

eZintegrations™

Integrating EHRs using FHIR Data Models



Healthcare is one of the market's growing industries. Because it promotes public health and well-being, the healthcare industry is critical to economic growth and development. However, the healthcare industry faces a number of challenges, including rising prices, medical gaps, and complex regulatory requirements. There is a rise in data as the labour, technologies, and customers grow.

The Challenges

The healthcare sector is facing a variety of difficulties that might have an influence on the quality and accessibility of service. One such difficulty is the rising expense of healthcare, which can make it difficult for people to get critical treatments and services.

Another issue is a lack of patient participation, which can lead to inferior outcomes. Healthcare regulatory changes may also be a difficulty, as healthcare organizations must keep up with changing legislation and compliance standards. Implementing sophisticated health technology is another difficulty, as it might necessitate considerable investments in technology, equipment, and manpower.

Furthermore, insurance and payment systems can be difficult to navigate, making it difficult for patients and healthcare providers to access and receive payment for healthcare services. Another concern is health information overload, which can contribute to confusion and fragmentation in the healthcare system.

Healthcare labor shortages can also be an issue, since there may not be enough healthcare employees to meet the growing demand for healthcare services. Ageing infrastructure may also be an issue, since outdated equipment and facilities can have an impact on the quality and efficiency of care.

Finally, information and integrated health services can be challenging to construct and administer since healthcare companies must ensure interoperability, data security, and cost-effectiveness when developing and managing health information systems.

Data Source for EHR

- HL7
- Google Cloud
- Azure FHIR for Healthcare
- Cerner
- Allscripts
- Athena Health

Business Benefits

- Healthcare Data Management
- Complete accessibility to patient information from any location
- Increased patient engagement
- Increased coordinated care and better diagnosis
- Data privacy and security
- Meeting regulatory obligations
- Cost-cutting measures and increased efficiency

How Bizdata can help?

With eZintegrations™

- Get APIs enabled from various EHR systems to connect with one another via an array of standardized FHIR protocols.
- Ability to connect multiple data sources with different data formats.
- Get real time data. Ensure data privacy by encrypting data.
- Get consistent, complete and up-to-date data.

Solution

The easiest way to address all of the difficulties raised is to incorporate data into EHRs (Electronic Health Records) using the FHIR data standard.

EHRs (Electronic Health Records) are digital copies of medical records that may be viewed by authorized healthcare professionals. They provide complete medical information of a patient from medical history to treatment history along with the current medication being taken by the patient, making it easier for the healthcare professionals to provide personalized care.

FHIR is a robust and configurable framework for healthcare data sharing that is designed to be easily integrated with other healthcare technology. This makes it an excellent choice for EHR systems since it allows for easy integration with other healthcare systems such as medical imaging systems, laboratory information systems, and others.

Using FHIR, various EHR systems can connect with one another to transmit patient data in real time. This is especially significant when a patient visits multiple healthcare providers who may use different EHR systems.

Using the FHIR data architecture to integrate data from several sources into an EHR is a useful tool that provides healthcare practitioners with a full view of a patient's medical history, current challenges, and continuing treatment plan.

FHIR and EHR systems can work together to improve medical service delivery and patient satisfaction by expanding interoperability, increasing patient engagement, giving more informed choices, and increasing efficiency.



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For more information about Bizdata Appliance, visit www.bizdata360.com or call +1-650-283-1644 to speak to an Bizdata representative.

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With Bizintel360™

- Get interactive dashboard, intended to be extremely configurable with various modules and widgets that may be added or discarded based on the needs of the provider.
- Get improved diagnosis, more effective therapy, and improved patient outcomes.
- Offers healthcare practitioners with valuable data analytics and reporting abilities.
- Can delve into individual data points to obtain more detailed information.