

Genetic testing for predisposition to cancer





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Molecular Health



Automated analysis of hereditary cancer predispositions

MH Guide/BRCA and MH Guide/Mendel for hereditary cancer predispositions are optimized for automated identification of clinically-significant germline variants associated with hereditary breast and ovarian cancers (HBOC), and other hereditary cancer predispositions, respectively.

How your laboratory benefits from our solutions:

Approved for diagnostic use

Our applications for HBOC and other hereditary cancers are modules of MH Guide. MH Guide is a software application approved in Europe as an IVD medical device according to (EU) 2017/746 (IVDR).

Faster results

Automatic access to relevant databases, as well as variant pre-classification accor-ding to ACMG criteria and genotype-phe-notype correlations.

Easy to integrate

Flexible interfaces make it possible to analyze standard data formats from the sequencing of commercially-available or proprietary gene panels, independent of the platform used.

Customizable evaluation

The filtering and editing options allow quick access to the most important information as well as the integration of proprietary databases.

Audited quality

Molecular Health's quality management system (QMS) is certified according to EN ISO 13485, for the design and manufacture of medical devices. Users benefit from the safety and reliability of MH software applications.





Identify hereditary cancer predispositions – quickly, accurately, and efficiently

Our software applications analyze gene variants in comparison with data from Dataome, one of the world's largest knowledge bases for biomedical information. The software provides annotation data from recognized databases such as ClinVar, BRCA Exchange, and LOVD, which are updated regularly.

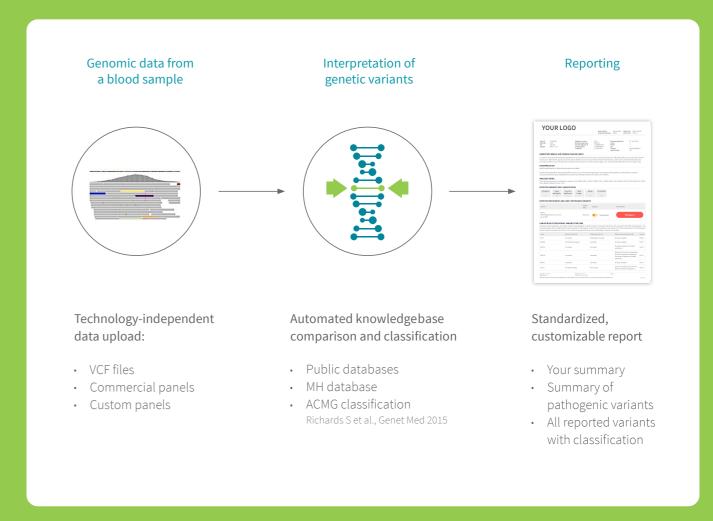
You can use any commercially available or custom gene panels and have the data analyzed in VCF format with our applications.

The software summarizes all of the relevant results in individual reports that provide users with clear, specific information on possible pathogenic gene mutations associated with HBOC and other hereditary cancers.



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The analyses process





3

Integration in lab workflows

Flexibility and data security in one

The web-based software applications can be easily integrated in the laboratory. They enable the annotation and interpretation of genetic variants from common NGS or other analysis platforms.



Approved for clinical use

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SaaS – individually scalable

Our applications are offered as scalable SaaS (Software as a Service) to suit small and large institutions alike.



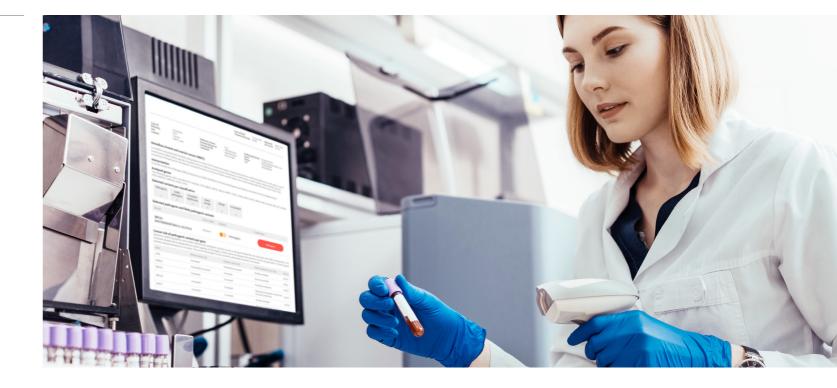
Customizable patient reports

The design, content, and format of analysis reports can be adapted to individual needs on request.



Flexible input and output formats

Our applications process the standard data format VCF. Output formats are PDF, and JSON. Structured export of all variant information is available in CSV format for single and multi case analysis.





Secure data transmission

Molecular Helath employs advanced encryption standards (SSL/TLS, AES-256) to safeguard patient data and stores it with controlled access authorization.



Guaranteed security of patient data

MH Guide meets the requirements of:

- General Data Protection Regulation (GDPR) in Europe.
- Health Insurance Portability and Accountability Act (HIPAA) in the USA.
- Genetic Diagnostics Act (GenDG) in Germany.



Efficient workflows in your lab

Our applications let you optimize your everyday processes. The cloud-based software automates the interpretation of germline variants and delivers high-quality analyses.



Data center architecture

Molecular Health utilizes data centers certified according to international security standards, including Trusted Site Infrastructure (TSI) and ISO 27001.

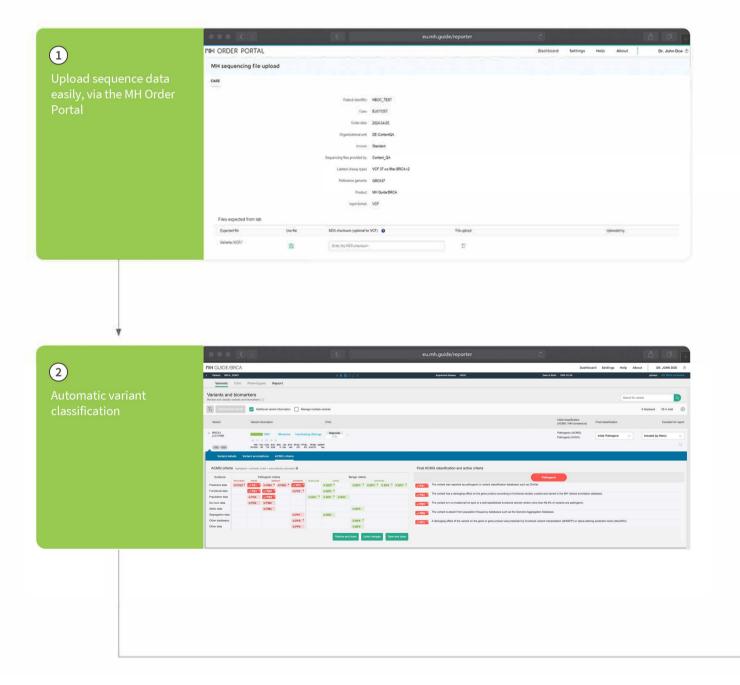
Molecular Health performs third-party penetration tests and maintains a continuous process for vulnerability scanning and handling.



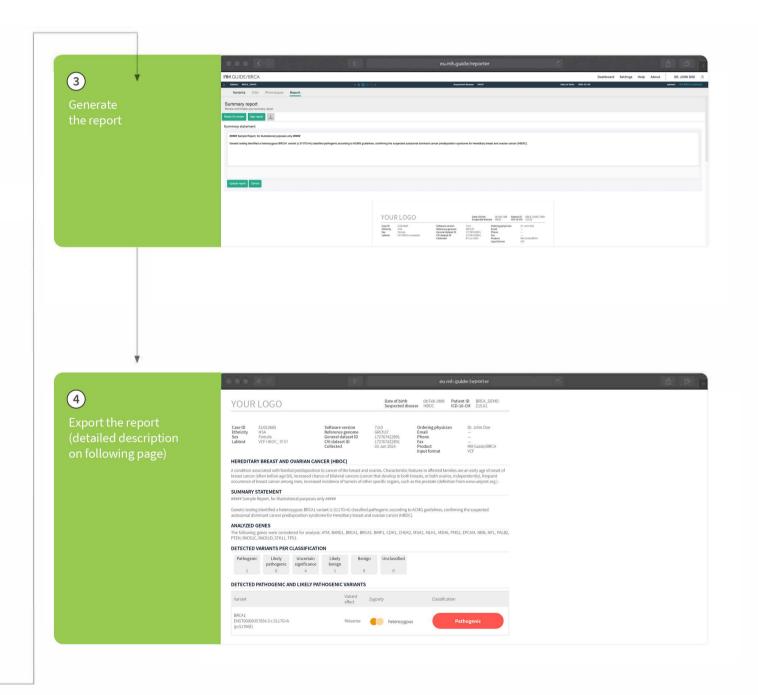


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Generate the report: just a few, intuitive steps

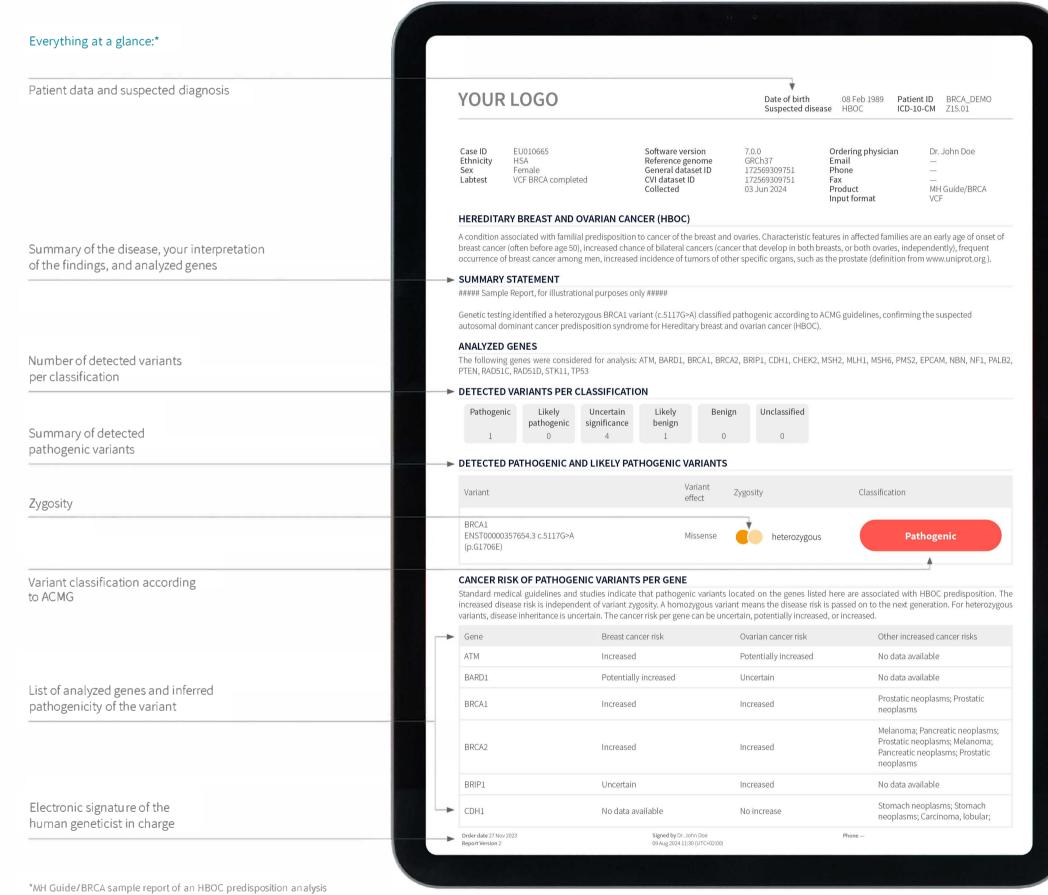


How it looks on your screen: from raw data upload to final patient report













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How to reach Molecular Health



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We develop and deliver innovative technologies for in silico medicine and precision medicine

Our solutions enable the conversion of large amounts of data into evidence-based, medically relevant results for the actors in the healthcare sector. Therewith, we provide molecular pathologists, geneticists, physicians, and patients with better information

on diagnoses and therapy options. We support pharmaceutical and health organizations by optimizing clinical studies in the development of promising active ingredients and meaningful disease models.

Request a demo



Learn more about our certifications

