

Innovaccer FHIR® enabled data activation platform (DAP)

We help Healthcare organizations care as one.

Why Innovaccer?

Innovaccer is helping healthcare organizations drive efficiency with its data activation platform and suite of curated solutions.

United Patient Record –

Integration with 200 disparate systems to create a unified longitudinal patient record.

Integrated Care Management –

Event and data-driven, collaborative care management.

Population Health Analytics – Cost mitigation based on utilization of services to manage and coordinate care efficiently.

AI-powered Decision Support & Engagement –

Intelligent automation assistance to improve efficiency and reduce physician burnout and automated and intelligent outreach to build deeper patient relationships.

Challenges: The disconnected Healthcare journey

Our healthcare system still struggles to unify patient data from across multiple sources and identify what information should be captured to understand a patient holistically, and how best to engage a patient in a conversation that uncovers this information. Without a complete patient picture, gaps in care and communication, medication use, referrals for additional services, and follow-up appointments can fall to the wayside, which in turn can lead to poor clinical outcomes and negative patient experiences.

Transforming Community Care with a Connected Care Framework

Innovaccer's FHIR®-enabled Data Activation Platform, a smart platform with unified patient records, analytics and decision support tools for healthcare use, helps healthcare providers and payers enable transparent, real-time, and collaborative care delivery. By helping their customers obtain that complete picture through a unified patient record, then activating the data for smart analytics and decision support, they provide care teams with the crucial information they need and enable them to provide better care. Using DAP, Innovaccer unifies patient records and leverages AI and analytics to automate routine workflows and reduce manual overheads to facilitate more patient-centered care.

Product features

Data Analytics - With the FHIR-enabled Data Activation Platform, our customers can perform data analytics on huge data sets in less than a couple of hours. Most of our analytical needs are easily fulfilled by Redshift, and we use Spark jobs to power complex analytical models and predictive analytics, which runs on Spot Instances of AWS Elastic MapReduce (EMR).

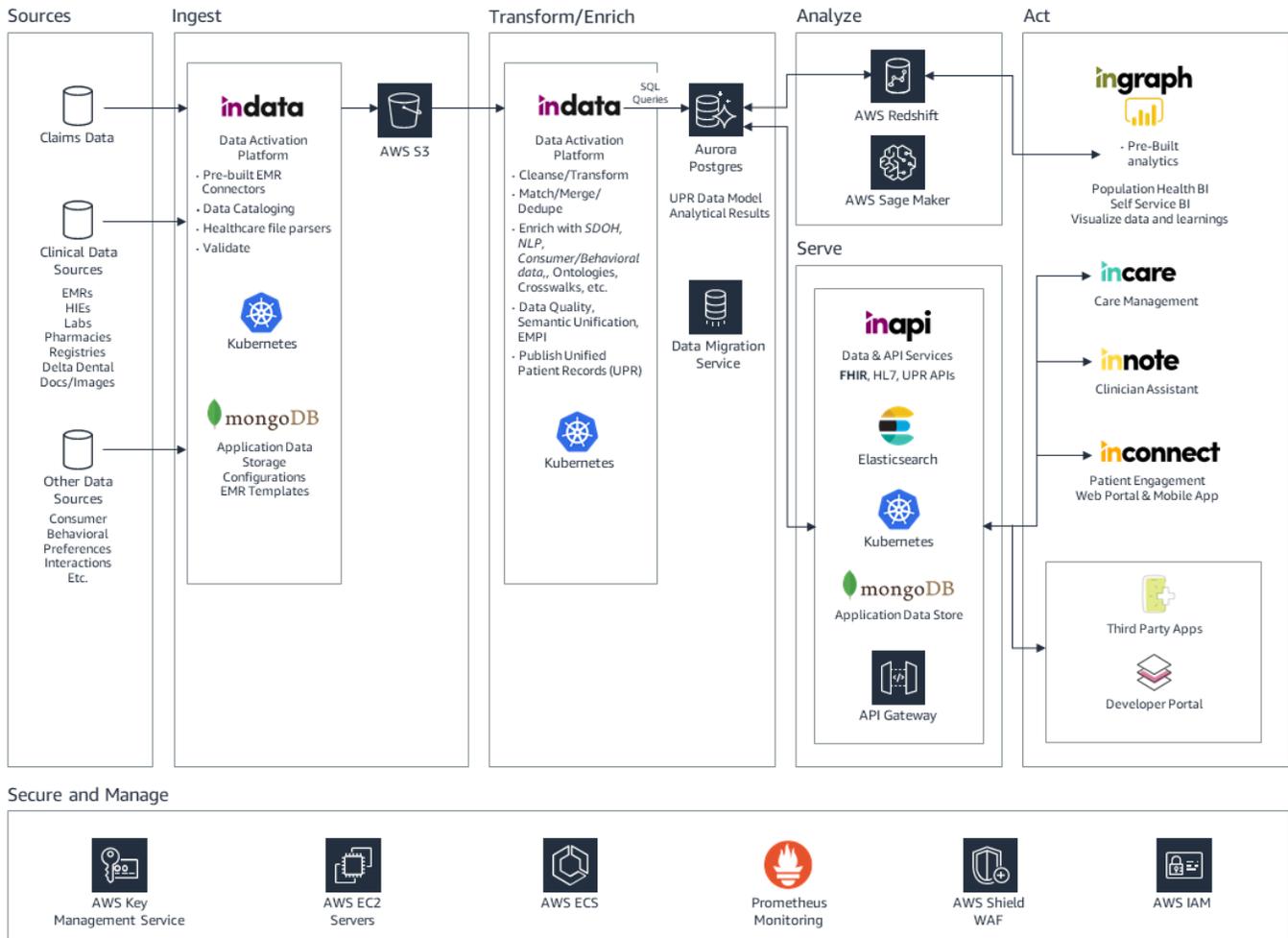
Data Integration - With AWS Redshift, Innovaccer was able to achieve the best-rated time-to-value in transforming data to analytics and delivering ROI. Providing the capability to build and run ETL pipelines using drag and drop modules, Innovaccer's platform could integrate data across multiple sources in about half the time compared to Industry standards and with 70% less cost.

Improving Customer Experience - A challenge that the infrastructure team faced with hosting and managing an in-house Hadoop cluster was the associated high infrastructure cost. Being deployed on AWS, Innovaccer could focus its attention on improving the customer experience instead of having to worry about infrastructural overhead and data security concerns.

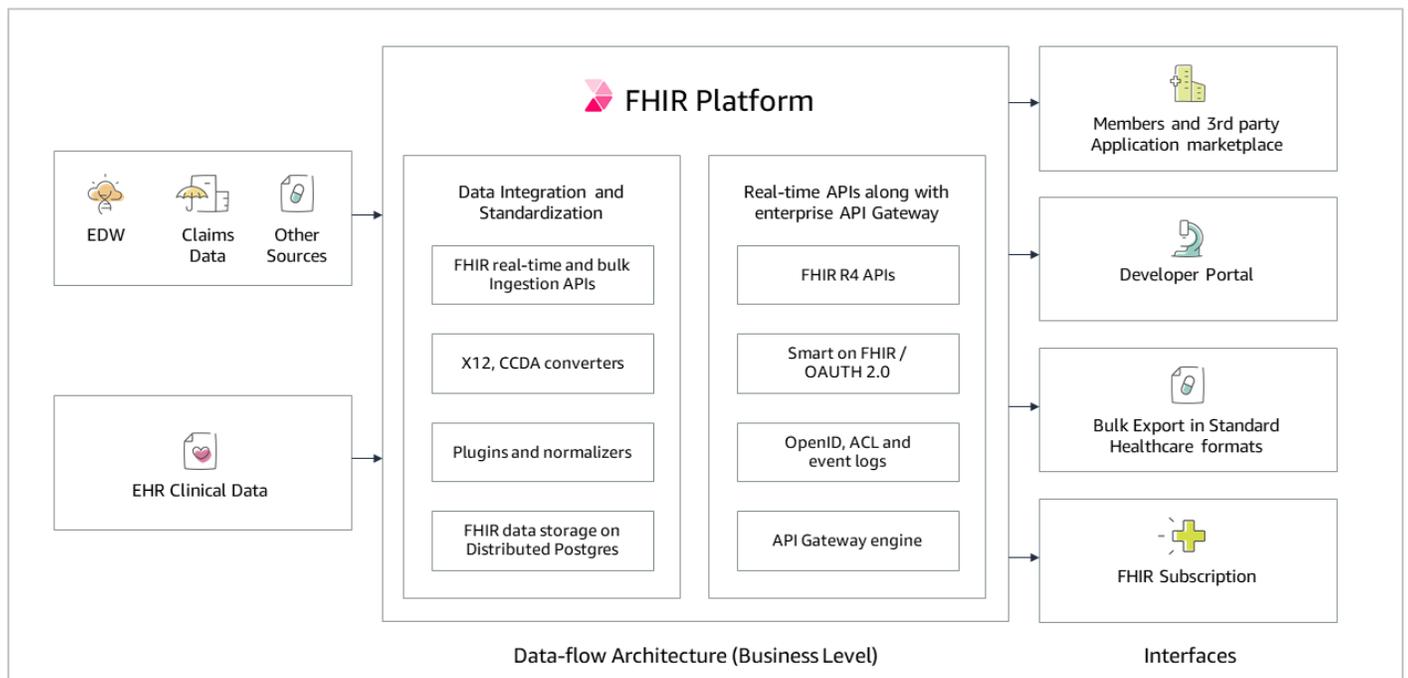
Scalable Technology - To ensure seamless operations, we leveraged AWS-managed services to manage the cluster and help us scale our operations up and down dynamically (and with ease).

How it works

Innovaccer uses a range of AWS services to support the cloud version of its data activation platform to seamlessly enable data integration and offer customized analytics modules. Innovaccer has deployed Amazon Relational Database Service to store user credentials, Amazon Simple Storage Service to ingest and integrate data coming from multiple sources, and Amazon Elastic Compute Cloud to perform cutting-edge analytics and surface the most accurate and relevant insights. Currently, Innovaccer is running a proof of concept for integrating AWS Lambda into the services stack and utilizing the serverless-computing technology to manage the process of data ingestion.



How it works (continued)



MercyOne Iowa Case Study



Challenges

Their challenges included: patient data housed in numerous sources (EHRs, ADT/HIE/claims feeds etc.); absence of a common standard for storing/sharing patient data; inability to identify missed or erroneous codes; decentralized care coordination staff; complicated workflows etc.

Solutions

Innovaccer's FHIR-enabled DAP and InCare allowed them to accelerate their transition to VBC, optimize care and cost outcomes, and leverage an event-driven patient engagement strategy. The AWS services they leveraged include: Redshift, EC2, Route 53, SQS, VPC, Snowball, S3.

Results

They were able to intelligently assign patients across the care management staff and track their performance and outcomes in real-time. Personalized care plans allowed them to plug care gaps, reduce 30-day readmission rate by 7.14%, generate millions in shared savings, etc.