

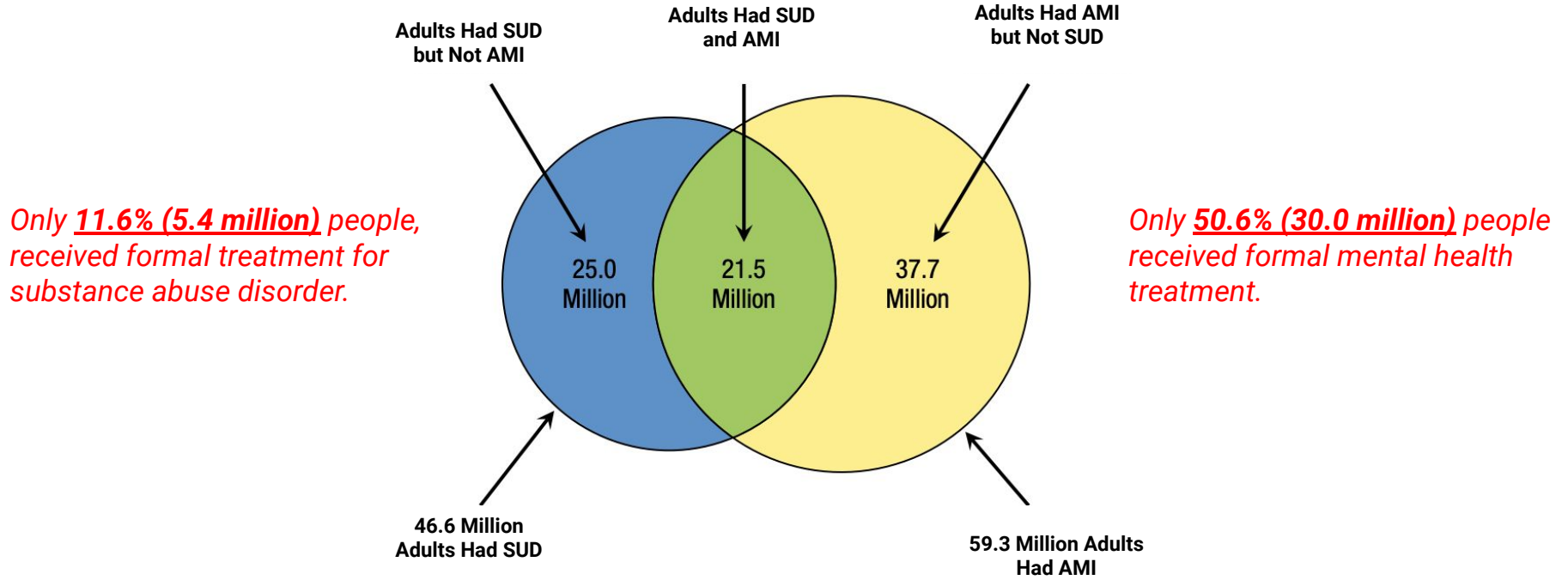
# Azure Therapeutics

Behavioral Health at **Scale**

Behavioral Health: The Last Frontier  
of Medicine **Without Objective**  
**Measurement**—Until Now



# Substance Use Disorder (SUD) and Any Mental Illness (AMI)



## Problem

Current **behavioral health systems** depend heavily on **subjective patient recall and provider evaluations**, leading to inaccuracies in diagnosis and treatment.

Current digital therapeutics treatments **lack objective metrics** to **identify and intervene** with patients in real-time when they need it most.



Suboptimal Intervention  
Outcomes



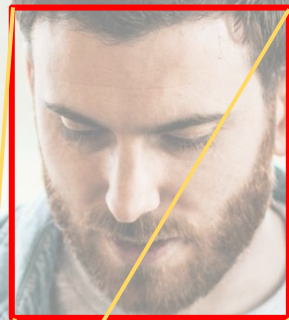
Inaccurate Diagnosis



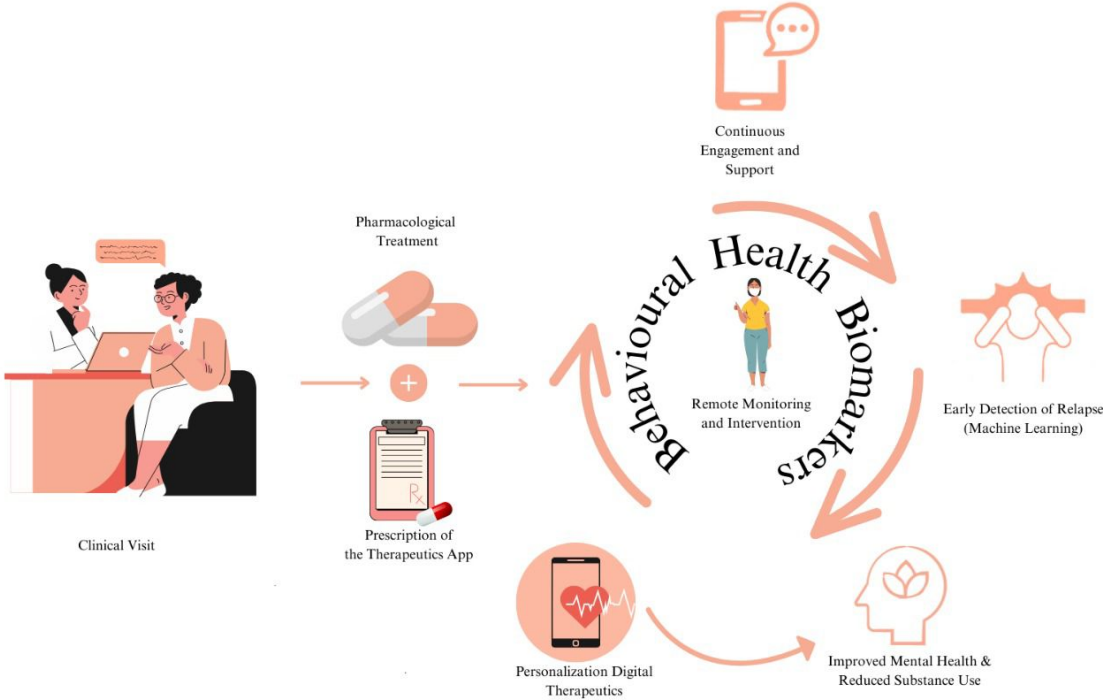
Lack of Personalization

Solution

# Facial Behavior and Pupillary Dilation as a Objective Biomarkers for Behavioral Health



# Digital Therapeutics powered by Objective Behavioral Health Biomarkers



# The Team

*22+ years Research Experience in Mental Health Sensing, Substance Abuse and Human-Computer Interaction*



**Rahul Islam**

Co-Founder / CEO



**Grace Bae, PhD**

Co-Founder / Chief Scientist



**Carnegie  
Mellon  
University**

## Our research shows feasibility

Sensing



Objective Biomarkers  
for Behavioral Health

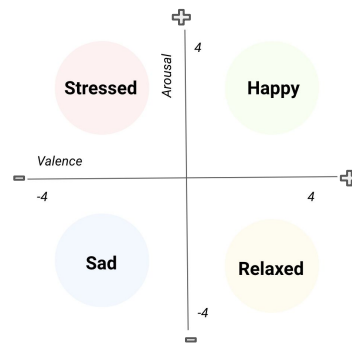
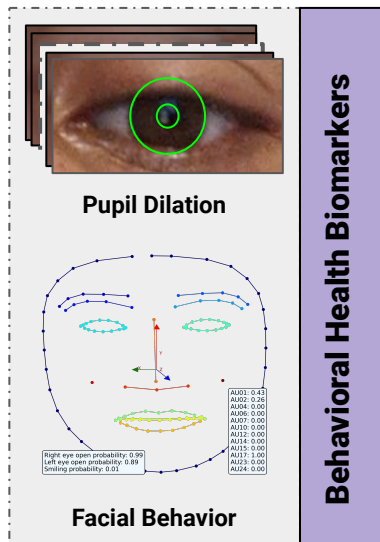


Behavioral Health  
Detection



Our App running in the background

Upon app use or unlock, 10 second photo burst data collection, features extracted



At moment Mood  
Detection

PHQ-9 based Depression  
Detection

### Our Papers

**MoodPupilar**  
(IEEE-EMBS BSN 2024)

**MoodCam**  
(IEEE UIC 2024)

**FacePsy**  
(ACM MobileHCI 2024)

**PupilSense**  
(Activity and Behavior Computing 2024)



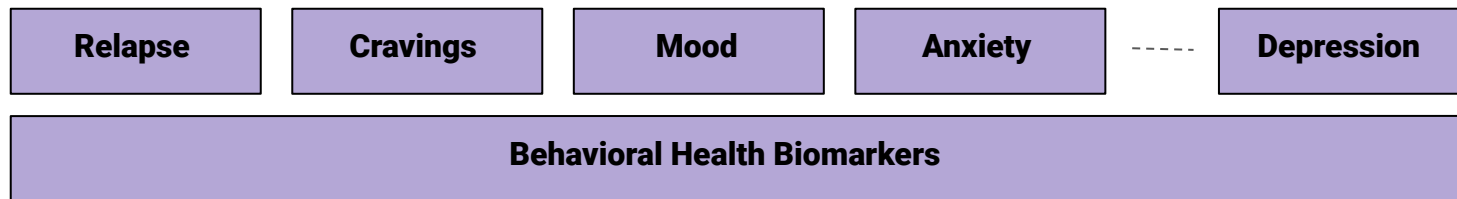
# Future of Dtx

## Suite of Digital Therapeutics (DTx) Products



## Platform

*Behavioral  
State  
Inference*

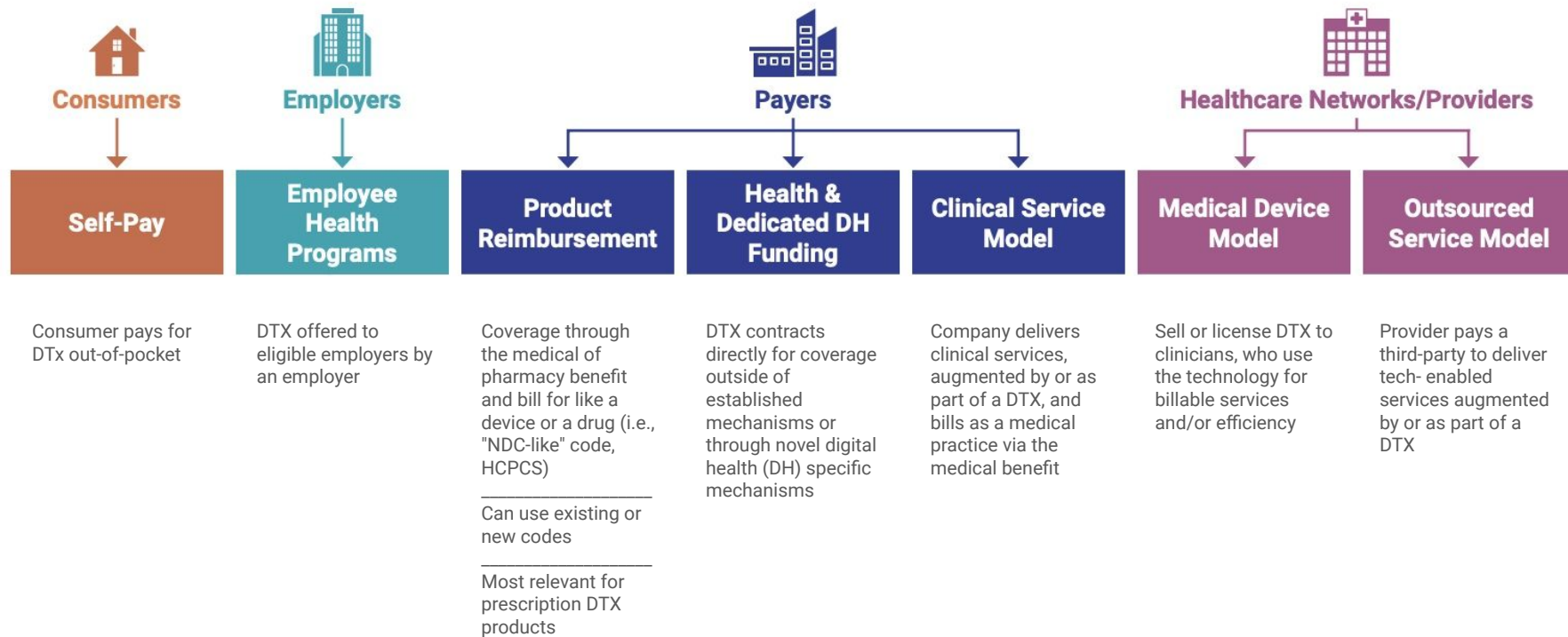


# Milestones

*Marching the way for regulatory approval*



# Market access pathways



## **Why now?**

**AI and smartphone  
advances make real-time,  
objective behavioral health  
measurement  
possible—now is the time  
to act.**

