

NO CODE, AUTOMATED DATA TRANSFORMATION

Altair® Monarch® is the fastest and easiest way to extract data from dark, semi-structured sources like PDFs, spreadsheets, and text files, as well as legacy data applications. For 30 years Monarch has helped healthcare customers save time and money by enabling people with different skill sets to transform data in seconds and automate workflows to produce standardized, shareable assets for optimizing strategic planning, streamlining operations, and managing resources and supply chains.

Manual data preparation is time-consuming, costly, error-prone and not repeatable. Studies find that:

- 25% of all healthcare spending, up to \$900 billion a year, is deemed wasteful. One-third of that waste is administrative costs from manually driven processes.
- 80% of time spent on data science projects is making the data ready for analytic use
- The average cost of poor data quality on businesses ranges between \$9.7 million and \$14.2 million annually
- Most organizations make business decisions using < 50% of structured data & < 1% of unstructured data

It is undeniable that trusted and accurate data preparation is more critical than ever to every project that will use data for decision making. Healthcare organizations need a simple but powerful solution that allows easy access to many data sources and formats and automates repeatable work without compromising the governance and the trust in the data.



With Monarch, Anyone Can:

- Clean and transform data with pre-built functions — no coding required
- Reconcile disparate reporting formats and legacy applications needed to achieve regulatory compliance
- Advance interoperability and reduce repetitive, manual effort with automated workflow models
- Construct a holistic view of patients by merging EMR, demographic, clinical, primary market research, and other disparate data sources into a workable format
- Track resources and patient data to anticipate need and deploy rapid and targeted responses
- Process influxes in new patient data to ensure accurate claims reporting
- Build trust in metrics with auditable change histories and clear data lineage tracking
- Export trusted data to reporting, analytics or visualization tools. Using Monarch Automator, feed data pipelines such as Oracle, SQL Server, DB2 and most data integration tools available today

Monarch's no code data preparation and analysis features enable people with different skill sets to access and transform data for better decision making.



Where We Help

Revenue Cycle Management becomes complicated and delayed by inaccessible data hosted in siloed and proprietary financial systems, in remittance files such as US-based 835 transaction files, claims paperwork, and third-party payment information from insurance companies and patients. Automate repetitive, error-prone processes associated with accessing and reconciling financial healthcare data, eliminating manual work, and accelerating the revenue cycle.

Reconciliation

Leverage automated workflows that minimize human interaction across the enterprise and automates financial reconciliation tasks. Consolidate thousands of reports and spreadsheets, standardize reporting formats and improve forecasting. Seamless integration with robotic processing automation (RPA) helps financial services drive out inefficiencies from back office operations and reduces costs.

Automated Regulatory Reporting

Mandated regulations require organizations to provide detailed reporting elements that include current and past data points. It is common for report outputs from legacy systems to be generated as PDF files. Monarch automates the extraction of required information, allowing organizations to access and clean information previously locked in PDF files, and combine it with other sources of data such as XML, HTML, text, spool and ASCII files found in records, invoices, sales reports, balance sheets and more.

Robotic Process Automation (RPA)

Altair fits perfectly with RPA initiatives by automating repeatable data transformation processes using models that ensure standardized report formats designed to meet end user requirements. Free up resources and reduce errors with a solution that augments RPA initiatives involving messy and difficult data formats.

Data Analytic Solutions from Altair

Altair enables people of different skill sets to easily build analytical applications, or augment analytics into existing applications to make better decisions.

Data Preparation: Altair's desktop and browser-based solutions offer a collaborative workspace for users to share work in a governed, secured environment while tracing every step made during the transformation process. Automate data transformation tasks and pass trusted, accurate datasets to Altair's Machine Learning solutions to solve for complex problems.

[Learn more about Data Preparation](#)

Predictive Analytics and Machine Learning: Our predictive analytics and machine learning solution is known for the rapid visualization of data and the ability to share insight quickly across the enterprise. Data scientists and business analysts can focus on interpreting insight that comes from data rather than having to waste time on building models via code.

[Learn more about Predictive Analytics and Machine Learning](#)

Big Data Analytics: Altair's advanced analytics software on the Apache Spark framework provides businesses with unprecedented analytics and data processing capabilities that overcome challenges encountered with Big Data access and insight discovery. An intuitive and interactive experience means users can transform and analyze billions of datapoints in a manner of minutes, leading to quicker and more informed decisions.

[Learn more about Big Data Analytics](#)

Data Visualization and Stream Processing: Altair's lets business users — the people closest to the action — build, modify, and deploy sophisticated streaming analytics and data visualization applications without needing to code. They can connect to virtually any data source, including real-time streaming feeds and time series databases, develop complex stream processing programs, and design visual user interfaces that give them the perspectives they need to make insightful, fully-informed decisions based on massive amounts of fast-changing data.

[Learn more about Data Visualization and Stream Processing](#)

To learn more, please visit altair.com/data-analytics

