Congenica

Enabling genomic medicine

The world's leading clinical decision support platform for complex genomic data

Congenica® is a secure, intuitive and accredited software platform which supports rapid secondary and tertiary analysis of whole genome, whole exome and gene panel data at scale.

Our solution empowers you to deliver world-class genomic medicine services, make important clinical decisions and provide life-changing answers that transform the lives of patients and their families, faster than ever before.

> **"Congenica has been key in making our variant interpretation services a success.**
>
> **Dr Gholson Lyon, M.D., Ph.D.**
> Principal Investigator, Institute for Basic Research in Developmental Disabilities, New York State

Increase Your Diagnostic Confidence
The ISO and HIPAA compliant clinical platform, with curated variants, gives you the evidence and confidence to make definitive diagnostic decisions.

Maximize Your Workflow Efficiency
Intelligent automation maximizes your case throughput, accelerates decision-making and frees up staff time. **Review to report in under 30 minutes.**

Improve Your Diagnostic Yield
Getting you to the answers faster, even in hard to solve cases, delivering a consistent and significant increase in diagnostic yield. **43% average diagnostic yield***

* Based on a cohort of 25,000 random cases.

hello@congenica.com

congenica.com

Enabling world-class genomic medicine services

Congenica accelerates the analysis of genomic data into actionable information. This enables you to optimize case throughput and workflow efficiency to increase your diagnostic yield.

Our software helps build diagnostic confidence, providing a full, evidence-based solution from sequenced data through to clinically actionable reports with an audit trail.

Congenica is used globally by clinicians and clinical scientists in centers of excellence such as the New York State Institute for Basic Research, Fudan Children's Hospital and as part of the Genomics England national 100,000 Genomes Project.

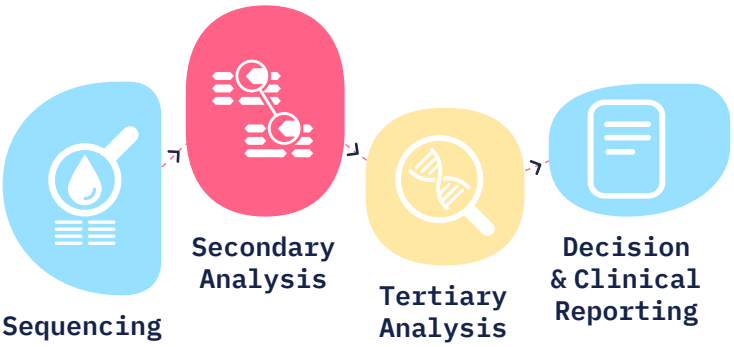
In addition, Congenica is the exclusive clinical decision support solution for the groundbreaking UK NHS Genomic Medicine Service.

> "We have utilized Congenica to implement a new, innovative genetics service in the NHS, which has significantly improved the services we provide to patients. We cannot recommend Congenica highly enough.

Dr Sahar Mansour
Professor in Clinical Genetics, St George's Hospital NHS

End-to-end solution from sample to report

Congenica can provide integrated solutions for sequencing, secondary analysis, tertiary analysis, and clinical interpretation and reporting, enabling you to provide gold-standard clinical genomics, faster and more efficiently than ever.



Customers include

NHS · BGI · Veritas EUROPE/LATAM The Genome Company · ucb · NEW YORK GENOME CENTER · CHILDREN'S HOSPITAL OF FUDAN UNIVERSITY 1952

hello@congenica.com

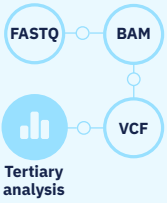
congenica.com

Clinical decision support platform

Prioritize. Interpret. Report.

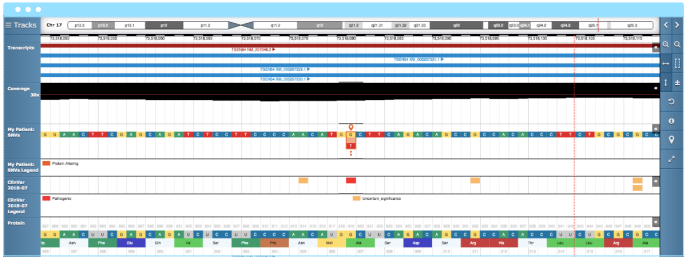
Proven, scalable and secure The platform is proven to perform with high volumes of data, allowing fast, high quality interpretation at scale.

Any way you want it Congenica puts you in control. Select your preferred reference genome, GRCh37/38, and choose between on-premise or cloud-hosted deployment and data storage.



Efficient pipeline automation Congenica automates variant calling, alignment and prioritization pipelines to enable faster data processing from sequencer to report.

Call and interpret CNVs, SNVs and Indels in one place Complete calling and analysis of CNVs, SNVs and Indels in Congenica's intuitive and streamlined workflow, making you more productive and reducing time to diagnosis.



Integrated Genome Browser

Advanced variant prioritization
Congenica combines leading analysis tools with automated statistical analysis and machine learning technologies. Instantly identify high priority variants in relation to a patient's phenotype to accelerate diagnosis.

Integrated Genome Browser and pedigree generation
Contextualize your findings with Congenica's Integrated Genome Browser and multi-level pedigree generation. Analyze multiple data sources with ease in the interactive browser and explore entire family structures, with phenotype information, to improve understanding of cases and simplify the interpretation process.

Dynamic variant filtering
The comprehensive suite of dynamic filters and prioritization tools quickly focuses each analysis on the most relevant variants. Pre-set filters accelerate clinical reviews to improve speed to diagnosis.

Reference data sources and ACMG classification
Congenica integrates multiple reference data sources to focus on a smaller number of candidate variants for a greater opportunity to make a diagnosis. The software enables easy variant classification and aligns your work with internationally recognized standards.

Extensive knowledgebase and supporting literature
View data relating to cases with matching variants and complete thorough investigations more efficiently with key evidence from past cases giving greater confidence and accelerating diagnostic decisions.

Quality assurance through gene coverage
Congenica calculates and displays gene-level coverage data. Genes falling below quality thresholds show coordinates of 'low coverage' regions for review to improve laboratory efficiency and minimize the risk of false-negative results.

Fast, flexible reporting
Configurable electronic reports ensure you get actionable results and the information you need as quickly as possible to fit with the care pathway.

hello@congenica.com **congenica.com**

Congenica

Enabling genomic medicine

Is your confidence in each diagnosis as high as it could be?

Increase your confidence, efficiency and diagnostic yield even in difficult-to-solve cases.

Congenica's industry-leading solution enables you to make accurate clinical decisions and provide definitive diagnoses faster and with more confidence.

> **"Congenica is an absolute game changer, enabling us to be certain about our diagnoses**
>
> **Dr Tessa Homfray,**
> Consultant in Medical Genetics

Get in touch

Discover how to increase your diagnostic confidence, yield and workflow efficiency with the world's leading clinical decision support platform.

www.congenica.com
hello@congenica.com
@congenica

Book a demo

Take a demo, work through a live case and start using Congenica.
Get started at **www.congenica.com/demo**