

Psychiatric Digital Biomarkers Market Size to Surge to \$26.6 Billion by 2034, Fueled by 19.5% CAGR

The global psychiatric digital biomarkers market size was worth around USD 6.40 billion in 2024 and is predicted to grow to around USD 26.60 billion by 2034

PUNE, MAHARASHTRA, INDIA, August 13, 2025 /EINPresswire.com/ -- □ Global Psychiatric Digital Biomarkers Market: Size, Share, Trends, and Forecast Analysis (2024–2034)

1. Executive Summary

The [global psychiatric digital biomarkers market Size](#) was valued at \$6.40 billion in 2024 and is projected to reach approximately \$26.60 billion by 2034, expanding at a compound annual growth rate (CAGR) of 19.50 % between 2025 and 2034.

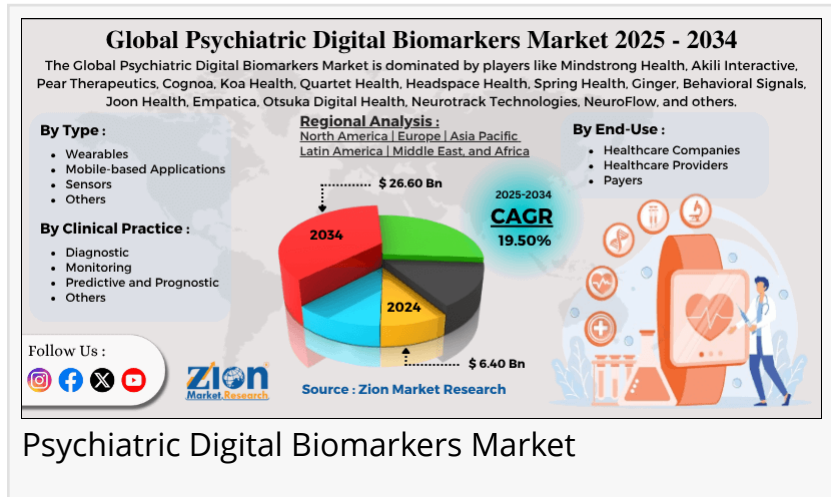
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global psychiatric digital biomarkers market size was worth around USD 6.40 billion in 2024 and is predicted to grow to around USD 26.60 billion by 2034,(CAGR) of roughly 19.50% between 2025 and 2034.”

Deepak Rupnar

The growth is driven by increasing prevalence of psychiatric disorders, advancements in AI-based digital health tools, rising adoption of telepsychiatry, and the demand for continuous patient monitoring.

2. Market Overview



2.1 Definition & Scope

A psychiatric digital biomarker refers to digitally measured data points that provide insights into a patient's mental health status. Examples include speech patterns, facial expression changes, motor activity, sleep cycles, and social interaction metrics. These biomarkers are increasingly used for conditions such as depression, anxiety disorders, schizophrenia, bipolar disorder, and PTSD.

2.2 Market Dynamics Snapshot

2024 Market Size: \$6.40 billion

2034 Forecast Size: \$26.60 billion

CAGR (2025–2034): 19.50 %

Key Insights:

As per the analysis shared by our research analyst, the global psychiatric digital biomarkers market is estimated to grow annually at a CAGR of around 19.50% over the forecast period (2025-2034)

In terms of revenue, the global psychiatric digital biomarkers market size was valued at around USD 6.40 billion in 2024 and is projected to reach USD 26.60 billion by 2034.

The psychiatric digital biomarkers market is projected to grow significantly due to the increasing prevalence of mental health disorders, advancements in mobile health and wearable technology, and the growing adoption of machine learning (ML) and artificial intelligence (AI).

Based on type, the mobile-based applications segment is expected to lead the market, while the wearables segment is expected to grow considerably.

Based on clinical practice, the monitoring segment is the largest, while the diagnostic segment is projected to witness substantial revenue growth over the forecast period.

Based on end-use, the healthcare providers segment is expected to lead the market, followed by the healthcare companies segment.

Based on region, North America is projected to dominate the global market during the estimated period, followed by Europe.

Global Psychiatric Digital Biomarkers Market, 2020-2034 (USD Billion)



Psychiatric Digital Biomarkers Market Size

The key players profiled in the global psychiatric digital biomarkers market include:

M mindstrong
HEALTH

Akili
Interactive

Pear
Therapeutics

Cognoa

KOA
Health

Quartet
Health

Headspace
Health

spring
health

ginger

Behavioral
Signals

Otsuka
Digital Health

Neurotrack
Technologies

Joon
Health

EMPATICA

NeuroFlow

Psychiatric Digital Biomarkers Market Competitive Analysis

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3. Key Market Drivers

Rising Global Burden of Mental Health Disorders

The World Health Organization (WHO) estimates that one in eight people worldwide lives with a mental disorder, creating a massive need for early detection and continuous monitoring.

Technological Advancements in Digital Health

AI and machine learning (ML) enhance predictive accuracy in psychiatric assessments.

Shift Toward Remote & Continuous Monitoring

Post-pandemic telemedicine adoption supports remote mental health tracking.

Growing Investments & Partnerships

Tech giants, startups, and healthcare providers are collaborating to integrate biomarkers into mental health treatment plans.

Regulatory Support for Digital Therapeutics (DTx)

Approvals by bodies like the U.S. FDA are increasing confidence in digital biomarkers.

4. Market Restraints

Privacy & Data Security Concerns

Mental health data is highly sensitive, requiring stringent cybersecurity.

Lack of Standardized Validation Methods

No universal framework for validating psychiatric biomarkers.

Digital Divide & Access Limitations

Limited access to smartphones/wearables in rural or low-income regions.

5. Opportunities

Integration with Wearables & IoT Devices

Expanding applications in home-based mental health care.

AI-Powered Predictive Psychiatry

Early intervention potential through continuous behavior tracking.

Expanding Applications in Corporate Wellness Programs

Employers increasingly adopting mental health tech to improve workplace productivity.

Emerging Markets

Countries in Asia-Pacific, Middle East, and Latin America have large untapped populations with rising smartphone penetration.

Inquiry For Buying- <https://www.zionmarketresearch.com/inquiry/psychiatric-digital-biomarkers-market>

6. Competitive Landscape

The key players profiled in the global psychiatric digital biomarkers market include:

Mindstrong Health

Akili Interactive

Pear Therapeutics
Cognoa
Koa Health
Quartet Health
Headspace Health
Spring Health
Ginger
Behavioral Signals
Joon Health
Empatica
Otsuka Digital Health
Neurotrack Technologies
NeuroFlow

Key Strategies:

Integration with digital therapeutics platforms.
Partnerships with psychiatric research institutions.
AI-driven personalization of treatment recommendations.

7. Regional Market Size & Forecast (2024–2034)

7.1 North America

2024 Value: \$2.90 billion
2034 Value: \$10.60 billion
CAGR (2025–2034): 13.8 %

Market Insights:

The U.S. leads due to strong digital health infrastructure, high awareness, and supportive reimbursement policies.
Canada's market is expanding rapidly, with government-backed mental health initiatives.

7.2 Europe

2024 Value: \$1.40 billion
2034 Value: \$5.70 billion
CAGR (2025–2034): 15.1 %

Market Insights:

Germany, the UK, and France dominate due to robust healthcare systems and mental health reforms.
The EU's Digital Health Strategy is accelerating adoption.

7.3 Asia-Pacific (APAC)

2024 Value: \$1.20 billion
2034 Value: \$6.80 billion

CAGR (2025–2034): 18.7 %

Market Insights:

China and India are emerging hotspots due to rising smartphone penetration and mental health awareness.

Japan and South Korea lead in integrating AI-driven biomarkers into psychiatric care.

7.4 Middle East & Africa (MEA)

2024 Value: \$0.50 billion

2034 Value: \$1.90 billion

CAGR (2025–2034): 14.4 %

Market Insights:

UAE and Saudi Arabia are investing heavily in digital healthcare platforms.

South Africa's adoption is driven by public-private partnerships in mental health services.

7.5 Latin America

2024 Value: \$0.40 billion

2034 Value: \$1.60 billion

CAGR (2025–2034): 15.0 %

Market Insights:

Brazil leads due to growing demand for telepsychiatry.

Mexico and Chile show increasing integration of digital biomarkers in clinical practice.

8. Market Trends

Voice & Speech Biomarkers for Depression Detection

AI algorithms analyzing tone, pitch, and pauses.

Facial Expression Analysis in Schizophrenia & Autism

Computer vision tools detecting microexpressions.

Sleep Pattern Monitoring via Wearables

Correlation between sleep quality and psychiatric disorders.

Gamified Cognitive Behavioral Therapy (CBT)

Interactive digital tools with embedded biomarker tracking.

Blockchain for Mental Health Data Security

Ensuring secure, tamper-proof patient data.

9. Conclusion

The psychiatric digital biomarkers market is entering a high-growth phase with transformative potential for early diagnosis, personalized therapy, and continuous monitoring.

North America will remain the largest market, fueled by advanced healthcare systems and strong funding.

Asia-Pacific will witness the fastest growth due to rapid digital adoption and government-led

mental health programs.

Integration of AI, wearable devices, and telepsychiatry will define the future competitive landscape.

Companies that focus on developing validated, secure, and user-friendly psychiatric biomarker platforms will be best positioned to dominate this expanding industry.

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Oncology Molecular Diagnostic Market By Technology Type (Polymerase Chain Reaction, Next-Generation Sequencing, In Situ Hybridization, and Immunohistochemistry), By Cancer Type (Breast Cancer, Lung Cancer, Colorectal Cancer, Prostate Cancer, and Blood Cancer), By Sample Type (Tissue Samples, Blood Samples, Urine Samples, and Other Biological Samples), By End-User (Hospitals, Diagnostic Laboratories, Research Institutes, and Cancer Centers), and By Region - Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-<https://www.zionmarketresearch.com/report/oncology-molecular-diagnostic-market>

Mobile C Arms Market By Product Type (Mini C-arms, Full Size C-arms, and Others), By Application (Cardiology, Gastroenterology, Neurology, Orthopedics and Trauma, Oncology, and Others), By End-User (Hospitals, Ambulatory Surgical Centers (ASCs), and Specialty Clinics), and By Region - Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-<https://www.zionmarketresearch.com/report/mobile-c-arms-market>

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