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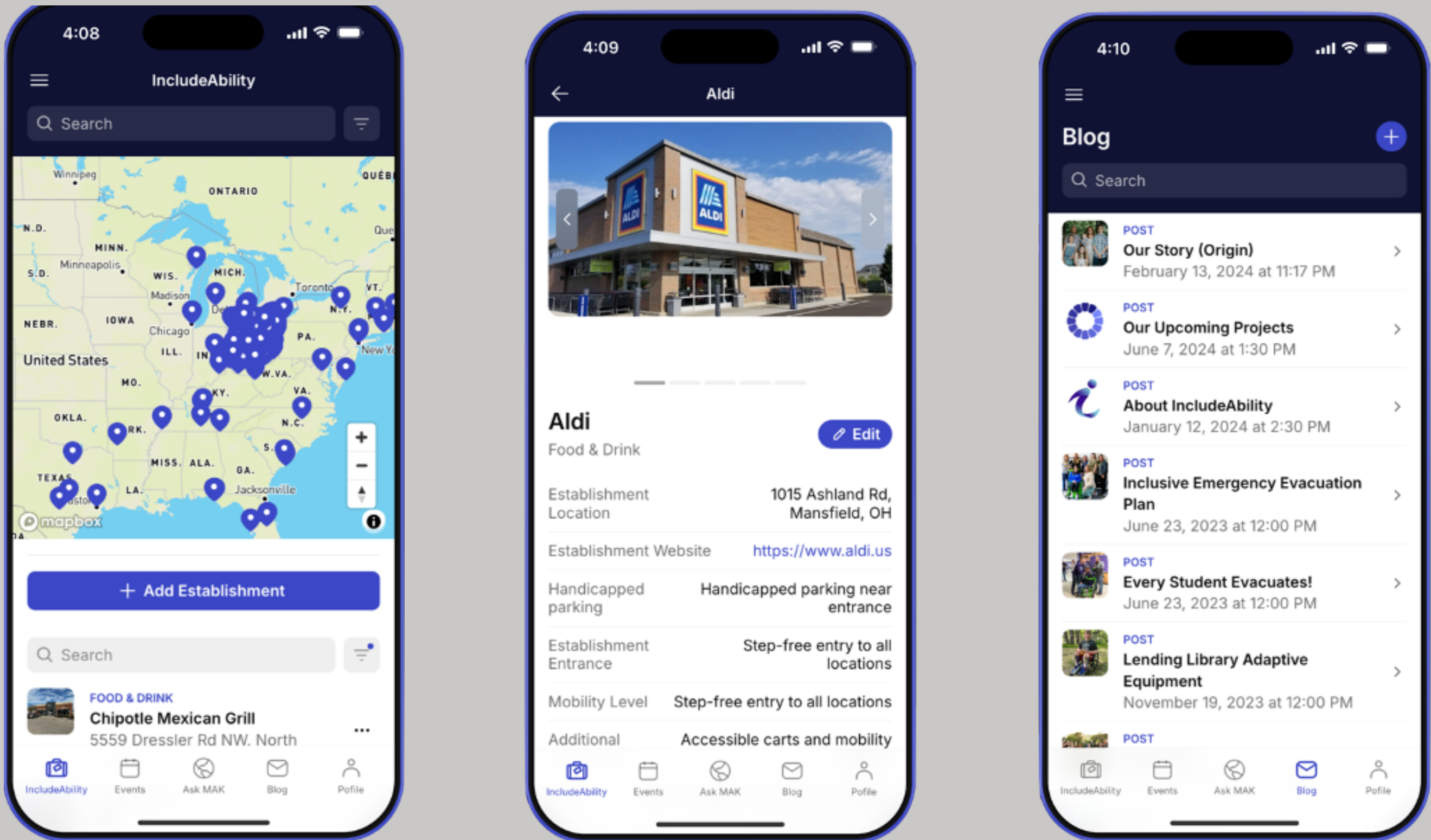
Enhancing Quality of Life with the IncludeAbility App

Evaluating the Impact of the IncludeAbility App on Decision-Making, Community Engagement, Social Inclusion, and Autonomy for Individuals with Physical Disabilities



IncludeAbility App

IncludeAbility is a Virtual Travel Assistant (VTA). A mobile app that empowers users with disabilities through features like virtual assistance, interactive accessibility maps, and decision-making support for daily activities.



Purpose

This study evaluates how technology, specifically the IncludeAbility app, impacts the quality of life for individuals with physical disabilities, focusing on autonomy, decision-making, social inclusion, and community engagement.

Methodology

The data collection instrument for this study was a structured survey administered via Qualtrics, consisting of 34 questions designed to assess the five constructs and demographic information.

- 2 Week Beta Test
- Comparison studies
- Results & Conclusion

Major Conclusions of Study

- Users report high satisfaction with independence and daily function.
- The app supports autonomous decision-making with reliable accessibility info.
- Encourages strong social participation and community integration.

Implications of Research Findings

- FineTune chatbot Mak for personalized AI guidance.
- Use dual APIs for real-time feedback.
- Partner with advocacy groups to refine features and meet accessibility standards.

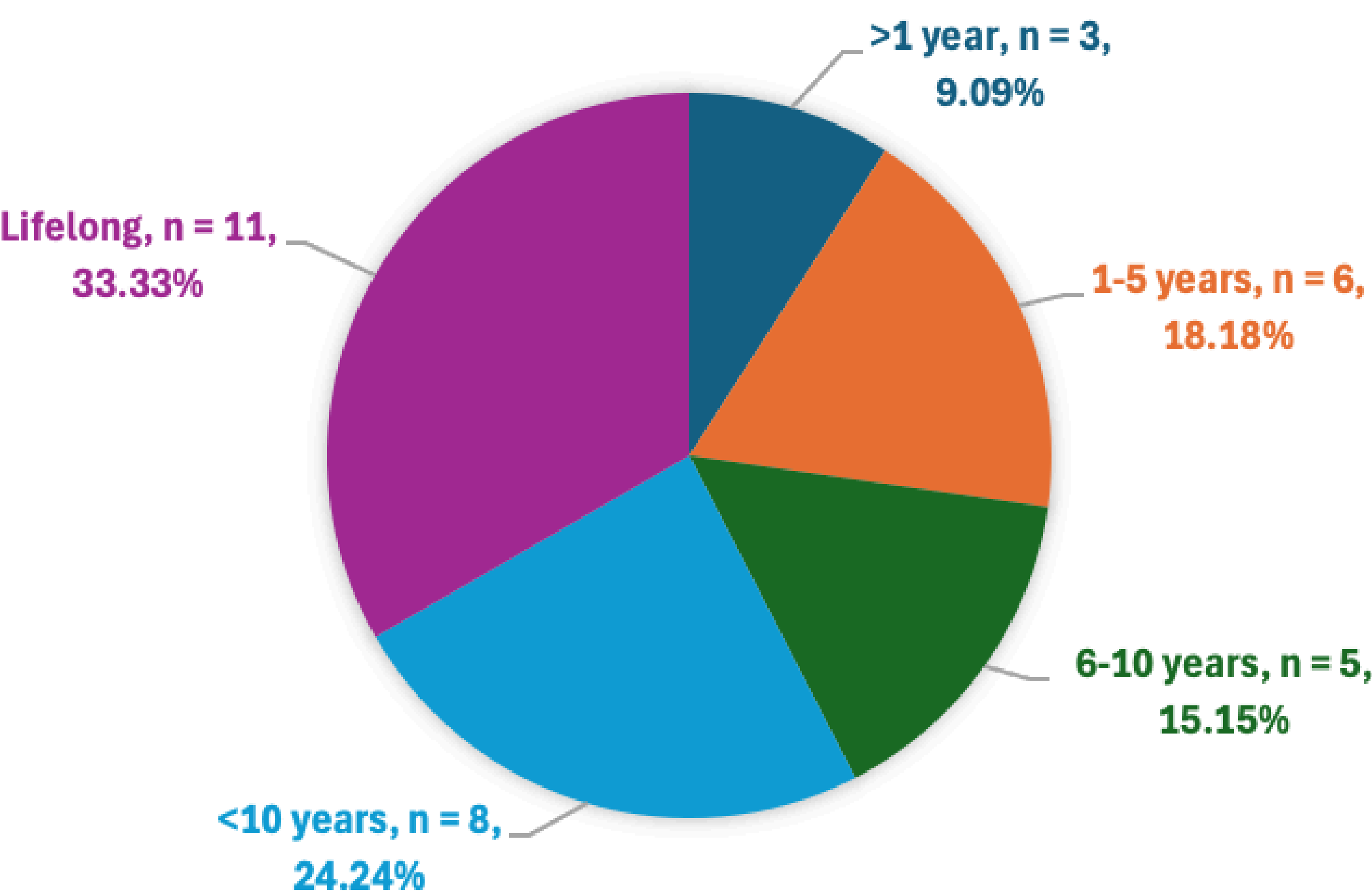
Limitations of Study

- Small, regionally limited sample.
- Short beta testing period.
- Potential bias from self-reported data.

Construct Definitions (*Means*)

- **Quality of Life (4.90):** Overall satisfaction and well-being.
- **Autonomy (5.00):** Ability to make independent choices.
- **Decision-Making (4.97):** Making informed choices.
- **Community Engagement (4.94):** Participation in local events.
- **Social Inclusion (5.45):** Feeling accepted in a wider community.

Length Of Disability



T-test analysis (Length of Disability)

No significant difference in app usage was found between short-term (≤ 10 years) and long-term (> 10 years) disability groups, showing consistent usability across user experiences.

Concepts	Short-term		Long-term		t	df	p
	M	SD	M	SD			
Quality of Life	4.87	1.39	4.92	1.37	0.91	31	.928
Autonomy	5.00	1.48	4.95	1.39	.104	31	.917
Decision Making	4.93	1.54	5.00	1.54	.132	31	.896
Community Engagement	4.79	1.42	5.06	1.07	.615	30	.543
Social Inclusion	5.36	1.37	5.51	1.15	.352	30	.727
Feature Effectiveness	6.36	0.84	5.89	1.01	1.39	31	.173

Age Group

