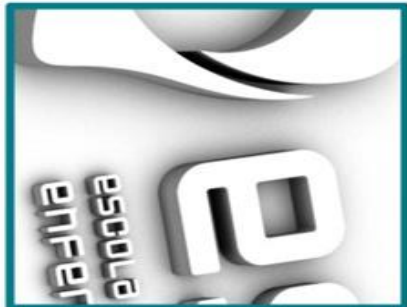


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Educational Tool to Improve Caregiver Role

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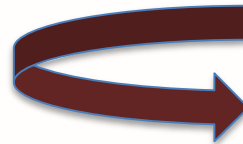
³ RN, McN, PHD

S. Paul University Professor



Context

New needs and challenges in looking for health care



Increase in chronic diseases;
Increasing number of elderly

Health professionals need to seek new solutions to enhance the quality of life of individuals and family



Context

- ❑ There is some evidence of the impact of the application of information technologies on the quality of care (Chaudhry, 2006)
- ❑ The use of information and communication technologies in health constitutes as essential to the promotion of safer, affordable and efficient healthcare (ACS, R. et al, 2010)



Study purpose

- ❑ Develop and evaluate an interactive tool to improve family caregiver role



Material and Method

- ❑ Development of interactive tool
 - The methodology for developing the tool was based on Addie (analysis, design, development, implementation and evaluation) model based on Contextualized Instructional Design (CID)
 - Support of the Institute of Engineering – Polytechnic of Porto (ISEP)- master`s degree student



Matherial and Method

- ☐ Contents were built focusing on basic needs of caregivers lives allowing to overcome difficulties in caring of dependent person, with dependency on self care feeding, transferring and turning.
- ☐ The interactive educational tool was supported by videos demonstrating procedures and audio documents
- ☐ Videos were built and carried out taking into account the most frequent types of care developed by family caregivers, attempting to meet the needs of carers for dependent persons.

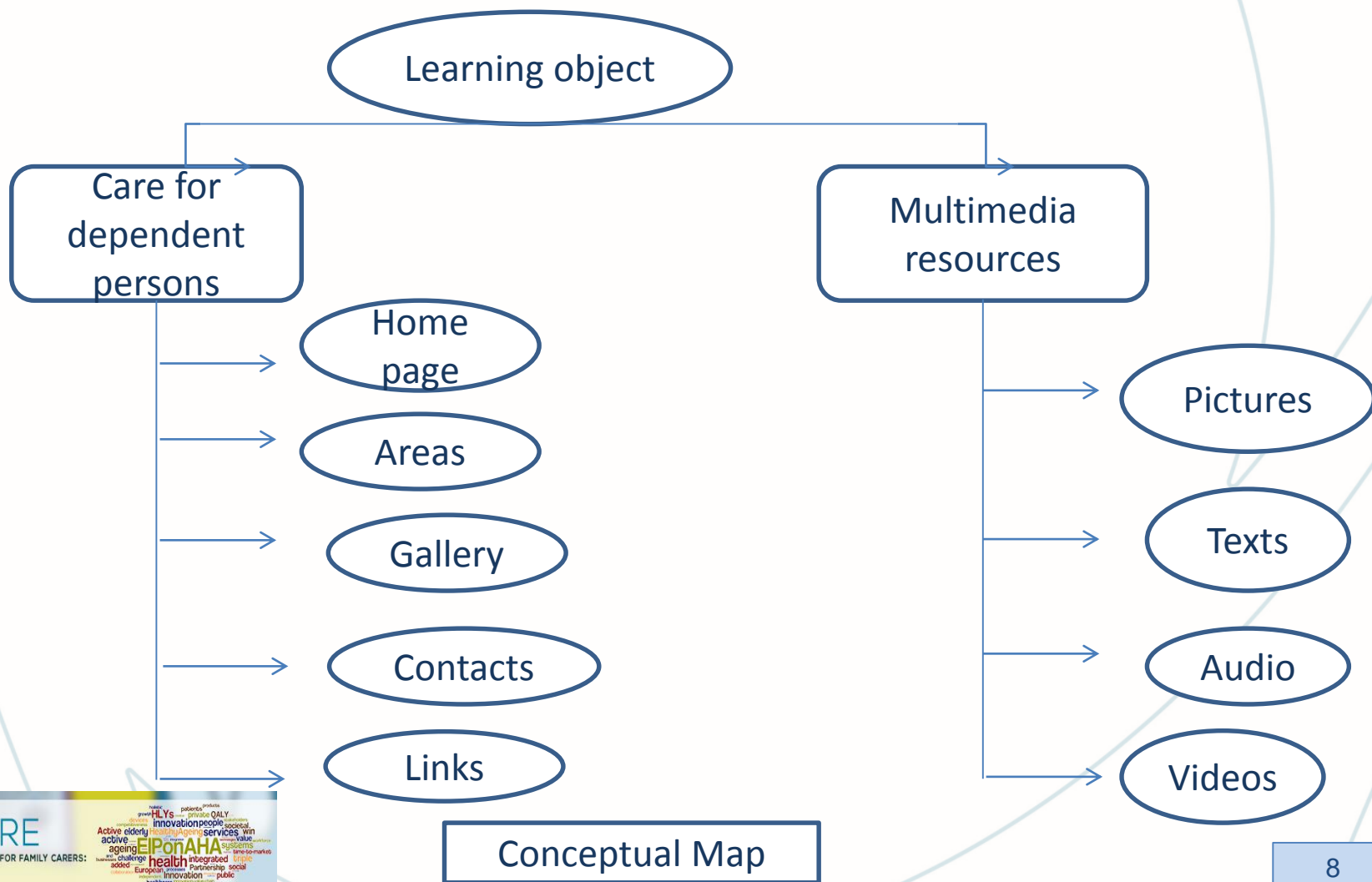


Material and Method

- ❑ Evaluation by a expert group composed of specialists in the subject areas studied, consisting on:
 - Teachers in the area of adult health and the elderly
 - Assessing interactive tool questionnaire: page load speed, design, objective information, ease of navigation, clear and logical organization, photography, and pictures, content and links correctly written.



Development of interactive tool



INTENT-CARE

INTERACTIVE EDUCATIONAL TECHNOLOGIES FOR FAMILY CARERS:
KNOWLEDGE AND SKILLS DEVELOPMENT



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Cuidar
de pessoas
dependentes

INÍCIO

Início

Temas

Galeria de Imagens

Contactos

Link's Úteis

Mapa da
Ferramenta

CUIDAR DE PESSOAS DEPENDENTES



Bem vindo ao recurso tecnológico de aprendizagem:

Cuidar de Pessoas Dependentes



isep Instituto Superior de
Engenharia do Porto





Participants characterization

- N=6: Male (1) Female (5)
- Age: M- 49,83years (Mn-43; Mx-53) (Dp \pm 3,7)
- Professional category: associate professor- 66,7%(4) coordinator - 33,3 %(2)
- Time of profession: M- 26,83 years (Mn- 20; Mx- 32); (Dp \pm 4,3)
- Academic qualifications:
 - Degree (6): nursing science 16,7% (1), public health 66,7%(4), economic health 16,7%(1)
 - Post degree(6): community health 66,7%(4), medical-surgery 33,3%(2)
 - Master (5): nursing science 50%(3), psychology of health 33,3%(2)



Results



Utility	<u>M</u> - 9,5 (Mn-7; Mx-10) (Dp± 1,2)
Ease of navigation	<u>M</u> - 8,8 (Mn-7; Mx-10) (Dp± 1,5)
Design	<u>M</u> - 8,3 (Mn-6; Mx-10) (Dp± 1,5)
Quality of videos	<u>M</u> - 7,8 (Mn-6; Mx-10) (Dp± 1,8)
Relevance of videos	<u>M</u> - 9,6 (Mn-8; Mx-10) (Dp± 0,8)
Accuracy of videos	<u>M</u> - 8,8 (Mn-7; Mx-10) (Dp± 1,5)
Audio	<u>M</u> - 8,2 (Mn-6; Mx-10) (Dp± 1,6)



Results

Page load speed	<u>M</u> - 8,8 (Mn-8; Mx-10) (Dp± 0,8)
Objective information	<u>M</u> - 8,8 (Mn-6; Mx-10) (Dp± 1,6)
Clear and logical organization	<u>M</u> - 9,5 (Mn-7; Mx-10) (Dp± 1,2)
Interactivity	<u>M</u> - 8,5 (Mn-8; Mx-10) (Dp± 0,8)
Global assessment	<u>M</u> - 8,5 (Mn-7; Mx-10) (Dp± 1,2)



Results

Found a bug or problem?

No - 4

Yes - 2

One movie demonstration of caregivers disappear all commands, including allowing return to the home page

The audio sometimes fails



Results

Plans to contribute any suggestions for improving the educational resource?

No- 4

Yes -2

Simplify the language

Improve the synchrony between sound, image and text



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Conclusion

The experts consider this educational tool innovative , interesting and very helpful to family caregivers



Conclusion

We develop a trusted and user-friendly site. The major innovative element will be the platform interactivity' conception meeting with users needs, helping them in their decision making and allowing family caregivers to decide which information they want to know and learn about.

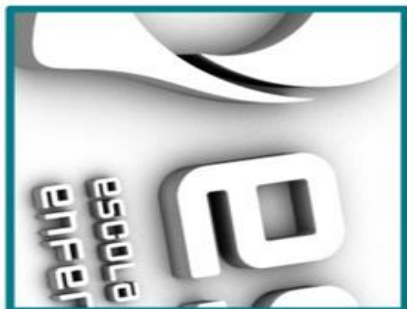
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Thank you

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Portugal

26 julho 2014