

Clinical Pipelines

Clinical Pipelines is a fully automated, AI powered service that facilitates fast clinical insights from large, complex clinical data including genomics and other-omics data and correlation with clinical outcomes.

We provide both static reports for regulatory submissions or publications as well as interactive reports for hypothesis generation or prediction.

The high degree of automation means that we can provide clinical insights to you in a fraction of the time compared to standard, manual approaches.

Clinical Pipelines Features

- **Best Practice Analysis Solutions** – Generate insights from Genomics (WGS and WES variant calling, B/T cell receptor repertoire), Transcriptomics (RNA-Seq, microarrays, ribosomal profiling), Proteomics (LC-MS, iTRAQ, 2D-DIGE, and microarrays), Metabolomics and lipidomics (LC-MS), Metagenomics (WGS and 16S), flow cytometry and other high dimensional endpoints.
- **Modular Analytical Components** – Reduction of noise in the data via custom-tailored data normalization, missing value imputation, and batch correction strategies. Selection of advanced machine learning methods best suited for identifying biomarkers of interest. Effective multi-omics data integration, identification of functional modules, and pathway enrichment.
- **Reproducible Static and Interactive Reports** – Ensure that all tables, listings, and figures (TLFs) generated from your data are fully reproducible. Interactive reports allow you to subset the data, generate TLFs on demand, update graphical parameters, or make predictions based on AI/ML-based models trained on your data.

What sets Advantage eClinical apart?

90+
Countries

1K+
Studies

3K+
Sites

55K+
Users

1M+
Participants



Clinical Pipelines Benefits

Scalable

Resources are scaled as needed through cloud computing infrastructure

Automated

Fully automated analysis and report generation ensures all tables, listings, and figures are produced with minimal manual effort.

Reproducible

Analytic capabilities have been perfected in over 45+ clinical reports ensuring high quality output that is consistently achieved.

Rapid Turnaround Times

Automation ensures results are available in a fraction of the time compared with standard, manual approaches.

“Veridix AI provided excellent bioinformatic and statistical support allowing analyses to be conducted across all of the ‘Omics (e.g., transcriptomics, proteomics, metabolomics, and lipidomics). Your team has been able to integrate increasingly these very complex analyses across the ‘Omics cores which is rapidly advancing the science of vaccinology”

- Professor, Emory University School of Medicine

Clinical Pipelines Features

- Participant Demographics
- Treatment information
- Safety Data
- Clinical Outcomes

Data From Veridix AI Global Trace

- Specimen Details

Data From Large Scale Assays

- Genomics
- Epigenomics
- Transcriptomics
- Proteomics, Lipidomics, Metabolomics
- B Cell/T Cell Receptor Repertoire Sequencing
- Flow Cytometry

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