Client Requirements

Client is a leading provider of enterprise technology solutions, including BI, analytics and clinical integration platforms, for healthcare providers.

Client wanted to extend its BI capabilities to include clinical quality measure (CQM) analytics and reporting to help providers meet complex and new regulatory requirements (MU, PQRS, ACO, VBP, etc.). The solution also needed to seamlessly integrate with client's existing modules and source systems.

To meet these objectives, client leveraged CitiusTech's BI-Clinical platform and expertise in healthcare interoperability and clinical workflows to develop a cloud-based, scalable clinical analytics solution and provide powerful reporting and performance benchmarking capabilities to its end-users.

CitiusTech Solution

Requirement Analysis
To build a cloud-based solution, CitiusTech conducted a detailed assessment of client's existing environment including integration frameworks, tools and various client data sources.

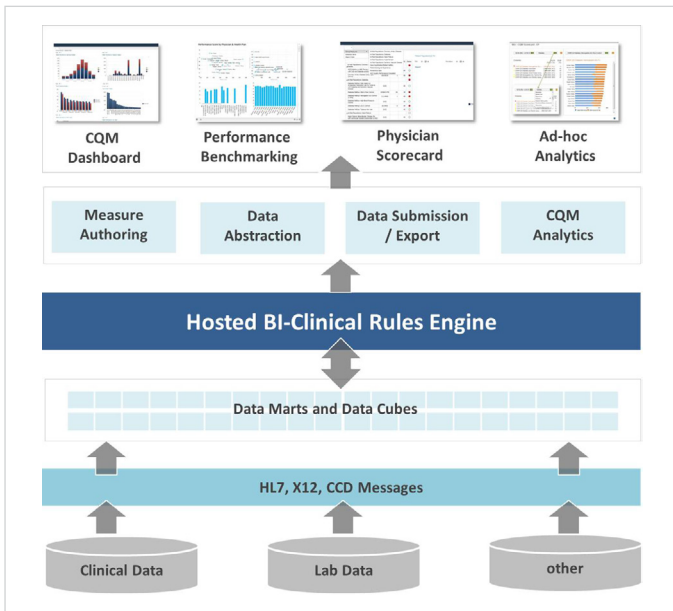## Hosted BI-Clinical for Healthcare BI/Analytics
Client leveraged BI-Clinical to address key clinical quality initiatives. CitiusTech put together a team of BI architects, clinical informatics and interoperability experts to design and build a HIPAA compliant, cloud-based clinical analytics solution for the client. The solution design and development included:

- Cloud-based deployment to support easy availability to key customers
- Configurable BI-Clinical Rules Engine and pre-configured measure groups to address key industry initiatives - Meaningful Use, PQRS, ACO, PQRS, HEDIS, etc.
- BI-Clinical Rules Engine to implement custom dashboards and scorecards to monitor and benchmark provider performance
- Measure authoring tool to add standard and custom built measures
- Standards-based and source system specific adapters (HL7, X12, CCDA, QRDA) to integrate clinical data process
- Integration with cloud-based multi-tenant measure processing service
- Robust, healthcare standards-compliant data model to include clinical data elements required for CQM reporting
- Powerful reporting capabilities and rich visualizations with additional drill-down capabilities

Value Delivered

By partnering with CitiusTech, the client was able to:

- Leverage CitiusTech's BI / analytics and cloud expertise to successfully implement a hosted clinical analytics platform
- Leverage BI-Clinical's pre-built KPIs and advanced analytics capabilities and develop measure sets quickly and efficiently
- Build a flexible and robust healthcare data model that could process high volumes of data
- Leverage CitiusTech's integration expertise to interface with existing modules
- Build a scalable solution for additional use cases, customised measures and future clinical quality initiatives

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About BI-Clinical

BI-Clinical, CitiusTech's healthcare BI and analytics platform, demystifies clinical quality reporting by offering an extensive suite of pre-built apps and 750+ KPIs around clinical, financial, operational and regulatory areas – the largest in the industry. BI-Clinical enables healthcare technology companies, providers, payers and life sciences organizations to generate actionable BI and build integrated clinical and financial analytics. BI-Clinical is certified for all Meaningful Use and HEDIS 2018 measures and covers a wide range of quality measures including PQRS, ACO, HCC, CMS Star, VBP, PCMH, etc.

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