TAILORED: Training for Independent Living through Observant Robots and Design

Laurel Riek¹, Elizabeth Twamley², Kamalika Chaudhuri¹

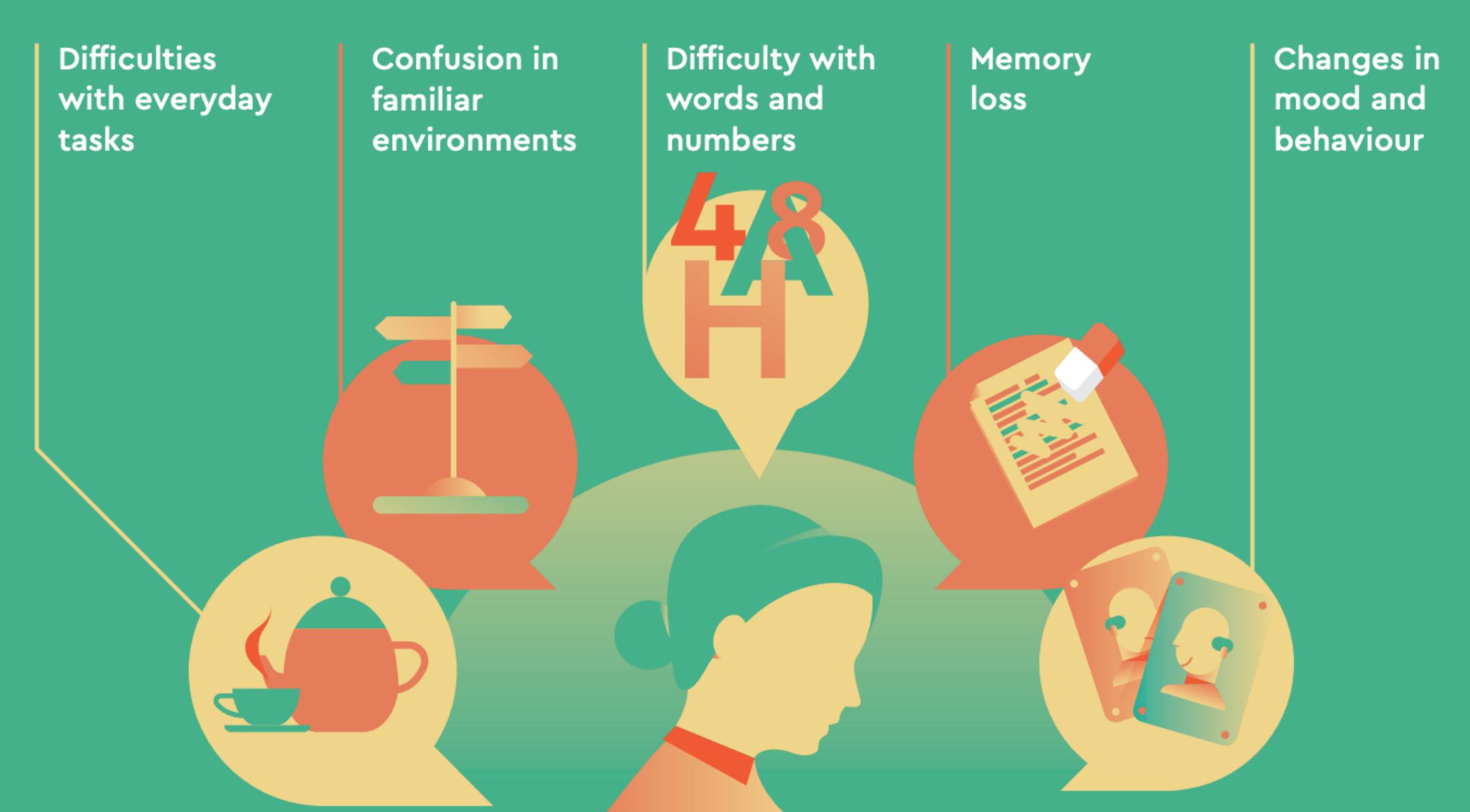
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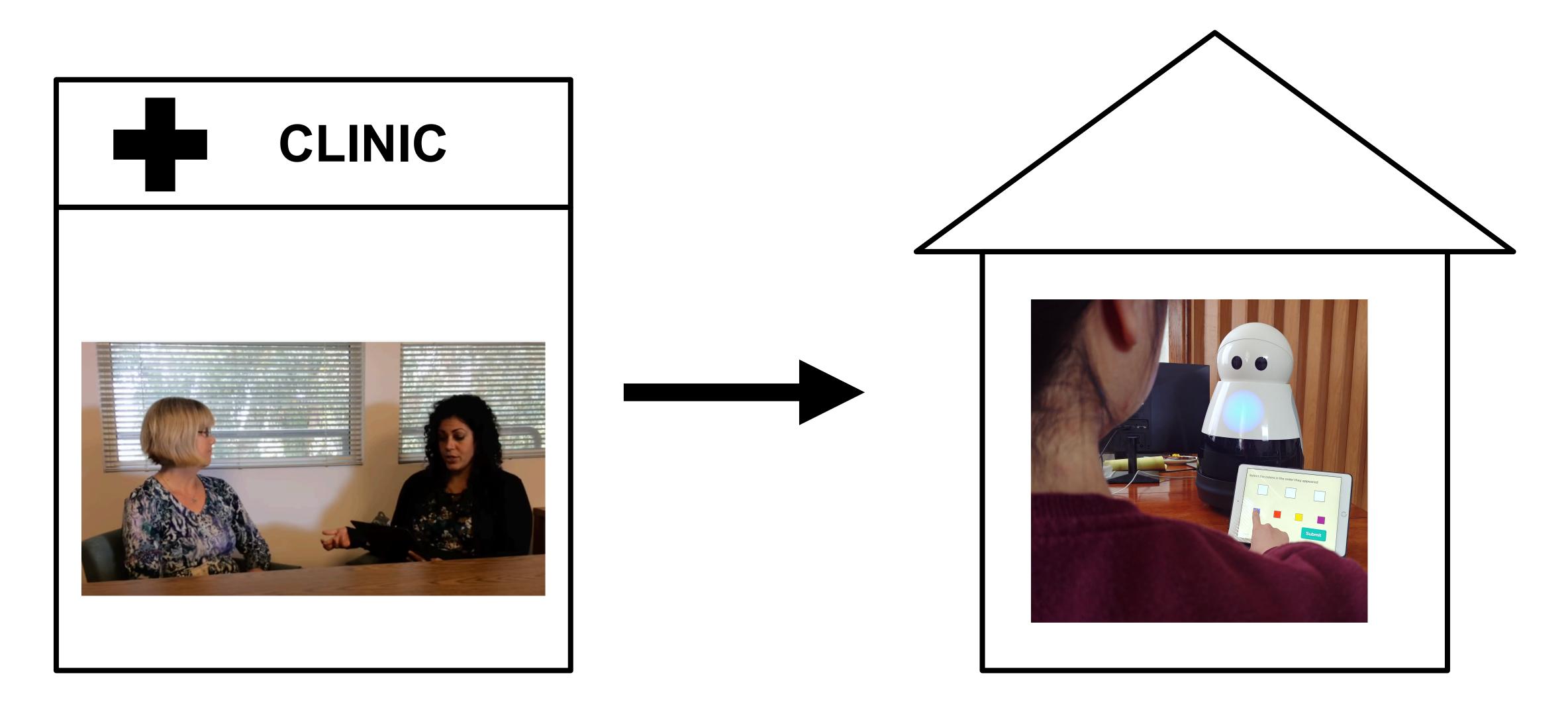






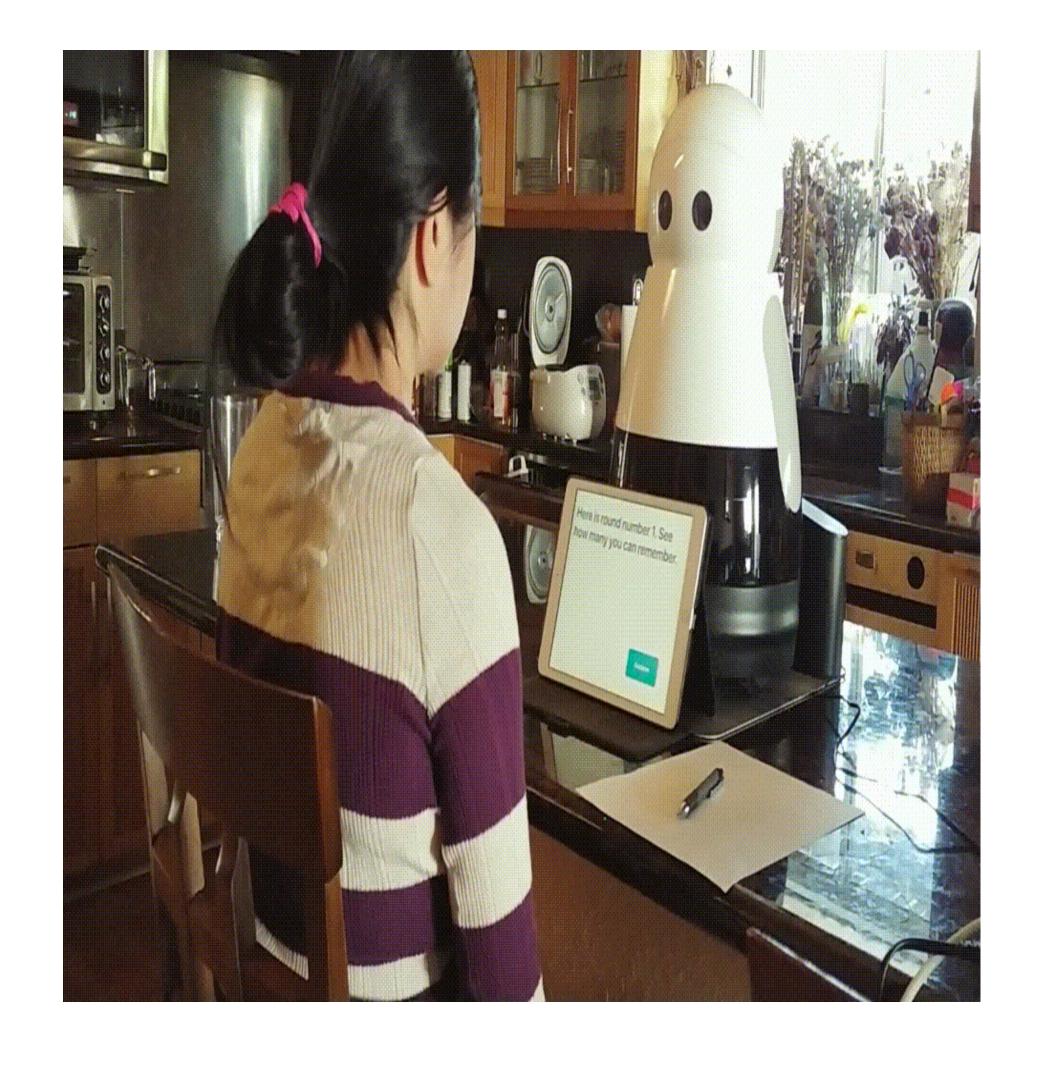
World Health Organization

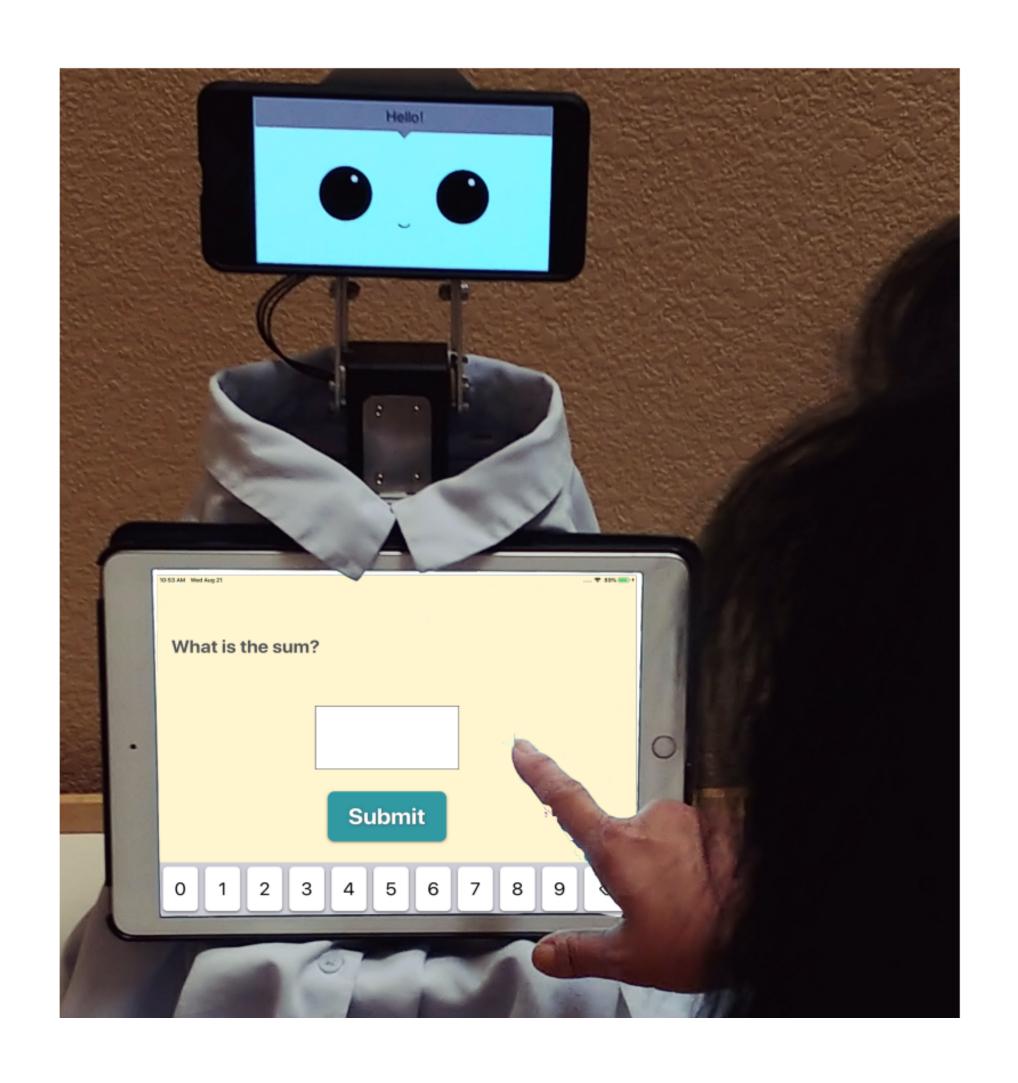
Cognitively Assistive Robots Deliver Neurorehabilitation @ Home





Our Robot Prototypes which Administer CCT







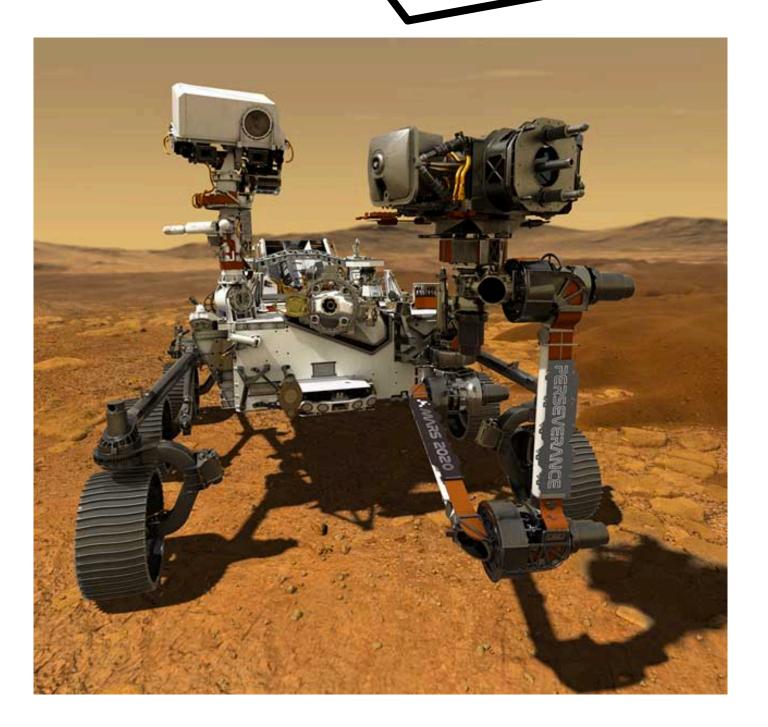
HRI Design Patterns for Translational Science

- 1. Reward perseverance over performance
- 2. Connect the intervention to the real world
- 3. Relate the intervention to a user's interests
- 4. Goal setting
- 5. Promote engagement
- 6. Obtain feedback from users
- 7. Reminders
- 8. Personalization



1) Rewarding perseverance over performance

You've practiced 3 days in a row! Keep it up!

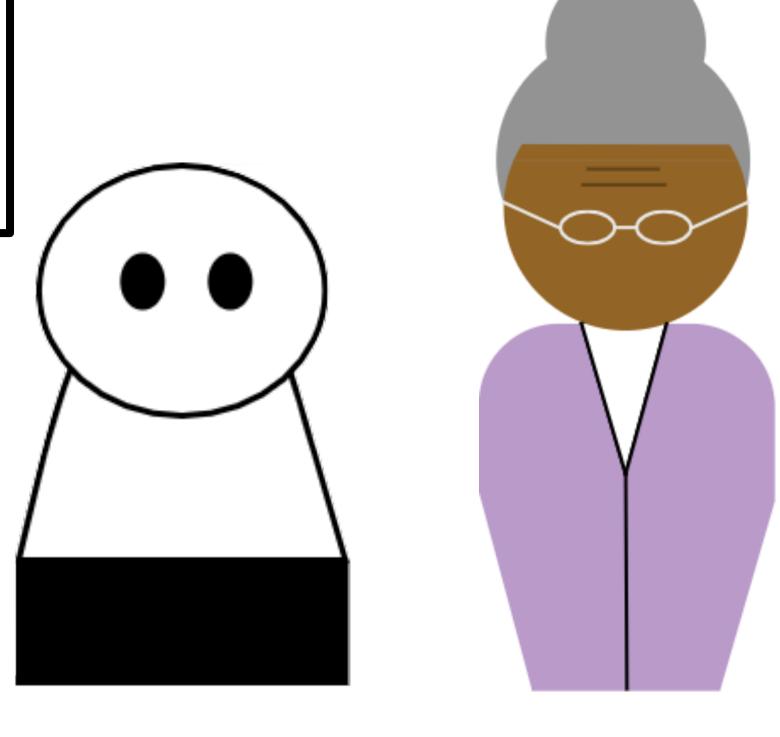






2) Connecting the intervention to the real world

Can you try using the Categorizing strategy to remember your grocery list?



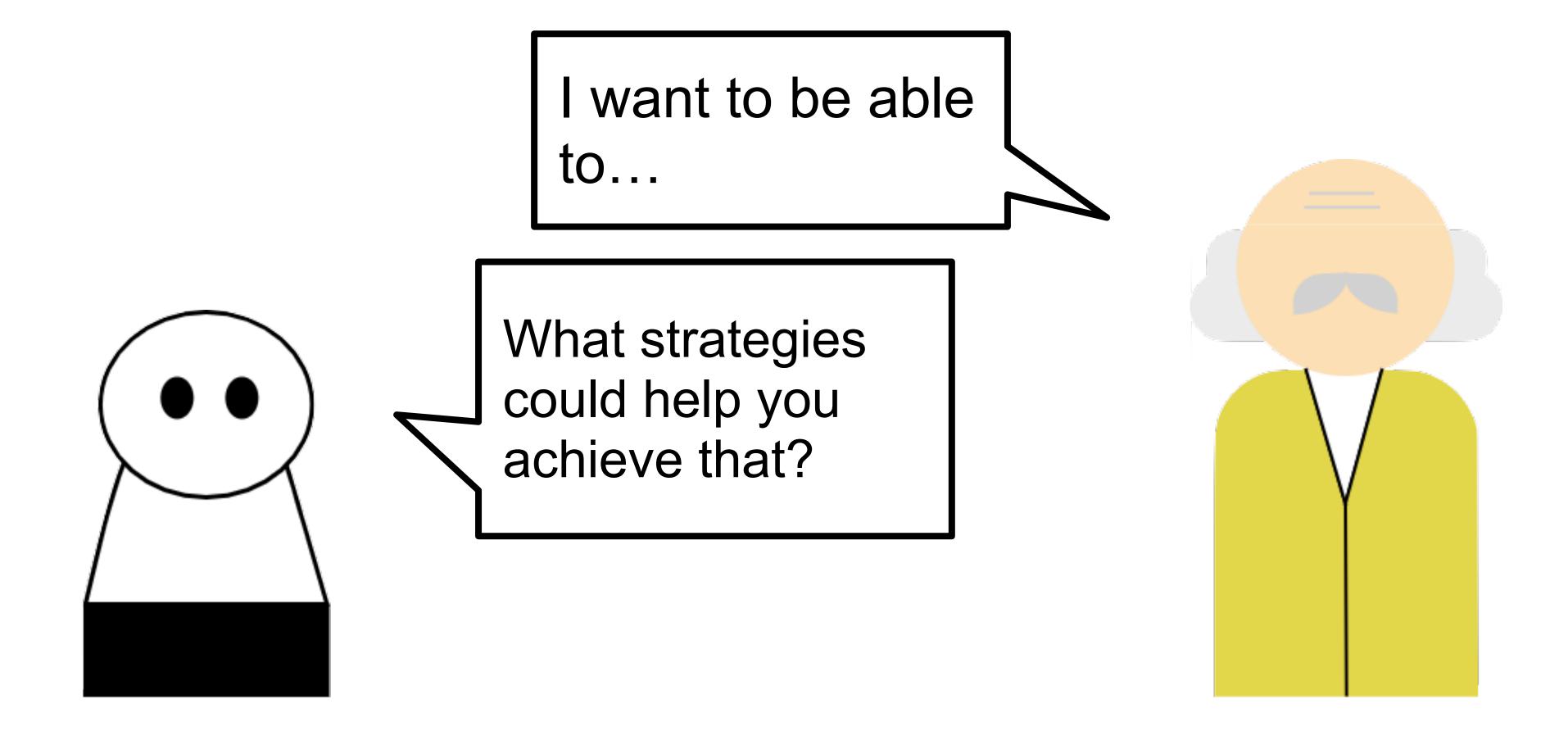


3) Relating the intervention to a user's interests

Can you Brainstorm all the items you'd need to renovate your motorcycle?

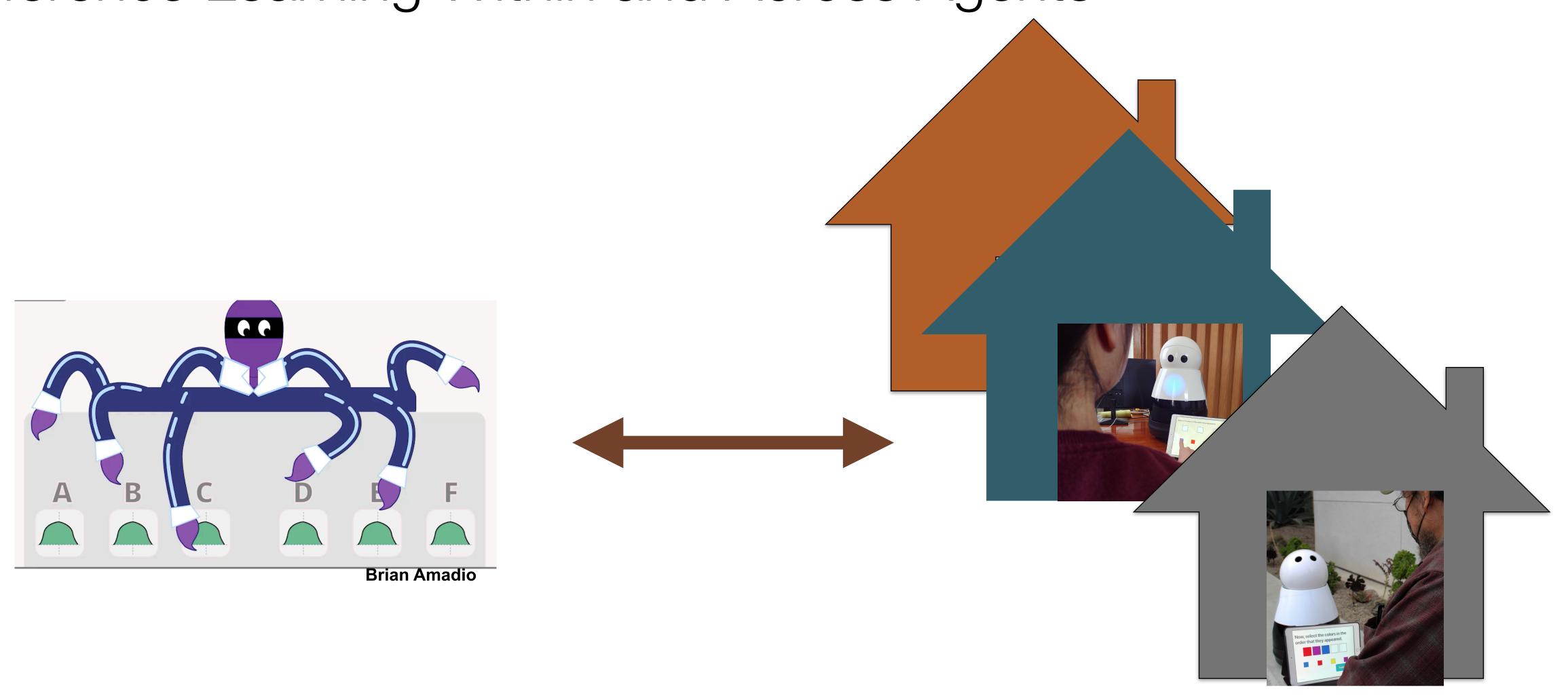


4) Goal setting





Preference Learning Within and Across Agents



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