WP7 <Involving the user: from codesign to piloting>



Some lessons learned from pilot study

25th February 2021

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769643

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SUMMARY

- 1. The road: our starting point
- 2. Who we are?
- 3. Who are they?
- 4. What were we to do?
- 5. How did we do it?
- 6. What problems did we face?
- 7. What was participants' experience?
- 8. What did we learn?





The Road: our starting point







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WHO WE ARE?

THANK YOU TO MAKE IT POSSIBLE !













A SERVICAT Per a Torientació del Talent Emprenedor Secot Voluntariado Senior de Asesoramiento Empresarial UTAB Idiomes BOON

Associació Club de Jubilats i Pensionistes de Ripollet Grey Panthers







WHAT THEY EXPECTED?

- To get involved in a project to help older people
- To know how to improve their health status
- To know how they can improve or retain their status
 - To monitor their physical activity performance and to be motivated to do it
 - To retain their autonomy
 - To retain their cognitive status
 - To monitor their sleep quality
 - To know how to improve their healthy eatings habits
 - To lose weight (sub-group)





The Road

Assess the feasibility of a study to show the impact of the device over health status and wellbeing.
Assess the validity of technological procedures developed by the NESTORE partners for this project.

Assess the usability and applicability of the platform.





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WHAT WERE WE TO DO? NESTORE Study Design



WHAT WERE WE TO DO? GROUPS

- Intervention: 20 persons per site (gender balanced)
 - Will use the NESTORE system (12 weeks)
 - Participant will select at least one pathway of interest.
 - Once selected, the NESTORE system gather information during 2 weeks and then proposes machine-learned tailored advice to the participant until the end of follow-up.
 - Run-in period: Replacement of persons not using the system by their own will during the first 15 days.
- Control: 10 persons per site.
 - Control group will receive printed material or audiovisual with general recommendations of healthy habits, without any component of the NESTORE system





How did we do it?



Source: Kammerer, et.al. 2019. DOI: <u>10.13094/SMIF-2019-00012</u>





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02/25/2021

HOW LONG DID IT TAKE?

NESTORE fieldwork itinerary in 250 days



WHAT PROBLEMS DID WE FACE?

A problem based on numbers / Recruitment







HOW WE DEAL WITH PROBLEMS?







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WHAT PROBLEMS DID WE FACE?

A problem based on numbers / The System



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Flexibility tool

HOW WE DEAL WITH PROBLEMS?







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WHAT PROBLEMS DID WE FACE?

SARS- COV 19 Confinement and Restrictions









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HOW WE DEAL WITH PROBLEMS?



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WHAT WAS PARTICIPANTS' EXPERIENCE?

Even though, technical problems, participants strongly believe that NESTORE project is a good idea and could contribute to improve active aging and wellbeing. The project has wide scope for improvement:

What works and not?

- Keep it simple
- Fit my life and respect my schedules
- Personalization
- Jazz up the experience (amusement and gamification)
- Interaction
- My progress status
- Positive messages
- Diversity of activities
- Understandable graphics
- A practice community
- A human touch





- Much information is less
- Lack of adaptation to my previous activities
- Coercitive or inquisitor coach style
- Repetitive activities
- Not applying communication strategies





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WHAT DID WE LEARN? In conclusion

In relation to the pilot study...

- To confront the difficulties of creating a heterogeneous sample applying the TiBAR model for recruitment and retention
- To manage expectancies during the pilot study and continuous follow-up
- To apply the community concept before and after

In relation to the intervention...

- To reduce the fragmentation in the use experience.
- Several aspects influencing technological adherence: simplicity, expectancies, diversify tasks, manage tasks overload, constant positive stimuli, personalized follow-up with proximity, etc.
- To be aware of the risk that incidences take a center stage in users' experience
- The role of the virtual trainer is key to generate bonding, acceptance and adherence as a compass
- Communication, positive messages and gamification are very important







Thank you very much companions!

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