

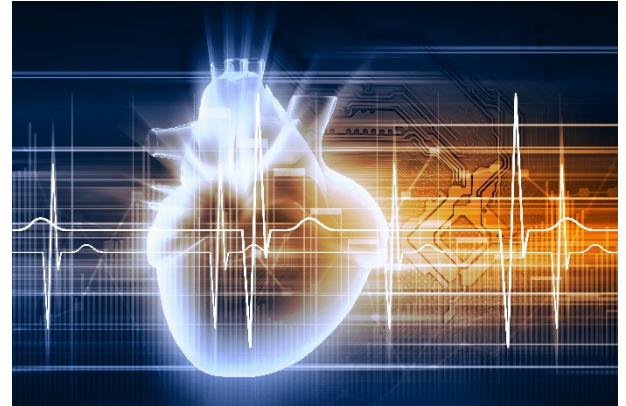
Cerner Integration

Be Shareable and Accessible



Cerner and Trinity Technology Group Health Interoperability Solutions

Trinity Technology Group (TrinityTG) supports Cerner to integrate and leverage client investments and to deliver complete health information and interoperability solutions. TrinityTG helps our clients integrate electronic medical record (EMR) data – simply and seamlessly – across diverse and specialized systems. Together, we work to ensure that health information is accessible, shareable, and accessible among primary care and hospital physicians, specialists, and patients and across government and technology platforms.





At TrinityTG we support and extend Cerner’s approach to interoperability. We have the experience and, alongside Cerner, the tools to advance patient care. We enable data transfer and tracking with ease across health care entities, technological platforms, and healthcare provider locations. We also implement solutions that allow medical facilities to share data with non-medical partners, all in a HIPAA compliant manner.


The Need for Health Interoperability


The ability to move data between providers, technology platforms, and government entities is one of the greatest challenges that government faces today. Many legacy systems, built to meet one set of business rules, are inflexible and lack data sharing capabilities. Even when the infrastructure is in place to achieve data transfer, too often the data is compromised as it transfers. This results in duplicate key entry, missing or incomplete data, lost billing information, and inconsistencies in timing, definition, and interpretation of data. Cerner and TrinityTG build solutions that enable data to travel quickly and smoothly across systems.


TrinityTG has a strong team of health interoperability experts with skills in the following areas:


 Maintaining in-depth knowledge of data standards HL7 v.2 and v.3, CDA, ASC X12, and FHIR.

 Sharing insights on customizations made to facilitate messaging functions between healthcare applications.

 Reading and interpreting the data architecture of multiple systems, and mapping the data between them.

 Managing security and patient data in accordance with HIPPA Compliance law.

 Facilitating process modeling and mapping between numerous distinct systems.

 Designing, building, and implementing an Enterprise Service Bus.

Health Information Exchange

TrinityTG and Cerner provide a Health Information Exchange (HIE) to overcome the pitfalls that come with having fractured and disparate health systems. With HIE we enable healthcare professionals – from doctors, to nurses, and pharmacists – to securely and rapidly access and update patient information electronically. HIE also allows organizations and their systems to securely and accurately share patient data across connected sources through highly secure web-based interfaces.

By introducing HIE to your clinic, we can ensure access to comprehensive and aggregated patient data, including the exchange of CCDs, PDFs, HL7 messages, scanned documents, H&Ps, discharge summaries and clinical notes.

What We Can Achieve Through Interoperability



Transmitting Data across Systems

We successfully transformed and facilitated two-way transmission of medical record information, patient demographics, and appointments between Cerner's EMR and legacy custody systems for nearly 150,000 inmates in California's state correctional system.

Data Warehouse and Analytics

We have built multiple health-centered Data Warehouses that show patient histories going back more than ten years. This combines data from legacy systems as well as from their new Electronic Health Records Systems. Having this data available greatly reduces rework, saves money, and creates continuity of care for patients.



Legacy Integration

We integrate legacy systems by utilizing web services, data mapping, and application wrappers to transform application outputs. These outputs are sent through the HIE to create standardized messages that Cerner's EMR can consume. Conversely, we then take outbound messages from Cerner's EMR and transform them into message types that legacy systems understand. This greatly increases the value of legacy systems by enabling historic health data to be used in new, modern applications.

Trinity Technology Group
Trinity Technology Group has been building working IT solutions that solve real business problems for over 16 years in Sacramento. Our team of talented professionals – from business analysts to seasoned developers, quality assurance analysts to project managers – work hand-in-hand with you to create formal plans for each critical process and to deliver the solution your department needs.