

Health



PATIENT SUMMARY

SOVEREIGN AI FOR HEALTHCARE

**FOR HOSPITALS, HEALTH INSURERS,
AND RESEARCH INSTITUTIONS**

ACCELERATE PROCESSES. RELIEVE STAFF. CREATE INFORMATION CLARITY.

Medical professionals work daily with a wide range of differently formatted documents, findings, and reports. Relevant information must be manually searched, read, and clinically interpreted—often under time pressure.

Incomplete or fragmented patient data increases the risk of medication errors, duplicate diagnostics, or delayed treatment decisions. At the same time, the volume of medical documentation continues to grow.

Patient Summary generates a structured, patient-centric overview within seconds—context-based, transparent, and directly integrated into clinical workflows.

YOUR CHALLENGES



Fragmented patient data

Diagnoses, medications, and prior findings are spread across multiple documents and systems and are not available in a consolidated form.

Time-consuming manual review

Physicians must read and evaluate extensive documentation before making clinical decisions.



High risk of errors

Incomplete information can lead to duplicate examinations, unnecessary diagnostics, or delayed treatment.

Growing data volumes

The increasing amount of documentation makes it difficult to identify relevant information instantly in acute situations.



THE SOLUTION: PATIENT SUMMARY

Our solution, “Patient Summary”, currently in development, is an AI-powered extension of the synedra Health Content Management system that intelligently aggregates shared patient data and presents it in a clinical, structured format.



AI-based contextual aggregation

The solution analyzes content semantically and condenses it into a structured, prioritized overview—far beyond full-text search or rule-based filtering.

Transparent traceability

Each summary remains linked to the original source documents. Direct links enable immediate verification of details.



Seamless system integration

The solution is provided through a web service within the HCM interface. Open interfaces enable integration into existing IT architectures.

Mobile access in clinical practice

An optional web-based frontend enables the integration of the overview into ward rounds, case discussions, and interdisciplinary coordination.



Sovereign architecture

The solution runs in a European sovereign cloud with role-based access controls, audit logging, and full data sovereignty. Patient data is not used for external training.

→ Overall result: A structured, complete, and clinically usable patient overview.

YOUR BENEFITS

- **Reduced reading and search time**
Key findings are immediately visible, significantly reducing manual review effort.
- **Better clinical decisions**
Structured overviews improve the information basis during admission, ward rounds, and discharge.
- **Fewer unnecessary diagnostics**
Improved transparency of prior findings reduces duplicate examinations and shortens decision paths.
- **Economic relief**
More efficient information processing reduces the length of stay and optimizes resource utilization.



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 Patient Summary in a demo or book an AI workshop to get started.

Disclaimer:

Patient Summary 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, Patient Summary is considered a high-risk AI system.

www.t-systems.com/health

Deutsche Telekom Healthcare and Security Solutions GmbH
Friedrich-Ebert-Allee 140, DE-53113 Bonn

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