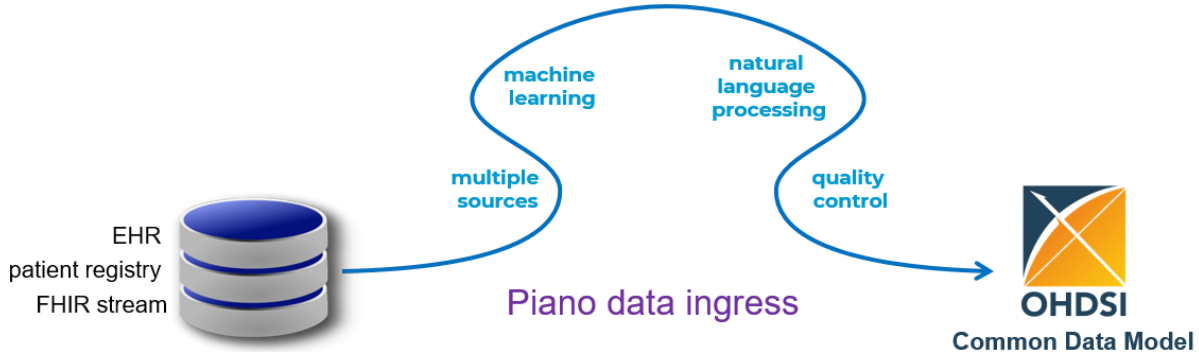
Evidentli's Piano platform for research automation allows clinicians, researchers and analysts to interrogate clinical data quickly and easily and to collaborate with like-minded individuals, without having to share data or compromise patient privacy. Evidentli offers a suite of software products and services that use the power of AI to make clinical research quick, transparent and always up to date.

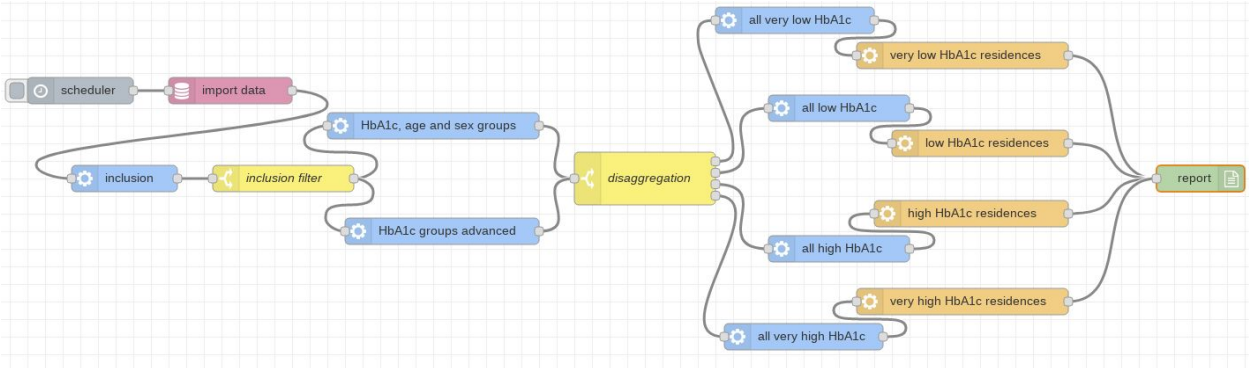
## Cleaning, standardising and federating data with OHDSI's Common Data Model (CDM)

Piano's ingress pipeline uses the power of AI to collect data from multiple databases and transform each into the most commonly used standard for research on patient data: the OHDSI CDM. Using flexible ingress workflows and drag-and-drop configuration, Evidentli's proprietary algorithms that include machine learning and natural language processing, transform data at a fraction of the time it would take to create transformations manually.




## Code-free analytics specific to clinical research

Piano includes a scientific toolbox with the most commonly used analytical tools in clinical research: including/excluding patients in cohorts and sub-groups, statistical comparison and summary, patient recruitment into trials and more. Natural language generation algorithms automatically produce reports that accurately describe the research; results are explained and the research can be exactly reproduced. Intuitive workflows put the research together using a drag-and-drop interface so that complete research projects can be created in minutes without writing a single line of code.



## One research platform with infinite applications

One size does not fit all research projects so Piano also includes advanced analytic tools that incorporate additional functionality. These tools include machine learning, R and Python integration, SQL queries and an API that is agnostic to programming language. Any research questions can be asked of the data and answers are always updated as new data enter the system.
Collaboration is a cornerstone of research. In clinical research this means five different aspects of collaboration in particular:

- **Data sharing**: data custodians (not Evidentli) control access to data without extracts or copies;
- **Research collaboration**: Piano lets researchers co-develop methods via the web;
- **Reproducibility**: one-click copying of research workflows, without data, means anyone can reproduce research at other sites on their own data sets;
- **Peer review**: open-source workflows use the power of the community to improve research, to reduce waste and to improve care for patients; and
- **Dissemination**: findings based on aggregate data can be pushed to the web so they can be translated into practice.

Studies have shown that over 85% of medical research is wasted and the reasons almost always involve a lack of collaboration. You may have heard of the so called “irreproducibility crisis” that plagues medical research worldwide. According to the World Economic Forum, over $100 Billion are spent on wasted research every year, which translates into $3 Trillion of waste in clinical practice, in ineffective care and patient harm.

## In summary

Evidentli’s Piano is a scalable, secure research automation platform specific for medical research. Built on standards and packed with analytics and collaboration features, Piano increases productivity and reduces waste. Piano’s data ingress tools simplify adoption and save time.

To find out more and to book a demo contact us or follow us on social media.

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