SUTHERLAND HEALTHCONNECT
ON GOOGLE CLOUD PLATFORM

It's well-known within the healthcare industry that patient clinical and financial data is scattered across multiple data silos, thereby making it nearly impossible to aggregate information required to make informed clinical decisions, let alone business decisions regarding hospital operations. Patient data is fragmented across the care continuum, owing to provision of care through disparate provider entities that store their data on different data systems, with minimal to no data interoperability.

To make matters more challenging than they already are, there is a growing trend of expansion of healthcare provider entities, through mergers and acquisitions, leading to multiple disparate healthcare applications and data sources being brought into the fold. This has resulted in a multitude of challenges within operations and patient care. And finally, the unintended manipulation and interpretation of data at multiple decentralized data sites creates redundancy and fatigue in the business and care delivery processes, resulting in life threatening errors for patients, as well as cost-intrinsic errors for operations.

Adding fuel to the fire, these disparate systems and non-standardized data sets are now being asked to work together to create a better healthcare system for everyone. But how do we get to that point when many large health systems don't even have the same systems or data protocols within their own networks? This is where **Sutherland HealthConnect** and **Google Cloud Platform (GCP)** come in.

Sutherland HealthConnect's Three Transformational Capabilities

Sutherland HealthConnect, deployed on GCP, is comprised of three transformational services:

- **Data aggregation** – the gathering of all relevant patient data from disparate data sources and aggregating it in a single database.
- **Data stratification** - the process of validating, cleansing, and standardizing the aggregated data into logical blocks of information.
- **Analytical insights** – by having all the standardized patient data in one place, Sutherland HealthConnect then provides a venue for various analytics engines to help evaluate, analyze the data, and create actionable insights for health providers.

Sutherland HealthConnect Use Cases

- An underlying component for all solutions and integrated offerings from Sutherland Healthcare, to enhance accuracy, efficiency, and productivity.
- A feed to a high-end internal analytics engine, providing insights to the decision-making stakeholders, including physicians, to improve financial and clinical outcomes.
- A platform that provides for data aggregation and stratification based on defined rules, which is then consumed by upstream applications and platforms created by independent software vendors (ISVs) in the healthcare ecosystem.

> Sutherland HealthConnect is a plug and play platform that is capable of assimilating data from disparate data systems through its prebuilt electronic data interchange adapters.
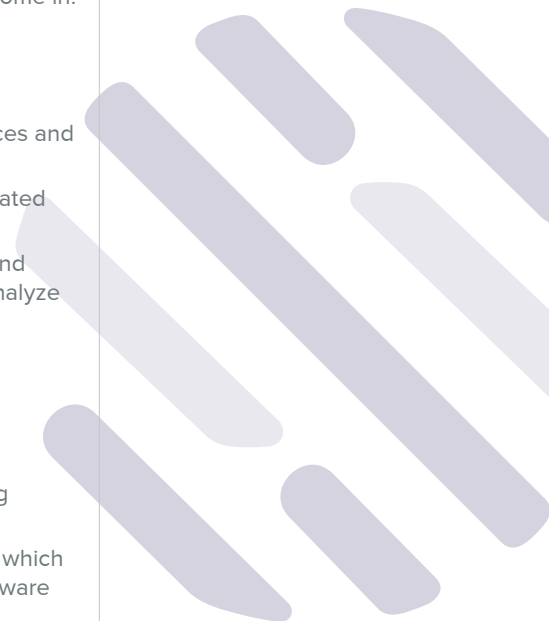
Benefits

Sutherland HealthConnect, a plug and play platform, through its capability to assimilate data from disparate data systems through its prebuilt electronic data interchange (EDI) adapters, can help clients by providing:

- Access to unified client data for better:
    - Monitoring and improvement.
    - Analytical insights for process improvements.
    - Regulatory compliance.
    - Customized role-oriented reporting / dashboards.
- Creation of a 360-degree view of the patient across clinical events and financial transactions in one place, thereby enhancing quality of care delivered.
- Scope for scaling operations and integrating new entities, with minimal to no effort.
- A venue for process improvement, eliminating redundancy, and thereby helping enhance performance, accuracy, and throughput.
- Transparency and visibility for clients into real-time operations.
- A venue for value enhancement and strategic partnership with the client.

Unique Components

- Prebuilt electronic data interchange (EDI) adapters that can readily latch on to most of the known financial and clinical applications in the healthcare value chain, and siphon off data from them.
- Data mapping and validation of the data pre- and -post migration by a team of clinicians, trained in extract-transform-load (ETL) processes, which helps to avoid any data migration challenges once the migration is complete.
- Ability to aggregate data from disparate systems and create a single record for a patient from the fragmented data which can then be effortlessly consumed by upstream and downstream applications.
- Self-service business intelligence (BI) that allows for slicing and dicing of processed data, based on defined and ad-hoc use cases.
- High flexibility/malleability of the solution to incorporate any new data source in a timely manner.

Google Cloud provides security, compliance, and scalability to support innovation in healthcare — while also respecting privacy and data locality. Through advanced APIs, Google Cloud Platform delivers expressive, semantic interoperability, which improves IT productivity and, ultimately, quality of care. With a better flow of data, Google Cloud can help inspire and support new discoveries powered by artificial intelligence (AI) and machine learning (ML).

Sutherland's approach to GCP:

1. We deliver a customer-centric approach that provides solutions and deployments unique to each client.
2. We are 100% focused on customer success. Our incredible depth of understanding of the service environment ensures our customers achieve their desired outcomes.
3. We believe in relationship-focused outcomes for our clients and their customers, and for Sutherland. We design our partnerships for a win-win-win.
4. We work with global leaders in almost every major industry, leveraging our deep domain knowledge and GCP's secure, open, collaborative, and intelligent technology, in every combined interaction.

To learn more about how Sutherland and Google Cloud can help, please contact us at **googlecloud@sutherlandglobal.com**, visit us at **www.sutherlandglobal.com/googlecloud**, or call **1-800-388-4557** ext. **6123**.