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# Healthcare Architecture.

Precision medicine starts with  
precision architecture.

# Care quality demands architectural discipline

The healthcare sector faces a paradox: more data than ever, yet less time per patient. W69 implements AI architecture for hospitals, clinics and care networks where patient safety is core. Diagnoses grow more complex, treatment protocols evolve faster, and regulators are watching closely. Without architectural discipline, your data advantage becomes your greatest risk.

*“You don’t merely treat a patient; you safeguard the clinical integrity for the next generation of your healthcare institution.”*

**We don’t build for today’s diagnosis, but for tomorrow’s health outcomes. Your patients deserve an architecture that stands the test of time.**

## Clinical Governance

Strict guardrails for clinical decision-making and evidence-based protocols.

## Patient Safety Logic

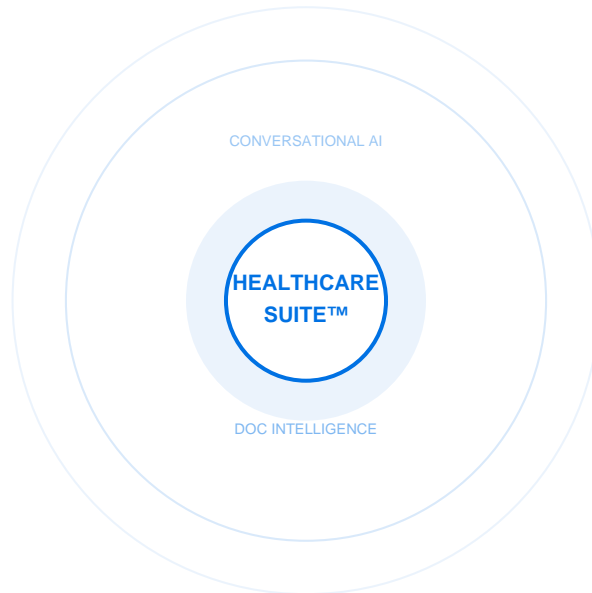
Automated safety checks on every AI recommendation.

## Privacy-by-Design

Seamless integration with GDPR, healthcare standards and medical confidentiality.

# The Healthcare Suite™

How W69 connects AI components into one clinical architecture.



- **Clinical Decision Engine**

Intelligent support for diagnostics and treatment decisions with evidence-based recommendations.

- **Compliance**

Automated assessment against healthcare legislation, regulatory standards and quality benchmarks.

- **Patient Flow AI**

Optimization of patient logistics, bed management and waiting times.

- **Reporting**

Automated reports for quality indicators, clinical registration and management information.

- **Audit Trail**

Full traceability of every AI recommendation for medical accountability.

**Cross-cutting capabilities:** Document Intelligence and Conversational AI are integrated across all components of the Healthcare Suite™.

# From medical documents to clinical insight

AI that understands, analyzes and transforms your medical document flow into actionable clinical insights.

## 1 EHR & Record Analysis

Automatic extraction of relevant clinical data from electronic health records, discharge letters and referrals.

## 2 Protocol & Guideline Screening

Real-time assessment of treatment plans against current medical guidelines and protocols with evidence-based validation.

## 3 Quality Reporting Automation

Generation of quality indicators, complication registrations and regulatory reports based on source data.

# Intelligent interaction for healthcare

AI-driven conversations that guide patients, support healthcare professionals and safeguard quality.

## 1 Patient Triage Assistant

Automated symptom assessment and urgency determination through natural conversations with real-time protocol checks.

## 2 Clinical Knowledge Platform

AI assistant providing healthcare professionals with direct access to medical guidelines, pharmacological databases and recent literature.

## 3 Patient Communication Bot

Guidance on appointments, medication information and aftercare through an accessible conversational interface.

# From passive tools to autonomous intelligence

Static AI models wait for a prompt. **Agentic Systems** by W69 take the initiative. We design architectures in which AI agents autonomously plan tasks, consult sources, orchestrate tools and validate results.

## 1 Reasoning Engines

Chain-of-Thought protocols for clinical decision-making. From diagnostics to treatment plans, step by step and evidence-based.

## 2 Tool Augmentation

Integration with your existing healthcare systems. Whether EHRs, PACS or laboratory systems — our agents navigate safely through your data ecosystem.

## 3 Human-in-the-Loop

For clinical decisions, the system escalates to your healthcare professionals. No autonomy without medical accountability.

## 4 Continuous Learning

The architecture evolves alongside medical guidelines and evidence. Feedback loops refine models within clinical guardrails.

# Your AI Readiness Score

The Navigator™ Assessment provides an initial indication of your organization's AI maturity. Scores range from 10 to 50, divided across three maturity levels.

## Exploration

10 – 20

AI is in an early experimental phase. Individual experiments, few organization-wide guidelines, fragmented tools.

## Integration

20 – 35

AI is already applied in specific workflows. Concrete use cases, partial integration, growing team adoption, governance in development.

## Strategic AI

35 – 50

AI is a structural part of the organization. Organization-wide adoption, integrated AI architecture, clear governance, AI-supported decision-making.

## Start your Navigator™ Assessment

Discover your organization's AI maturity in 5 minutes.

[www.w69.ai/sectors/healthcare.html](http://www.w69.ai/sectors/healthcare.html)

W69 PROOF™



Every system W69 delivers carries the W69 Proof™ seal — your guarantee for architecture, governance and compliance.

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### **W69 AI Consultancy**

Agentic AI Architecture · Governance · Transformation  
Healthcare Architecture

[www.w69.ai](http://www.w69.ai) · Amsterdam