

Bringing genomic medicine into standard care while making human omics data available for research via GHGA.



### The Future of Patient Care: Genomic Medicine

The model project genome sequencing (MV GenomSeq) offers genome sequencing at participating university hospitals for selected patients with cancer and rare diseases, bringing molecular analysis for diagnosis or personalised therapies into standard health care in Germany.



### Enhancing Patient Care and Research

Leveraging individual genetic profiles enables earlier diagnoses and personalized treatments, enhancing patient care. With patient consent, this data can also fuel research, uncovering connections between genetic variations and diseases.



### Secure Data Storage and Sharing

To ensure the secure storage and shared use of the collected clinical and genomic data, BfArM operates a dedicated data platform. Clinical data is stored in Clinical Data Nodes, while genomic data resides in Genome Data Centers, enhancing overall data security. All data is pseudonymised to prevent direct identification. A trust centre at the RKI securely processes and links the datasets.



### GHGA's Role in Data Management

Six GHGA Data Hubs have been approved as Genome Data Centers by BfArM, providing the archiving and research platform for the genomic data generated by MV GenomSeq.



Visit [ghga.de](https://ghga.de) to learn more about the model project genome sequencing and GHGA's contribution.

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