



CareSpace®: The AI-Powered Digital Health Platform

Executive Summary

Every minute spent wrestling with inefficient healthcare technology systems is a minute taken away from patient care - resulting in physician burnout, increased operational costs, and compromised quality of care. Healthcare providers today must manage multiple disconnected systems, leading to redundant data entry, communication gaps, and administrative overhead that directly impacts their ability to deliver optimal patient care.

CareSpace® delivers a Digital Health Platform built on this principle. Its architecture combines a unified data layer, extensive healthcare applications, and APIs that quickly assemble into personalized solutions. This approach enables healthcare organizations to build their own adaptable digital environment, scaling and evolving at their chosen pace. At its core, CareSpace® provides physicians and care teams with intuitive, AI-enhanced tools that streamline their work rather than complicate it.

The combined impact of major disruptions, including COVID-19, increasing physician burnout, and rising administrative burdens has made this transformation urgent. Traditional healthcare IT systems, burdened by rigid architectures and siloed data, cannot effectively meet these evolving demands. Their limitations result in increased operational costs, reduced efficiency, and ultimately, compromised patient care delivery and outcomes.

The Rise of Digital Health Platforms: A Path to Healthcare Transformation

The Healthcare Technology Challenge: Why Healthcare Systems Fall Short

Healthcare systems need more than just rapid response protocols for managing crises – they require intelligent technology that seamlessly connects patient data across all care settings. Physicians and administrators, already stretched thin, look to digital innovation for relief: AI-powered insights that enhance decision-making at the point of care, streamlined workflows that reduce burnout, and technology investments that deliver measurable value quickly.

Traditional healthcare IT systems, burdened by rigid architectures and siloed data, cannot effectively meet these evolving demands. Their limitations result in increased operational costs, reduced efficiency, and ultimately, compromised patient care delivery and outcomes.

In response to these challenges, digital health platforms have emerged as a transformative solution. These platforms represent a fundamental shift from conventional electronic health record systems that often create more complexity than convenience.

Persivia CareSpace®: A Future-Ready Digital Health Platform

Persivia CareSpace® is a comprehensive digital health platform built on over two decades of healthcare technology expertise. The platform provides an unparalleled digital health infrastructure that integrates seamlessly with existing systems while enabling organizations to implement innovative care delivery solutions. CareSpace® has the ability to enable hundreds of use cases, from population health to virtual care, EHR, analytics, AI models and more. The platform is highly modular, flexible and can enable any use case to address organizational needs.

Traditional Monolithic System

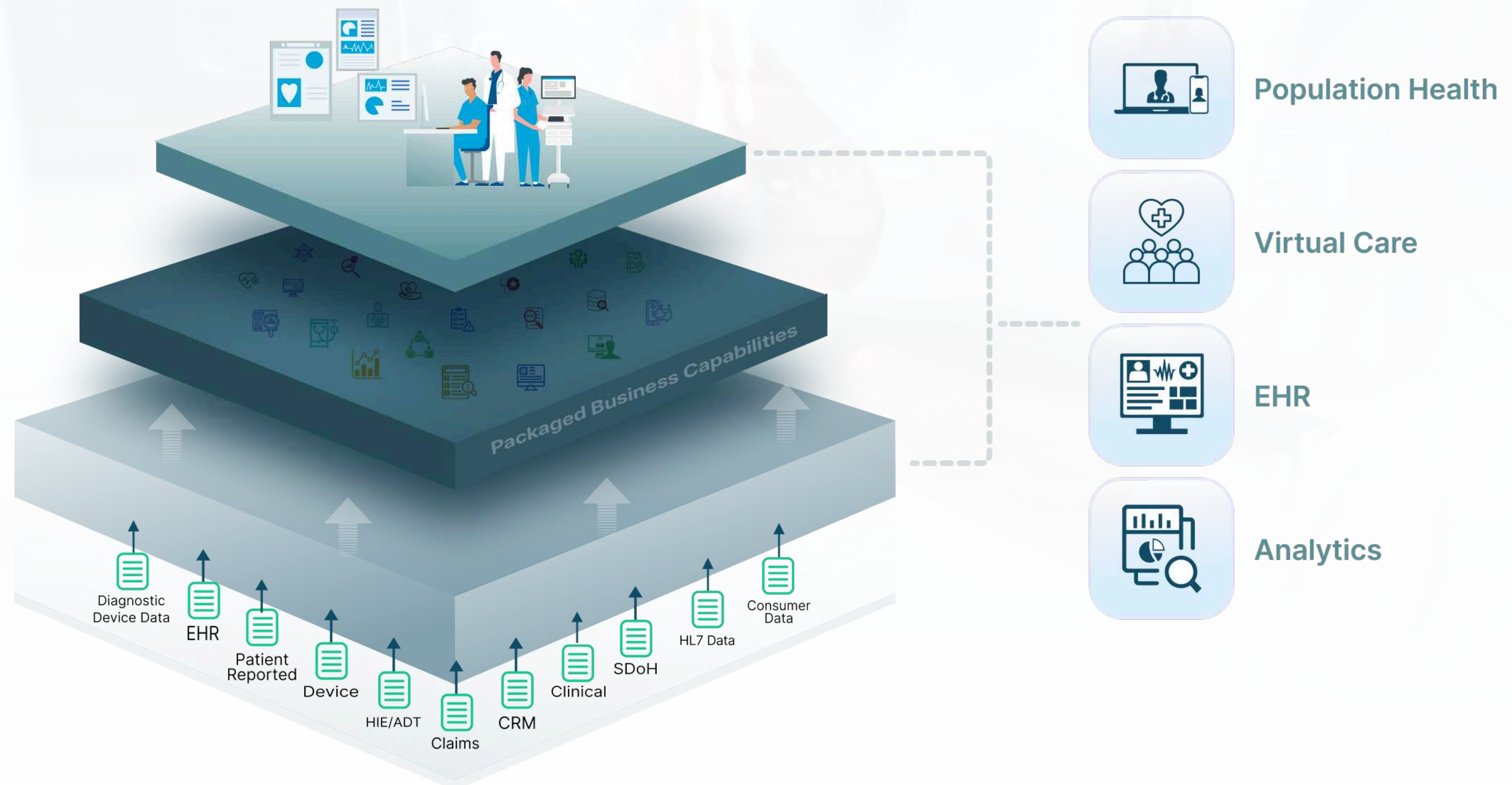
- Multiple disconnected healthcare system
- Tightly coupled components
- Complex, time-consuming updates
- Proprietary data silos
- High migration costs
- Limited adaptation ability

CareSpace® Modular Architecture

- Flexible component selection
- Independent, interchangeable modules
- Rapid updates and deployment
- Seamless data integration
- Quick adaption to new needs
- Analytics and Insights

Persivia's

Digital Health Platform



This Architectural Approach Delivers:



Seamless data integration



Efficient workflow optimization



Improved user experience



Rapid deployment of new capabilities



Enhanced analytics capabilities

Three Pillars of CareSpace®

Digital Health Platform

CareSpace® addresses the industry challenges through a sophisticated three-layer architecture that transforms how healthcare data is collected, processed, and utilized.

1. Integrated Data Fabric: The Foundation of a Digital Health Platform

At the core of CareSpace® lies a powerful integrated data fabric that transforms how healthcare organizations handle their data. This foundation layer addresses one of healthcare's most persistent challenges: the fragmentation of patient information across multiple systems and formats. Our platform ingests data from diverse source including EHRs, EMRs, claims systems, HIEs, HL7 data, SDOH, patient-reported data, and various clinical systems, each with their own formats and standards.

The data integration process involves sophisticated curation using artificial intelligence, natural language processing, and semantic normalization techniques. CareSpace® does more than simply store medical data - it transforms it into actionable intelligence. The platform first cleans and standardizes patient information using Enterprise Master Patient Index (eMPI) to ensure each patient is correctly identified across all records. It then converts varied medical terminology into consistent, standardized language that all healthcare providers can understand. Through this intelligent process, the data becomes more valuable and reliable, giving healthcare providers the accurate information they need to make informed decisions.

This curated data is stored in our cloud-agnostic data lake house architecture, making it accessible for all business capabilities while maintaining security and compliance. CareSpace® creates comprehensive metadata catalogs that helps healthcare organizations and utilize their data assets effectively. The result is a true longitudinal patient record that provides a complete, real-time view of each patient's health journey.

2. Packaged Business Capabilities (PBCs): Powering Healthcare Operations

CareSpace® offers comprehensive Packaged Business Capabilities (PBCs) available out-of-the-box, enabling quick implementation. Beyond these, CareSpace® can create hundreds of additional PBCs tailored to specific organizational needs. The platform provides over 200 microservices and hundreds of APIs that partners can leverage to create new PBCs.

Healthcare-Specific D&A

CareSpace® brings together critical healthcare capabilities—from population health and quality measurement to risk adjustment—in a single, integrated platform. Organizations can leverage patient cohort builders, alerts systems, and sophisticated analytics dashboards that provide insights into both clinical and financial performance. These capabilities are enhanced by our CareTrak® analytics engine and Adhoc Query Builder, enabling healthcare organizations to derive meaningful insights from their data.

Clinical Care Process Management

Our Clinical Care Process capabilities encompass comprehensive care management and coordination tools, including sophisticated care planning systems, chronic care management solutions, and transition care management tools. The platform includes over 50 different assessment types and supports more than 20 specialty care programs, ensuring that healthcare organizations can deliver appropriate care across various specialties and conditions.

- Care Coordination
- MIPS Quality
- HEDIS
- Risk Adjustment
- Cost Analytics - Attributed Populations
- Cost Analytics - Attributed Episodes
- AI Models
- Health Risk Assessments
- Annual Wellness Visits
- Cohort Builder
- Pre-auth Service
- EHR
- TCM/CCM
- Provider App
- Virtual Care
- Patient App and Portal
- Radiology AUC
- Risk Stratification
- Remote Patient Monitoring

- More than 100s of PBCs
- Customized PBCs based on organizational needs



3. Composition Layer: Orchestrating Healthcare Excellence

The third layer of our Digital Health Platform is the Composition and Orchestration layer, powered by Camunda for seamless process management. CareSpace® combines workflow orchestration with content integration, calling various system APIs during process execution. Our extensive clinical knowledge repository resides in the Clinical Decision Support (CDS) system and is dynamically accessed when required in the workflow orchestration process.

No-Code Workflow Manager

CareSpace® features an intuitive drag-and-drop workflow designer that allows users to create and manage complex processes. Users can define patient criteria, generate appropriate workflows based on these criteria, configure task execution through streamlined interfaces, and establish performance monitoring parameters—all through a visual interface. These performance reports help in identifying, tracking and addressing operational bottlenecks.

Workflows can be built from scratch or customized to specific requirements, incorporating both human interventions and automated machine tasks. These components connect through decision nodes and branching logic, creating comprehensive end-to-end processes that adapt to organizational needs.

Reimagining the EHR Experience with the Persivia's Digital Health Platform

CareSpace® redefines how providers engage with EHRs by bringing a complete, real-time view of the patient - right into the clinical workflow. Through its powerful EHR companion, CareTrak®, CareSpace® delivers a seamless, single sign-on experience with full bidirectional integration across all major EHRs.

By surfacing only, the most actionable, relevant information directly at the point of care, CareSpace® eliminates the need for endless clicks and screen toggling. Instead, providers get more time with patients - and less time hunting for data.

This is more than EHR optimization. This is a smarter, faster, and more human way to deliver care.

Customer Success Stories

Discover how Persivia's Digital Health Platform has made a difference at McLaren Healthcare

Largest healthcare providers
in the Midwest,
across Michigan & Indiana



14
Hospitals



1140+
Practices



4400
Healthcare Providers

Key Challenge:

McLaren needed a solution that could scale effectively while maintaining data integrity and operational efficiency.

How CareSpace® enabled McLaren to:

- Unify data from multiple EHR systems and 1,140+ practices into a single, coherent platform
- Provide real-time clinical decision support across their network of 4,400+ providers
- Streamline quality reporting and population health management for 550,000+ lives
- Deploy new capabilities rapidly across their 14 hospitals without disrupting existing workflows
- Achieve significant cost savings through improved operational efficiency

✓ **\$34M** Savings generated by McLaren ACO in Medicare savings

✓ **60 days** Implementation Timeline

✓ **90%** Increase in operational efficiency through automated risk stratification

✓ **100%** Improvement in physician quality scores

✓ Improved **patient care** delivery efficiency

✓ Streamlined access to **performance data**


✓ Enhanced **commercial and ACO** performance metrics

[Click here to read more](#)


Customer Success Stories

Discover how Persivia's Digital Health Platform solutions drive success in healthcare organizations: The Sanitas Story


A leading healthcare
Provide across Florida,
Connecticut, and New Jersey




50
Medical
Centers



500
Providers



400,000
Patients



6+
VBC Contracts

Key Challenge:

- Fragmented and siloed data
- Manual and redundant workflows
- Multiple systems

Solutions:

- Persivia CareSpace®
- A single Integrated platform
- Persivia CareTrak® -A point of care Tool to deliveractionable insights

How CareSpace® enabled Sanitas to:

- Integrate data from 30+ sources including 10+ EMRs, HIEs, and payers into a single, unified platform
- Deploy the solution across 50 facilities and 500 providers in under 90 days
- Resolve a six-month data backlog with eCW in just one day
- Deliver actionable insights at the point of care through CareTrak® integration
- Implement AI-driven workflows for improved risk stratification and patient care
- Streamline care coordination across providers, care managers, and other stakeholders

Integrated
30 EHRs

Over
500 practices

Went live in less than
90 days

[Click here to read more](#)

Conclusion

The healthcare industry stands at a pivotal moment where traditional EHR systems can no longer meet the rapidly evolving demands of modern healthcare delivery. CareSpace® addresses this challenge through its transformative digital health platform architecture, built on three core pillars: an integrated data fabric, comprehensive packaged business capabilities, and a flexible composition layer. This architecture enables healthcare organizations to break free from conventional constraints and create truly adaptive, patient-centered care delivery systems.

Our platform's success at organizations like McLaren Healthcare and Sanitas demonstrates the tangible benefits of this approach, enabling rapid deployment of personalized healthcare solutions while significantly reducing implementation time and costs. CareSpace®'s proven architecture, validated through hundreds of successful deployments, positions healthcare organizations to meet current challenges head-on while ensuring better outcomes for their patients and communities.

Contact Persivia today to discover how our AI-powered Digital Health Platform can transform your organization.

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