Improving Financial Performance in Healthcare with MDM Solutions

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The high cost of low quality data is something many healthcare organizations can't afford to absorb. With an MDM solution, Accountable Care Organizations, Health Information Exchanges and organizations involved in merger or acquisition can standardize and pool critical data into a single database, then pull from this common point of reference for accurate reporting and management. With better data and less time wasted, the net return is seen in lower labor costs and more effective performance against ACO contracts.

While the business of healthcare is driven by many complex issues, underlying everything is the capturing, sharing and analyzing of critical information. ACOs and other value-based reimbursement methods increase the importance of data quality. However, variability among data sources makes achieving this difficult using traditional ETL (extract, transform, load) methodologies. An MDM solution improves the quality of incoming data while providing more efficient data management when variations occur, increasing the overall ability of the organization to effectively monitor and report on ACO-related performance objectives.

Byte Sized Solutions has the expertise in healthcare technology to thoroughly guide the MDM planning and implementation process, and respond creatively to any challenges and obstacles that occur within the project. Improving healthcare through technology; it's what we do.

ByteSizedSolutions

Key Benefits of an MDM Solution

By channelling cross-organizational data into a master database with integrity assurance, an MDM solution helps ACOs and HIEs gain more efficient access to reliable business intelligence, allowing for faster reporting and smarter analysis. Other key benefits include:

Data Integrity : Having a single point of reference means there are no conflicting instances of data and no need to figure out which instance is the "source of truth." Audit trails let you track changes over time and verify the integrity of a given piece of data.

Documentation Capabilities : Tracks information about the system and the populations and process that run through it. Documentation is integrated into the system and easily accessible store with tagging

Data Lineage : Allows you to track how individual pieces of data get into the master set and trace back any concerns to their original source.

Data Validation : Validate data across populations and run heuristic checks using historical records to get higher level insight into the accuracy and completeness of your data.

Process Lineage : Shows the routes that data can take through your system and helps with planning for schema updates.

Enhanced Onboarding : When adding in new populations of data, you'll have a map to give third parties direction into how best to provide you data. If they are missing the mark, you'll be able to show them how other third parties are working effectively with you.

Reporting Capabilities : Reporting across all populations at once becomes a simple task when data is stored in a master set. There's no need to create separate reports with separate logic for different populations—one master report can be generated per business need. This makes fair comparisons between populations easy, giving you insight you didn't have before.

Dashboard Visualization : Time to say goodbye to the email notifications filling up your inbox. Your dashboard gives you a bird's eye view of it all; letting you track the data health of your populations; step through all of the inbound, outbound and internal processes using the data; view any errors identified and what downstream process it will affect; check in on your server health, and more.
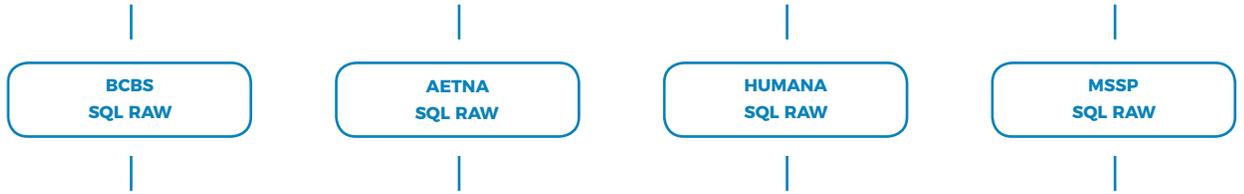
The Innovative Byte Sized Solution

An MDM is not an off-the-shelf project. It is highly customized to meet an organization's specific requirements, and as a result, is best deployed by providers that bring together a combination of healthcare domain knowledge, data integration tools and project management skills.
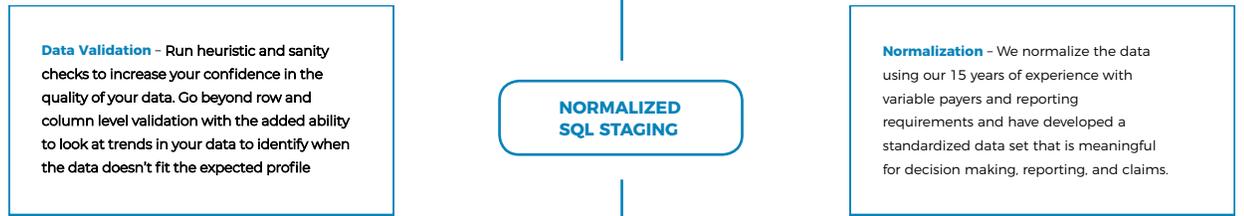
FILE LOADED INTO SQL

| BCBS SOURCE FILE | AETNA SOURCE FILE | HUMANA SOURCE FILE | MSSP SOURCE FILE |

| BCBS SQL RAW | AETNA SQL RAW | HUMANA SQL RAW | MSSP SQL RAW |

NORMALIZATION

A bridge from segmented data management to one central, standardized system

Data Validation – Run heuristic and sanity checks to increase your confidence in the quality of your data. Go beyond row and column level validation with the added ability to look at trends in your data to identify when the data doesn't fit the expected profile

NORMALIZED SQL STAGING

Normalization – We normalize the data using our 15 years of experience with variable payers and reporting requirements and have developed a standardized data set that is meaningful for decision making, reporting, and claims.

1 X EXTENSIVE BUSINESS LOGIC

Business logic only needs to be applied once across all payers

Data Integrity – Having a single point of reference means there are no conflicting instances of data and no need to figure out which instance is the "source of truth."

Maintenance Savings - Reduced time spent on data maintenance.

NORMALIZED SQL PRODUCTION

Enhanced Reporting – Report across populations and providers.

Enhanced Onboarding – Payer to payer comparisons for data quality.

Reliability - Access to reliable and comprehensive data, providing a more holistic patient overview.

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