Economic Need

43 million psychiatric patients in the US alone

Expenses American mental healthcare system, annually exceeding $200 billion

More than heart conditions ($147 billion), trauma ($143 billion), and cancer ($122 billion).
Technological scientific Need

The first and only App that integrates the following

Clinical Psychiatry

Digital Mental Health

Neuroscience
Optimal clinical Follow-up

The clinician rates the clinical findings (Phenomenology) on a 9-scale format

The patient rates his symptoms (complaints) on the same 9-scale format
Optimal clinical Follow-up

The clinical psychiatry platform acts as a clever-active-telemedicine EMR:

Achieves personalized diagnosis,

improved adherence to follow-up and treatment,

easy ready reports (forensic and others),

emergency managements using alerts,

treatment response and visit management.

Organize outpatients scheduled visits
Optimal clinical Follow-up

Improved accessibility to better patient care
• Overcoming limited clinical resources
• Overcoming limited staff trained to deliver evidence-based treatment across the many therapeutic orientations

Location-free, portable, available at any time, and can be used across a broad range of settings and during patient transitions
• Overcoming logistical difficulties associated with scheduling and travel to receive services

Cost savings
• Queue management and prevention of hospitalizations
• Overcoming the high cost of training busy staff to deliver evidence-based treatment across the many therapeutic orientations
Digital wearable sensors, social activity and cyber activity can be used to extract mental-status evolution and Phenomenology assessment in psychiatric patients by using plugins to the clever-active-telemedicine EMR

**Cyber**
Cyber-Activity = searches web-navigation

**Social**
Social-Activity = social network connection activity

**Connect**
Connectedness = outcall in-calls SMSs

**Activity**
Activity (motor) = oscillometer and navigation

**Speech**
Speech = quantity, level, modulations, sequence, targeted content

**Affect**
Affect = visual face recognition
Digital Mental Health

The clinician rates the clinical findings (Phenomenology) on a 9-scale format. The patient rates his symptoms (complaints) on the same 9-scale format. Passive digitally-collected phenomenology data is mapped on the same 9-scale format. Multiple devices act as plugins each contributing additional assessments to be mapped onto the brain profiling algorithm.
Statistics & Big-Data

Brain Profiler collects data sets and accumulates large-data, thus building big-data analysis capabilities.

Brain profiler offers statistic powers to diagnosis, treatment and prognosis, for example patient data-sets compared to population-analysis can detect powerful information about treatment medication-response and prognosis.
The CAUSES of mental disorders are unknown! Without knowing the etiology (causes) of mental disorders their treatment remains ineffective. Brain Profiler will collect large-data of EEG brain imaging enabling machine-learning algorithms to DISCOVER the causes of psychiatric illness by finding the causal relationships between collected phenomenology and collected brain network activity.
Clinical Brain Profiling is a novel theoretical approach diagnosing mental disorders as Globalopathies i.e., disorders of global brain-networks organization.