

Acceptability and Efficacy of a Brief Computerized Intervention _____Targeting Loneliness in Older Adults____

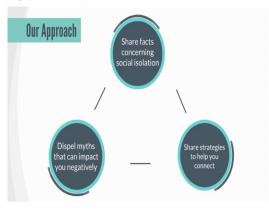
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Discussion

- CSI appears to be acceptable due to high favorability ratings amongst participants.
- Although we observed nonsignificant decreases in loneliness and disconnectedness between conditions over time, it may be the case that both CSI and HEC are useful in reducing these symptoms.
- Although CSI did not decrease symptoms relative to HEC over a one-month period, it is possible that the CSI intervention may decrease disconnectedness and loneliness more over a long-term follow-up period, consistent with past work.
- Future studies may investigate HEC as a tool to reduce loneliness given its apparent usefulness in reducing related symptoms.

Figure 1. Example slide from CSI



References

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Background

- Estimates suggest up to 34% of the U.S. older adult population are affected by loneliness¹.
- A significant number of negative health outcomes have been associated with loneliness in older adults, including Alzheimer's disease², suicide related outcomes³, poorer immune system functioning⁴, and an increased risk of allcause mortality⁵.
- "Combatting Social Isolation" (CSI) was developed as a brief, web-based intervention to reduce loneliness in older adults by targeting two essential risk factors: Thwarted Belongingness (TB) and Perceived Burdensomeness (PB).
- This study tested for CSI's efficacy in reducing loneliness, as well as its acceptability among older adults.

Methods

- Participants (N=65, M(age)=72.2, SD(age)=5.8) were randomly assigned to one of two condition groups, where the active condition group received CSI, and the control group received a Health Educational Control (HEC) presentation.
- Participants in both conditions received weekly text message reminders for four weeks following the intervention administration.
- Participants completed pre-, post-, and 1 month- measures to test for reductions in loneliness and social disconnection across conditions.

Measures:

- Loneliness Measure: UCLA Loneliness Scale
 Revised (UCLAR)⁵
- PB and TB Measure: Interpersonal Needs Questionnaire – Revised (INQR)⁶
- Acceptability Questionnaires (CEQ/CSQ)^{7,8}

			HET		
Ν	м	SD	Ν	м	SD
33	44.27	15.58	32	39.97	12.19
32	39.56	15.49	32	38.23	12.03
29	33.45	11.73	28	32.68	10.03
33	33.21	11.26	32	31.84	11.02
32	29.44	10.69	32	30.28	10.93
29	25.41	9.41	28	25.32	9.22
33	11.06	7.37	32	8.13	3.37
32	10.13	7.25	32	7.94	3.42
29	8.03	4.64	28	7.36	2.21
31	57.48	9.61	30	56.63	10.13
31	55.65	9.40	32	54.81	10.59
29	51.69	9.58	25	50.00	9.98
	33 32 29 33 32 29 33 32 29 31 31	33 44.27 32 39.56 29 33.45 33 33.21 32 29.44 29 25.41 33 11.06 32 8.03 31 57.48 31 55.65	33 44.27 15.58 32 39.56 15.49 29 33.45 11.73 33 33.21 11.26 32 29.44 10.69 29 25.41 9.41 33 11.06 7.37 32 8.03 4.64 31 57.48 9.61 31 55.65 9.40	N M SD N 33 44.27 15.58 32 39.56 15.49 32 32 39.56 11.73 28 33 33.21 11.26 32 32 29.44 10.69 32 29 25.41 9.41 28 33 11.06 7.37 32 29 8.03 4.64 28 31 57.48 9.40 30 31 55.65 9.40 32	N M SD N M 33 44.27 15.58 32 39.97 32 39.56 15.49 32 38.23 29 33.45 11.73 28 32.68 32 29.44 10.69 32 30.28 29 25.41 9.41 32 30.28 33 11.06 7.37 32 8.13 32 8.03 4.64 28 7.94 29 8.03 4.64 32 30.28 31 57.48 9.61 30 32 56.63

Results

- Most participants found CSI to be acceptable, as 91% rated the treatment as "somewhat useful" or better in symptom reduction.
 91% of participants reported that it helped them deal more effectively with their problems, and 88% rated the quality of CSI to be either good or excellent.
- A 2x3 ANOVA revealed a significant main effect of time on UCLAR loneliness, F(1.460, 71.525) = 22.678, p<.001, though no significant interaction was observed between time and condition, F(1.462, 71.525) = .102, p=.841 on loneliness, suggesting no significant treatment effect.
- Similarly, a significant main effect of time was observed on INQ disconnectedness, F(1.363, 74.977) = 20.573, p<.001, but no significant interaction was observed between time and condition, F(1.363, 74.977) = 1.563, p=.219.

 Table 1. Mean PB, TB, INQR total, and UCLAR Loneliness scores across treatment conditions and timepoints.