







Technology: The Consumer's Needs

2004 Needs Assessment Study

a) To identify the needs as perceived by teachers and deaf students of using effectively the technology for educational purposes

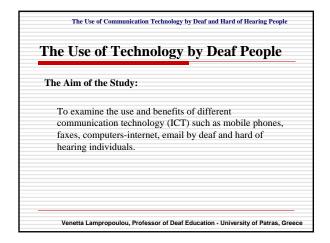
b) to establish priorities among the identified needs

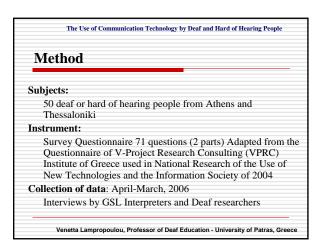
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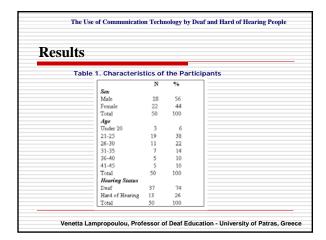
Conclusions of Needs Assessment

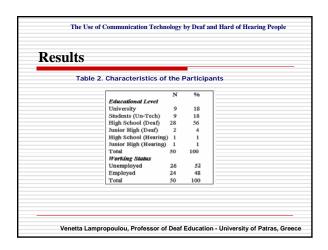
Teachers and Deaf Students value especially the technology that provides opportunities for distance learning and communication with the world outside the classroom (videoconferencing, email, internet, typing interpretation).

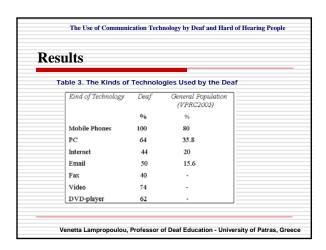
Teachers and Deaf Students will benefit more, if the school curricula was devoted to computer and technology training and if teachers had more specialized training in the subject.

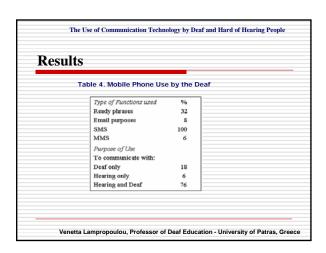


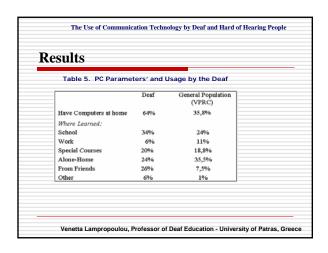


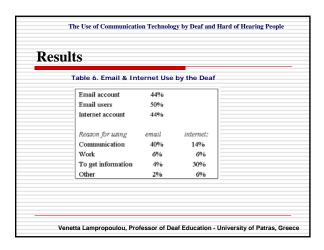


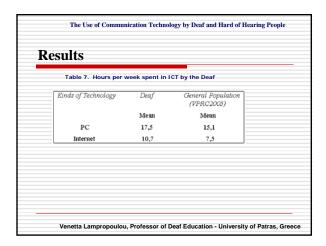


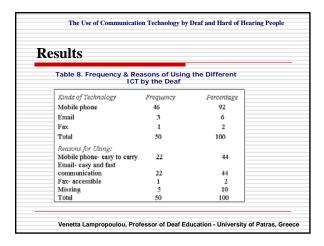


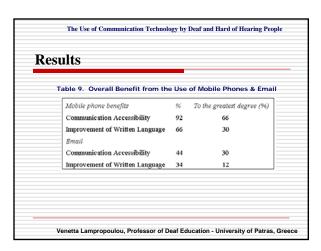












Results

Association Among the Variables:
Sex, Age, Education and Knowledge of PC

• Men spend more time in the Internet (twice as much) than women (t(31)= -2.64; p<0.05)

• Deaf of older age seem to make more use of the fax than younger age Deaf people (x²= 21.2; df=5; p<0.05).

• The Deaf students seem to use more the mobile phone to send email messages than all other categories (x²=19.99; df=8; p<0.05).

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The Use of Communication Technology by Deaf and Hard of Hearing People

## Results

- The **graduates of High School** for the Deaf seem to benefit more than all other categories in their written language by writing messages through the mobile phone (x²=18.38; df=8; p<0.05).
- The University graduates seem to have more Internet connection than all other categories (x²=16.35; df=8; p<0.05).</li>
- University graduates and students seem to spend more time in the Internet than all other categories (F(6.26)=4.44; p<0.05).

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## Results

- The ones who know well how to use a computer seem:
  - to send more messages through the mobile phone  $(x^2=9.95; df=3; p<0.05)$
  - to make more use of the fax ( $x^2$ = 8.18; df=3; p<0.05)
  - to have more Internet home connection ( $x^2=8.88$ ; df=3; p<0.05)
  - to make more use of the Internet (x<sup>2</sup>=19.57; df=9; p<0.05)
  - to use more the email of any other category (x2=12.16; df=3; p<0.05)

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## **Conclusions**

- New Technologies seem to have changed the life and broadened the communication opportunities of Deaf and hard of hearing people.
- Mobile phones have provided an easy access to communication not only between Deaf people but also between hearing and Deaf and seem to be the most popular and promising ICT for the Deaf.
- The level of education and especially computer knowledge seem to be necessary in order for Deaf and hard of hearing people to take a full advantage of the new technologies.

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Thank You!

## **Greetings from Greece**





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