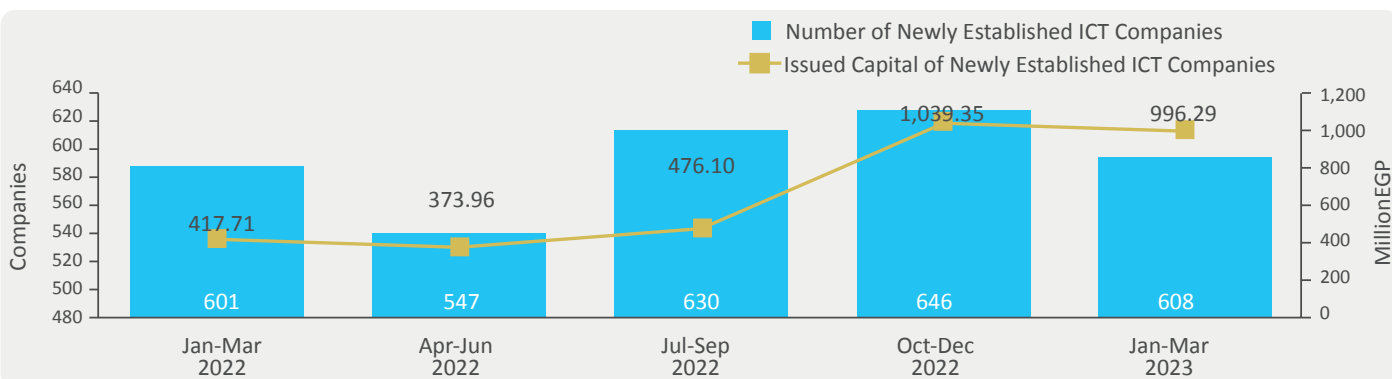


Source: Ministry of Communications and Information Technology, Egypt Post.

* The reason behind the increase in the number of pensions is the expansion in post offices and the huge reliability on Egypt Post as a major channel for providing government services.

Number of Newly Established ICT Companies and Issued Capital

- Number of newly established ICT companies reached 608 companies in January - March 2023 compared to 601 companies in January - March 2022.
- Number of issued capital of newly established ICT companies reached 996.29 million EGP in January - March 2023 compared to 417.71 million EGP in January - March 2022.

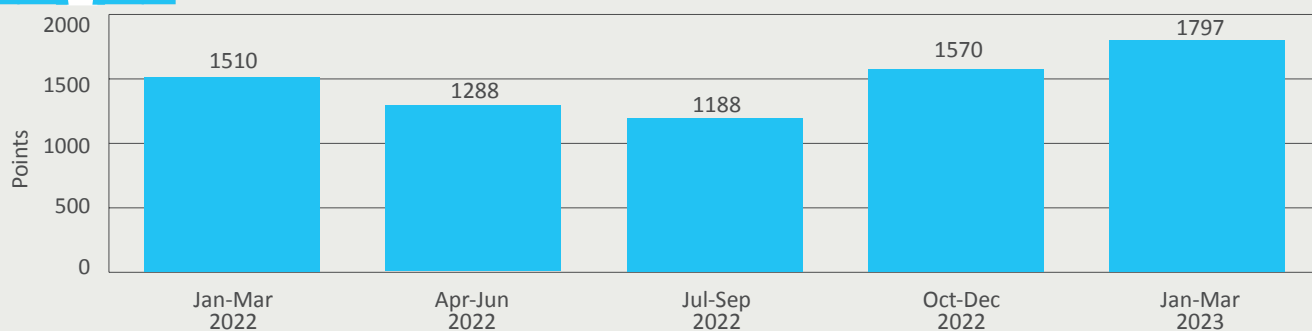


Source: General Authority for Investment - GAFI



Egypt's Stock Exchange Telecommunications Index *

- The telecommunications index in Egypt's Stock Exchange reached 1797 points during January - March 2023 compared to 1510 points during January - March 2022.



Source: Egypt's Stock Exchange

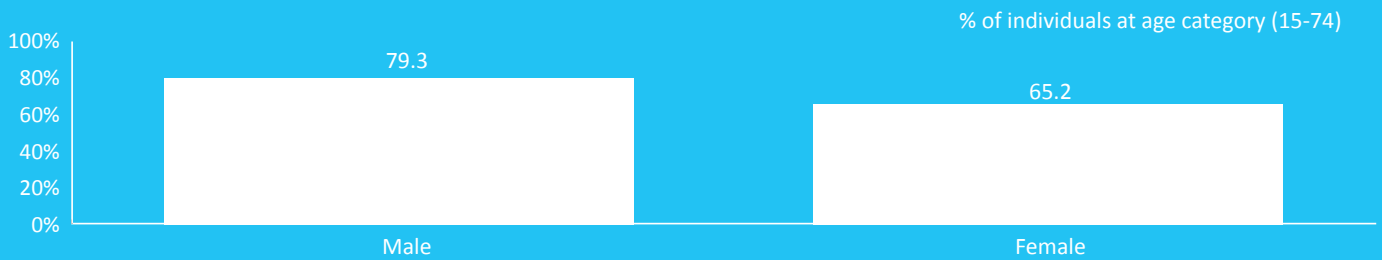
The IT, Media and Communication Services Index includes seven companies: Raya Contact Center, Fawry for Banking Technology and Electronic Payment, Egyptian Satellites (NileSat), Egyptian Media Production City, Telecom Egypt, Orascom Investment Holding (OIH), and eFinance.

ICT Sector's Role in Development

- The proportion of individuals using internet searching for goods/services: 72.7%
- The percentage of individuals who used Facebook pages for online purchases was 61.7%
- 98.4% of users who made purchases from the Internet and prefer cash payment
- 47.9% of individuals with higher or post-secondary- non-tertiary education level made online purchases
- The percentage of people not in the labor force, who purchased online was 41.9%
- The percentage of individuals in the age group 15-29, who purchased online was 42.5%
- Number of graduates of ITI till September 2022: 15.89 thousand trainees

Internet Usage by Gender

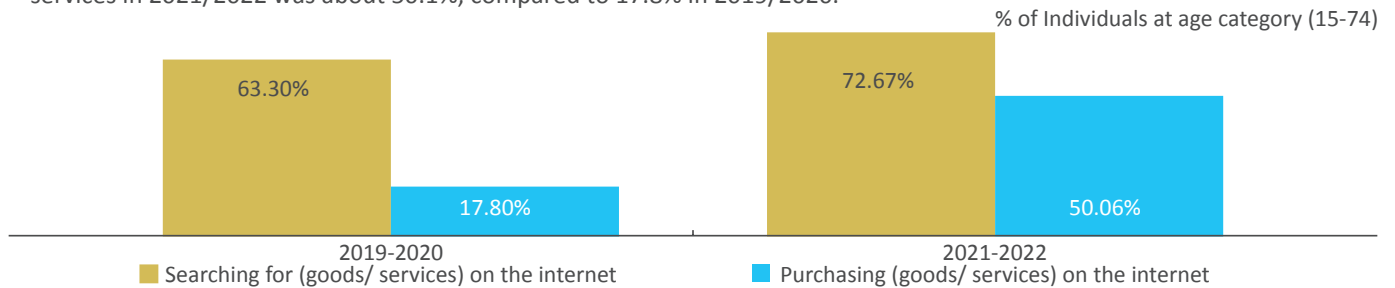
- The proportion of males using internet is 79.3%, while the proportion of females using internet is 65.2%.



Source: "Survey of ICT usage in household and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

Use of e-Commerce for Households/Individuals

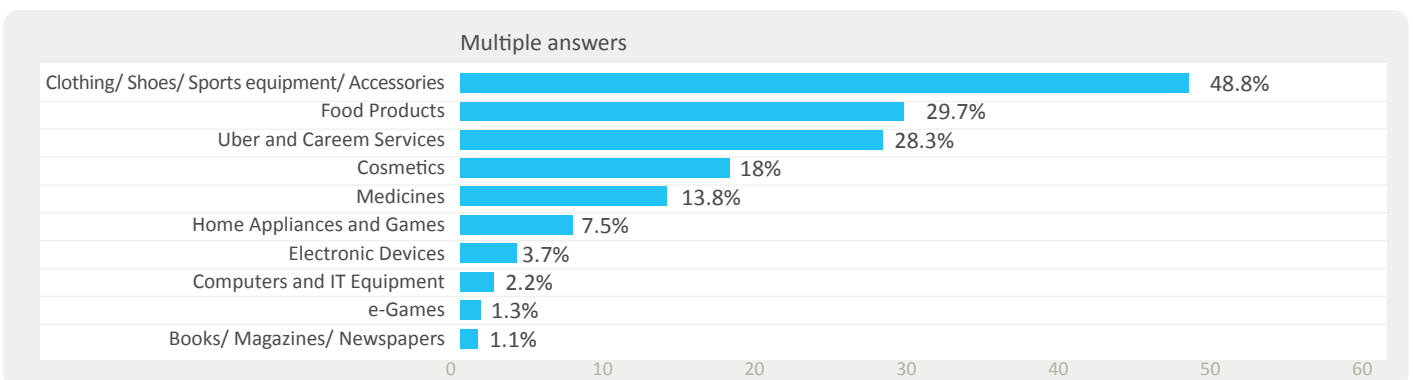
- The percentage of individuals using the Internet to search for goods and services in 2021/2022 was about 72.7% of Internet users, compared to 63.3% in 2019/2020, while the percentage of individuals using the Internet to purchase goods and services in 2021/2022 was about 50.1%, compared to 17.8% in 2019/2020.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

Goods and Services Obtained Online

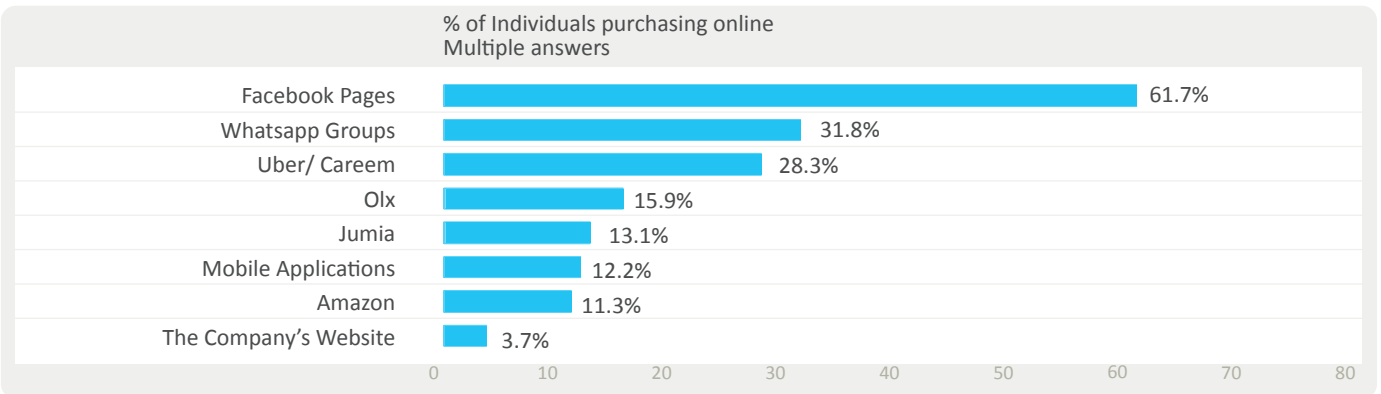
- The percentage of individuals who use the Internet to buy clothes, shoes, etc. reached about 48.8% of individuals who make purchases via the Internet in 2021/2022, 29.7% purchase food products, 28.3% used Uber and Careem services, 18% purchase cosmetics, and 13.8% purchase medicines.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

Most Used Websites/Applications for Online Purchase

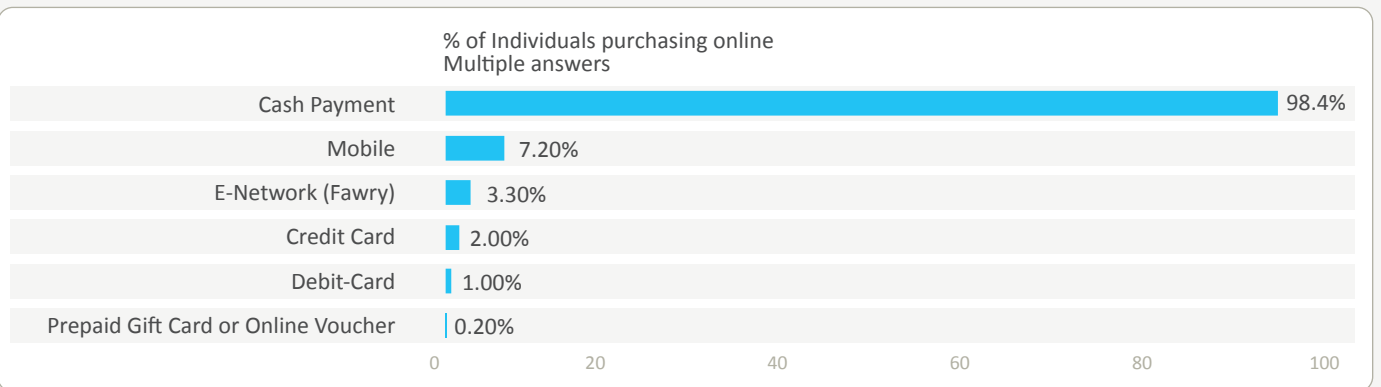
- The percentage of individuals who used Facebook pages for online purchases was 61.7%, followed by those who made purchases through WhatsApp groups at 31.8%, Uber and Careem applications at 28.3% and 15.9% of individuals used the OLX application to purchase online followed by Jumia, other mobile applications, and Amazon at 13.1%, 12.2%, 11.3% respectively and the percentage of individuals who purchased from companies' websites was 3.7%.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

E-commerce Users (Purchasing Online) according to Method of Payment

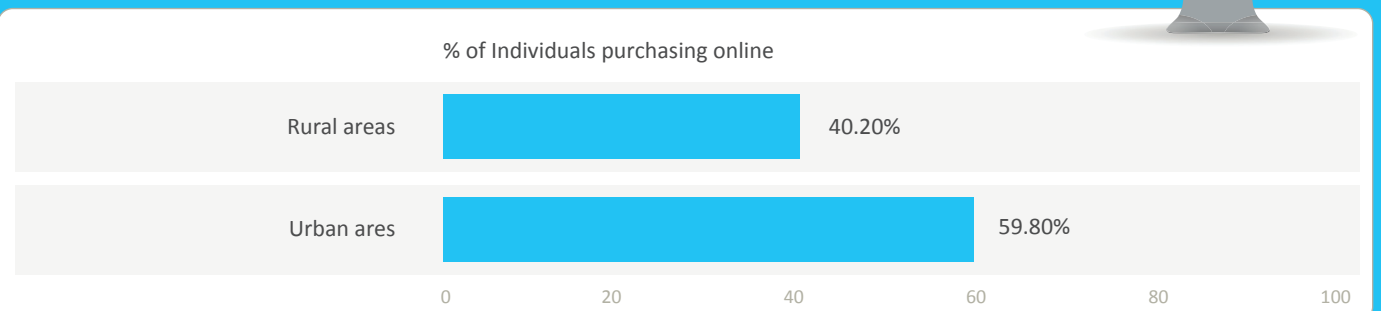
- 98.4% of users who made purchases from the Internet prefer the cash payment, while 7.2% preferred to pay through mobile phone and 3.3% used e-networks such as Fawry. The percentages of those who used credit cards, prepaid cards, and prepaid gift cards were 2%, 1%, and 0.2%, respectively.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

E-commerce Users (Purchasing Online) according to (Urban/Rural)

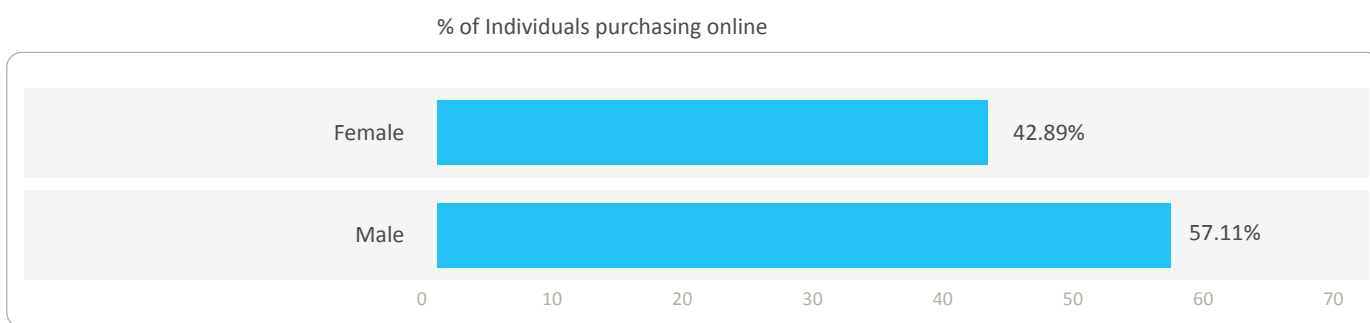
- The percentage of e-commerce users in rural areas, who purchased online was 40.2% and 59.8% in urban areas.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

E-commerce Users (Purchasing Online) according to Gender

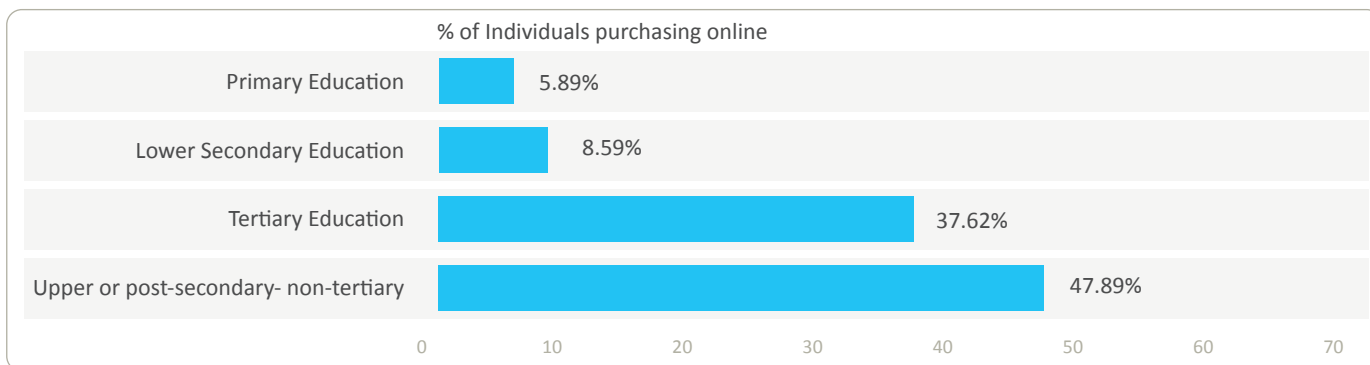
- The percentage of male e-commerce users, who purchased online was 57.1%, while the percentage of females was about 42.9%.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

E-commerce Users (Purchasing Online) according to Education level

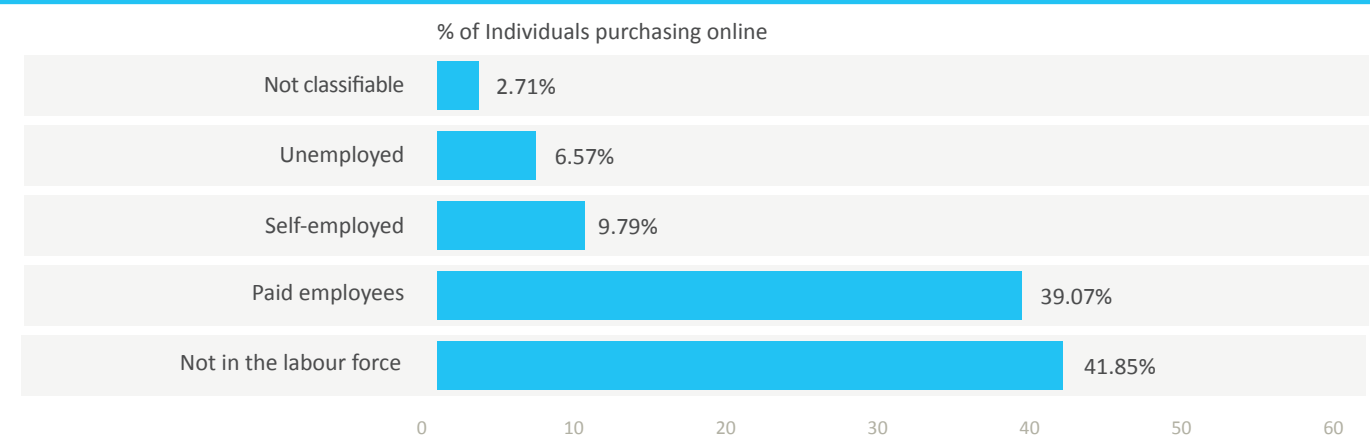
- 47.8% of individuals with higher or post secondary- non-tertiary education made online purchases, followed by 37.6% of those with tertiary education level, 8.6% of those with lower secondary education level, and 5.8% with primary education level.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

E-commerce Users (Purchasing Online) according to Work Status

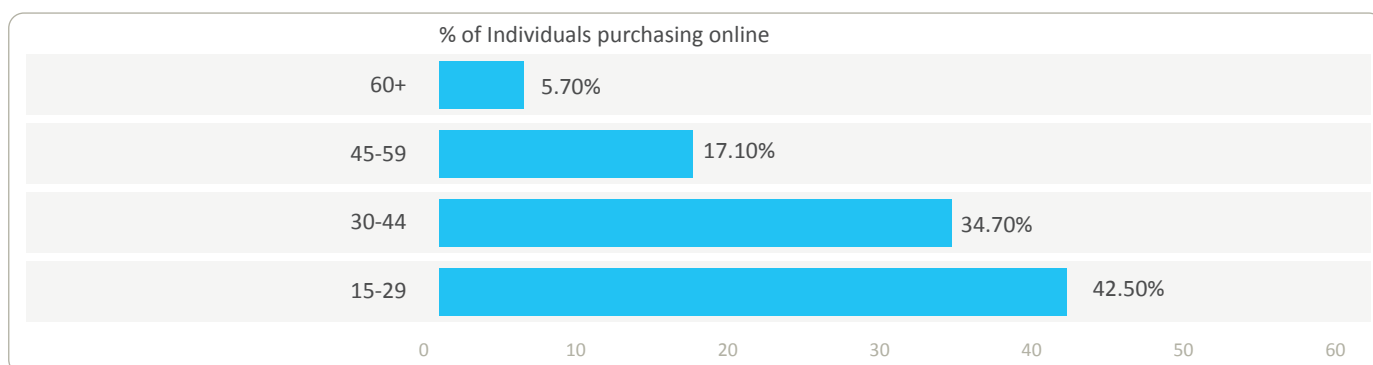
- The percentage of people not in the labor force, who purchased online was 41.9%, followed by the percentage of paid employees 39.1%, then the percentage of self-employed individuals 9.8%, and the percentages of unemployed individuals, and not classifiable were 6.6% and 2.7% respectively.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

E-Commerce Users (Purchasing Online) according to Age Group

- The percentage of individuals in the age group 15-29, who purchased online was 42.5%, and the percentage was 34.7% for individuals in the age group 30-44, followed by 17.1% for individuals in the age group 45-59, and finally 5.7% for individuals in the age group 60+.



Source: "Survey of E-Commerce Usage in Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2021-2022.

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

Training Track	July -Sep. 2022
Artificial Intelligence	193
Professional Web Development & BI	169
Open Source Applications Development	116
Embedded Systems	50
Mobile Applications Development (Native)	44
Web & User Interface Development	35
Cloud Applications Development	29
Systems Administration	29
Cloud Architecture	28
Software Testing & Quality Assurance	27
Cyber Security	27
Geoinformatics	27
Enterprise & Web Applications Development (Java)	23
Cross Platform Mobile Applications Development	23
Mobile Applications Development	21
Software Architecture	19
Mobile Applications Development (Cross Platform)	18
VFX & Compositing	17
Telecom Applications Development	17
2D Animation and Motion Graphics	17
Civil Engineering Informatics	15
IoT Applications Development	15
Industrial Automation	15
FX Dynamics	15
Data Management	15
3D Animation	15
Wireless Communications	15
ERP Consulting	14
3D Generalist	14
Game Art	14
Digital IC Design	13
Game Programming	13
Data Science	13
Total	1115

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

ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 102.77 million in January - March 2023, compared to 94.15 million in January - March 2022, representing an annual change rate of 9.16%.
- Mobile penetration reached 96.95 % in January - March 2023, compared to 90.40% in January - March 2022, representing an annual change rate of 6.55%.
- ADSL subscribers increased to 11.32 million in January - March 2023, compared to 10.34 million in January - March 2022, representing an annual change rate of 9.5%.

ICT Sector's Role in Development

- The percentage of e-commerce users in rural areas, who purchased online was 40.2% while it was 59.8% in urban areas.
- The percentage of male e-commerce users who purchased online was 57.1%, while the percentage of females was about 42.9%.
- Those who made purchases through WhatsApp groups at 31.8%, Uber and Careem applications at 28.3%
- The number of ITI graduates till January - March 2023 reached 15.89 thousand trainees.