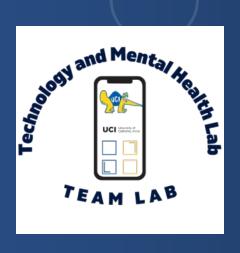
State of the Science Digital Tools for Youth Mental Health

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Overview of Digital Mental Health for Youth

Digital mental health can work for youth

Clinical trials evidence, youth interest

Digital mental health currently isn't working for youth

Engagement, quality, and fit

We need to think about continuums of care

Self-help, therapy extender, virtual care platforms

And we have work to do

Quality, reimbursement, and regulation



Internet- and mobile-based DMH interventions have clear and consistent RCT evidence!

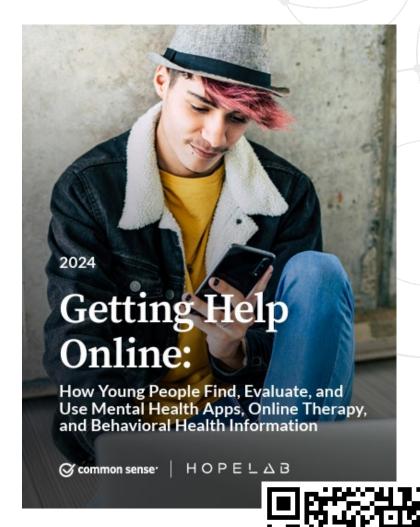
Condition	# of RCTs	Effects	Meta-Analysis
Depression	83	<i>g</i> = 0.52	Moshe, Psych Bull 2021: 147; 749-786
Anxiety	47	<i>g</i> = 0.80	Pauley, Psych Med 2023: 53; 567-579
Posttraumatic Stress Disorder (PTSD)	33	<i>g</i> = 0.36	Steubl, Eur J Psychotraumato 2201: 12; 1879551
Sleep	54	d = 0.39 (ISI)	Hasan, Sleep Med Rev 2022: 61; 101567
Schizophrenia (as an adjunct to care)	58	gs = 0.13-0.32	Morales-Pillado, Psych Med 2022: 53; 6304-6315

The youth DMH evidence is much more sparse

Condition	# of RCTs	Effects	Meta-Analysis
Depression in youth	4	<i>g</i> = 0.15	Moshe, Psych Bull 2021: 147; 749-786
Mental health	10	g = 0.29 depression g = 0.59 mental health (due to COVID) g = 0.29 (bullying)	Chen, Frontiers in Psychology 2024: 15; 1356554

But we have clear signals youth want these tools

- More than half of teens (54%) have used an app to support their mental health or well-being
- Most common areas are for sleep, meditation, happiness or well-being, or stress reduction
 - Higher among teens with depression and anxiety
 - Severe: 38% for depression, 36% for anxiety
 - Mild: 22% for depression, 24% for anxiety
 - None: 6% for depression, 9% for anxiety



In their own voices....

Safe Spaces

"It's something that's not judgmental, it's like you're talking to a person... you're kind of able to just vent... To talk about what's going on for you"

Simple

"I think my favorite thing about [the app] was that the exercises are very, very short and small. So, you know when you hop on your phone you want convenience and ease, [this app], I think, really understood that."

Trustworthiness?

"When people Google stuff, I think especially around mental health...
there's a lot of misinformation, or information that's based on one person's
experience, or on one person's opinion, that might not be supported by
actual medical research. I think a filter that goes through them and
highlights the ones that might be more reputable would be good, so young
people can look at resources that might be more reputable."

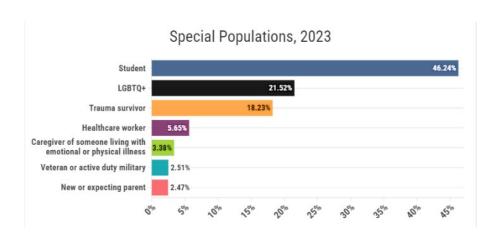
DIGITAL TOOLS AND SOLUTIONS FOR TEEN MENTAL HEALTH





Digital opportunities diversify access

	Age Range	Percentage	Number
	8-10	0.95%	N = 19,057
	11-17	37.6%	N = 801,908
	18-24	25.29%	N = 506,353
	25-54	32.59%	N = 652,350
	55+	3.86%	N = 70,103



 Information about mental health

48.55%

 Use at home worksheets or coping skills to

46.16%



Online or mobile
 program that can help
 you track or manage
 your symptoms





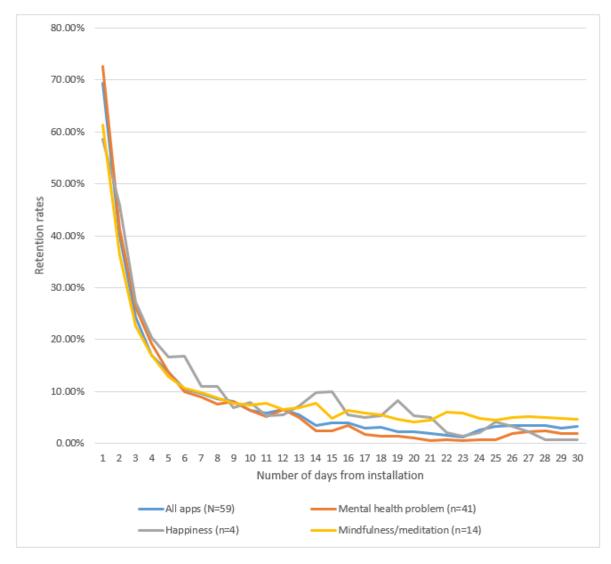
 Referrals to those that can help 18.80%



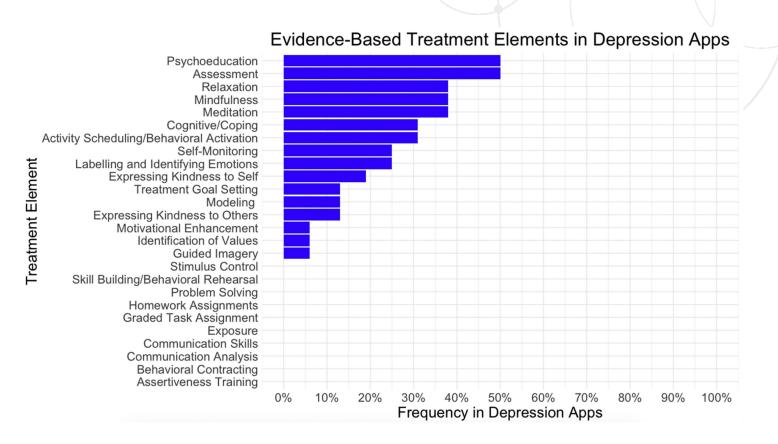
 Phone number for immediate support 13.74%



Digital mental health faces an engagement and a quality problem

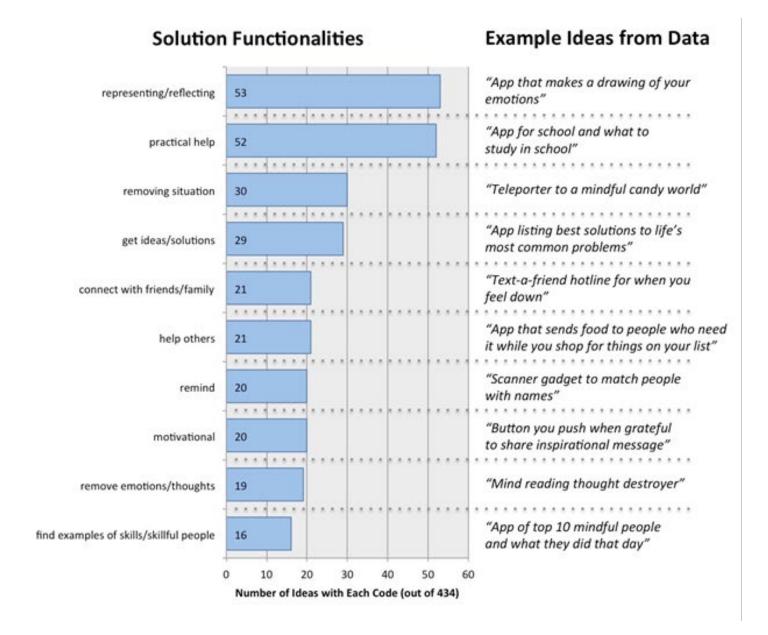


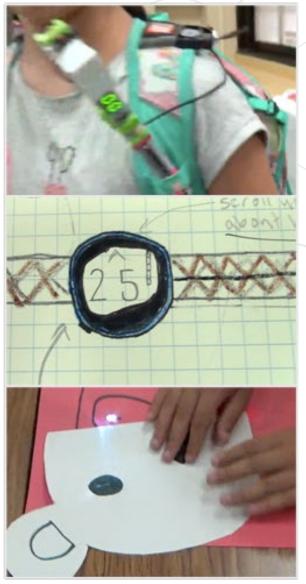
Baumel, Muench, Edan, & Kane, 2019



Wasil et al., 2019

We don't build DMHs that youth want





Yarosh & Schueller, 2017

And often we really don't build DMHs for youth



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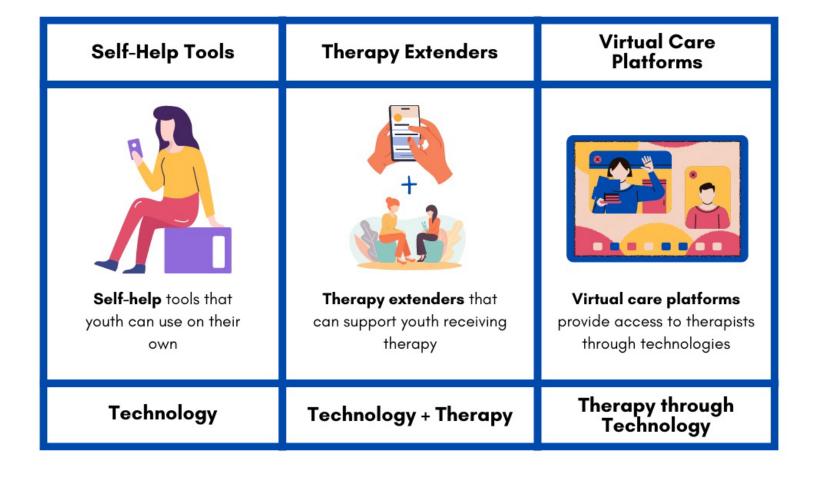
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Continuums of care in digital mental health



Schueller & Histon, 2023



Non-consumable

Non-consumable

Consumable

Self-help Tools

Welcome to Project YES!

Youth Empowerment & Support



Learn about your power to change in ways that matter.



Learn to be kind to yourself and why it matters.



Learn how to take action and manage your mood.



Build strength in the face of minority stress [LGBTQ+ focused]



Need HELP now? Click HERE for more!

Project YES (Youth Empowerment & Support) offers free, anonymous, brief, self-guided mental health tools for teens. YES empowers teens to learn new ways of dealing with stress while helping others do the same.

Project YES was designed with teens (ages 11-17) in mind, but people of all ages are welcome to try the tools in Project YES, anywhere and anytime.

Project YES is run by scientists at the Lab for Scalable Mental Health, with partners at University of Texas Health Science Center at San Antonio, the University of Miami, Lebanese American University, and Ankara University.



Therapy Extenders

To be used in conjunction with evidence-based psychotherapies









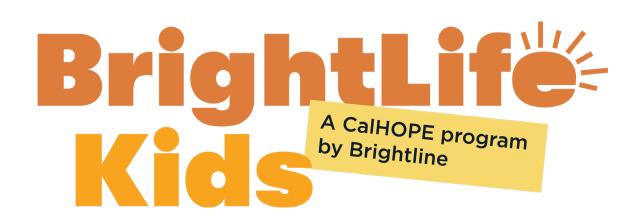








Virtual Care Platforms







We have work to do

- Digital mental health works
 - Although we need more evidence for work
- Youth want digital mental health options
 - Although we need to give them what they want
- Digital mental health is not one thing
 - But a continuum of things intersecting with human care
- We need to think about
 - Quality not just access
 - This costs money, and the ROI may take time
 - If we're going to pay for things, we need to know what's worth paying for

