





Self-Management App to Enhance Outcomes for Medicaid Consumers

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Outline

- 1. Background and relevance
- 2. Life Goals Collaborative Care
- 3. Life Goals app
- 4. FY22 Integrated Apps Project
- 5. Future Directions

Background and relevance



- Individuals with serious mental illness often require continuous long-term treatment/care to maintain recovery
- Mobile apps for serious mental illness have not been widely disseminated to lower-income, Medicaid-eligible populations
- Increase access to mobile health technologies for individuals with little to no access to mental health care (e.g. homebound; live in regions with little to no resources)

Our goals

- Increase access to mobile health technologies for individuals with little to no access to mental health care (e.g. homebound; live in regions with little to no resources)
- Empower consumers by promoting self-management and person-centered care, promote recovery

• To do this:

Development of smartphone app using evidenced-based program that can:

- help educate about bipolar disorder
- actively self-manage symptoms/health
- Provide apps to consumers at now cost

The Life Goals App

Life Goals Collaborative Care



Practice Guidelines: Best practice tx, metabolic syndrome for mental health conditions,

Access/Continuity

Life Goals Sessions: **CVD Risk, Symptoms Healthy Behaviors Provider Engagement**

Care management:

Registry tracking (Symptoms, QOL, functioning) **General Medical Provider Liaison**

Addresses both mental health and medical risk factors

Life Goals

Stand-alone self-management therapy portion of the program

Topic-based mental health and wellness material

Eclectic approach, including:

- Psychoeducation
- Motivational Interviewing
- Behavioral Therapy
- Cognitive Therapy

Life Goals – Smartphone App

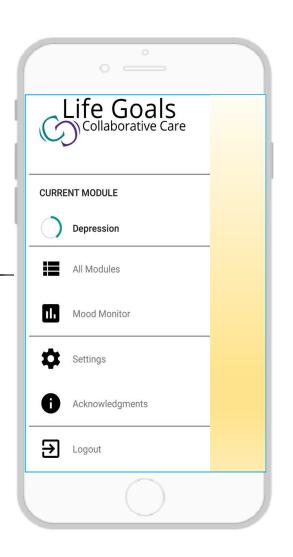
Need for mobile health (m-Health) technologies led to the development of the Life Goals app

- App is available on iOS and Android
 - Currently open for consumers engaged in research with plans to make app publicly available in near future

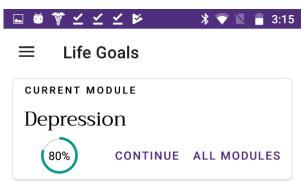
Life Goals – Smartphone App

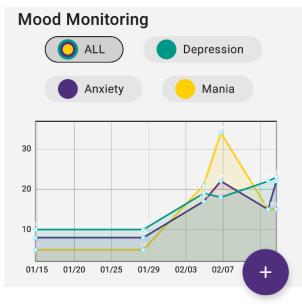
Mental Health & Wellness Modules

Introduction **Managing Your Care** Depression **Anxiety** Mania **Trauma** Suicide **Managing Tobacco Psychosis Substances** Anger / irritability **Foods and Moods** Move Your Body, Move **Sleep and Mood Your Mood**



Life Goals App – Landing page (Dashboard)



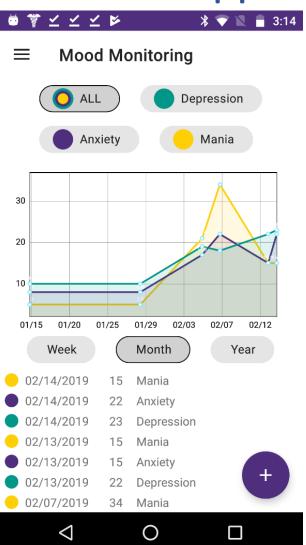


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Landing page displays current module and recent mood monitoring scores

Life Goals App – Mood Monitoring

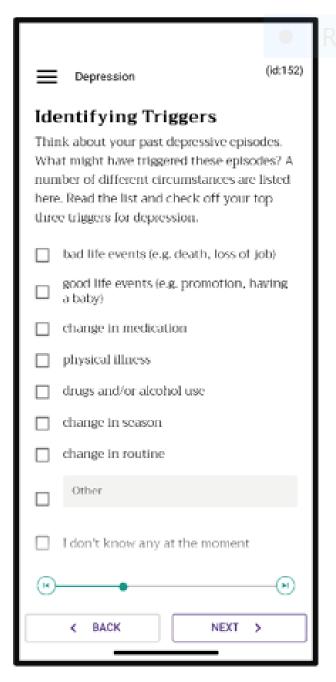


Mood monitoring for depression, anxiety, and mania

History of scores displayed in graphs



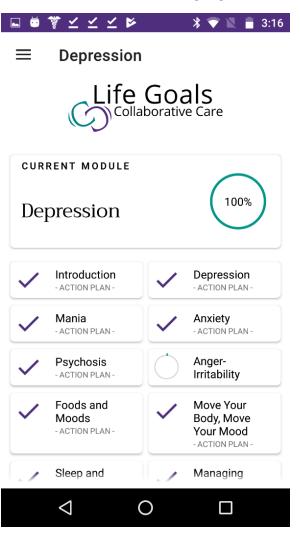




Life Goals App – Depression module

1

Life Goals App – Module Progress Screen



List of all modules with progress circle

When module is completed, circle turns to check mark

Ability to PDF action plans from completed modules

Life Goals App –

Feasibility, usability, acceptability study

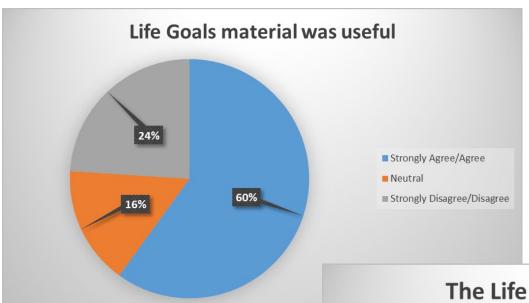
91 individuals with bipolar disorder used the app up to 6 months

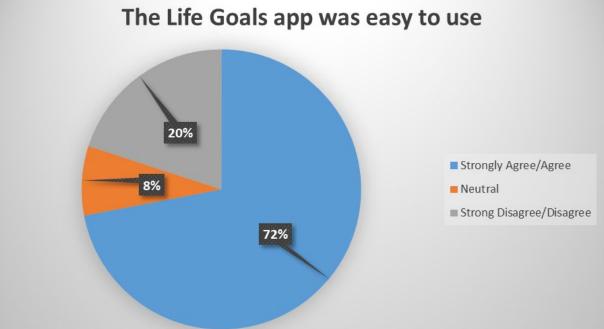
Feedback based on ease of use and platform informed development of app and different iterations

Qualitative Feedback

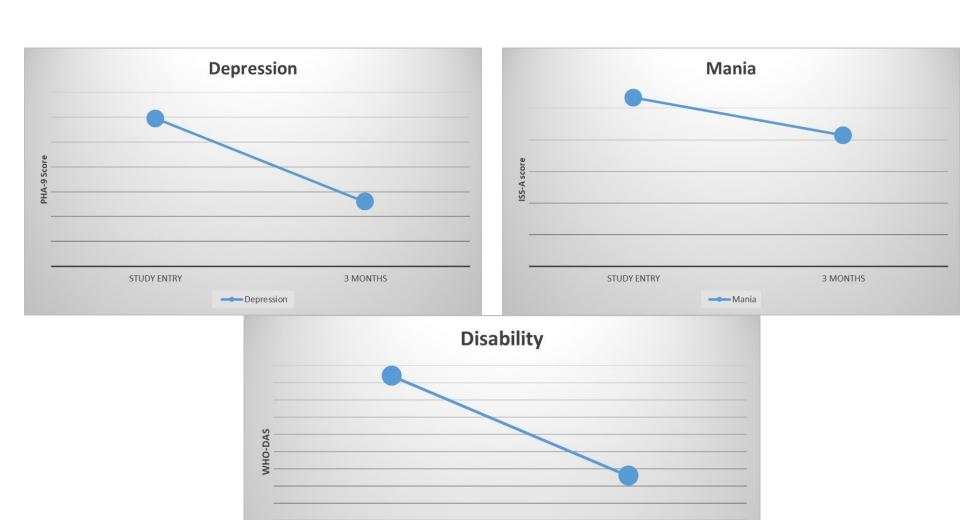
- Participants liked the accessibility and privacy the LG app provided: "I liked that
 [the app] was accessible. No matter where I was, in public places or whatever,
 it was on my smartphone, so I could go to it at any point. People didn't need to
 know what I was doing."
- The app encouraged participants to check in with and prioritize their mental health: "[The app provided] the chance to check in, and think about life as it's being lived, rather than after you come to a wall and you're in trouble."
- Several participants noted the app may have been more helpful earlier in their BD diagnosis: "I didn't feel like it was necessarily for me, as someone who's made a lot of progress with the disease. I felt more excited for other people to be able to use it, who aren't familiar [with BD]."

Findings – Satisfaction with apps





Outcomes Data



Axis Title

Disability

3 MONTH

STUDY ENTRY

Current FY22 Activities

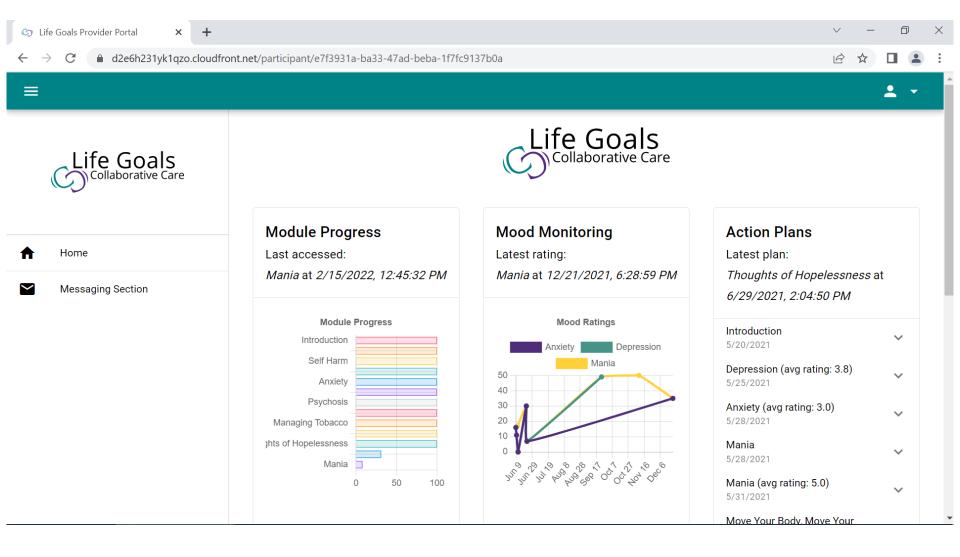
Goal: Decrease digital divide by disseminating innovative mobile technologies

 Design provider-facing dashboard to augment consumers use of the Life Goals App

Activities

- Focus group with consumers and patients
- Surveys to evaluate metrics of interest/importance
- Develop alpha version of provider dashboard
- Evaluate use of dashboard with providers

Life Goals – Provider Dashboard



Consumer Focus groups (N=18)

Finding 1:

Overall, consumers had positive experiences with Mood Monitoring and modules, finding them helpful and/or interesting, and believed the app had positive impacts on their mental health.

Finding 2:

Consumers felt components of the app were too rudimentary or generic to be beneficial or applicable to them and wanted to enhance customizability and interactivity of the app.

Finding 3:

Some consumers felt a provider dashboard could have positive impacts and were comfortable with providers viewing their data continuously, while others had hesitations with the provider dashboard due to perceived efficacy and/or privacy.

Provider focus groups/ dashboard evaluation

- 5 providers participated in focus group about the alpha version of the dashboard
 - Ambulatory psychiatry, inpatient psychiatry, community provider
- Take-Aways:
 - 1. Most useful feature is mood monitoring
 - 2. Could improve patient-provider communication
 - 3. How to interpret mood monitoring if patient doesn't complete it
 - 4. Action plans are more of a list; want to see progress with plan
- In progress: Providers have identified consumers to use Life Goals app and will use the dashboard
 - Focus group based on their experience with dashboard, satisfaction

Future Directions

- Movement toward open access and easy download of Life Goals app
- Deploy Life Goals app and provider dashboard to CMHs
- Last year of MDHHS funding
 - Grant funding to inform an in-depth, practicable understanding of how to integrate evidence-based digital mental health interventions for serious mental illness into CMHs



Discussion and Questions

Thank you!