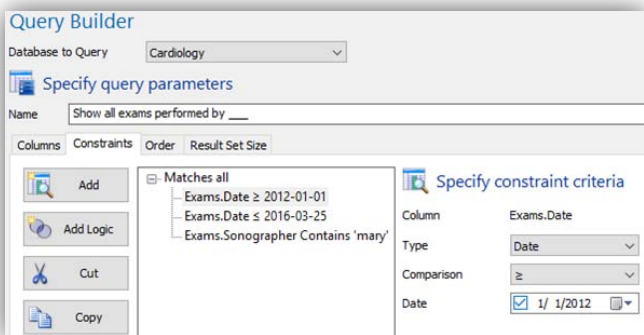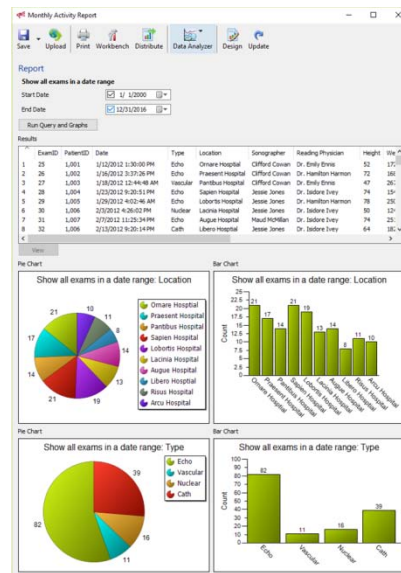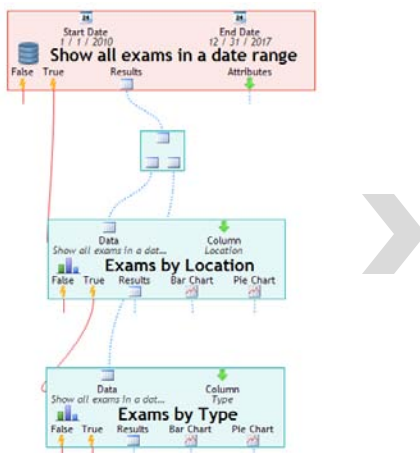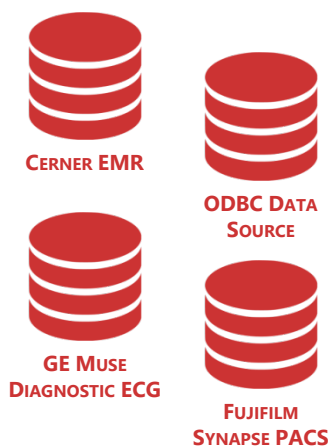# INFORMATION CENTER
Powered by the Unit Modeler Platform

Information Center is a **new breed of solution**, built on our patented Unit Modeler platform, that provides healthcare institutions with tools for solving the most demanding information problems

CERNER EMR

ODBC DATA SOURCE

**GE MUSE DIAGNOSTIC ECG**

FUJIFILM SYNAPSE PACS

QUERY
Query Builder enables the creation of powerful queries through an easy, highly visual interface. Knowledge of SQL is not required! Point-and-click user interface. Save as a "Form Query" to automate future queries.

ANALYZE
Data Analyzer is a set of tools for analyzing query results or data imported from a spreadsheet. It provides tools for cleaning, editing, analyzing and visualizing your data. Export data to a spreadsheet or save to a Workspace.
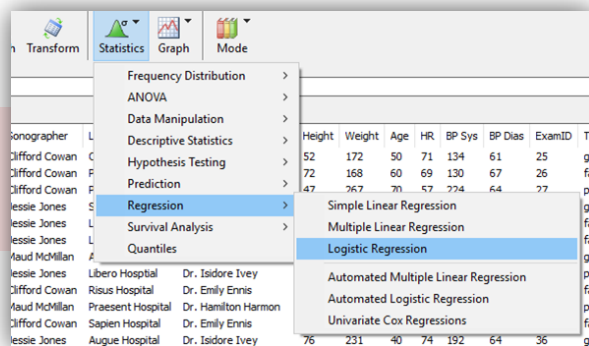
TRANSFORM
Visual Analytics Workbench enables the creation of algorithms within an intuitive visual environment where multiple processing steps can be applied to the data, then saved and automatically performed within a report.
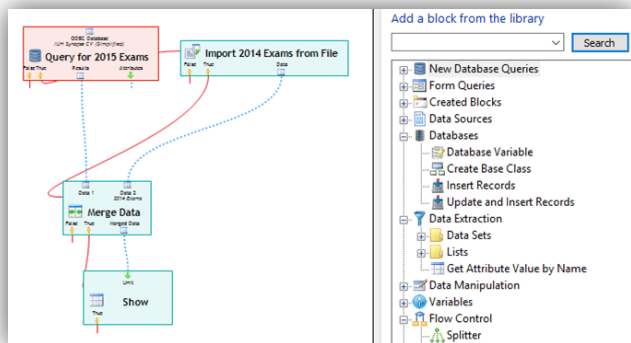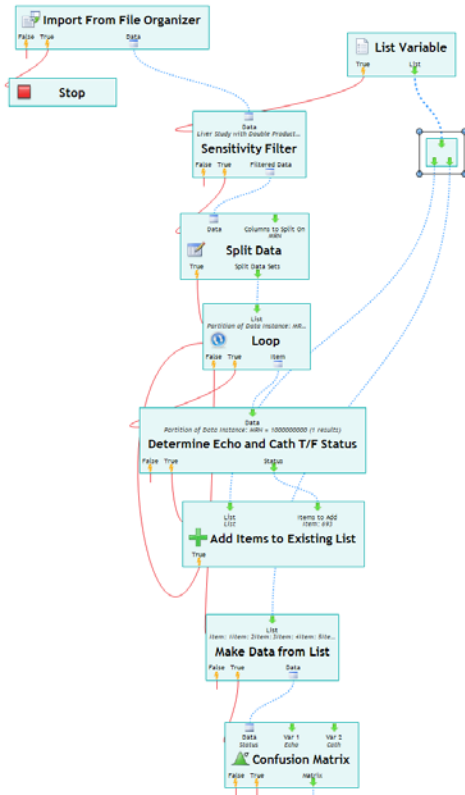
VISUALIZE
Report Builder applies pre-defined analytic steps to query results and displays in presentation quality. Interactivity enables annotations and dynamic criteria to explore data.
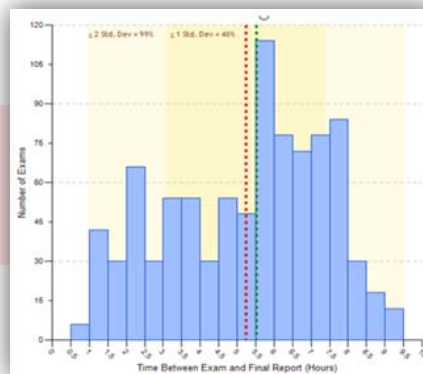
Kē Labs
Think of the possibilities.

Indiana University Health

BACKGROUND

Ke Labs assisted Indiana University Health with a liver study research project, the purpose of which was to determine the accuracy and sensitivity of dobutamine stress echocardiogram (DSE) examinations for predicting ischemia by comparing the echo conclusions with those of angiography in a population of liver patients. Many sub factors and combination of factors were considered in narrowing the examination pool, which required multiple steps.

ACTION

An application was created that imported the spreadsheet of research data, applied a variety of custom-built queries that looked for all patients who had had both echo and cath exams, and then calculated the accuracy, sensitivity and specificity of DSE exams.

Information Center easily identified over 600 patients who had a DSE and a follow-up coronary angiogram within six months since 2006 and extracted the clinical conclusions of each study.
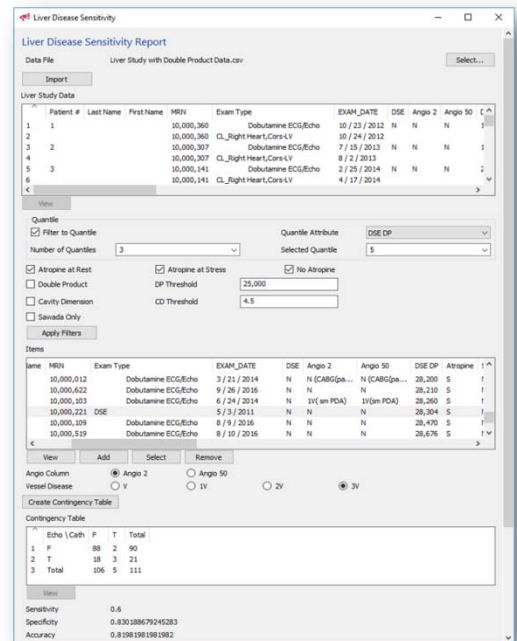
RESULTS

As a result, the hospital research team was able to quickly determine several study factors associated with increased sensitivity and specificity. This solution saved many hours of work for the researchers and allowed them to explore more hypotheses in much less time than would have otherwise been possible.

"Due to the user friendly interface, I was able to compile this large amount of data in approximately two months, while also completing my clinical duties and without having dedicated research time to work on this project. **It is estimated that it would have taken an additional three months of dedicated time to compile this data without the aid of [Information Center]***."*

~ MD, Cardiology Fellow

Our **patented Unit Modeler platform** provides tools for accessing medical systems to perform statistical analysis, automated data aggregation and transformation, business intelligence, and "no-code" application development.