

Clinical Intelligence Solutions for Health Systems



The care patients receive should not vary based on the healthcare system, the doctor they choose, the color of their skin, gender identity or where they live. Over the past five decades, research has established unwarranted clinical variation, defined as differences in medical practices that cannot be explained by the response to available evidence, severity of illness or patient preferences, as a major driver of healthcare waste in the United States and globally. In 2019, a JAMA article found that roughly 20–25% of American healthcare spending is wasteful. If providers followed the best care evidence available, they could reduce unwarranted clinical variation and waste, saving an estimated \$200B per year. How can healthcare systems reduce unwarranted clinical variation, while also reducing provider burden and delivering a positive patient experience? Apervita's Clinical Intelligence Solutions can help.

In recent years, new standards have evolved such as the FHIR Clinical Reasoning Module including CQL, which enables new innovations in clinical content such as standard digital quality measurement and the development of the Clinical Practice Guideline (CPG) on FHIR standard for computable and shareable guidelines. Apervita's Clinical Intelligence Solutions build upon the foundational elements of the Apervita Vital™ Platform and deliver clinical insights based on best care practices defined in the computable CPGs. Unlike other clinical pathway vendors, Apervita's clinical intelligence insights are customized and tailored to the specific state of each patient.

Apervita's Clinical Intelligence Solutions have two modules with configurable options to meet your organization's unique needs:

- **Apervita Knowledge Studio:** Leveraging our affiliation framework and knowledge asset library, the Apervita Knowledge Studio streamlines the build process for clinical content such as quality measures, CPGs and other knowledge assets. Through it, organizations can more efficiently translate best-practice guidelines into computable CPGs. Apervita can also translate guidelines into CPGs on behalf of the organization.
- **Pathways Connector:** Once CPGs are created within the Apervita Knowledge Studio, we can implement them using our CQL engine and single patient execution environment, giving your providers stateful clinical recommendations. Alternatively, Apervita can ingest CPGs previously created. We can provide CPG performance results back to your organization to integrate within your own business intelligence tools or deliver insights directly into your EMR. This module also supports a wide range of data delivery mechanisms including streamlining eCase reporting and registry needs.

Apervita makes the Learning Health System a reality through our Quality Measurement & **Clinical Intelligence** Solutions, which are powered by the Apervita Vital™ Platform.



Clinical Intelligence Solutions

- Apervita Knowledge Studio™
- Pathways Connector

Key Benefits of Apervita's Clinical Intelligence Solutions

- **Reduce burden and promote trust:** Provide clinicians with the latest clinical evidence to power the situational awareness necessary for patient-centered care and reduced cognitive burden
- **Achieve First Time Quality:** Turn quality into a prospective opportunity to perform best-practice care rather than a retrospective penalty
- **Avoid quality penalties:** Reduce readmissions, hospital acquired infections and patient safety errors
- **Accelerate adoption of best-practices:** Increase access to clinical guidelines of interest and streamline enterprise knowledge management
- **Leverage first-of-its kind content build tools:** Gain access to a single integrated knowledge authoring, implementation and testing environment using the Apervita Knowledge Studio

Apervita's Clinical Intelligence Solutions are an integral part of our commitment to enable the Learning Health System—a framework of continuous learning and improvement to drive better outcomes and cost effectiveness. Our Clinical Intelligence Solutions capture new insights and allow for CPGs to evolve and streamline the interoperability needed to ensure that best-practices are based on comprehensive data. With our combined technologies and expertise, Apervita and health systems can help make the Learning Health System a reality.

Why Healthcare Has Embraced "First Time Quality" From the Manufacturing Industry



The term "*First Time Quality (FTQ)*" was coined by Toyota Motor Corporation when they integrated the lean process into manufacturing. The lean methodology and FTQ has since been widely adopted across industries including aerospace, banking, telecommunications and industrial engineering plants. Lean manufacturing ensures that any production is performed in the right manner the first time and every time so that no re-work is necessary. In the past two decades, healthcare has also employed a version of this concept to ensure quality, efficiency and adherence to best practices in medicine. As healthcare data becomes more interoperable and the LHS is enabled, First Time Quality care will become more important and ultimately save lives by ensuring quality care is delivered to every patient. Providers will be supported with the best possible evidence and will provide FTQ care at the point of care, rather than receiving performance report cards six to twelve months later.

Empower clinicians & promote best-practice care.

Contact us today at info@apervita.com or [312.257.2967](tel:312.257.2967)

Apervita is committed to making the Learning Health System a reality. We make this possible through our Quality Measurement and Clinical Intelligence Solutions powered by the Apervita Vital Platform. Our cloud-based, trusted collaboration platform and solutions enable payers, providers and other healthcare stakeholders to transform quality measurement and care delivery. Serving over 60% of hospitals in the United States, Apervita conducts billions of computations and insights for our clients each year.

We're on a journey to create transparency across the healthcare system to improve performance of care delivery. To realize a national Learning Health System, we must have commitment from all stakeholders to leverage interoperable systems, to measure quality using standardized methods, and to provide First Time Quality by using the best evidence available at the point of care, one patient at a time.

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