Leading-Edge Methodologies Optimize Speed to Value

The **Springbuk Intelligence Engine™** consists of tools that give Springbuk the ability to directly consume data, allowing us to run multi-source data on-demand with increased flexibility and visibility. Our Intelligence Engine assures that the data our clients view in the Springbuk platform has the integrity to represent the true story of their population's health.

Flexible Integration for More Data Sources

Upon receipt of all data for a client, whether it be medical claims, Rx claims, biometrics, lab values, etc., these files are validated through a raw check to ensure all necessary data components are present to begin mapping.

Robust Data Warehouse Tools to Ingest and Normalize Data

Quality begins upon receipt of data files from health benefits vendors. The Springbuk platform assesses the raw files to determine missing fields, invalid codes, data type issues, and formatting issues. Next, our robust mapping and normalization automation inspects the data for out-of-range values, rule-based constraints, and consistency indicators.

Following claim matching and enrichment, Springbuk can perform sophisticated trend analysis, ratio validation, and other statistical techniques at the member, client, vendor, and – or portfolio level. Only the data that passes the thresholds in our data quality report is loaded to the platform. Client or Vendor data that does not pass results in investigation by our data support analyst and, often, interaction with the data vendor.
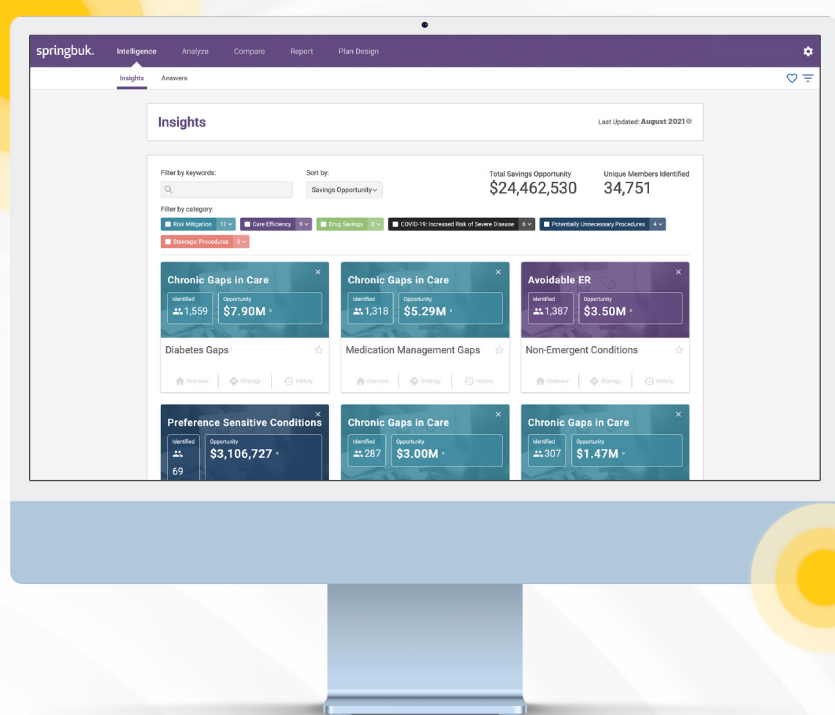
Enriched Health Analytics Using Best-in-Class Clinical Augmentation

Enrichment of the data takes place by incorporating industry-standard episode grouping, risk grouping, and evidence-based medicine. Then we go deeper to further enrich the data using proprietary Springbuk data science methodologies.

Visualize Your Data with Health Intelligence

Our Intelligence Engine was built for the healthcare data demands today and influencing health data processing in the future –so you can drive intelligent, actionable insights that optimize impact to your population for years to come.

Within the application, we curate and bring the biggest opportunities immediately to the fore-front. We also enable deep analysis using Springbuk Advanced Reporting – providing you with access to the raw data to slice, dice, and build custom reports in a more traditional data warehouse environment, offering you further flexibility, accessibility, and customization you need to make important data-driven decisions.

We inspect client data over time, using hundreds of quality checks, to look for unusual patterns such as significant increases/decreases in spend or enrollment and any missing data. We also **look for contradictory or conflicting changes in data,** such as enrollment and spend moving in opposite directions.

Whenever we discover an issue with the data, **we will make a change in our mapping or framework** to prevent this from happening in the future, or we will make a quality rule to ensure this issue can be detected.

For more information about the Springbuk Intelligence Engine™, visit: **springbuk.com/data-quality**