

Background

Introduction

Cloud Care is dedicated to providing tools for administrative personnel seeking better means of data aggregation and analytics.

This document will outline how Cloud Care utilizes data and technology to streamline the way providers, health plans, and researchers work together can exchange and analyze data while simultaneously aiding process and performance improvements.

Data: Past, Present, and Future

Public sector initiatives to standardized healthcare data have been implemented over the last decade. More recently, ONC guidelines expand on new priority data domains. This will include imaging reports, genomic data and unstructured data; which would comprise of the notes and narrative that are needed to support clinical care, quality measurements, research, and many other use-cases.

CMS has already initialized the transition to value-based payment model as the dominant mode of reimbursement for providers. This ongoing initiative and continuous quality improvements are key imperatives behind the adoption of interoperability and better data management practices.

Challenge

Digitization of healthcare has presented providers and institutions with an abundance of data that was not previously available. This is becoming more prevalent due to the rapid increase of data generated from mobile health, genomic sequencing, and Electronic Health Records (EHRs/EMRs).

Data management problems are exacerbated by outdated, technologically inadequate legacy systems that make it difficult for enterprises to take full advantage of their data. Disparate systems worsen information asymmetry with incomplete, irrelevant, or inaccessible data; forcing analysts to put focus on janitorial work instead of data science.

Impact on Community Health Centers

CHCs and Look-Alikes are required to provide Uniform Data System reports annually. These reports must include patient information aggregated from a multitude of sources and data formats.

Inability to get a complete view of organizational data can negatively impact the quality of care and financial health of a health center.

Technology

Retrieve, Organize & Interpret Data on One Platform

Cloud Care provides database architecture and a business intelligence platform built specifically for healthcare - delivering data without confusion or friction to the end user.

Healthcare data heterogeneity makes established databases an inefficient option. Cloud Care database schema manages both hierarchical and structured data in an XML clinical framework that can handle industry data standards and joins clinical and non-clinical systems.

Benefits

Why Cloud Care

What differentiates Cloud Care from other IT vendors is our unique approach at providing a system-agnostic platform opposed to another application that creates more silos, generating more friction and financial waste.

Improved Analytics

Our ETL engine frees analysts, database administrators, and quality improvement specialists from the hassle of wrangling and cleaning data. Since data is normalized and harmonized, reporting that used to take days or weeks can now be completed in minutes.

The context and reproducibility of a quality data set allows users to deliver the impact promised by big data in a number of unique use-cases.

Economical

Cloud Care provides cost-effective data storage solution that is extensible and elastic. Because compute is decoupled, you only pay for what you use.

Shifting resources away from a costly and time-consuming build-out frees wasted capital expenditure and let's your organization maintain system flexibility and optionality in the future.

Secure & Compliant

Our end-to-end solution is HIPAA compliant and secure. Data access is strictly governed and granted through pre-assigned Identity and Access Management protocol. Since the data exchange is permission based, sensitive information is never transferred and competitive distance is maintained.

Additionally, backups can be automated adding an additional layer of redundancy to your off-site storage as a means of disaster recovery.