

# 11 REASONS YOU STILL NEED DATA PREP FOR ELECTRONIC MEDICAL RECORDS SYSTEM

Electronic Medical Records (EMR) and Electronic Health Records (EHR) have greatly improved data access, but efficient Revenue Cycle Management still requires significant data preparation to meet operational demands and health IT standards. This can be time-consuming and delay revenue collection. Altair's market leading data preparation tool Monarch enables healthcare professionals to save time, limit clerical errors, easily automate recurring processes in Revenue Cycle Management and collect revenue faster.

For years, Altair® Monarch® has allowed healthcare analysts to extract data from inaccessible and poorly constructed sources, like PDFs, CSVs, log files and text files for analytic and operational insights. Monarch also transforms data from database systems and machine-generated log files using pre-built data extraction models and automating time-consuming, error-prone tasks.



## 1. Easy to Use

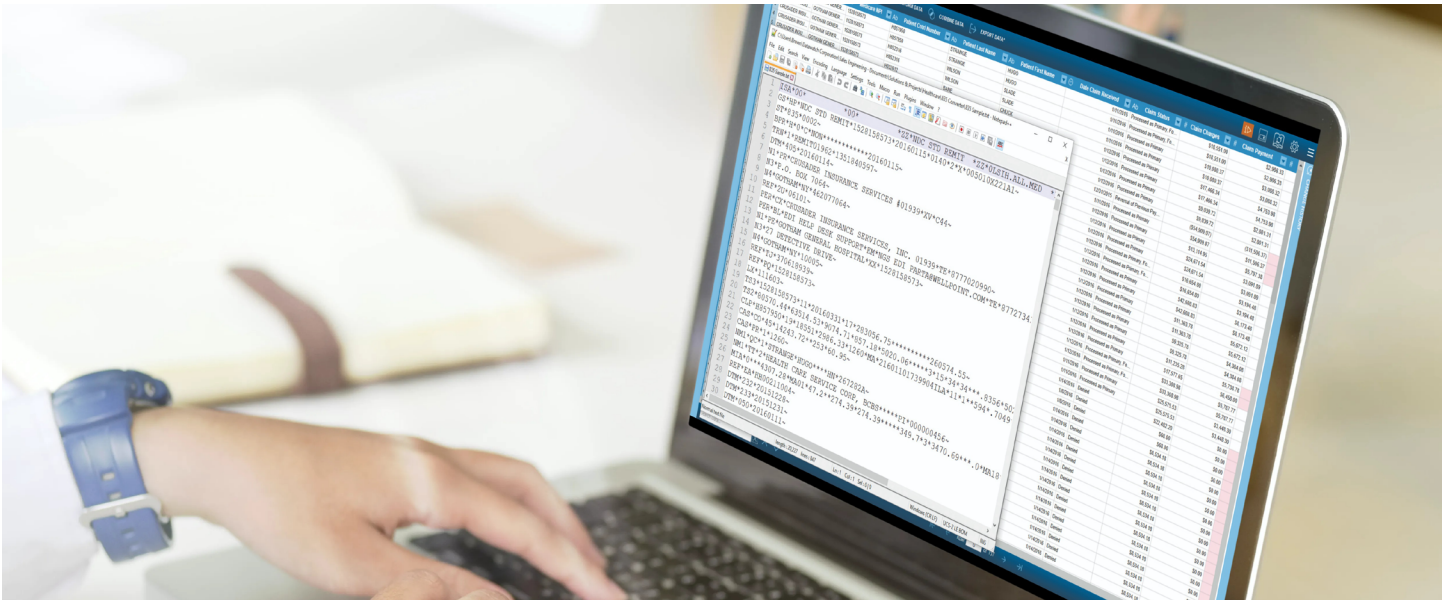
Monarch has an intuitive, Excel-like interface with click-based data preparation commands. This means no coding and less time in Excel with formulas, Macros or VLOOKUPS.

## 2. Pre-built Connections to your EMR and EHR Systems

Monarch has over 28 pre-built connections to native databases and third party solutions, such as Epic, plus ODBC and OLEDB drivers for additional connections to Patient Financial Management systems. These connections mean automated data extraction, preparation, blending and exporting, translating to less time spent on manual work and more time deriving insight and value.

## 3. Automatically Reformat and Blend your 835 Remittance Files

Messy 835 files are instantly transformed into rows and columns. Then, use predefined data transformation commands to instantly join the 835 Files with Claim Adjustment Reason Codes giving you a fast, comprehensive view of your Accounts Receivable. Filtering and Grouping options make it easy to review aging claims by account, payer, age, patient type, service line and/or procedure.



#### 4. Boost your Clean Claim Submission Rate and Reduce your Claims Denial Rate Models

Workspaces and Change Histories in Monarch remember all data transformation commands. For example, once you establish a process for identifying outstanding payments, Monarch completes all necessary data transformations and provides you with results in seconds. This means you can spend less time identifying past-due payments and more time on collecting outstanding revenue for your organization.

#### 5. Easily Reconcile EMR Data with Internal and External Information

EMR systems don't always communicate with EHR systems or outside organizations. Many hospitals have as many as 200 disparate systems under their technology stacks (EMRConsultant). With the Monarch click-to-join and Join Wizard, you can intelligently combine disparate information without coding - no more writing and re-writing VLOOKUPS, Macros or Functions in Excel. Bring together patient medical and financial data using the patient's name or ID number. Building the join once and automate it for all future cross-system reconciliations.

#### 6. Reduce the Number of Claim Denials and Prove Compliance with Affordable Care Act

"6 of 10 claims reviewed by the Medicare Recovery Audit Program in 2016 did not have an overpayment despite being identified as one... the claims appeal process is resource-consuming, costing more than \$10,000 for 43% of hospitals in the first quarter of 2016" (RevCycle Intelligence). Monarch automates the generation of claims and eliminates the potential for human error, reducing the likelihood of claims being denied. Eliminate costs associated with denied claims and accelerate revenue collection.

#### 7. Make your Data Actionable

KPIs on total encounters, total collections, number of procedures, charges and total adjustments only tell you so much as single data points. Blending this data enables Revenue Cycle professionals to fully understand successes and failures of their processes. Workspaces automate the grunt work of cleaning up and joining data (e.g. patient, billing, payment and claims information). Cutting manual work frees you to refresh important reports, like your Net Collection Ratio and Aging Accounts Receivable in minutes, rather than hours or days.

## 8. Prove that your Data is Accurate

Having a log of specific files and steps used to generate claims and reports is extremely important for effective Revenue Cycle Management. It can be nearly impossible to track every file, payment, order and claim being sent between patients, organizations and payers. Monarch's 'Data Lineage' and 'Change History' provide analysts with a complete audit trail for identifying and fixing errors quickly.

## 9. Scrape Data from Web Pages

Healthcare organizations are making huge efforts to digitize and centralize data to help improve patient care. 92% of patients nationwide leverage web-based patient portals to update information, schedule appointments, refill prescriptions or pay bills (PatientEngagementHIT). A lot of important patient information exists in these portals that must be reconciled with the main healthcare system. Monarch web scraping eases access and usability of this data for effective analyses.

## 10. Leverage Native Exports

Healthcare records need to be organized and shared with the right people effectively. Monarch allows you to pre-define exports of each report and automate the delivery of these reports to the right people and systems for accelerated decision-making and effective governance.

## 11. Go Green

Healthcare organizations are working hard to 'Go Paperless', but experts estimate that annual print volumes in healthcare are growing by at least 11%, even with paperless EMR and EHR systems. With Monarch, many of the hurdles associated with paper reports are eliminated. By digitizing report creation and analysis, healthcare organizations can improve operational efficiency and reduce the amount of physical paperwork.

### Access

Monarch is a vendor-agnostic platform in which users can easily access, clean and format data from the widest variety of sources without manual data entry or coding.

### Clean

After data is extracted and set into rows and columns, over 80 pre-built data prep functions allow users to manipulate data without writing code, scripts or macros in Excel.

### Blend

Monarch's sophisticated 'Join Analysis' uses pre-built models and algorithms to combine disparate, but related datasets based on common factors. No vLookups required.

### Audit

The 'Change History' and 'Data Lineage' functions within Monarch allow users to track exactly what happens to the native dataset. These logs allow for both governance and repeatability.

### Export

Monarch exports cleaned data to Excel, CSV and various visualization tools, streamlining the identification of revenue collection.

### Automate

'Models' and 'Workspaces' enable users to automate repeatable all phases of data preparation.



Learn more about Altair Data Analytics at [altair.com/data-analytics](https://altair.com/data-analytics)