

Predictive Biomarkers with AI

HORIZON-HLTH-2027-02-TOOL-01

Clinical partner in psychiatry,
digital biomarkers and real-world validation



Partner seeks Consortium/Coordinator



Provincial Mental Health Hospital in Świecie, Poland



From Data to Insights to Better Outcomes



Collect
Real-World Data



AI Models &
Biomarker Discovery



Risk Prediction &
Stratification



Personalised
Interventions



Why this call fits us

Predictive Biomarkers with AI • HORIZON-HLTH-2027-02-TOOL-01-two-stage

Mental-health care needs earlier prediction of deterioration, relapse and treatment response.

Project concept

- Multimodal AI biomarkers combining clinical, psychometric and digital signals
- Prediction of relapse, deterioration and treatment response
- External validation in real-world psychiatric care

Positioning for this call

- Strong fit for digital phenotyping, prediction models and personalised mental-health pathways.
- Clinical relevance, feasibility and real-world implementation are the core value proposition.
- We can contribute as partner seeking a coordinator or established consortium.



Partner seeks Consortium/Coordinator

AI-enabled biomarkers for progression, relapse and treatment response in psychiatry

What our hospital brings

Specialised psychiatric care, research readiness and innovation capacity

420+

inpatient beds

25k+

patients yearly

48

mapped staff

Clinical access

- Adults, older adults and complex psychiatric populations
- Mood disorders, psychosis, treatment-resistant conditions, addictions, cognitive impairment

Research & implementation

- Clinical trial experience in psychiatry
- GCP workflows, recruitment, data collection and endpoints
- Department of Research, Development and Innovation coordinating projects

PROVINCIAL MENTAL HEALTH HOSPITAL
named after Dr. Józef Bednarz in Świecie

Innovation & Digital Transformation

AI. Data. Better Outcomes.

We harness innovation and digital technologies to improve mental health care, optimize processes and deliver measurable impact.

- AI-POWERED PSYCHIATRY**
 - AI tools for assessment, risk prediction and decision support
 - Digital phenotyping and predictive models
- INTEGRATED DATA ECOSYSTEM**
 - Electronic health records and clinical databases
 - Real-world data and longitudinal follow-up
- DIGITAL CARE & TELEHEALTH**
 - Remote monitoring and mobile tools
 - Continuity of care beyond hospital
- RESEARCH & INNOVATION**
 - Data-driven research and biomarker studies
 - Participation in EU and international projects
- EDUCATION & CAPACITY BUILDING**
 - Training programs for staff and partners
 - Knowledge sharing and academic collaboration

Key Metrics:

- 20+ AI and digital health projects in progress
- 10+ Data-driven initiatives across departments
- 700+ Professionals engaged in innovation
- 100% Commitment to data security and ethical AI

OUR GOAL: To build a smarter, more connected and compassionate mental health system for the future.

INNOVATION: We embrace new ideas and technologies.

COLLABORATION: We achieve more together.

QUALITY: We are committed to excellence in everything we do.

COMPASSION: We care for people and their dignity.

IMPACT: We strive for better outcomes and a better future.



Proposed role in the consortium

Clinical cohort, endpoint-definition and real-world validation partner

What we offer

- Clinical cohorts in depression, psychosis, treatment-resistant conditions and older-age psychiatry
- Psychometric and neuropsychological endpoints
- Digital phenotyping logic: sleep, mobility, activity, functioning
- Clinical validation in routine care

Deliverables we could support

- Clinical protocol input and feasibility assessment
- Patient recruitment and follow-up
- Endpoint definition, data collection and validation
- Dissemination, training and implementation in clinical practice



Our value: not technology alone, but clinical validation in a real psychiatric healthcare environment.

Who we seek

We seek AI and digital-biomarker leaders looking for a specialised psychiatric validation site.

- AI/ML and multimodal data integration partners
- Wearables, smartphone sensing and digital biomarker experts
- Data governance, interoperability and privacy specialists
- Clinical sites for external validation

Next step

Schedule a B2Match meeting to discuss consortium fit, work package role and contribution to the proposal.

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