

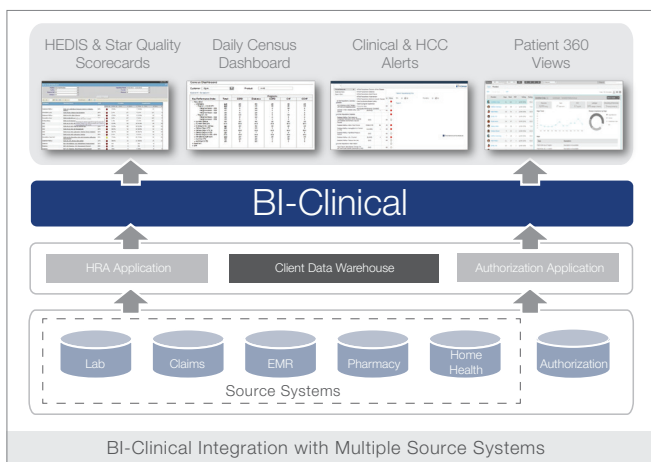
Case Study: BI-Clinical Control Center for Population Care

Client Requirements

Client is a leading health plan and clinical services provider, focusing on delivery of both inpatient and outpatient care for its population. In order to meet HEDIS and Medicare Star requirements, client needed a powerful reporting and analytics solution that would integrate clinical and payer data from multiple source systems and provide standard reporting interfaces.

In addition, to improve utilization and population health processes, client wanted to develop a custom control center that provided real-time information of patient and population health. The control center would be used by the client for remote monitoring, early interventions and putting a health risk assessment process in place (to capture health history during enrolment).

To meet these objectives, client leveraged CitiusTech's BI-Clinical solution to implement a scalable on-premise BI and reporting solution to build powerful integrated analytics capabilities that could drive key use cases like daily census and clinical alerts.



CitiusTech Solution

CitiusTech put together a dedicated team of healthcare domain consultants, BI/ reporting specialists, clinical informatics experts and UX professionals to develop a state-of-the-art control center and deploy the BI-Clinical solution for HEDIS and CMS Star reporting.

Key BI-Clinical Use Cases Implemented

- Physician scorecards and quality dashboards for HEDIS and Star quality measures
- Daily census dashboards with map-based interfaces for geographical drill downs
- Clinical alert, HCC alert and Patient 360 dashboards
- Data quality monitoring, management and audit logging features

Implementation

The BI-Clinical implementation team conducted a detailed analysis of the client's existing IT environment, including clinical, financial and operational data sources and integration requirements. The BI-Clinical deployment included the following services from CitiusTech:

- On-premise deployment to enable easy availability to key customers
- Configurable BI-Clinical Rules Engine to address HEDIS requirements
- BI-Clinical Rules Engine to implement custom dashboards and scorecards for daily census, clinical and HCC alerts and patient 360 views
- Health Risk Assessment (HRA) module to capture patient data during enrolment, provide appropriate intervention and generate a patient-centric care plan
- Census, HEDIS, HCC and clinical alert scorecards for advanced analytics to monitor provider performance
- Map views for easy geographical drill down

Value Delivered

By partnering with CitiusTech, the client was able to:

- Successfully implement an on-premise solution for HEDIS and CMS Star reporting
- Leverage BI-Clinical for key use cases like remote patient monitoring, clinical alerts, care coordination and population health management
- Reduce the Per Member Per Month (PMPM) cost through early intervention and detection
- Considerably improve Risk Adjustment Factor (RAF) scores by identifying high-risk patients
- Build an analytics solution that could scale easily for additional use cases, customised measures and future clinical quality initiatives like Meaningful Use Stage 3, PQRS, etc.

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About BI-Clinical

BI-Clinical, CitiusTech's healthcare BI and analytics platform, demystifies clinical quality reporting by offering a range of configurable apps that cover 600+ 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 2016 measures and covers a wide range of quality measures including MIPS, PQRS, ACO, CMS Star, VBP etc.

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