AN AI-POWERED MENTAL HEALTH PLATFORM

Outline



Problem Statement

Solution

Value Proposition

Our Team

Problem Statement

Disambiguity of Mental Health Services

Deter Many from Seeking Help

Difficult Accessibility

Hinders contribution towards a sustainable environment

Patient data is hard to collate

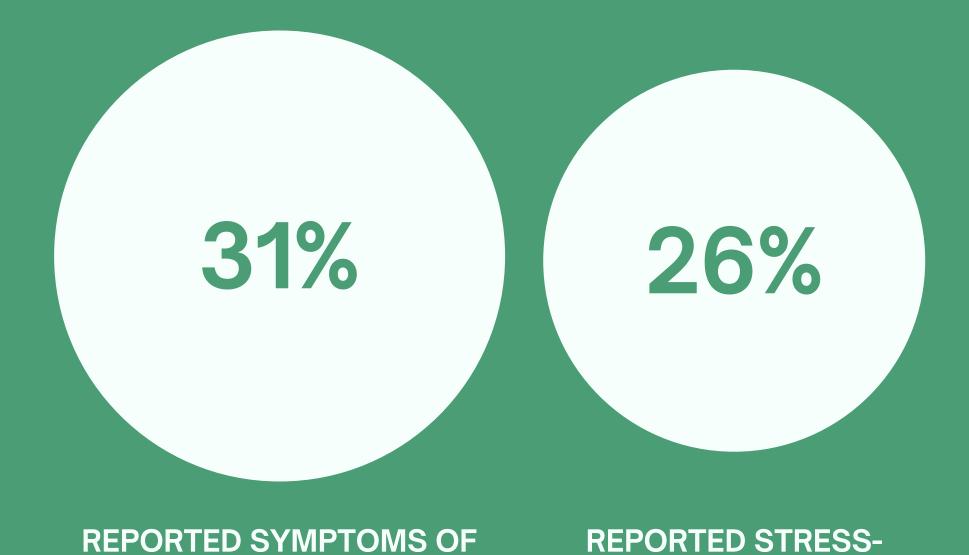
Different care providers with no visibility on historical data

Why now?

ANXIETY OR DEPRESSION

According to the Centers for Disease Control (CDC) Report in Late June 2020

RELATED SYMPTOMS





13%

REPORTED HAVING
SERIOUS THOUGHTS OF
SUICIDE IN THE PAST 30
DAYS

11%

Issues to Tackle



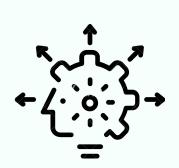
Diverse Mental Illness nature

Varying Group of Conditions with Different Severity, Complexity and Duration



Need for a Holistic Alliance

Lack of a Robust Alliance with Individuals to understand their Situation, Goals, Social network, Belief etc. by Healthcare Providers



Hindering Capabilities

Mental Illnesses affect the Individuals' Ability to hold Useful Activities and Engage



Hesitation in Seeking Help

Hesitation of Individuals to seek Help Prolongs Diagnosis and Poses an Issue for Prognosis

Solution Breakdown

Predictive Mental Monitoring

Forecasting Potential Mental-Health Related Problems at an Early Stage.



Tailored Self-Care Plans

Dynamic Mental Health Pathways
Tailored to Each Individual's Needs



Al-Driven Social Programs

Engage Citizens in Pursuing Related Sustainability Goals and Raising Mental Awareness



Science - Based Chatbot

Al Powered Chatbot to give Quick Support to Patients



Predictive Mental Monitoring

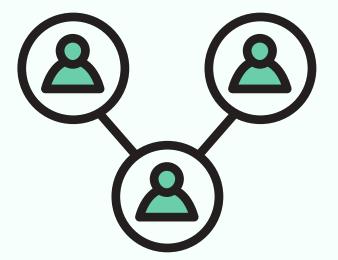
- Passive Data Collection from Smart Gadgets
- Periodic Surveys for Self Reporting
- Continuous, Objective and Real-time
 Analysis of Behavioral Health
- Alerts when Clinical Advice is Needed
- Facilitate Care Based on Individual's State

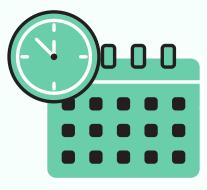


Tailored Self-Care Plans

- Tailored Telemedicine Consultation Packages
- Sharing Diagnosis/Prognosis Data with Caretakers (doctors) and Careseekers (individuals)
- Smart Scheduling and Rescheduling of Sessions based on Careseeker Status
- Connect with Nearby Specialized Caretakers Remotely



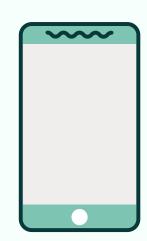




Al-Driven Social Programs

- Empowering Individuals of the Community with Relevant Experiences
- Leveraging AI for Risk Assessment and Opinion Analysis
- Share Input on Smart Forums and Maps
- Segmentation of Interactions with the Environment to find New Necessities
- Generate Map Hotspots where Individuals
 Seek better Accessibility and Care





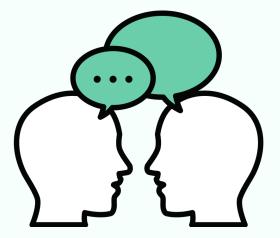




Science - Based Chatbot

- Expand Mental Health Support for Various Conditions Related to Wellness
- Assess Individual's Mood via Set of Questions
- Monitor and Improve Individual's Emotional Health via Personalized Conversation
- 24/7 Support to Individuals







Value Proposition - Qualitative



Ease of use

Society Individuals will not have a Hard Time Navigating the Intuitive Platform



Continuity

Improve Continuity and Coordination of Care between Healthcare Providers and Society Individuals



Users are Enabled to Access Screening, Diagnosis and Treatment that they would hesitate to ask for or share it with other



Mental Crisis Prevention

Reduce Physical Health Costs Associated with Untreated Comorbid Mental Illness



Utilizing User database

Helping Governments in Elevating the Quality of Health Services by Utilizing the Collected Data



Early Intervention

Helping Governing Authority to Identify at-risk Populations at Early Stage and Reduce Economical Burden

Value Proposition - Quantitative



ROI

Investing \$1 in Treatment for Depression and Anxiety will have a \$4 Return in better Health and Productivity



The 24-hr Availability of Mental Health
Care Services for Everyone can decrease
Suicide Cases by 40% among youth and
reduce the Economic Toll of Suicide



Better Insights

Helping Governing Authorities in reducing Planning Cost which is Projected to rise to \$6 Trillion by 2030 Globally

Technologies



Webex Instant Connect

Integration with healthcare providers, appointment scheduling, and connectivity.



Conversational Companion

Conversational AI framework and survey data collection.



Social Listening

Collect, curate, and feed data from a multitude of sources in real-time.



NLP Pipelines

Data ETL & NLP inference pipelines that work in real-time.

Our Team



Mohammad Atwany
M.Sc. Student
(Machine Learning)



Faris Almalik M.Sc. Student (Machine Learning)



Abdullah Abujami M.Sc. Student (Machine Learning)



Abdulwahab Sahyoun M.Sc. Student (Machine Learning)

Thank You