



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology



# ICT Indicators Annual Report

## 2012–2016

Infrastructure Indicators  
ICT Sector's Economic Indicators  
ICT Sector's Role in Development

# Infrastructure Indicators

## Mobile and Fixed Telephone Lines

- Fixed and Mobile Lines Subscriptions
- Fixed Lines and Mobile Penetration



## Internet

- Estimated Internet Users and Internet Penetration
- Mobile Internet and USB Modem Subscribers
- International Internet Bandwidth, International Internet Bandwidth per capita



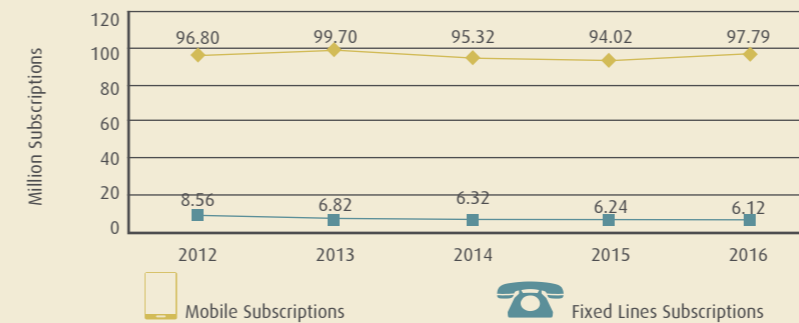
## Postal Services

- Post Offices
- Average Number of People Served by Postal Offices
- Number of Pensions Distributed through Postal Offices, Number of Pensions Distributed through Postal Offices to Residential Places
- Number of Instant Postal Financial Transfers



## Mobile and Fixed Telephone Lines

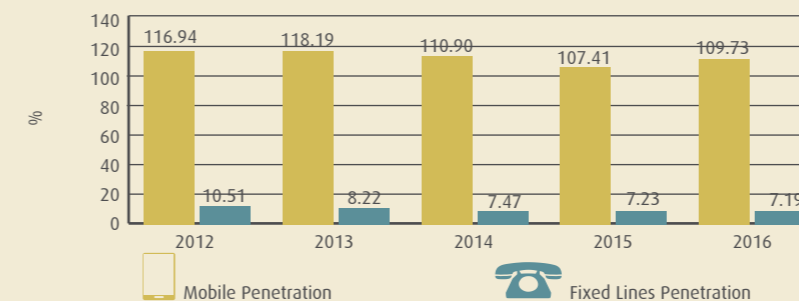
### Fixed and Mobile Lines Subscriptions



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

- Change rate of mobile subscriptions 2016 compared to 2015: 4.02%
- Average annual growth rate mobile subscription during (2012-2016): 3.46%

### Fixed Lines and Mobile Penetration

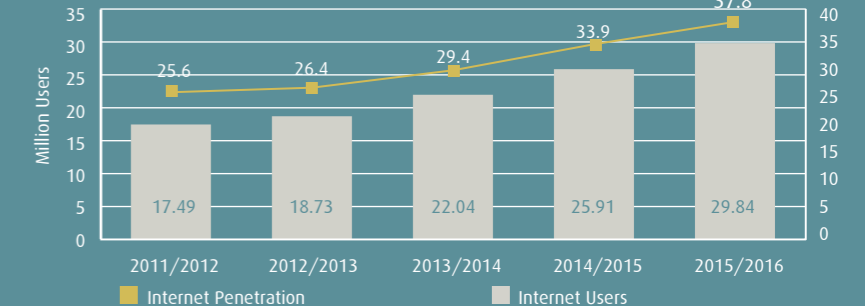


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority, Telecom Egypt

- Change rate of mobile penetration 2016 compared to 2015: 2.32%
- Average annual growth rate of mobile penetration during (2012-2016): 1.40%

## Internet

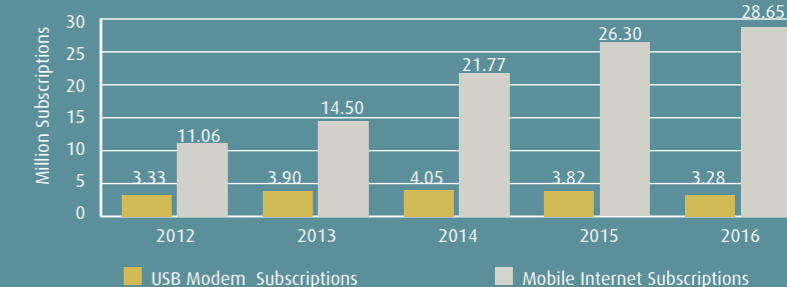
### Estimated Internet Users and Internet Penetration



Source: According to annual survey conducted by CAPMAS and MCIT for measuring ICT access and use by households and individuals

- Growth rate of estimated internet users 2015/2016 compared to 2014/2015: 15.15%
- Average annual growth rate of estimated internet users during (2011/2012-2015/2016): 16.10%

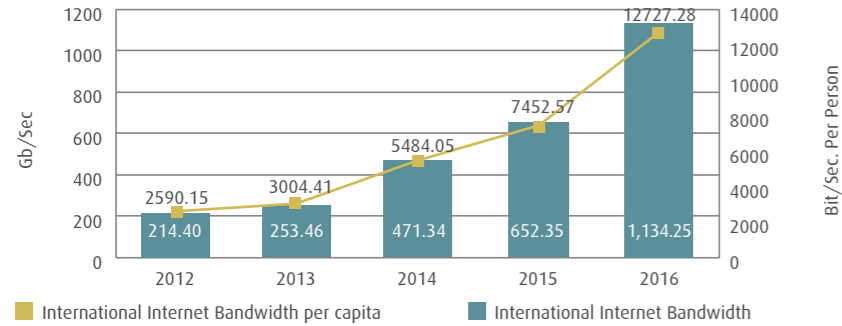
### Mobile Internet and USB Modem



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

- Growth rate of Mobile Internet users in 2016 compared to 2015: 8.93%
- Growth rate of USB modem subscribers in 2016 compared to 2015: -14.14%
- The number of ADSL subscribers in 2016: 4.44 million subscriptions

### International Internet Bandwidth

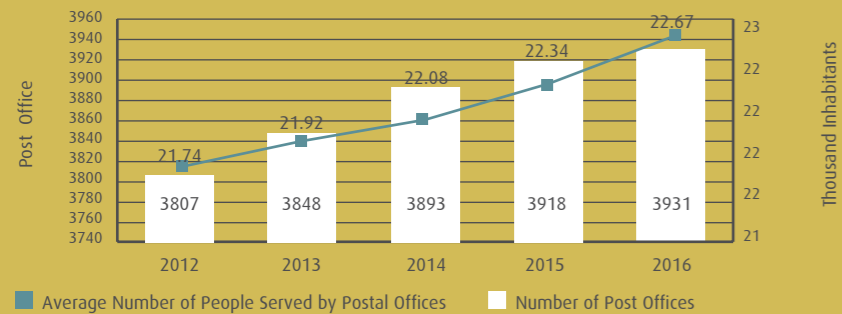


Source: Ministry Of Communications and Information Technology, National Telecom Regulatory Authority

- Growth rate of international internet bandwidth 2016 compared to 2015: 73.9%
- Average annual growth rate of international internet bandwidth during (2012-2016): 46.87%
- Growth rate of international internet bandwidth per capita 2016 compared to 2015: 70.8%
- Average annual growth rate of international internet bandwidth per capita during (2012-2016): 44.17%

### Postal Services

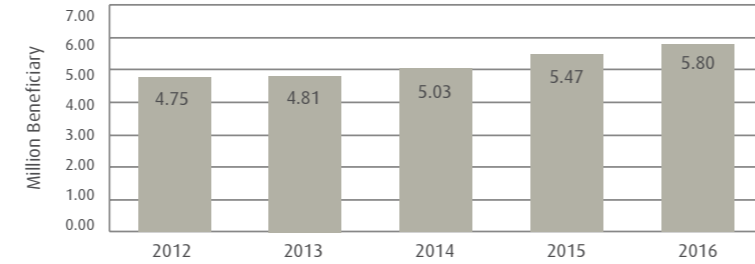
#### Number of Post Offices



Source: Ministry of Communications and Information Technology, Egypt Post

- Growth rate of number of post offices 2016 compared to 2015: 0.33%
- Average annual growth rate of number of post offices during (2012-2016): 0.74%
- Growth rate of average number of people served by postal offices in 2016 compared to 2015: 1.48%
- Average annual growth rate of average number of people served by postal offices during (2012-2016): 1.13%

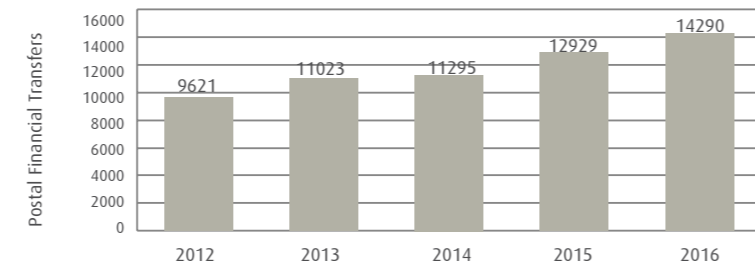
### Number of Pensions Distributed through Postal Offices



Source: Ministry of Communications and Information Technology, Egypt Post

- Growth rate of number of pensions distributed through postal offices in 2016 compared to 2015: 6.03%
- Average annual growth rate of number of pensions distributed through postal offices during (2012-2016): 3.96%

### Number of Instant Postal Financial Transfers



Source: Ministry of Communications and Information Technology, Egypt Post

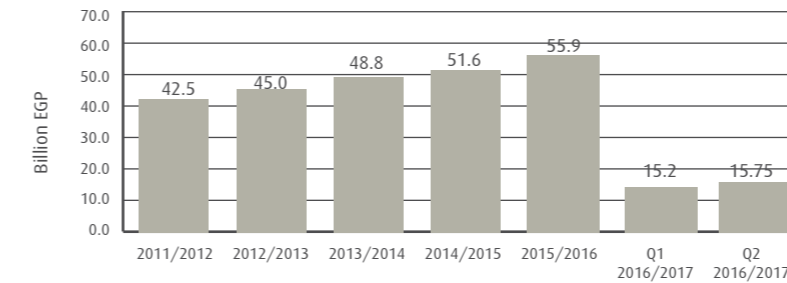
- Growth rate of number of instant postal financial transfers 2016 compared to 2015: 10.53%
- Average annual growth rate of instant postal financial transfers during (2012-2016): 13.3%



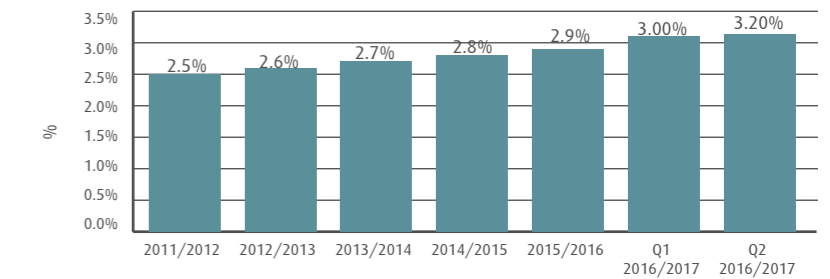
## ICT Sector's Economic Indicators

- ICT GDP at Fixed Prices
- Annual Growth Rate of ICT GDP
- ICT Sector's Contribution to GDP
- The Contribution of ICT Sector to the Treasury

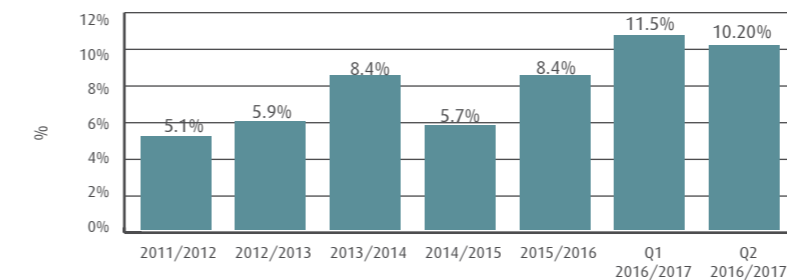
### ICT GDP at Fixed Prices



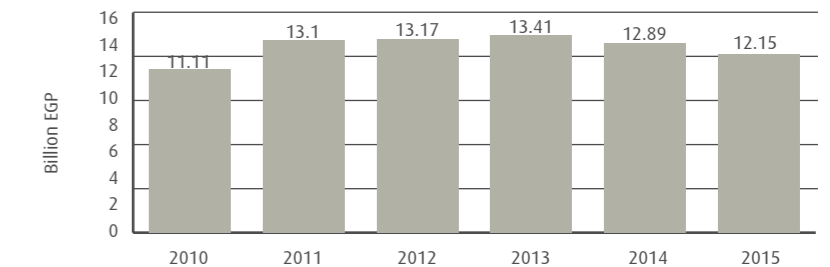
### ICT Sector's Contribution to GDP



### Annual Growth Rate of ICT GDP



### The Contribution of ICT Sector to the Treasury



# ICT Sector's Role In Development Annual Report



## First: Household and Individuals

- Infrastructure for ICT usage in Egyptian households.
- Households Internet access at home by mode of access.
- Computer activities undertaken by individuals.
- Internet activities undertaken by individuals.
- Percentage of individuals (internet users) participating in e-commerce.

## Second: Government & Public Sector

- ICT Infrastructure in government & public sector.
- Government & public sector enterprises connected to the Internet by mode of access.
- Activities undertaken by government & public sector enterprises using computers.
- Activities undertaken by government & public sector enterprises using internet.
- e-Government services provided by government and public sector enterprises.

## Third: Private Sector

- ICT infrastructure in private sector enterprises.
- Enterprises connected to the Internet by mode of access.
- Activities undertaken by enterprises using computers.
- Activities undertaken by private sector enterprises using the Internet.
- Enterprises that make online sales according to business size.

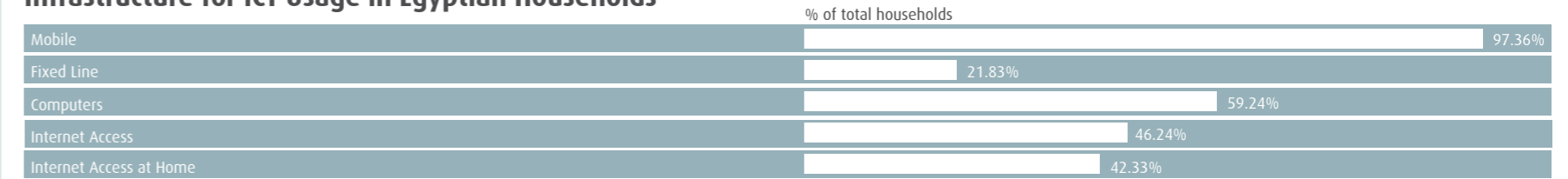
## Fourth: Impact of Using ICT

- ICT impact on private sector.
- ICT impact on government & public sector.



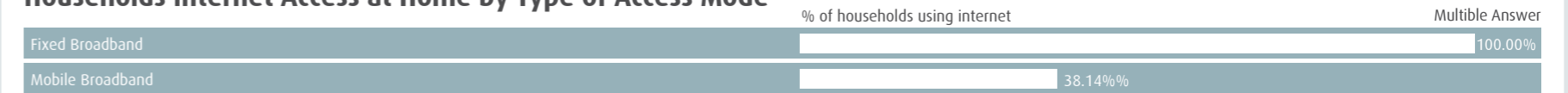
## First: Household and Individuals

### Infrastructure for ICT Usage in Egyptian Households



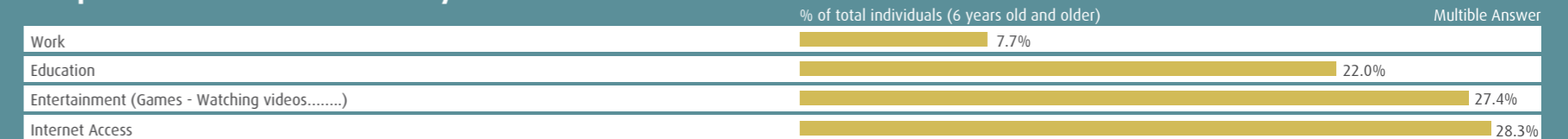
**Source:** "Survey of ICT Usage in Households and Individuals ", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS),2015.

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



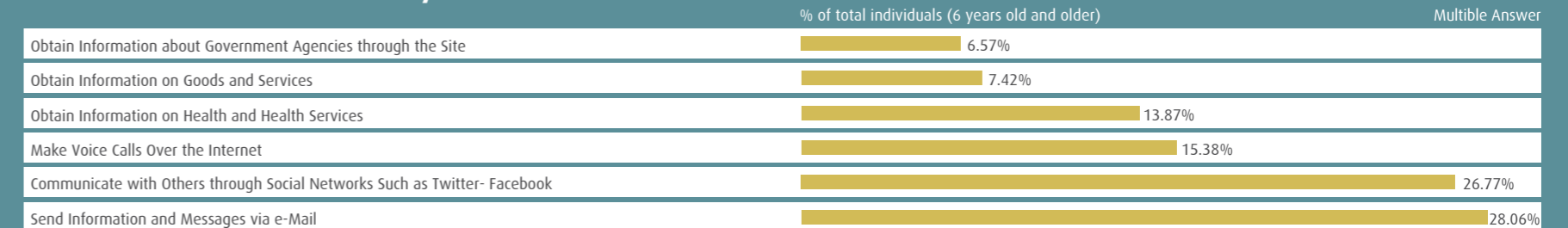
**Source:** "Survey of ICT Usage in Households and Individuals ", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS),2015.

### Computer Activities Undertaken by Individuals



**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),2015.

### Internet Activities Undertaken by Individuals



**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),2015.

## Percentage of Individuals Participating in e-Commerce

	% of total individuals (6 years old and older using the Internet)	Multiple Answer
Purchasing or Ordering Goods or Services	2.2	
Getting Information about Goods or Services	19.6	

**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), 2015.



## Second: Government & Public Sector

### Infrastructure in Government & Public Sector

Fixed Phones	100
Computer	99.9
Using Internet	94.1
Mobile	40.3

**\*Source:** "Survey of ICT usage in government & public-sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2015.

### Government & Public Sector Enterprises Connected to the Internet by Mode of Access

	% of Total Enterprises	Multiple Answer
Fixed Broadband	91.4	
Wireless Broadband	19.3	
Narrowband	8.3	

**\*Source:** "Survey of ICT usage in government & public-sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2015.

### Activities Undertaken by Government & Public Sector Enterprises Using Computers

	% of Total Enterprises	Multiple Answer
Office Business	97	
Management of Financial and Administrative Business	87.4	
The Development and Automation of the Business	84.6	
Business Administration and Following Up Projects and Plans	70.9	

**\*Source:** survey of ICT usage in government & public sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2015.

## Activities Undertaken by Government & Public Sector Enterprises

	As % of total enterprises using internet	Multiple Answer
Buying Goods and Services	7.8	
Internet Banking	17.4	
Technical and Financial Offers Publication	21.8	
Downloading Software and Application	49.6	
Research & Development and Getting Information	61.6	
Media Publication	63.4	
Data and File Exchange	70.3	
Sending and Receiving e-Mail	86	

**\*Source:** "Survey of ICT usage in government & public-sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2015.

### e-Government Services Provided by Government and Public-Sector Enterprises

	% of total enterprises	Multiple Answer
Providing Information about Electronic Governmental Services	25.1	
Users Can Download Government Forms/Applications online	18.7	
Receiving Forms/Applications from Users Electronically	10.9	
Collecting Government Service Fees Electronically from Users	3.1	

**\*Source:** survey of ICT usage in government & public sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for government & public Mobilization and Statistics (CAPMAS), 2015.



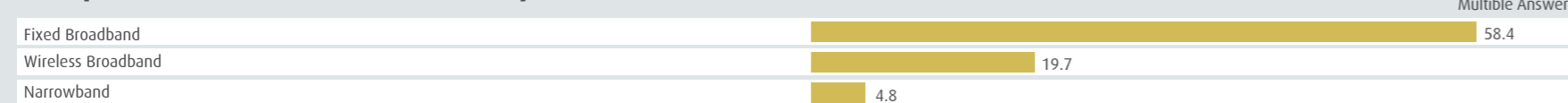
## Third: Private Sector

### ICT Infrastructure in Private Sector Enterprises

Fixed Line	80.9
Computer	79.9
Using Internet	59.9
Mobile	50

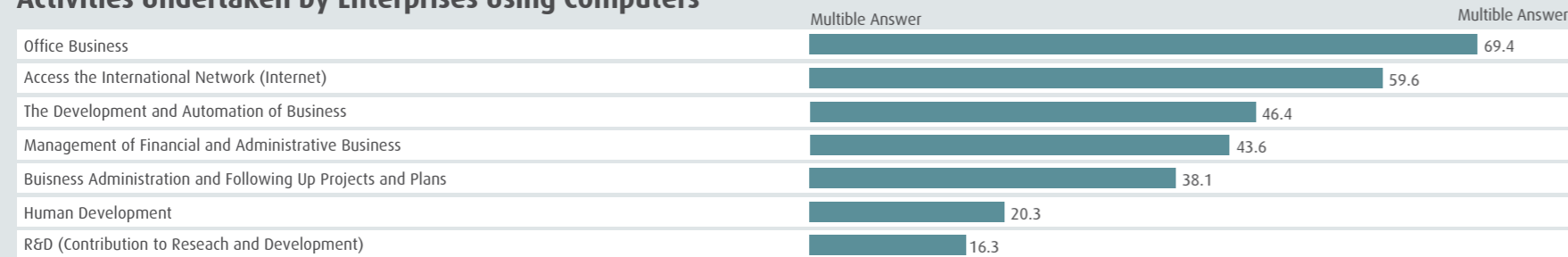
**Source:** "Survey of ICT usage in private sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016.

## Enterprises Connected to the Internet by Mode of Access



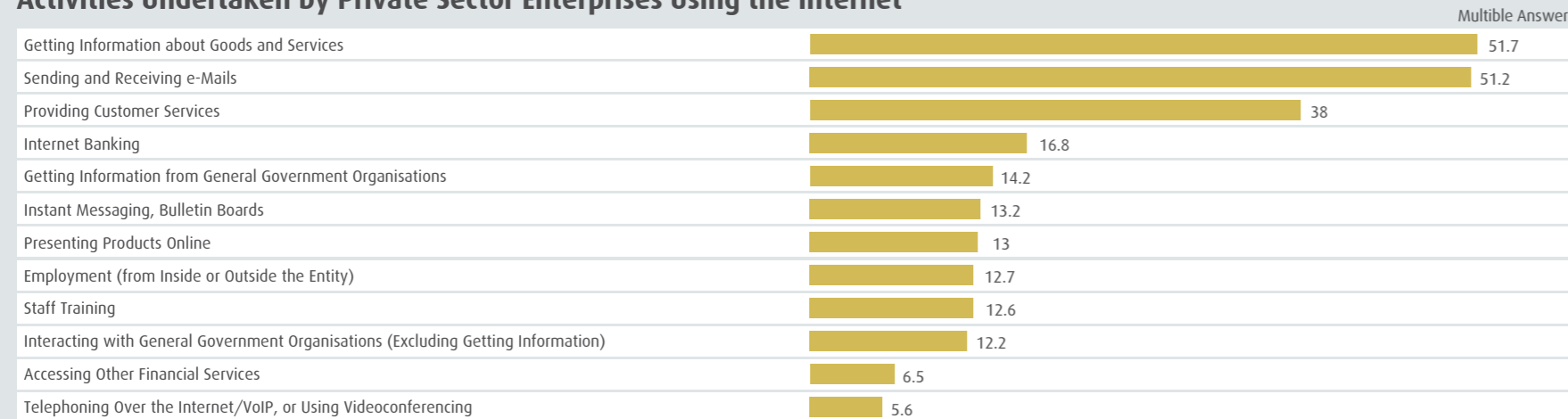
Source: "Survey of ICT usage in private sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016

## Activities Undertaken by Enterprises Using Computers



Source: "Survey of ICT usage in private sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016

## Activities Undertaken by Private Sector Enterprises Using the Internet



Source: "Survey of ICT usage in private sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016

## Enterprises that Make Online Sales According to Business Size (Number of Employees)



Source: "Survey of ICT usage in private sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016



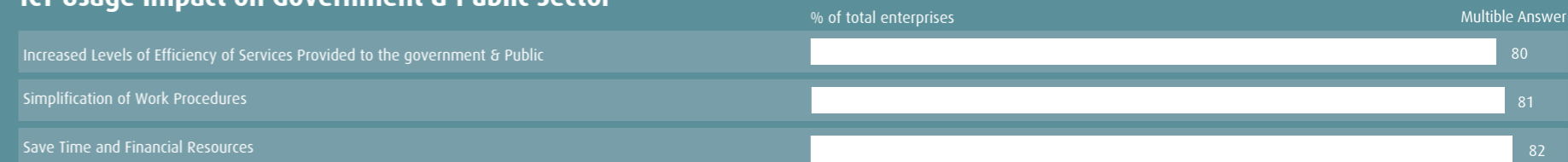
## Fourth: ICT Impact on Private Sector

### ICT Impact on Private Sector



Source: "Survey of ICT usage in private sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016.

### ICT Usage Impact on Government & Public Sector



\*Source: "Survey of ICT usage in government & public-sector enterprises", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2015.