



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# ICT Indicators Report

2009-2013

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

# 1- 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 and International Internet Bandwidth per Inhabitant

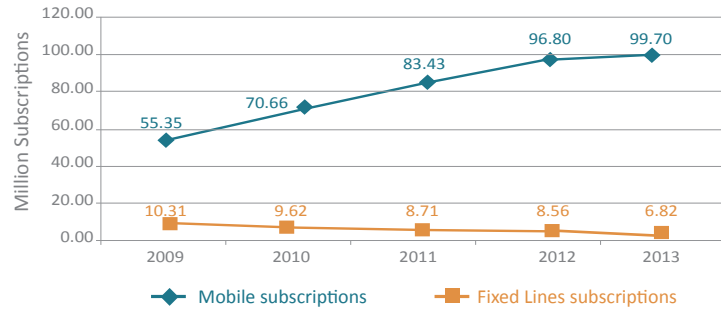
- **Post**

- 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

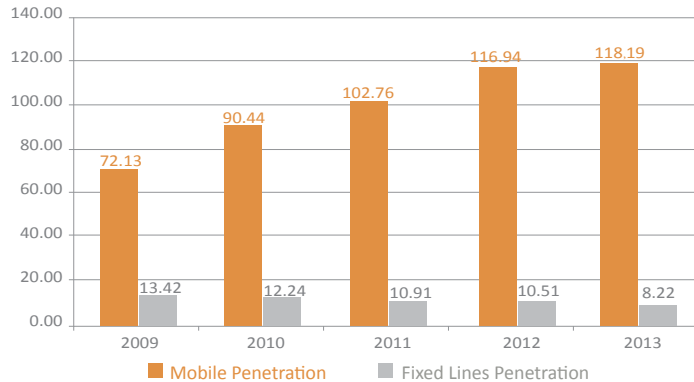
### Fixed and Mobile Subscription



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

- Growth rate of mobile subscription in 2013 compared to 2012: 3%
- Average annual growth rate for mobile subscription During (2009 - 2013): 19.77%

### Fixed Line and Mobile Penetration

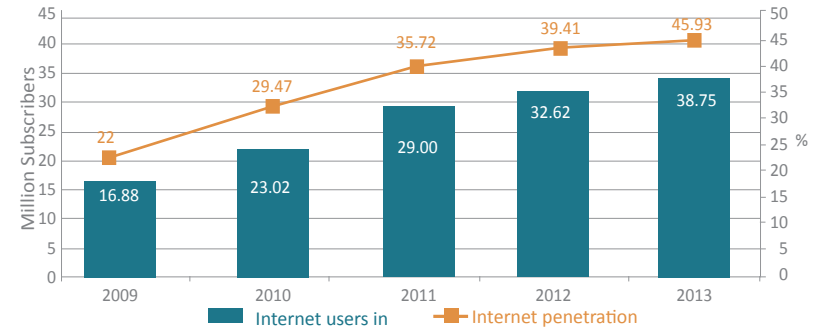


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority, Telecom Egypt.

- Growth rate of mobile penetration in 2013 compared to 2012: 1.25%
- Average annual growth rate of mobile penetration during (2009 - 2013) : 12.68%

## Internet

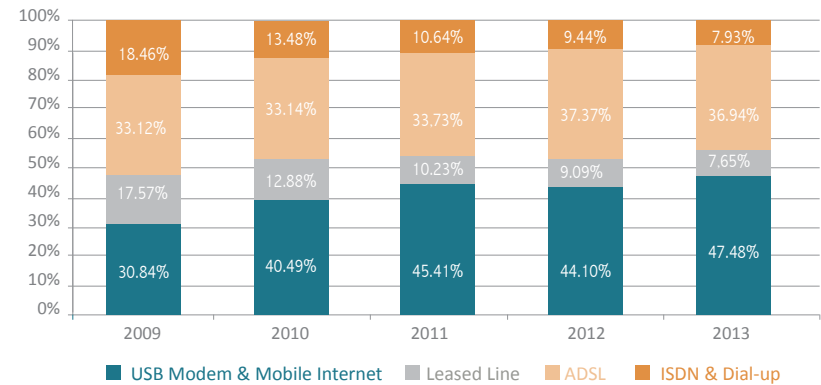
### Estimated Internet Users and Internet Penetration



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

- Growth rate of estimated internet users in 2013 compared to 2012: 18.79%
- Average annual growth rate of estimated internet users during (2009 - 2013) : 31.57%
- Proportion of mobile internet users of total mobile subscriptions in 2013 : 14.54%
- Proportion of mobile internet users of total internet users in 2013: 37.42%

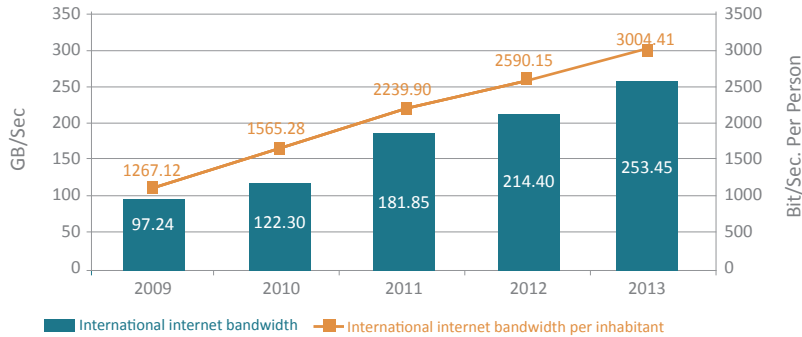
### Estimated Internet Users by Mode of Access



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

- The number of Mobile internet users in 2013: 14.49 million Users
- The number of USB Modem subscribers in 2013: 3.89 million Subscribers

## International Internet Bandwidth

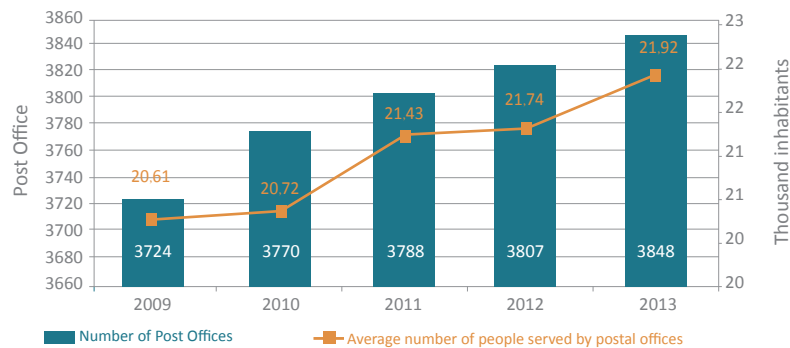


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority.

- Growth rate of international internet bandwidth in 2013 compared to 2012: 18.2%
- Average annual growth rate of international internet bandwidth in during (2009 - 2013): 73.94 %
- Growth rate of international internet bandwidth per in habitant 2013 compared to 2012: 16%
- Average annual growth rate of international internet bandwidth per inhabitant during (2009 - 2013): 70.18%

## Post

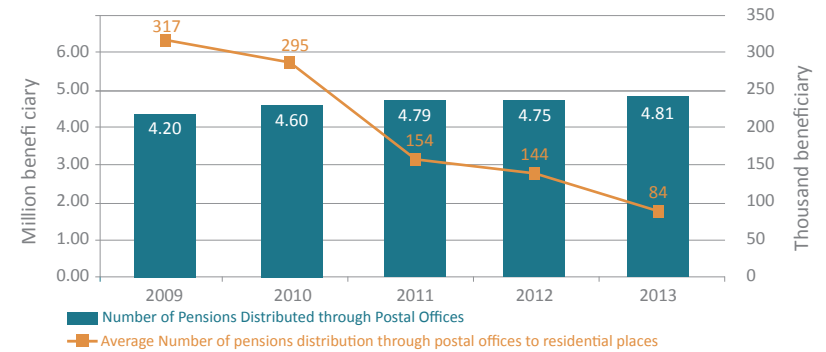
### Number of Post Offices



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

- Growth rate of number of post offices 2013 compared to 2012: 1.08%
- Average annual growth rate of number of post offices during (2009 - 2013): 0.89%
- Growth rate of average number of people served by postal offices in 2013 compared to 2012: 0.83%
- Average annual growth rate of average number of people served by postal offices during (2009 - 2013): 1.39%

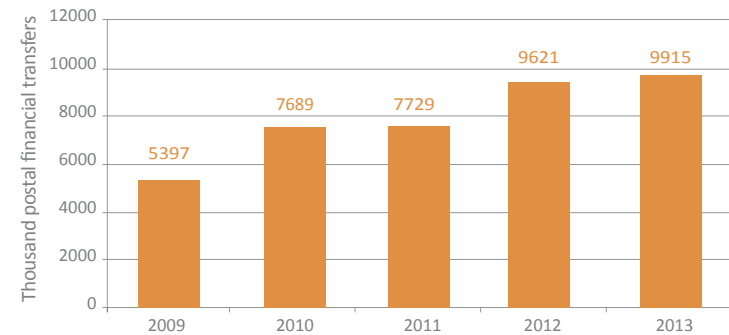
## Number of Pensions Distributed through Postal Offices



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

- Growth rate of number of pensions distribution through postal offices in 2013 compared to 2012: 1.26%
- Average annual growth rate of number of pensions distribution through postal offices during (2009 - 2013): 7.37%

## Number of Instant Postal Financial Transfers



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

- Growth rate of number of instant postal financial transfers in 2013 compared to 2012: 3.06%
- Average annual growth rate of instant postal financial transfers during (2009 - 2013): 25.6 %

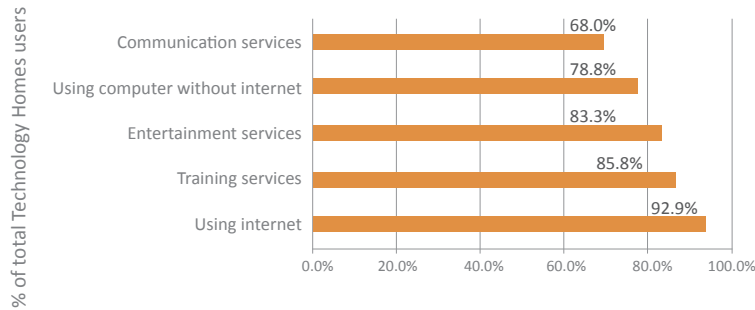


## 2- ICT Sector's Role in Development

- **IT House**
  - Main ICT Activities by Users of Technology Homes
  - Impact of Using ICT Services in Technology Homes
- **Households**
  - ICT Usage by Households
  - Households Connected to the Internet from Home by Access Mode
- **Private Sector**
  - ICT Usage by Private Sector
  - Internet Activities Undertaken by Private Sector
  - Types of R&D Applied by Private Sector in the last 5 years
  - The Impact of R&D on Private Sector
- **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
  - Internet Activities Undertaken by Students in Pre-University Education
- **University Education**
  - ICT Usage by University Education
  - Computer Activities Undertaken by Students in University Education
  - Internet Activities Undertaken by Students in University Education

## Technology Homes

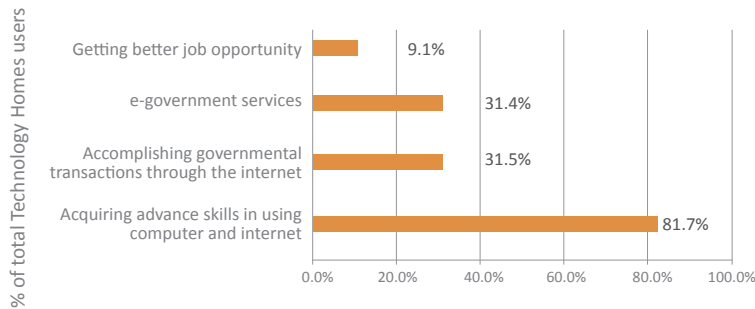
### Main ICT Activities by Users of Technology Homes:



\* Multiple answers are allowed

source: "survey of ICT usage in Technology Home conducted" by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2012 .

### Impact of Using ICT Services in Technology Homes

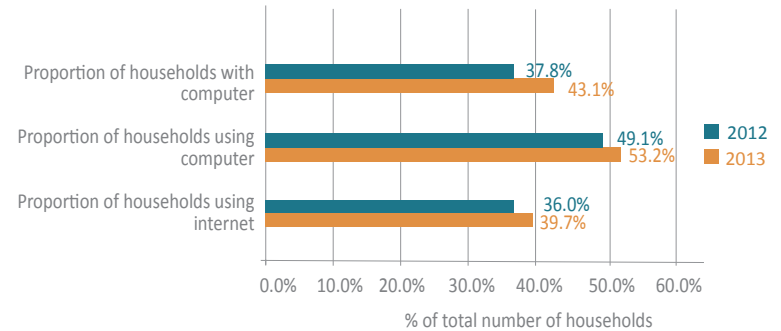


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source: "survey of ICT usage in Technology Home conducted" by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2012 .

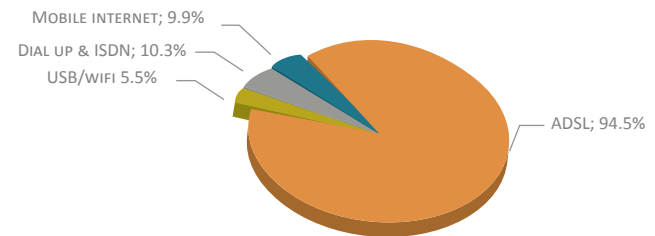
## Households

### 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), 2013 .

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

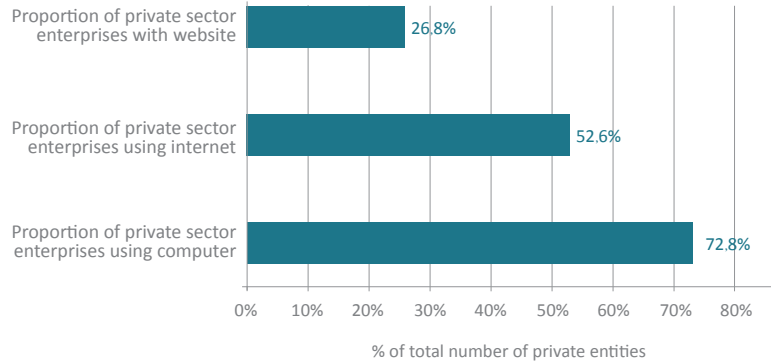


% of total number of households using internet from home

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), 2012 .

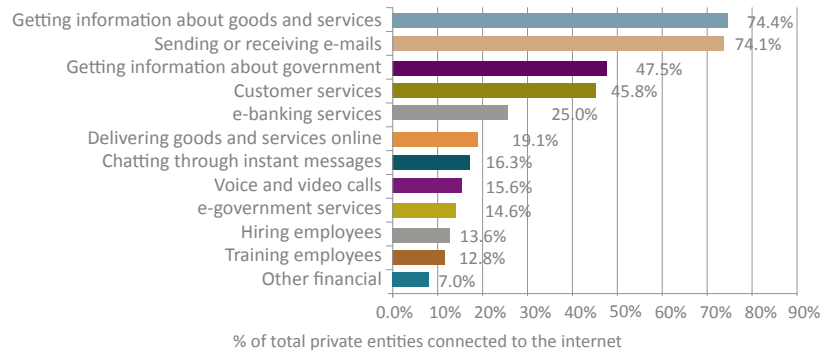
## Private Sector

### ICT Usage by Private Sector



source: "survey of ICT usage in Businesses ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2012 .

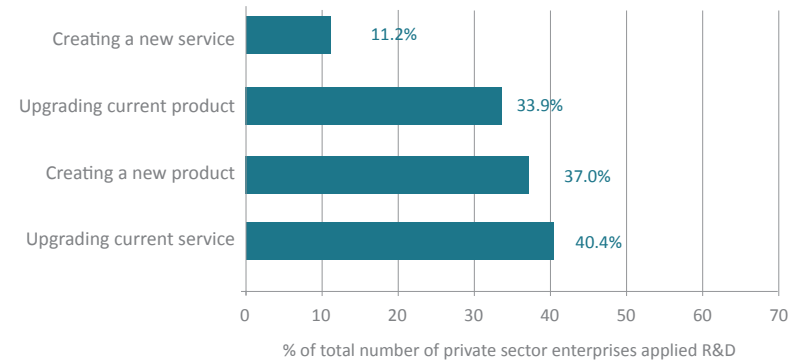
### Internet Activities Undertaken by Private Sector



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source: "survey of ICT usage in Businesses ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2012 .

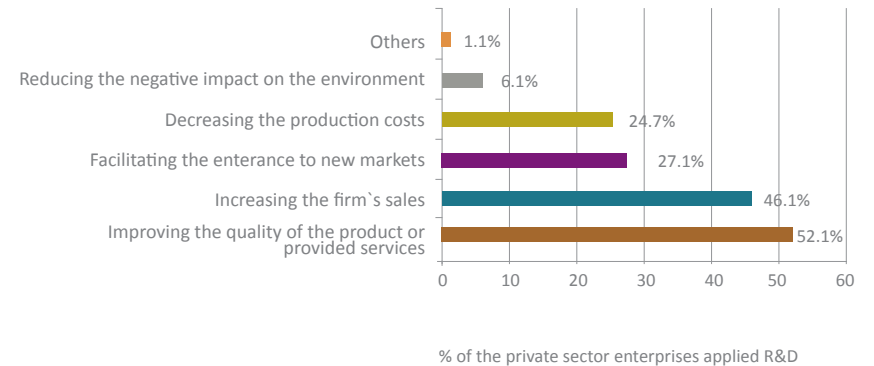
### Types of R&D Applied by Private Sector in the Last 5 Years



\* Multiple answers are allowed.

source: "survey of ICT usage in Businesses ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2012 .

### The Impact of R&D on Private Sector

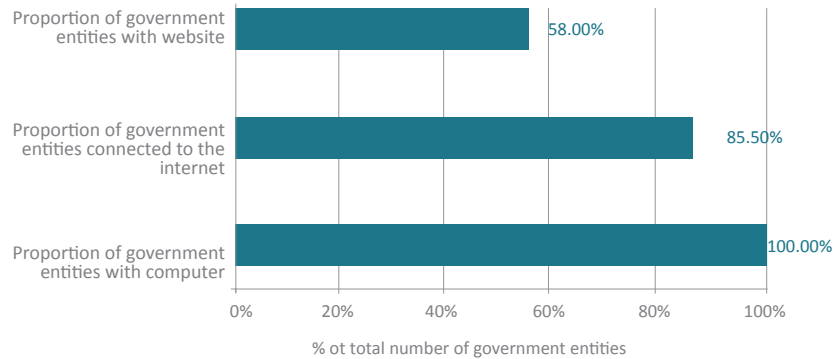


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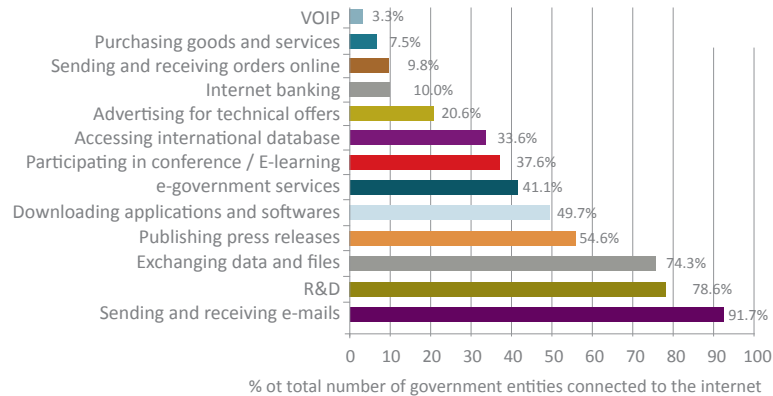
## Government Sector

### 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), 2012 .

### Internet Activities Undertaken by Government Sector

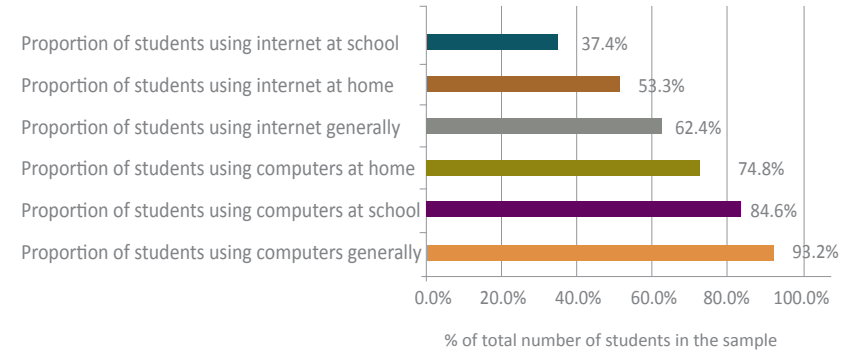


\* Multiple answers are allowed

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), 2012 .

## Pre-University Education

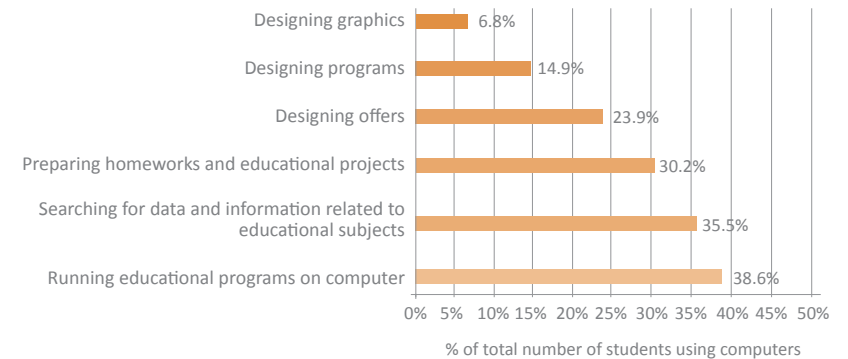
### Uses of ICT in Pre-University Education



\* 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), 2012 .

### Computer Activities Undertaken by Students in Pre-University Education

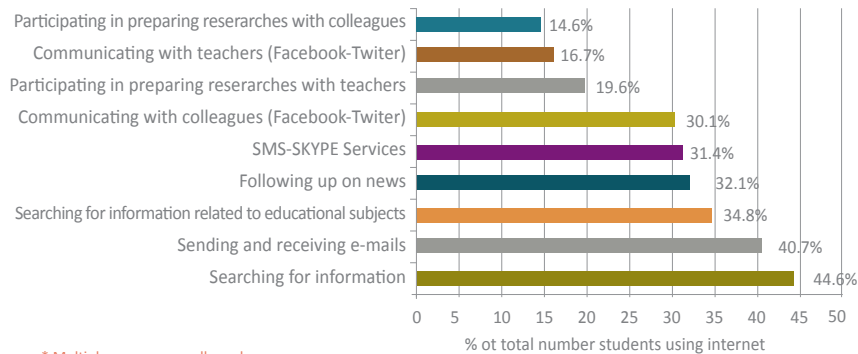


\* Multiple answers are allowed

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), 2012 .



## Internet Activities Undertaken by Students in Pre-University Education

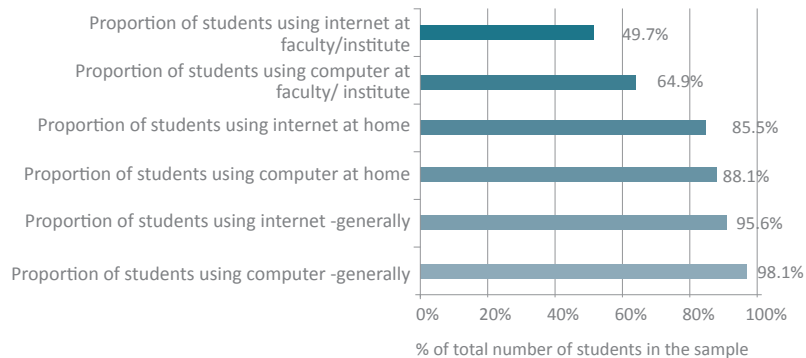


\* Multiple answers are allowed

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), 2012 .

## University Education

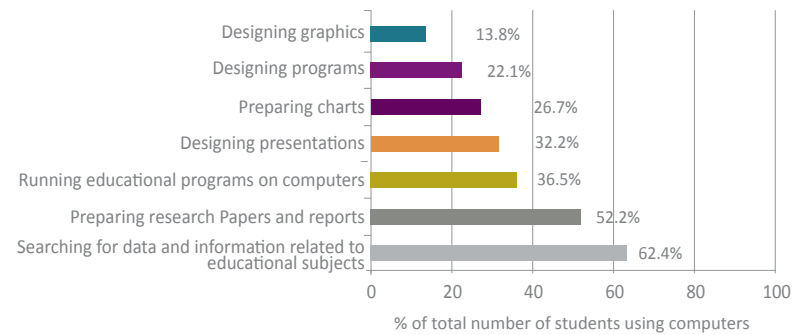
### ICT Usage by Students in University Education



\* 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), 2012 .

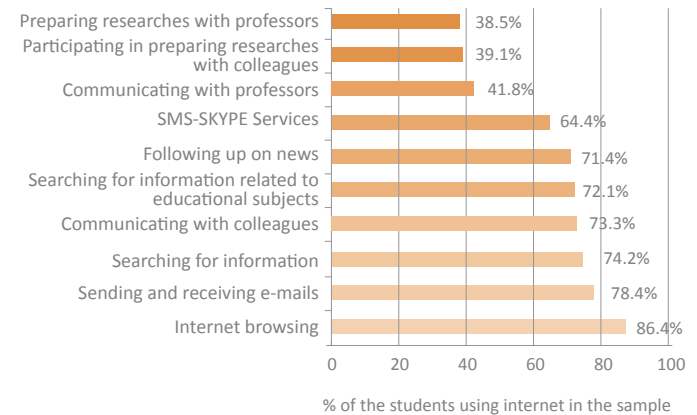
## Computer Activities Undertaken by Students in University Education



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## Internet 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), 2012 .

## 4- The Impact of ICT Usage on Different Sectors

- **Pre-University Education**

- The Relation between Students' Internet Usage by Students in Getting Educational Information and Grades

- **University Education**

- The Relation between Students' Internet Usage by Student in Getting Educational Information and Grades

- **Health Sector**

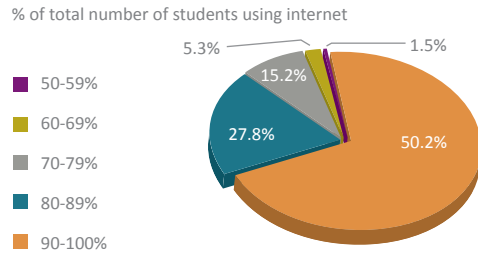
- The Impact of Using ICT in Health Sector ( from Hospital's Manager Perspective )

- The Impact of Using ICT in Health Sector ( from Doctors' Perspective )



## Pre-University Education

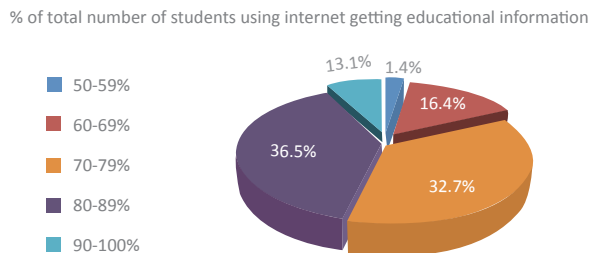
### The Relation between Students' Internet Usage by Students in Getting Educational Information and Grades



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), 2012, included 10000 students in Pre-University education distributed according to the different education stages .

## University Education

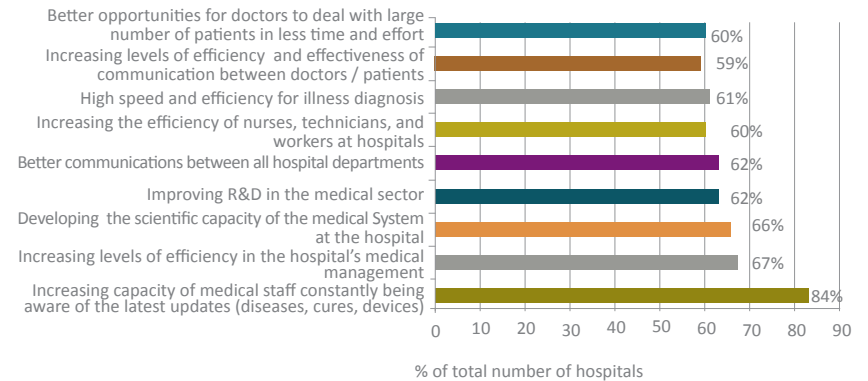
### The Relation between Students' Internet Usage by Students in Getting Educational Information and Grades



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), 2012, included 5500 students in University education distributed according to the different education stages .

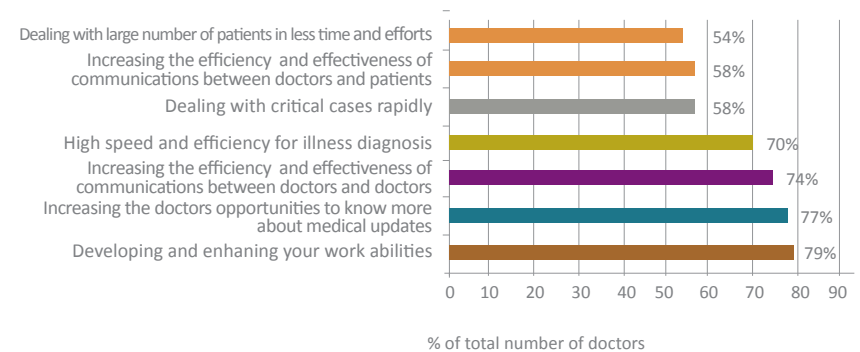
## Health Sector

### The Impact of Using ICT in Health Sector ( from Hospital's Manager Perspective)



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), 2012

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



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), 2012 .