T Health

TALK2EHR

SOVEREIGN AI FOR HEALTHCARE

FOR HOSPITALS, HEALTH INSURERS,
AND RESEARCH INSTITUTIONS

ACCELERATE PROCESSES. RELIEVE STAFF. RETHINK INFORMATION ACCESS.

Clinical staff work daily with electronic health records (EHR) consisting of numerous documents, views, and interfaces. Relevant information must be manually searched, filtered, and clinically interpreted—often under time pressure.

Fragmented data structures prolong decision-making and reduce the time directly spent with patients. At the same time, data protection, access control, and full traceability are essential.

Talk2EHR enables conversational, validated access to patient information—faster than traditional search and fully operated in a sovereign environment.

YOUR CHALLENGES

Fragmented EHR structures
Diagnoses, medications, and prior findings are spread across different documents and system areas.

Time-consuming information search
Manual research in EHR consumes valuable clinical time.

Strict regulatory requirements
Data protection, access control, and compliance with MDR and the AI Act require transparent and auditable solutions.

Growing documentation workload
Increasing data volumes make it difficult to gain a quick overview in acute situations.

THE SOLUTION: TALK2EHR

Our solution, “Talk2EHR”, currently in development, is an AI-powered chat service for semantic access to EHR within the synedra Health Content Management system.

Semantic context analysis instead of full-text search

The solution analyzes content contextually and delivers prioritized, clinically relevant answers—not just lists of results. Outputs include direct source references.

Validated and traceable responses

Answers are based exclusively on shared documents. Every piece of information is traceable; no content is generated without a source basis.

Predefined clinical templates

Standardized prompt templates, such as those for medication plans or emergency information, ensure consistent and validated results.

Sovereign security architecture

Role-based access controls, SSO, audit logging, encryption, and data provenance ensure full traceability. Patient data is not used for external model training.

Infrastructure-agnostic deployment

Container-based deployment in regulated cloud or on-premises environments enables integration without changes to the existing IT landscapes and without vendor lock-in.

→ Overall result: Fast, validated, and traceable access to clinically relevant patient information—directly within the workflow.

YOUR BENEFITS

Target: up to 50% reduction in search time

Clinical information is found significantly faster, allowing more time for diagnostics and patient interaction.

Higher information quality

Source-linked, validated answers reduce misinterpretation and improve decision confidence.

Reduced error risk

Structured, context-based outputs minimize the risk of overlooked findings.

More efficient workflows

Faster access to information relieves clinical staff and reduces administrative workload.

Your next step

T-Systems supports you from use case definition to productive rollout.

Start your AI transformation now—sovereign, secure, and measurably effective.

Experience Talk2EHR in a demo or book an AI workshop to get started.

Disclaimer:

Talk2EHR is currently under development and, based on its intended purpose, is classified as a medical device under the MDR at this stage. The final risk classification under the EU AI Act is still pending; at present, Talk2EHR is considered a high-risk AI system.

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