

# PRECISEU Best Practice Recognition

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## Winner in the Category **INNOVATION**

### **OPORA Health: A Patient-Centered Data Infrastructure Platform for Brain Health Innovation**

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**OPORA Health is an AI-ready data platform for ethical, secure, multimodal brain health data. It supports innovations in cognitive health, PTSD care and research across Europe, the UK, and in war-affected populations in Ukraine.**

OPORA Health is a secure, AI-ready data digital platform for brain health research, care, and ATMP innovation. Originally developed to address the mental health impact of war, it now supports conditions including anxiety, depression, cognitive decline, migraine, and trauma-related disorders.

The platform bridges patient needs, high-integrity data systems, and scalable health technology innovation by facilitating clinical research, trial optimisation, and personalised care in Ukraine, the UK, and Europe. Key Capabilities:

- Support ATMP innovation with diverse, ethically collected, AI-ready data.
- Empower researchers and clinical innovators with reliable patient-facing infrastructure for AI in healthcare, compliant with EU AI Act and other evolving AI regulations.
- Significantly reduce time and cost of new digital technology design and roll-out with out-of-box modules, which is especially valuable for underserved populations in resource-constrained settings.
- Uncover actionable insights into patient experience, mental and cognitive health, and treatment response.
- Reduce barriers for validated, compliant AI-enabled studies.

**Methods:** OPORA Health provides a privacy-first infrastructure for multimodal health data collection and analysis, including structured and unstructured inputs, biosensors, behavioral data, and contextual metadata. It ensures AI-readiness with semantic interoperability and quality validation, offering dashboards for clinicians and patient-facing mobile tools with transparency and consent-driven participation. OPORA Health is GDPR-compliant and cross-border scalable.

**Results:** In pilots with partners in Europe, Ukraine and the UK, OPORA Health is actively used for patient monitoring, brain health screening, and patient engagement. Early outcomes show strong user trust, high retention, and improved clinical efficiency. Current pilots cover data from two PTSD clinics and 120 migraine patients, with a 2027 goal of 50,000 mental health, migraine, and cognitive health patients.

**Future Development:** OPORA Health is expanding into RAG and LLM-integrated tools for clinical decision support and ATMP optimization. Its modular design and integration of patient feedback and cognitive health data enable deeper understanding of trauma, pain, and recovery—key to personalizing ATMP development.

With over 9.6 million people in Ukraine affected by mental health conditions, OPORA Health advances people-centered, equitable, and science-driven digital innovation to transform next-generation therapies.

**OPORA Health exemplifies how ethically sourced, globally inclusive health data accelerates ATMP development while enhancing patient safety, equity, and innovation in brain health.**