



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology



# ICT Indicators Annual Report

## 2011-2015

Infrastructure Indicators  
ICT Sector's Role in Development  
The Impact of ICT Usage on Different Sectors

# Infrastructure Indicators

## Mobile and Fixed Telephone Lines

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



## Internet

- Estimated Internet Users and Internet Penetration
- Estimated Internet Users By Mode of Access- International Internet Bandwidth,
- International Internet Bandwidth, International Internet Bandwidth per Inhabitant



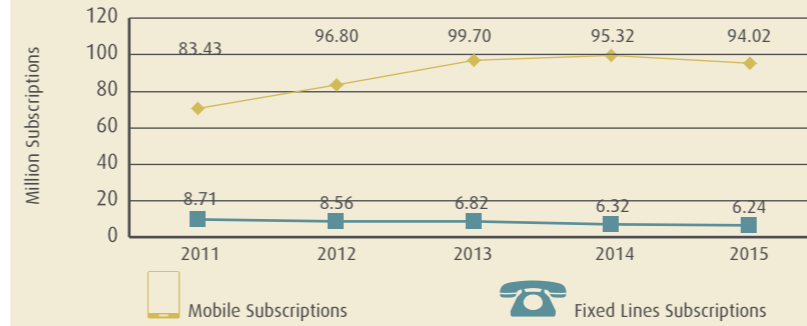
## Post

- Post Offices
- Average Number of People Served by Postal Offices
- Number of Pensions Distribution Through Postal Offices, Number of Pensions Distribution Through Postal Offices to Residential Places.
- Number of Instant Postal Financial Transfers



## Mobile and Fixed Telephone Lines

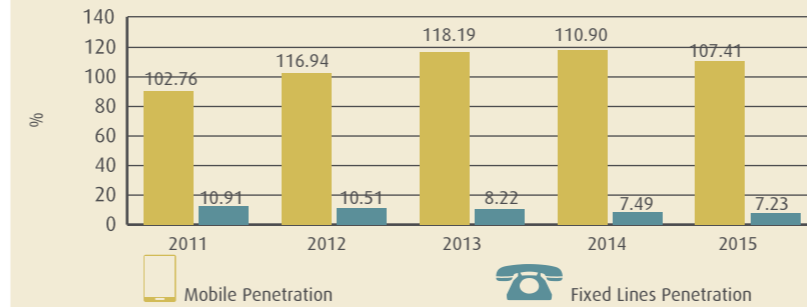
### Fixed and Mobile Lines Subscriptions



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

- Change rate of mobile subscriptions 2015 compared to 2014: -1.36%
- Average annual growth rate mobile subscription during (2011 - 2015): 13.30%

### Fixed Lines and Mobile Penetration \*



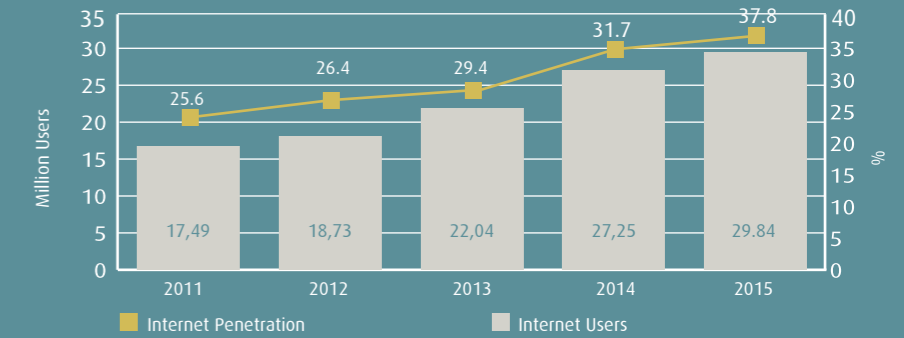
Source: Ministry Of Communications and Information Technology, National Telecom Regulatory Authority, Telecom Egypt.

- Change rate of mobile Penetration 2015 compared to 2014: -3.49% \*
- Average annual growth rate of mobile penetration during (2011 - 2015) : 7.52%.

\* This decline in the number of mobile subscriptions due to several procedures by the National Telecommunications Regulatory Authority to audit the customer's data, which led to truncation of service for many mobile lines that have no data for its users.

## Internet

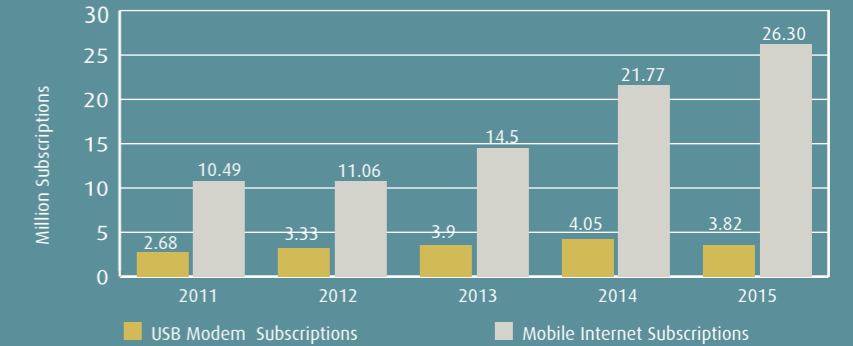
### Estimated Internet Users and Internet Penetration \*



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

- Growth rate of estimated internet users 2015 compared to 2014: 9.50%
- Average annual growth rate of estimated internet users during (2011 - 2015) : 14.48%

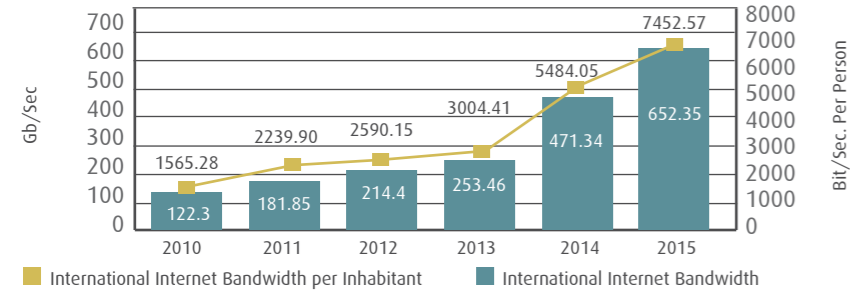
### Mobile Internet and USB Modem



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

- Growth rate of Mobile internet users in 2015 compared to 2014: 20.80%
- Growth rate of USB Modem subscribers in 2015 compared to 2014: 5.61%
- The number of ADSL Subscribers in 2015: 3.79 Million Subscriptions.

## International Internet Bandwidth

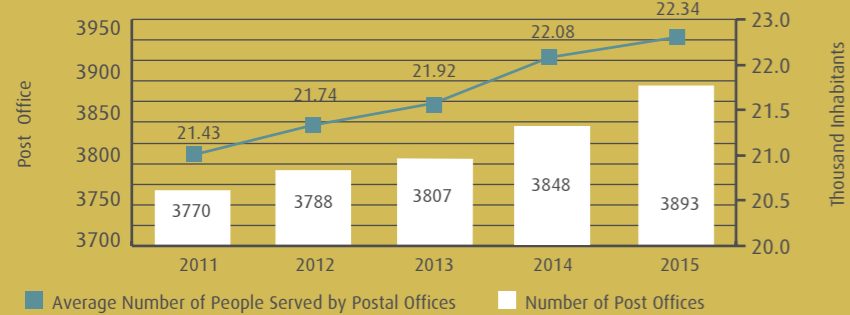


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

- Growth rate of international internet bandwidth 2015 compared to 2014: 38.4%.
- Average annual growth rate of international internet bandwidth during (2011 - 2015): 41.84%
- Growth rate of international internet bandwidth per inhabitant 2015 compared to 2014: 35.9%.
- Average annual growth rate of international internet bandwidth per inhabitant during (2011 - 2015): 38.63%.

## Post

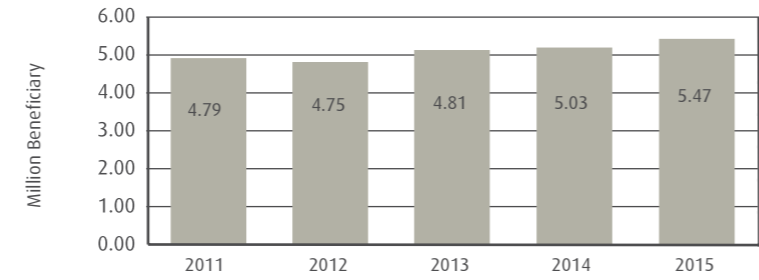
### Number of Post Offices



Source: Ministry of Communications and Information Technology, Egypt Post

- Growth rate of number of post offices 2015 compared to 2014: 0.64%.
- Average annual growth rate of number of post offices during (2011- 2015): 0.77%.
- Growth rate of average number of people served by postal offices in 2015 compared to 2014: 1.20%.
- Average annual growth rate of average number of people served by postal offices during (2011- 2015): 1.52%

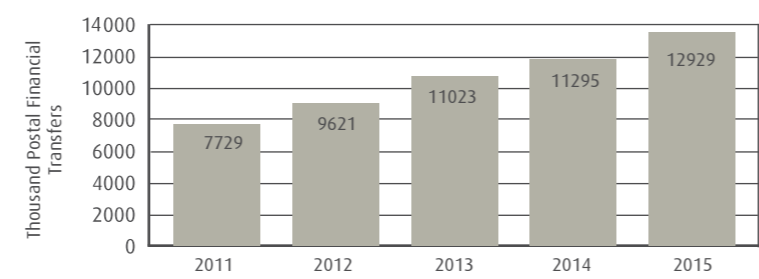
## Number of Pensions Distribution through Postal Offices



Source: Ministry of Communications and Information Technology, Egypt Post

- Growth rate of number of pension's distribution through postal offices in 2015 compared to 2014: 8.75%.
- Average annual growth rate of number of pensions distribution through postal offices during (2011 - 2015): 7.19%

### Number of Instant Postal Financial Transfers



Source: Ministry of Communications and Information Technology, Egypt Post

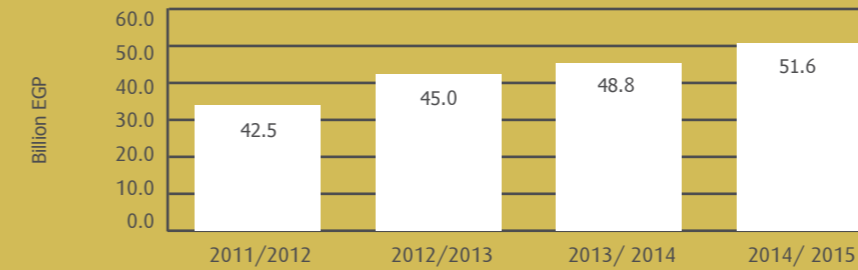
- Growth rate of number of instant postal financial transfers 2015 compared to 2014: 14.47%.
- Average annual growth rate of instant postal financial transfers during (2011 - 2015): 11.30 %.



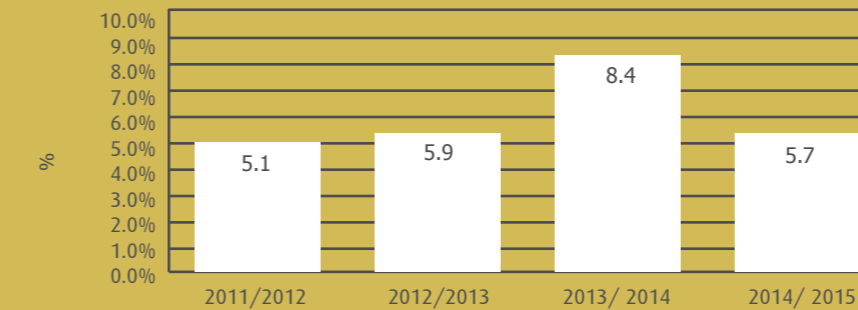
## ICT Sector's Economic Indicators

- 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

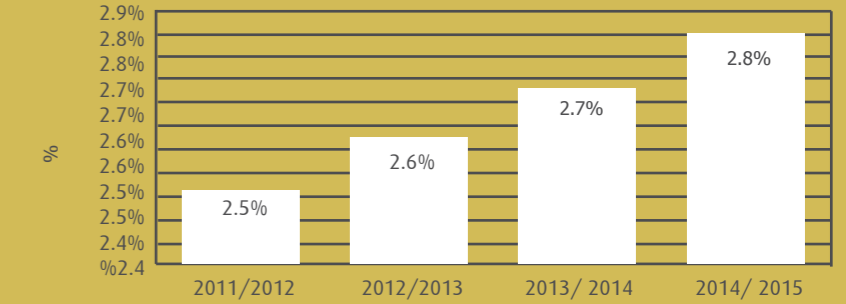
### ICT GDP at Fixed Prices



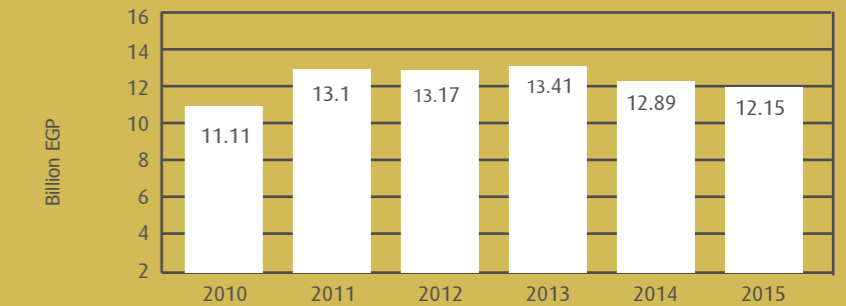
### ICT Sector's Contribution to GDP



### Annual Growth Rate of ICT GDP



### The contribution of ICT sector to the treasury



# ICT Sector's Role In Development



## Households

- ICT usage by Households:
- Households connected to the Internet from Home by Access Mode
- Activities Undertaken by Individuals Using Computer
- Activities Undertaken by Individuals Using the Internet

## Health Sector

- Uses of ICT in Health Sector
- Internet activities in hospitals

## Government Sector

- Uses of ICT in Government sector
- Internet Activities Undertaken by Government Sector

## Pre-University Education

- Uses of ICT in Pre-University Education
- Computer Activities Undertaken by Students in Pre-University Education (In Educational Purposes)
- Internet Activities Undertaken by Students in Pre-University Education (In Educational Purposes)

## University Education

- ICT Usage by Students in University Education
- Computer Activities Undertaken by Students in University Education
- Internet Activities Undertaken by Students in University Education

## Impact of Using ICT

### Pre-University Education

- ICT Effect of Professors Usage on Improving Student Understanding of Educational Curriculum

### University Education

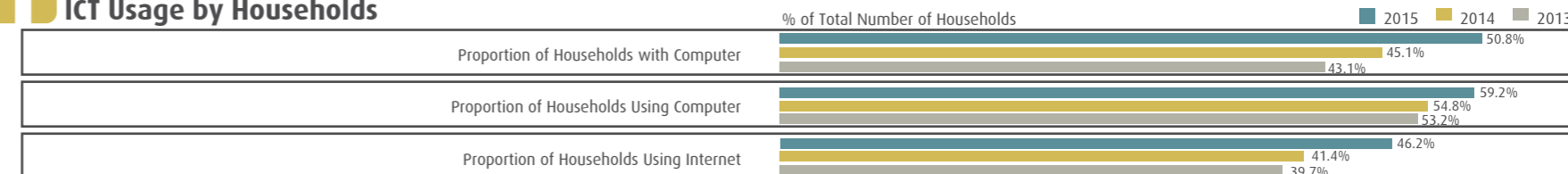
- ICT Effect of Professors Usage on Improving Student Grades

### Health Sector

- The impact of using ICT in Health Sector (from hospital's/health unit's manager perspective)
- The impact of using ICT in Health Sector (from doctors' perspective)



## Households ICT Usage by Households

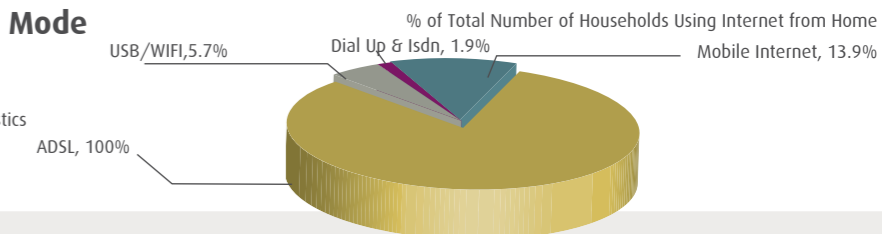


Source: "survey of ICT usage in Households and Individuals ", conducted by Ministry of communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS),2015

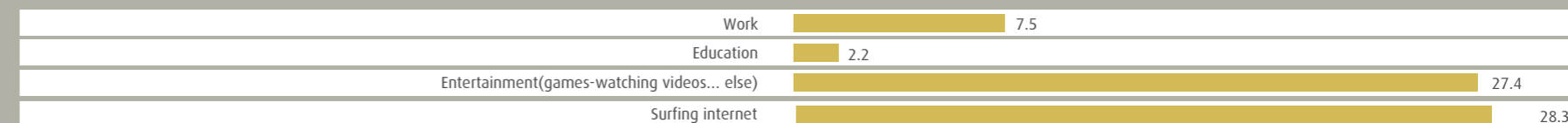
## Households connected to the Internet from Home by Access Mode



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



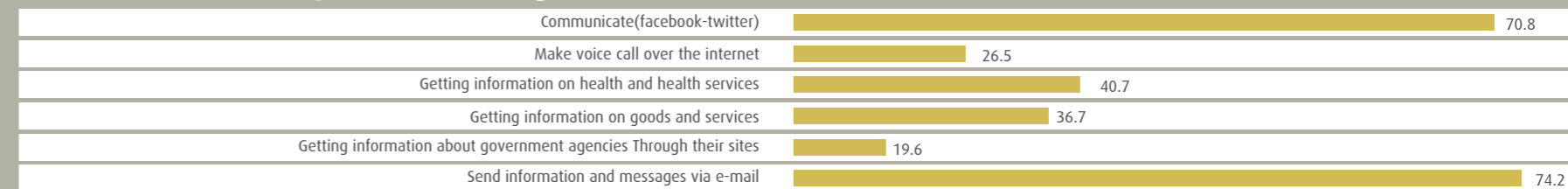
## Activities Undertaken by Individuals Using Computer



Multiple answers are allowed

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

## Activities Undertaken by Individuals Using the Internet



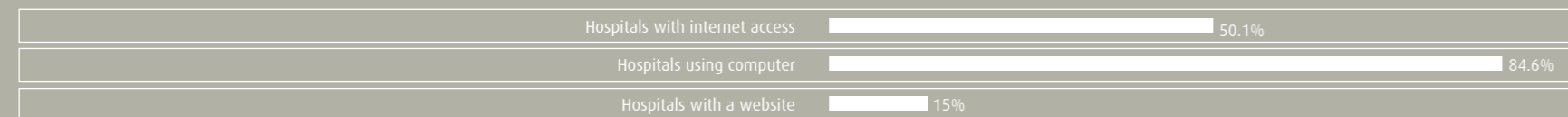
Multiple answers are allowed

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



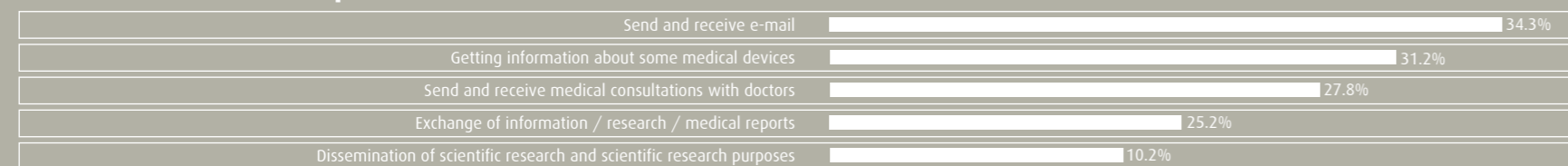
## Health Sector

### Uses of ICT in Health Sector



Source: "survey of ICT usage in Health Sector ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014 .

### Internet activities in hospitals

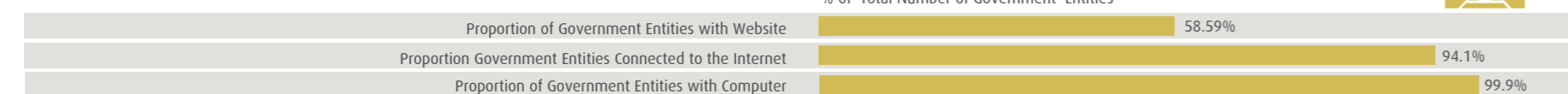


Multiple answers are allowed

Source: "survey of ICT usage in Health Sector ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014 .

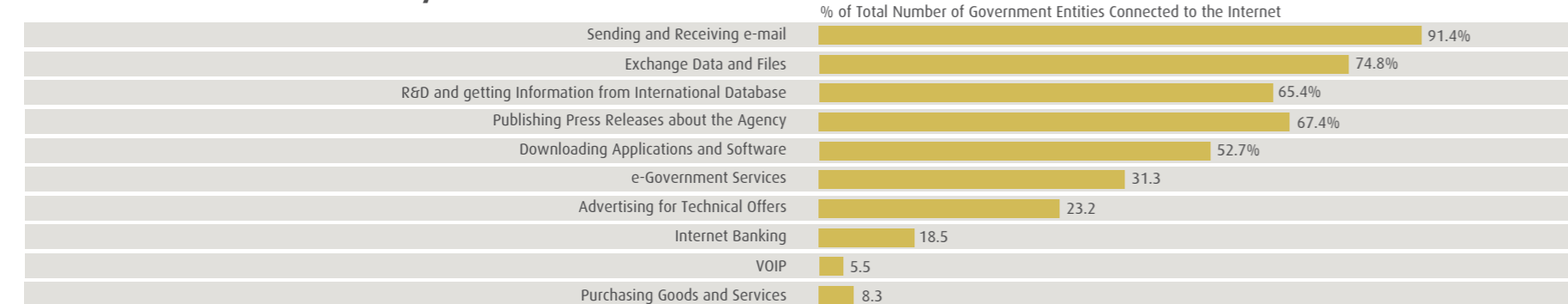
## Government Sector

### Uses of ICT in Government sector



Source: "survey of ICT usage in Government Sector ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015  
note: the proportion of government entities with website is a Preliminary ratio .

### Internet Activities Undertaken by Government Sector

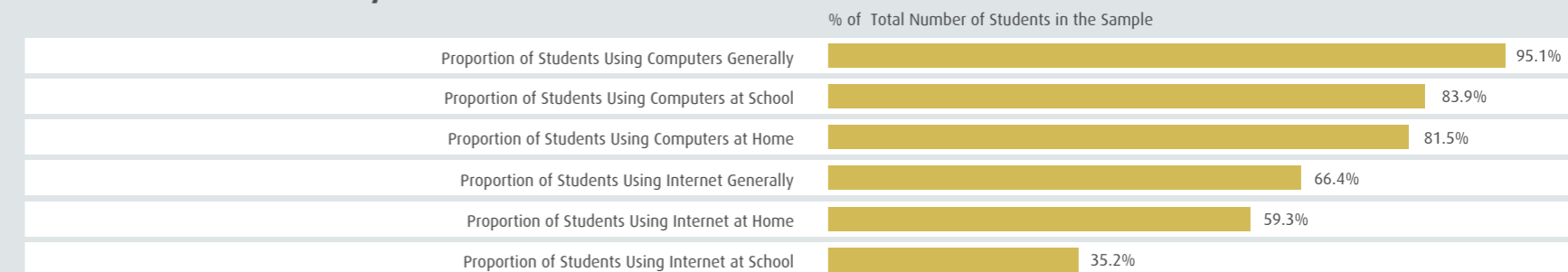


Source: "survey of ICT usage in Government Sector ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2015



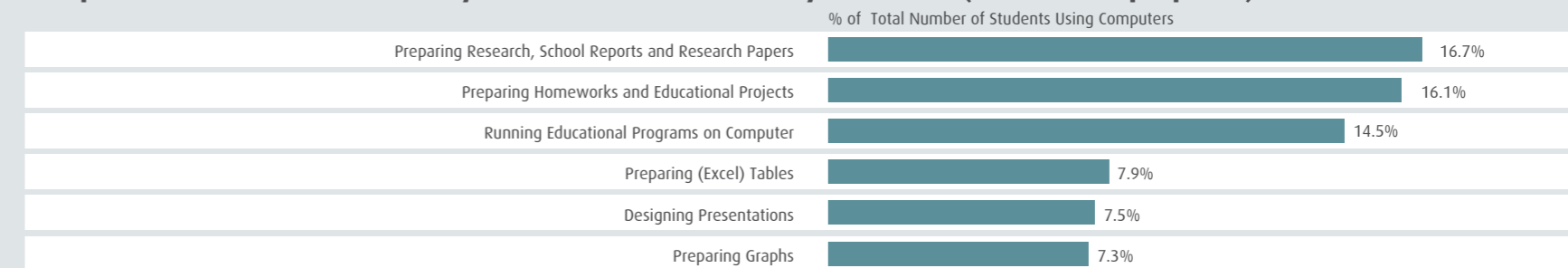
## Pre-University Education

### Uses of ICT in Pre-University Education



Source: "survey of ICT usage in Pre- University Education ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

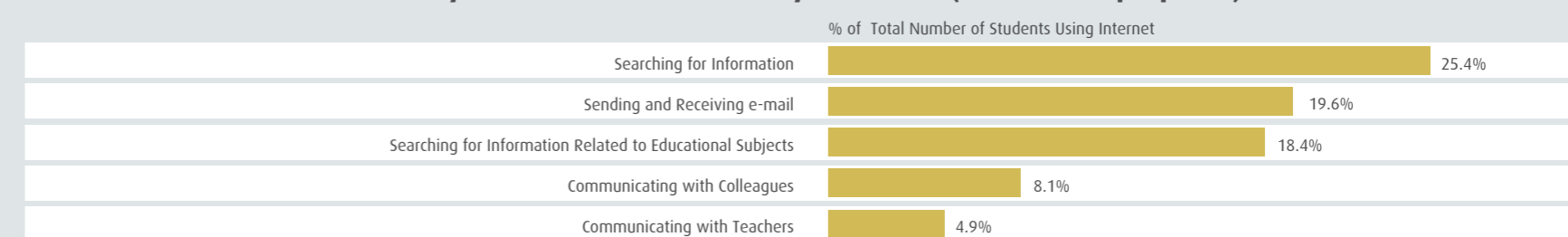
### Computer Activities Undertaken by Students in Pre-University Education (Educational purposes)



Multiple answers are allowed

Source: "survey of ICT usage in Pre- University Education ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

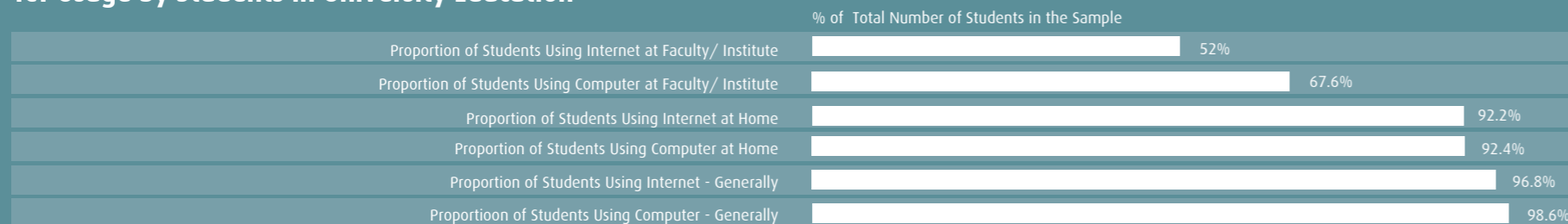
### Internet Activities Undertaken by Students in Pre-University Education (Educational purposes)



Multiple answers are allowed

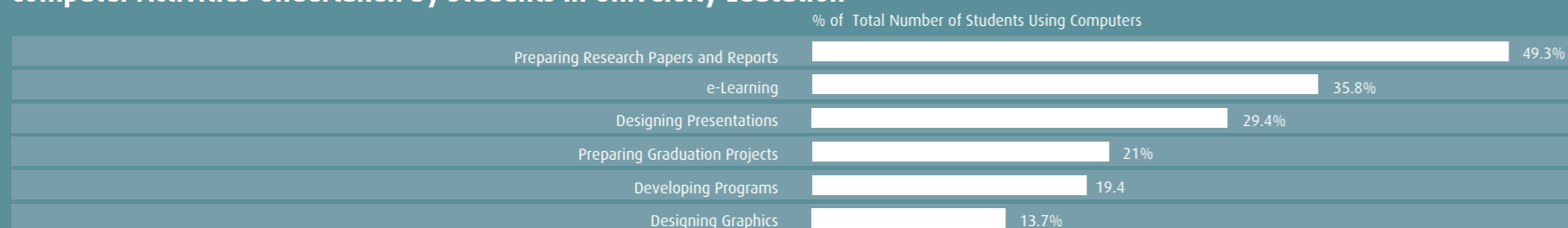
Source: "survey of ICT usage in Pre- University Education ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

### ICT Usage by Students in University Education



Source: "survey of ICT usage in University Education", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

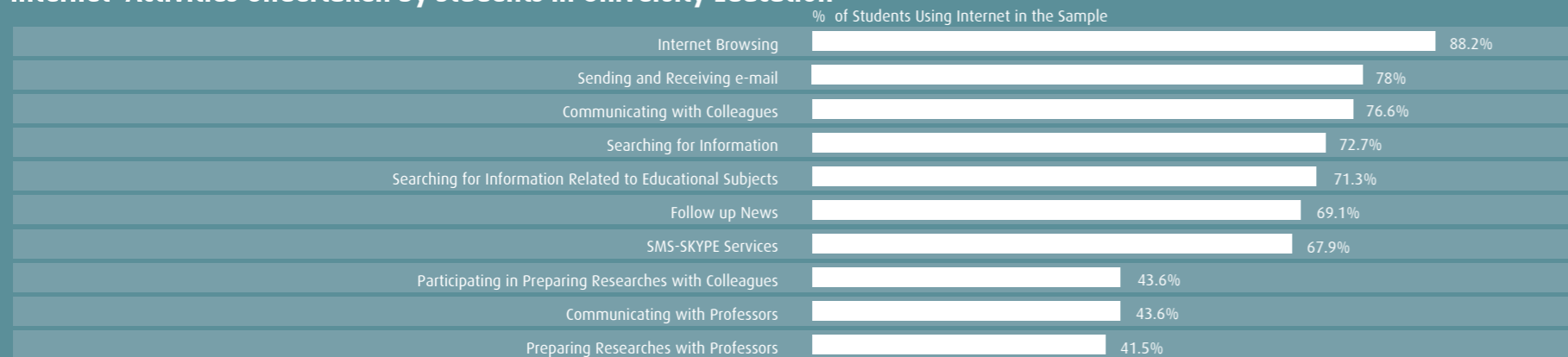
### Computer Activities Undertaken by Students in University Education



Multiple answers are allowed

Source: "survey of ICT usage in University Education", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

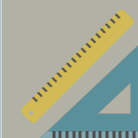
### Internet Activities Undertaken by Students in University Education



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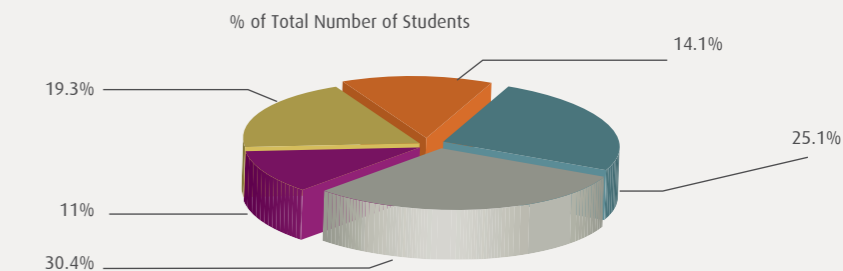
# The Impact of ICT Usage on Different Sectors



## Pre-University Education

### ICT Effect of Professors Usage on Improving Student Understanding of Educational Curriculum

- A Very Large
- Large
- Moderate
- Weak
- No Effect

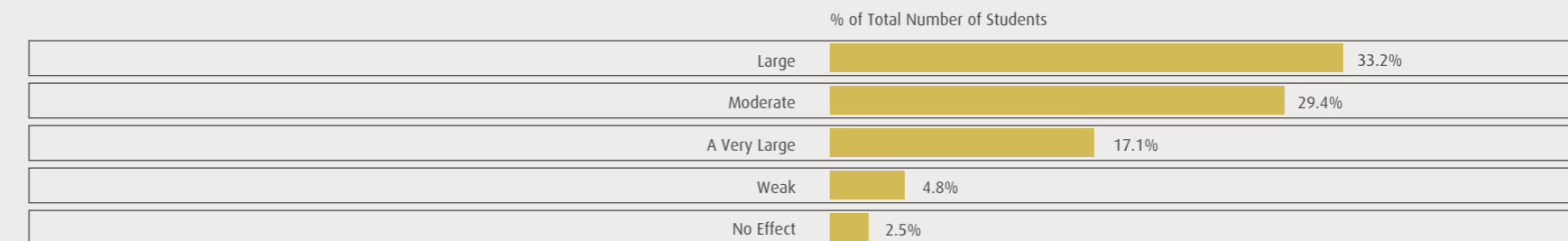


Source: "survey of ICT usage in Pre- University Education", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014, included 9000 students in Pre-University education distributed according to the different education stages



## University Education

### ICT Effect of Professors Usage on Improving Student Grades



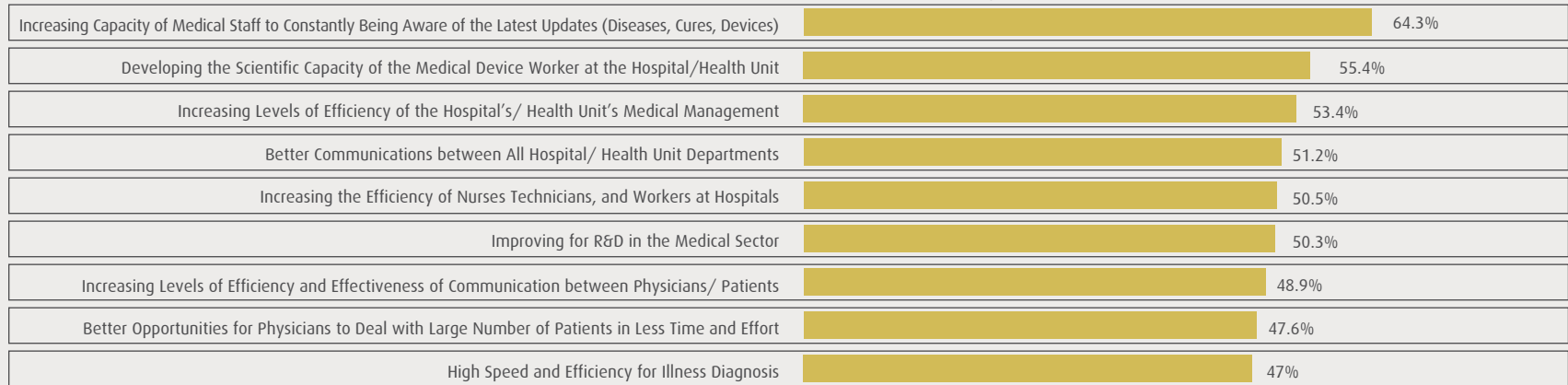
Source: "survey of ICT usage in University Education", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014, included 5550 students in University education distributed according to the different education stages



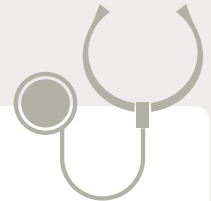
## Health Sector

### The Impact of Using ICT in Health Sector (Hospital's/ Health Units' Managers Perspective)

% of Total Number of Hospitals/ Health Units

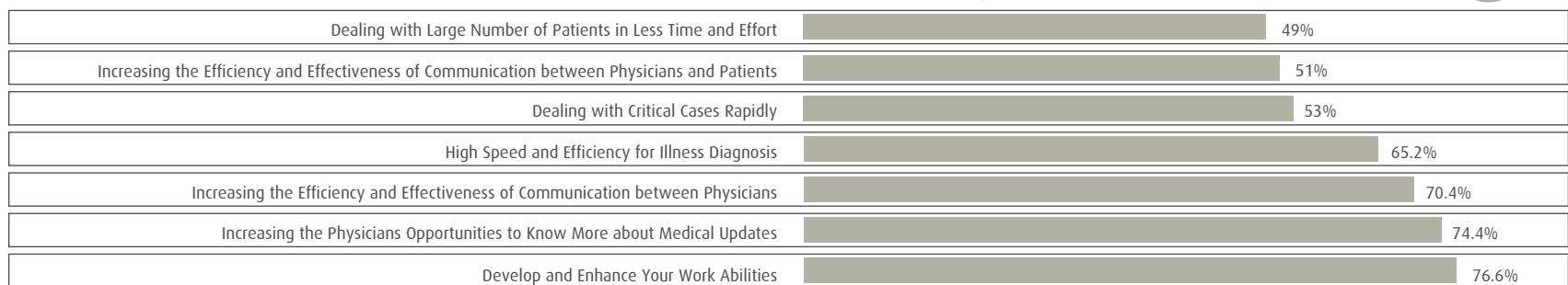


Source: "survey of ICT usage in Health Sector", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014



### The Impact of Using ICT in Health Sector (Physicians' Perspective)

% of Total Number of Physicians



Source: "survey of ICT usage in Health Sector", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014