



# Clarrio.ai Pitch Deck

Pioneers in data collection and predictive analytics for  
Chronic diseases *to improve health outcomes*

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# The Problem

The absence of real-time, continuous, passive, and labeled data in neurological & Cardiology care limits the ability to derive valuable insights, making it challenging to make informed decisions.

## Facts

**3.4 B+**

People with neurological disorders which represents almost 45% of the global population.

**70%**

Of Real world data are insufficient or non-existent.

## Impact

**Doctors** lack real-time insights and Hospitals optimize care pathways with data-driven insights.



**Pharmaceutical** companies gain real-world evidence to develop and validate treatments.



**Insurers** assess risks more accurately for personalized healthcare plans.



# The Solution

Building the first data aggregator and predictive analytics platform for chronic diseases using real-world, device-agnostic data to improve decision-making and patient outcomes.

## Facts

### 30% Reduction

in adverse events for hospitals with real-time patient monitoring systems.

### 40% Increase

in neuro-diagnosis accuracy compared to traditional assessments using predictive analytics.

### €2 Billion

spent by pharmaceutical companies on clinical trials, yet 85% of trials fail due to lack of real-world data.

## Impact

**Enhances** pharmaceutical R&D, providing structured real-world data to accelerate drug discovery.

**Optimizes** insurance risk assessment, allowing insurers to create more accurate and cost-effective coverage plans.

**Reduces** hospitalizations and emergency visits. While saving time for doctors and increase efficiency.



# The Product Overview

Knowrisk: Clarrio.ai SaaS Platform

1

## Enhanced Data Collection

High-quality labeled and Calibrated data

User Input

Doctor Input

Health Monitoring Apps

Connected wearables



Psychological



Physiological



Environmental

3

## Data Augmentation

Heuristic Algorithms providing



Additional Metrics

Trend Analysis

2

## Predictive Analytics

AI/ML Models analyze information through:



LSTM for predictive analytics

CNN for pattern recognition

LLM for data points extraction

4

## Health Insights

Our Power BI Dashboards provide



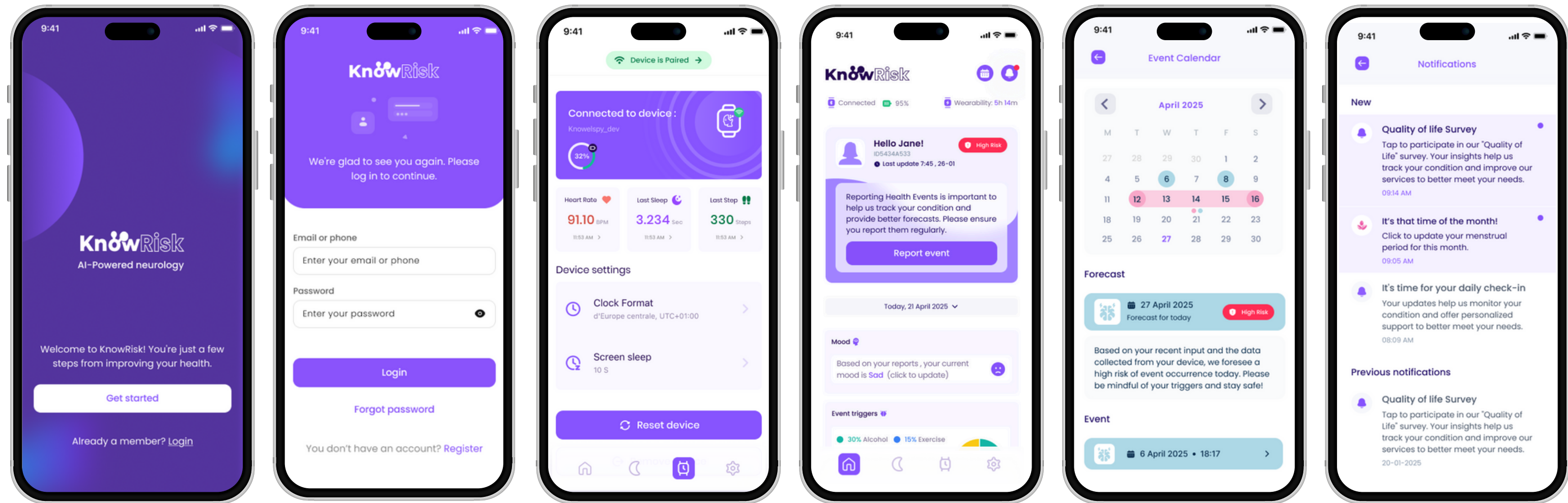
General insights per patient group

Patient specific insights

Actionable recommendations

# The KnowRisk Application For Patients

A user friendly application for a Better Chronic Disease Management



## Key Features

- Real-time and historical data access.
- Possibility to report events and important health events.
- Allows participation to doctor mandated surveys.

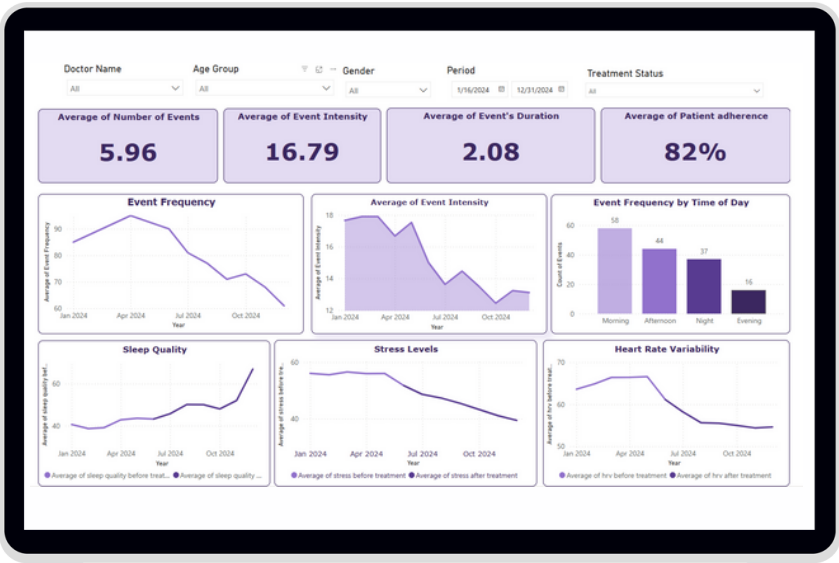
## Device Agnostic

- Fitbit
- Apple watch
- Clarrio.ai-supplied devices



# The KnowRisk B2B Platform For Doctors and Medical Entities

Evidence-Based Analytics Platform for Better Patient Outcomes



Medical Entity Dashboard

## Cohort-Level Analytics

Tracks patient events, treatment adherence, and key wellness indicators.

## Aggregated Metrics

- Therapy Response
- Average event frequency
- Event intensity
- Event duration

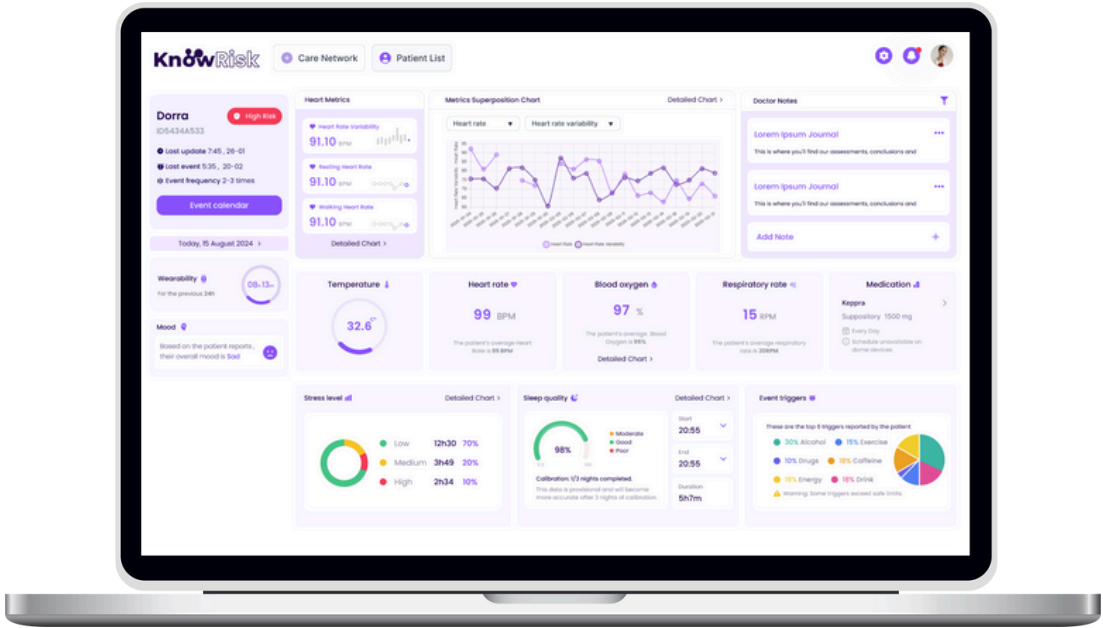
## Wellness Indicators

Holistic Health Insights:

- Sleep quality
- Stress levels
- Heart rate variability

## Comprehensive Insights

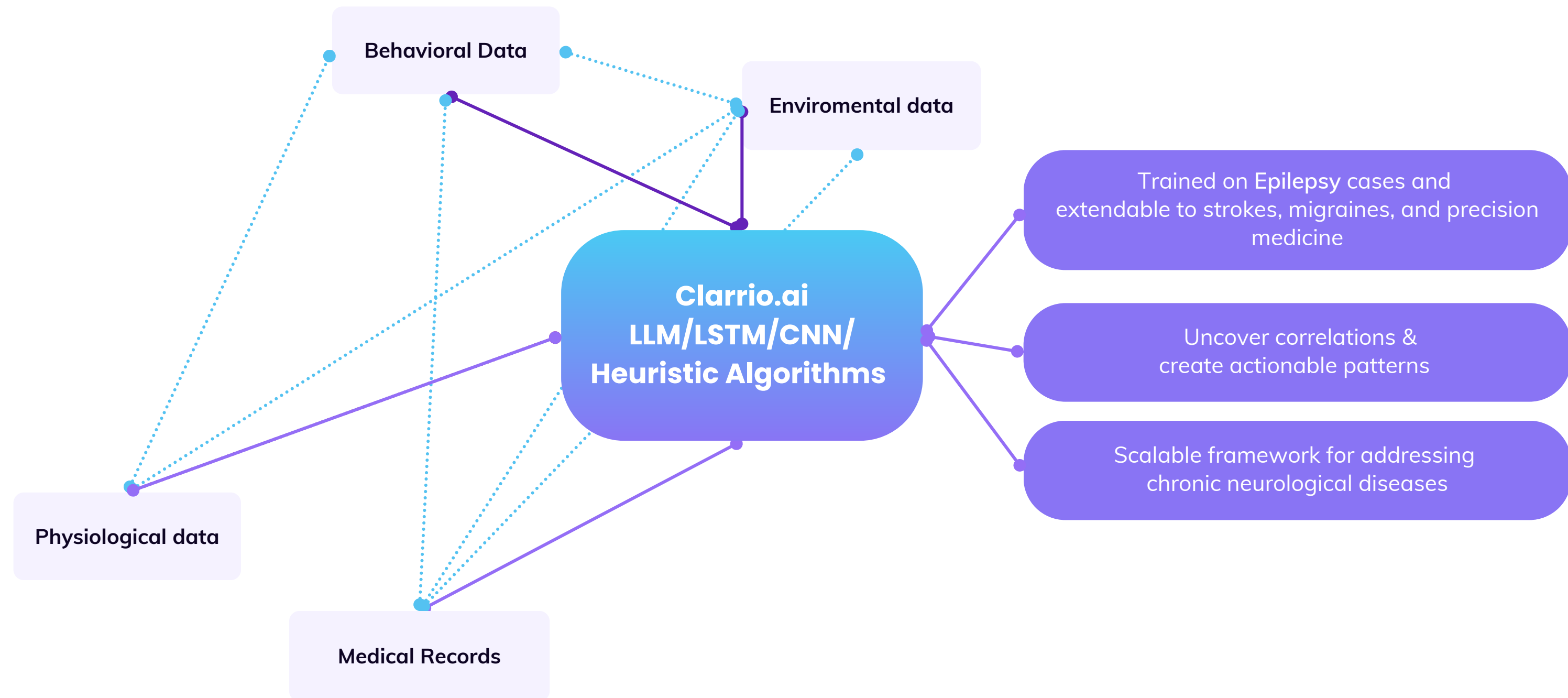
Charts provide a broader picture of overall well-being.



Doctor Dashboard

# Real life data collection and synchronization

Leveraging AI, real-time data collection, and predictive analytics



# Industry leading certifications for data regulations

More than 90 global compliance certifications and attestations through Microsoft Azure

1

## ISO/IEC Standards

Cloud,ISMS and PII Security and Protection



- ISO/IEC 27001
- ISO/IEC 27017
- ISO/IEC 27018

2

## SOC Reports

Independent attestations of security, integrity  
confidentiality, and privacy



- SOC 1
- SOC 2
- SOC 3

3

## Regulatory Compliance



- HIPAA/HITECH
- FedRAMP
- PCI DSS
- GDPR

4

## Additional Certifications

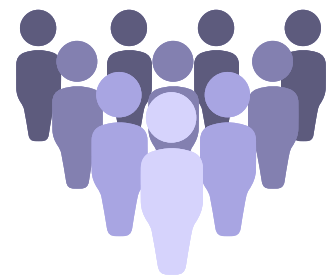


- CSA STAR
- FIPS 140-2
- Common Criteria (CC)
- HITRUST CSF
- Regional Certifications



# Market Sizing Overview

Predictive analytics for chronic diseases represent a largely untapped market



€ 580 Billion

Worldwide Population of Chronic disease

Global Predictive Analytics

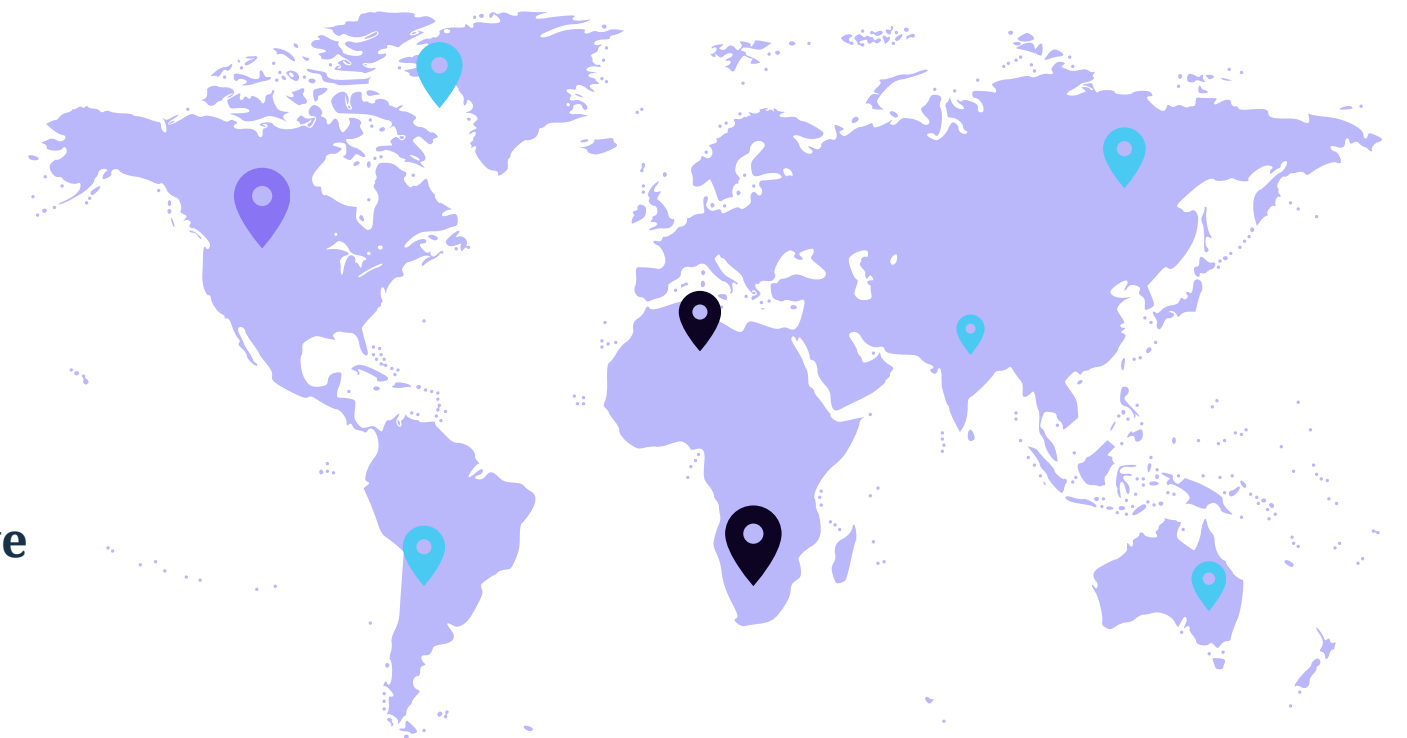
€ 30 B

€14B

US & GCC Predictive Analytics

€ 19 B

Neurology Predictive Analytics



# Our Business Model

Low churn and rising subscribers fuel a high-margin high-predictability revenue model

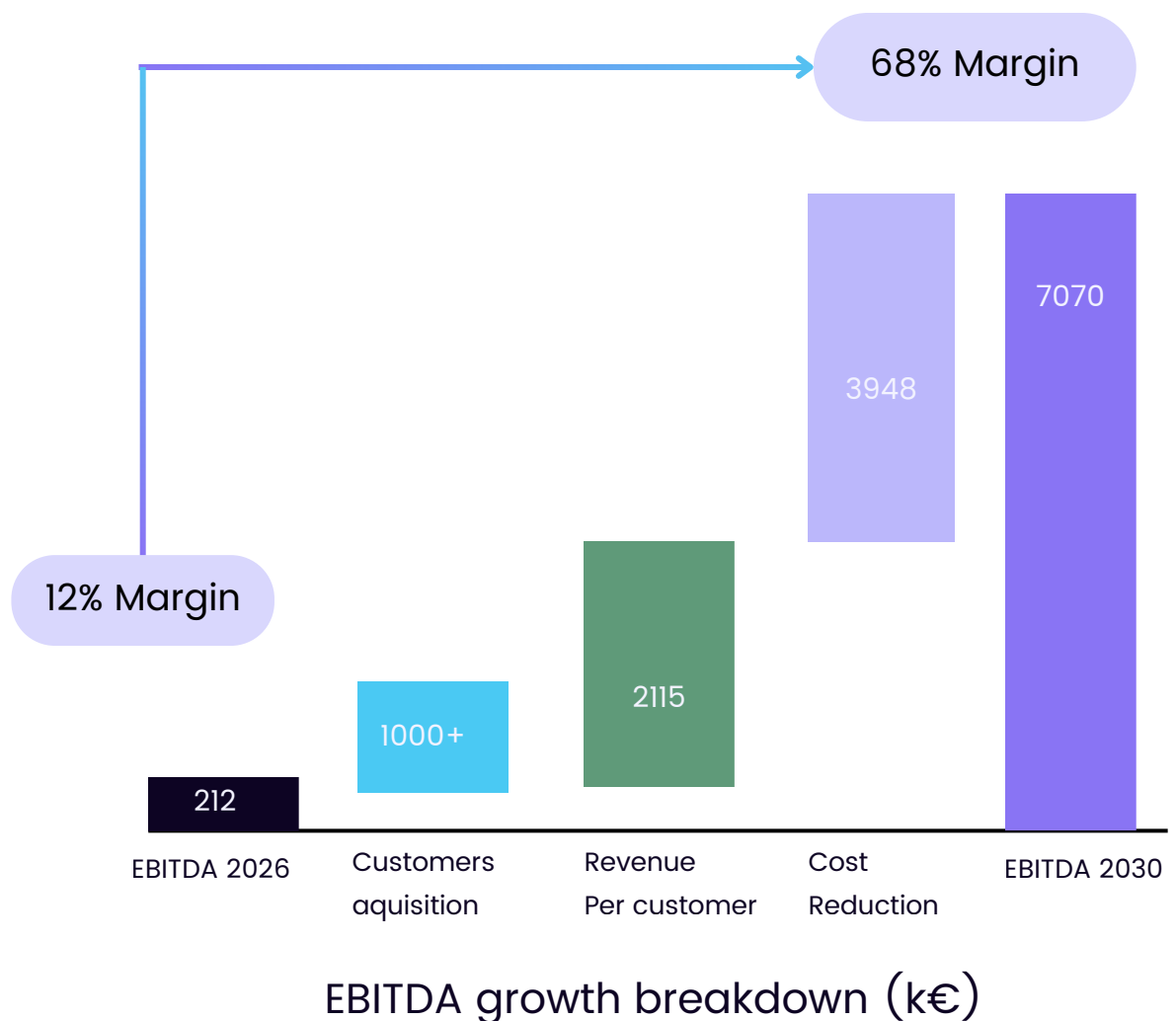
Pricing Model incentivizing large subscriptions as B2B make up the main revenue stream

**B2B SaaS Business Model**  
Intellectual Property-Based Business Model  
Licensing Degressive options  
From € 799 to €999/Patient/Year  
+ €15000 to €30.000 one-off integration fees

**€100M+ Sales**  
Projected in 2030

**~ 70% EBITDA**  
Margin in 2030

Reaching scale will reduce costs, improve QoS and enhance EBITDA margins

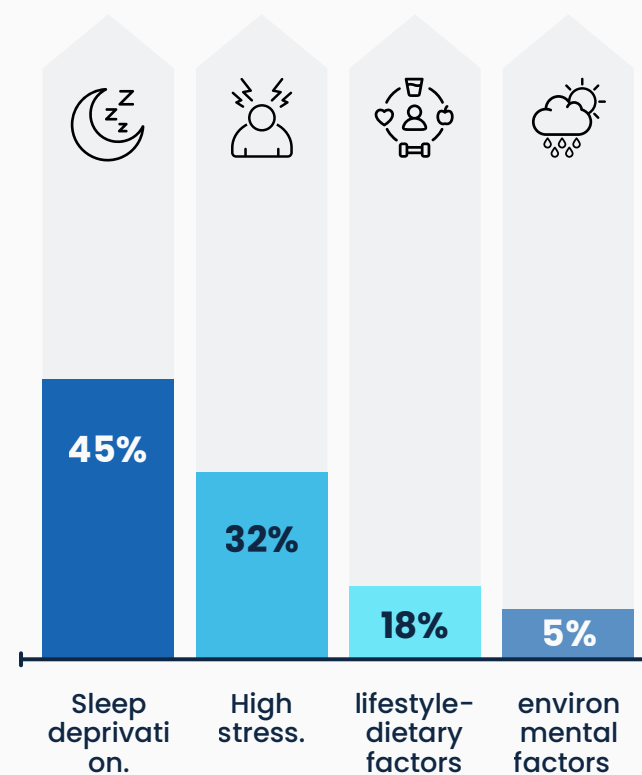


# Evidence-Based Impact on Epilepsy

Duration 12 Months , 10 Participants , During the Year 2024

## Seizure Trigger Detection Accuracy

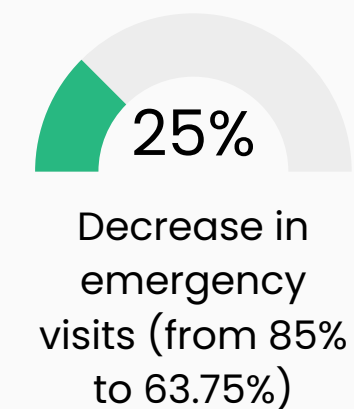
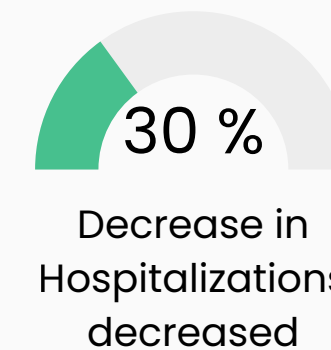
A **78.9% accuracy rate** in detecting seizure triggers with correlations to :



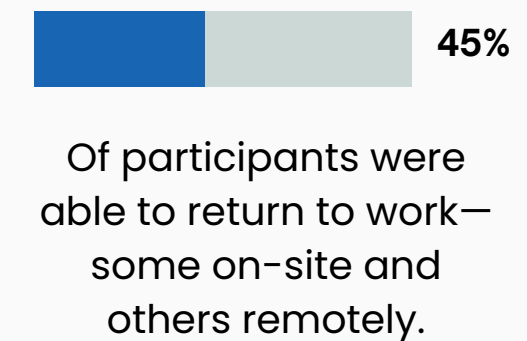
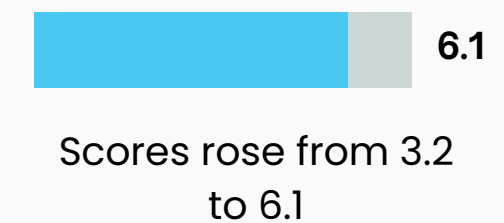
## Reduction in Seizure Frequency

- 34%** Drop in seizure frequency dropped
- 20%** of patients became seizure-free
- Milder Seizures due to earlier trigger detection.

## Lower Hospitalization & Emergency Visits



## Improved Quality of Life QOLIE-31



# Executive Team with Global experience

A Leadership Team with Proven **Global Expertise In AI and Healthcare**



**Firas Rhaiem**

Co-founder & CEO  
Consulting & M&A background



**Dr. Ali Frederic Ben Amor** 

Co-founder & Chief Strategy Officer  
Neurology Expert  
Lead Global Medical Affairs at Merck



**Dr. Karim Bendhaou** 

Co-founder & President  
Pharmaceutical Strategy Leader  
Extensive experience across  
Africa & MENA as Merck MD NW Africa.



**Dorra Mahboui** 

Board member  
Dream VC Fellow  
Expert in Strategy,  
Go-to-Market, B2B SaaS



**Alaa Redissi**   

Chief Healthcare Operations Officer  
Experienced consultant (GE Healthcare  
Partners, KPMG, EY)  
Healthcare accreditation (HAS, JCI) &  
Risk management processes



**Rafik Makni**  

Chief Technology Officer  
Experienced AI specialist (InstaDeep, Siemens, AFT)  
Expert in AI-driven solutions, IoT, and embedded  
systems



**Pr. Peter Rieckmann, FAAN, FEAN, FRCPC**

- Advisor & Key Opinion Leader (KOL)
- Healthcare Professional (HCP)
- Professor of Neurology
- Friedrich Alexander University Erlangen, Germany
- Adjunct Professor, University of British Columbia,



**Dr. Shaheed Gora**

- Key Opinion Leader (KOL), Investor
- McKinsey Fellow
- Chief Neurology & Patient  
Experience Officer at Clarrio.ai
- Neurologist, Netcare Hospitals



**Dr Faleh H M ALI**

- Healthcare Professional (HCP)
- Ex Assistant to the minister of  
health
- Co-founder of DTA





## Questions? Let's get talking.

We'd love to connect! For inquiries, partnerships, or more information, feel free to reach out. Our team is here to assist you.

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