

Virtual Human Twins

HORIZON-HLTH-2027-03-TOOL-04

Clinical partner in psychiatry,
digital twins and decision support



Partner seeks Consortium/Coordinator



Provincial Mental Health Hospital in Świecie, Poland



Why this call fits us

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Psychiatry is ready for clinically meaningful Virtual Human Twin use cases.

Project concept

- Mental-health Virtual Human Twin integrating longitudinal patient data
- Risk, trajectory and treatment-response modelling
- Decision-support use cases tested in clinical workflows

Positioning for this call

- High-value use case: personalised mental-health prediction and digital twin-supported decisions.
- 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

A mental-health digital twin use case for prediction and clinical decision support

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



Proposed role in the consortium

Psychiatric use-case and clinical validation partner

What we offer

- Psychiatric workflows and clinical use-case definition
- Access to real-world clinical data and longitudinal outcomes
- Human-factor, usability and clinician-oversight evaluation
- Validation in inpatient and outpatient mental-health settings

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



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.

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

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

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.

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

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Who we seek

We seek a technology-led consortium needing a strong clinical psychiatric demonstrator.

- Virtual Human Twin modelling partners
- AI/HPC, simulation and data-space expertise
- Interoperability and clinical decision-support developers
- Hospitals with complementary disease-area use cases

Next step

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

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