



ITUWTIS
GENEVA**2018**

ICT SKILL – EGYPT'S EXPERIENCE

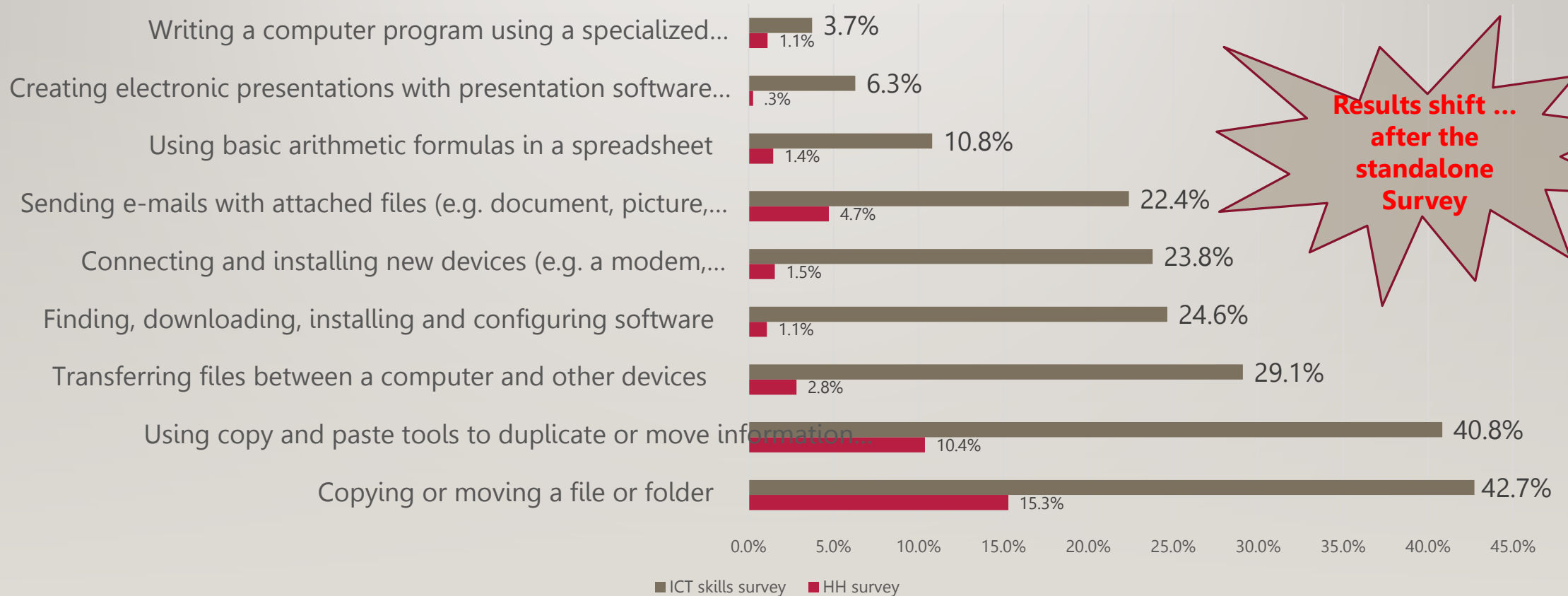
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INTRODUCTION

- The standalone ICT skills survey started in 2016.
- The need for conducting separate survey came from the large size the HH questionnaire has which leads seriously to incomplete answers or in accurate results in addition to low response rate in ICT skills results. The respondents lose interest in completing the large surveys hence answer with “not using” or “not owning” to skip the most possible number of questions. The result is more negative bias in the collected indicators.
- Conducting a standalone ICT skills survey gave enough time for the interviewers to explain to the interviewees the available multiple choices and let them choose accordingly.

The household questionnaire has 13 sections with 89 questions without counting the multiple choices.

COMPARISON OF ICT SKILLS RESULTS IN HH SURVEY AND ICT SKILLS STANDALONE SURVEY



ICT SKILLS METHODOLOGY

- ❖ Data is collected through field survey by NSO based on a stratified, clustered and multi-stages sample composed of 1000 Households (whose individuals are using computer or smartphone with age 6 years old and more).
- ❖ Households were chosen from different Governorates (Urban/Rural) drawn from the basic sample of HHs.
- ❖ The HH sample (15,000 HHs) is based on a stratified, clustered, and multi-stages random sample covers all the Geographic Areas in Egypt.
- ❖ One important note is to link the answers of individuals in ICT skills survey with the answers of the main HH survey by creating unique serial to each individual in HH survey and using this serial to code individual answers' in ICT skill survey.

ICT SKILLS METHODOLOGY CONT'D

- Data are weighted to represent the individuals using computer or smartphone in the population based on the frame created by HH survey; from 15 thousand household, 11234 household with individuals using smart phone or computer.

ICT SKILLS OBJECTIVES:

✓ Main objective: Measuring ICT skills in the Egyptian society.

Sub-objectives:

- ✓ Measuring basic ICT skills.
- ✓ Measuring standard ICT skills.
- ✓ Measuring advanced ICT skills.
- ✓ measuring the possible effect of the ICT skills on relevant variables collected in main HH survey, for investigating the dependency of the internet activities in HH questionnaire on the ICT skills.

ICT SKILLS CATEGORIES

basic

Copying or moving a file or folder

Using copy and paste tools to duplicate or move information within a document

Sending e-mails with attached files (e.g. document, picture, video)

Transferring files between a computer and other devices

standard

Using basic arithmetic formulas in a spreadsheet

Connecting and installing new devices (e.g. a modem, camera, printer)

Finding, downloading, installing and configuring software

Creating electronic presentations with presentation software (including images, sound, video or charts)

advanced

Writing a computer program using a specialized programming language

ICT SKILLS :MODIFICATIONS ON QUESTIONNAIRE 2018

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- In 2018, two additional skills are added according to ITU recommendations;
 - modifying the security settings (e.g. using strong password for personal devices and accounts, activating notification on gaining access to personal account, updating password periodically, relating logging to personal accounts with personal devices).
 - modifying the privacy settings (e.g. changing default privacy settings on personal accounts, selecting who can see personal information on social sites, preventing sites from collecting information about personal activities).
- Deleting of skill (Copying or moving a file or folder) as it is quite similar to another existing skill (Using copy and paste tools).

ICT skills : Main challenges

Actions Taken

ICT SKILLS : MAIN CHALLENGES ON ICT SKILLS SURVEY

Since the ICT skills survey is conducted based on HH survey, the survey must be applied directly after the HH survey before the characteristics of the households differ. This may cause some difficulties in application of ICT skill survey.

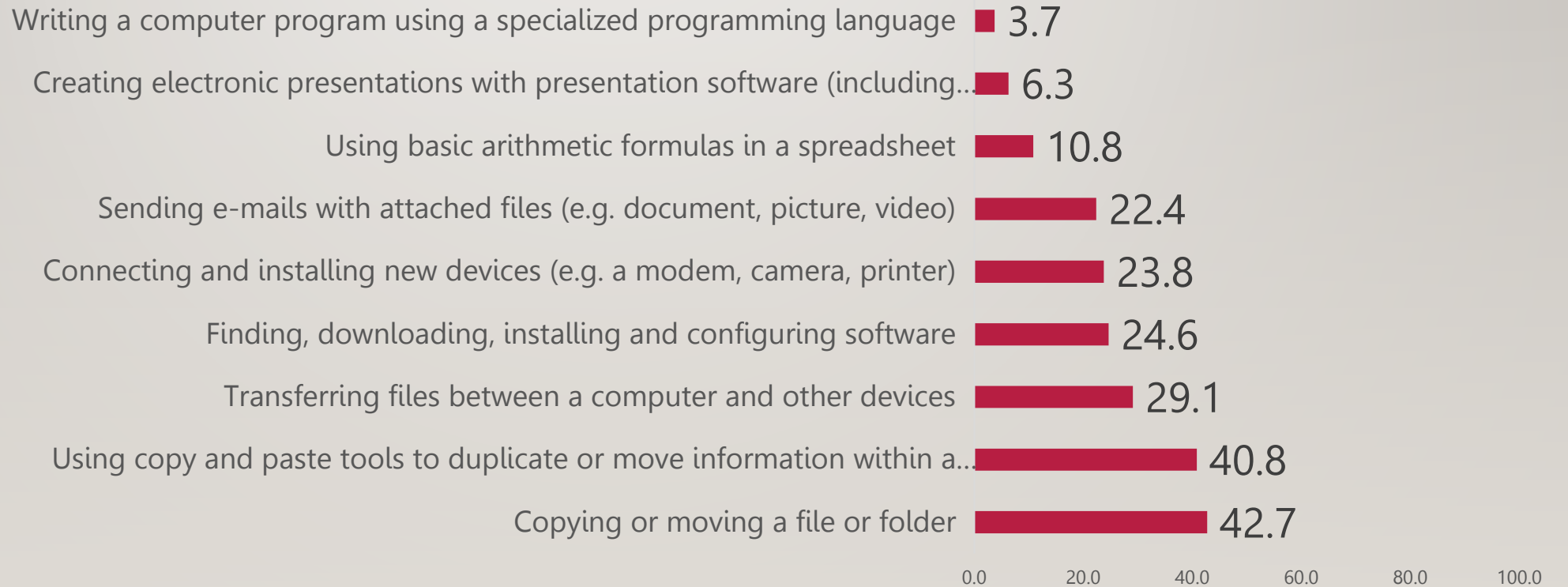
This problem is already tackled by preparing the ICT skills survey at the same time of the preparations of the HH survey - questionnaire design and training of data collectors- before starting the main HH survey, and conducting the ICT skills survey once the frame of individuals using computer or smartphone being collected based on HH survey primary results.

ICT SKILLS : MAIN CHALLENGES ON ICT SKILLS SURVEY CONT'D

- There are difficulty to reach the same individuals already selected in HH survey when conducting the ICT skills survey due to mobility of HH members or non-existence of some individuals.
- This problem could be handled by targeting larger number of individuals than required.

ICT SKILLS : MAIN RESULTS

ICT SKILLS : MAIN RESULTS



FUTURE WORK

- In 6th Meeting of the EGH, the proposed digital competence with five pillars that can be base for the new ICT skills.
- The fifth pillar may be difficult to be measured using self-assessment.
- We may add more advanced ICT skills such as designing application

**INFORMATION
AND DATA LITERACY**

**COMMUNICATION
AND COLLABORATION**

DIGITAL CONTENT CREATION

SAFETY

PROBLEM SOLVING

THANK YOU

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