Initial findings from a randomized dismantling trial of the LifeToolbox website: A transdiagnostic online acceptance and commitment therapy intervention for distressed college students

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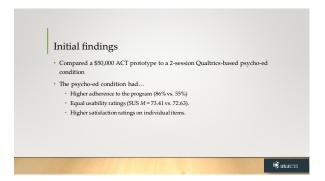
Disclosures • Funding support: • Alan E. Hall Innovation for Undergraduate Student Success Award.

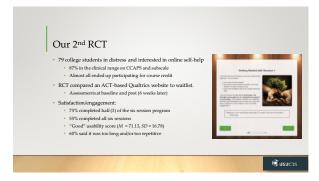
Challenges on Campuses Mental health problems are prevalent and costly among college students 50% of students per year (Blanco et al., 2008) Many campuses are struggling to keep up with rapid increases in demand for services And many students still don't seek treatment A transdiagnostic online approach is promising Increase research and access with a single referral source while reducing burden on existing systems.

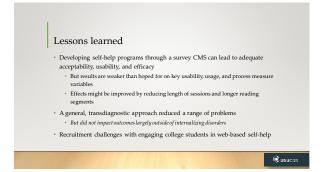
Background: Initial research on online ACT for college students Developed a prototype ACT program for preventing mental health problems But mixed findings relative to waitlist (Levin et al., 2014). But mixed findings relative to psycho-ed control (Levin et al., 2016) Developed 2nd prototype ACT program for college counseling centers An open trial indicated positive preliminary effects (Levin et al., 2015). Currently developing a final version for a RCT









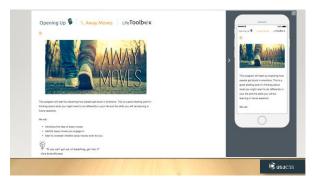


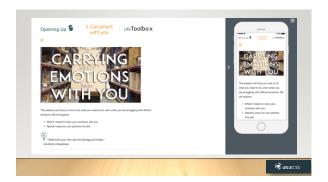




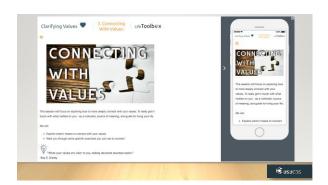


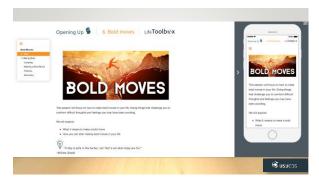






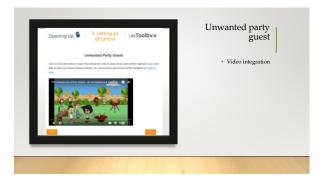












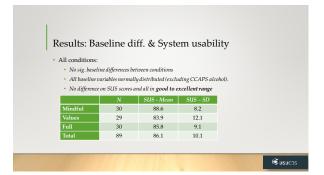


Participants & Procedures

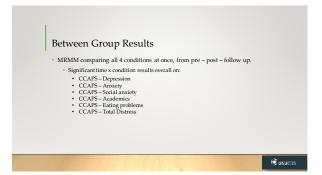
- Sample of 354 college students enrolled
- 82% female, M age = 21.76, 46% in first or second year of school.
- Currently in distress based on CCAPS, but not actively suicidal.

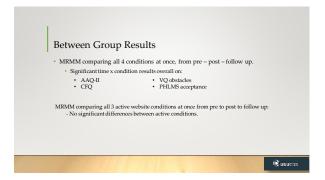
- Procedure

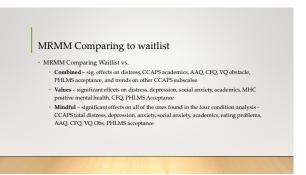
- Online consent and baseline survey
- Randomized to waitlist, ACT-Combined, ACT-Mindful, ACT Values, Waitlist
- Post assessment 6 weeks later and then follow up assessment at week 10.



Results: Engagement • Mindfulness • Average number of sessions completed 9.18 (SD = 3.86) • % didn't complete any sessions, 85% completed half or more of the program, 53% completed the full program • Values • Average number of sessions completed 7.11 (SD = 4.19) • % didn't complete any sessions, 60% completed half or more, 34% completed the full program • Full • Average number of sessions completed 8.06 (4.16) • 3% didn't complete any sessions, 60% completed half or more of the program, 40% completed the full program • No sig, differences in usage between conditions overall, although Values engagement was significantly less than mindfulness in post hoc comparisons.







Results: Overview No differences between 3 active conditions on outcome or process measures. Omnibus ANOVA displayed significant improvement across all 3 active conditions on outcome (CCAPS) and process measures (AAQ-II, CFQ, etc...) All active conditions displayed significant improvement over waitlist, but no sig. difference between 3 active conditions). The additive condition ("combined") displayed equivalent results to the other 2 active conditions ("Mindful" and "Values").

Participant Review

"I think most teenagers and college students are too afraid to ask for help for fear of judgment and will not go to see someone...

This website allows them to get help without the fear of judgment."

Discussion points Continuing to recruit participants. Technology offers interesting advantages when looking at component testing Greater statistical power Methodological control Dismantling trials are needed in ACT Past research has focused on components in isolation, not always in combination. Clinical implications...

Discussion points – Why no effects between conditions? • At an omnibus level, not everyone would benefit from receiving all of the components. • We are also investigating who would benefit from certain components more with alternative research methods • ACT Daily mobile app study: EMI intervention indicated: • Talloting matters • There are times when one component is more effective. • Providing all of the components at once (or at random) displayed insignificant outcomes.

