

ChatMED New Year Special

2025 Year in Review

📅 Retrospective Edition | Q1 – Q5 Executive Summary

As we welcome 2026, ChatMED celebrates a landmark year where we transitioned from a localized research initiative to a central node in the European medical AI ecosystem. This retrospective highlights our journey from technical foundations to high-impact international leadership.

🚀 Strategic Scaling & Infrastructure

In 2025, ChatMED established unprecedented connectivity between the Western Balkans and Europe's elite research networks.

The Pharos Connection:

The EU officially accepted our AI Antenna to the Greek Pharos AI Factory, securing a direct link to premier European supercomputing resources.

Massive Consortia:

We led and joined expansive international bids, including a 17-partner consortium for the Horizon Health CARE call and a 10-partner bid for the EIC Pathfinder Challenge.

Institutional MoUs:

We formalized long-term industrial partnerships through signed memorandums with Sorsix, Fingerprint Diagnostics, Ekonet, and Bio Engineering.

🔬 Scientific Excellence: A Record of Impact

To date, ChatMED has produced a robust portfolio of peer-reviewed research, bridging the gap between theoretical AI and clinical utility.

High-Impact Journal Publications

Journal	Publisher	Topic Highlights
JMIR	JMIR	AI Act Compliance Within the MyHealth@EU Framework: Tutorial
Proteomics	John Wiley & Sons	Applicability assessment of technologies for predictive and prescriptive analytics of nephrology big data
Bioinformatics Advances	Oxford Academic	Prompt-to-Pill: Multi-Agent Drug Discovery and Clinical Simulation Pipeline
Brain Sciences	MDPI	A Unified Framework for Alzheimer's Disease Knowledge Graphs: Architectures, Principles, and Clinical Translation
Healthcare	MDPI	Evaluating a Nationally Localized AI Chatbot for Personalized Primary Care Guidance: Insights from the HomeDOCTOR Deployment in Slovenia
Journal of Medical Biochemistry	Society of Medical Biochemists of Serbia	Unraveling genetic predisposition and oxidative stress in vitiligo development and the role of artificial intelligence (AI) in diagnosis and management
Data in Brief	Elsevier	RAGCare-QA: A benchmark dataset for evaluating retrieval-augmented generation pipelines in theoretical medical knowledge

Global Conference Presence

Our team presented conference papers, establishing ChatMED as a thought leader in medical AI:



Information Society (IS 2024 & 2025):

12 papers covering federated learning, mental health chatbots, and medical diagnostic testing.



CiIT 2025:

2 papers focused on Transformer models for EMG signal classification (ALS detection) and neurogenomic perspectives for predictive neurology.



BIOINFORMATICS 2026:

2 papers exploring epigenetic dysregulation and drug repurposing.



IEC 2024:

1 paper comparing chatbot-generated vs. official guideline recommendations for depression in epilepsy.

🎓 Capacity Building: Training Milestones

Our training strategy throughout 2025 sharpened the technical and management edge of our consortium:



CiIT Training (April 2025):

Provided foundational workshops on Generative AI trends, Prompt Engineering, and HPC infrastructure for regional industry and researchers.



Technical Deep-Dive (July 2025):

Empowered the team with advanced expertise in neurological AI applications, medical imaging classification, and multimodal knowledge retrieval.



Management Excellence (IS 2025):

Conducted high-level training in Ljubljana to boost the management capacity and leadership skills required to coordinate our expanding international network.

🇮🇹 2025: The Year by the Numbers

23

Conference papers presented across international venues.

7

High-impact journal articles published.

17

Partners reached in our largest Horizon Europe consortium bid.

1

Official bridge to the Pharos AI Factory supercomputing hub.

A Message from the Project Coordinator



"2025 was the year ChatMED proved that our region is not just a participant, but a lead architect of the medical AI future. With the Pharos link secured and our scientific record established, we enter 2026 ready to move from research to large-scale clinical validation."

— Dr. Monika Simjanoska Misheva, Project Coordinator

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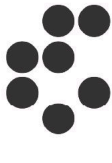


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