



About GDI

The European Genomic Data Infrastructure (GDI) project is enabling access to genomic and related phenotypic and clinical data across Europe by establishing a federated, sustainable and secure infrastructure to access the data.

The project builds on the outputs of the Beyond 1 Million Genomes (B1MG) project and is realising the ambition of the 1+Million Genomes (1+MG) Initiative.

Highlights

Demonstrator videos showcasing 1+MG federated analysis infrastructure - paving the way to federated learning

The GDI project has released a technical demonstration video showcasing a first version of the 1+MG federated analysis infrastructure, analysing real-like synthetic data across six countries. The video shows a user in the Czech Republic analysing data distributed in five other GDI national nodes - Estonia, Germany, Portugal, Slovenia and Spain - without the data leaving its country of origin.

[Read the news»](#)

The banner features a dark blue background with a large, stylized circular graphic on the left containing a laptop. On the right, the text "GDI Technical Demonstrator: Distributed analysis & federated learning" is prominently displayed in white, with a red play button icon integrated into the word "Distributed". The European Genomic Data Infrastructure logo is in the top right corner, and the European Union flag with the text "Co-funded by the European Union" is in the bottom right corner. Decorative blue lines and dots are scattered across the background.

European Genomic Data Infrastructure

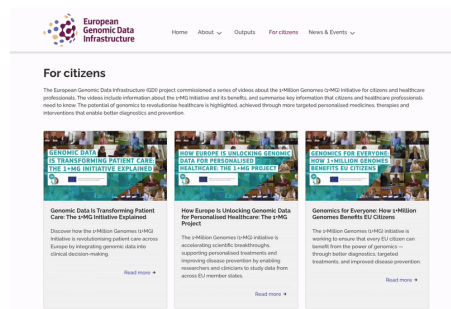
GDI Technical Demonstrator:
Distributed analysis & federated learning

Co-funded by the European Union

Country representatives vote on interim and long-term sustainability

The legal framework for both interim and long-term sustainability of the 1+MG infrastructure has been defined, following a voting by representatives of countries participating in the GDI project. In the long term, member states indicated preference for an EDIC with controllership for data disclosure at national level, exercised through the European Health Data Space.

[Read the news»](#)



New page on the GDI project website – “For citizens”

Check the GDI project ‘For citizens’ page to watch a series of videos about the 1+Million Genomes Initiative for citizens and healthcare professionals. The videos include information about the 1+MG Initiative and its benefits, and summarise key information that citizens and healthcare professionals need to know.

GDI ‘For citizens’ page

New look of the 1+MG Framework website

The 1+MG Framework website had a refresh with a clearer and better user interface.

[Check the website to find out more about the foundations of the framework»](#)

News

European Commission: Artificial Intelligence in Health

The 1+MG Initiative and the GDI project were mentioned in the latest EU news release on Artificial Intelligence in Health. It highlighted the importance of the project in harnessing secure access to genomics data in Europe.

[Read more»](#)

Recommended reads

The evolution of health data ecosystems: An international survey

This paper reports the findings of an international survey of health data ecosystems in 12 countries plus the H3 Africa project using live, structured interviews with senior project team members under the auspices of Canada's All for One Precision Health Initiative. The maturity level model developed under the 1+Million Genomes Initiative and Beyond 1+Million Genomes project was mentioned in the paper.

[Read more»](#)

Communicating clearly about data sharing in genomics - Human Genomics

The GA4GH has developed a standardised lexicon of key terms for data sharing, including the nascent terms data visiting and federated data analysis to improve communication within the genomics community. This article introduces these recently developed data sharing-related terms and considers their implications for data governance and global health research.

[Read more»](#)

Recommended events and trainings



The power of patient advocacy in genomics

In this free online course, expert educators will explore mechanisms for integrating patient insights into the research process and in shaping the delivery of genomic medicine, through a wide variety of case studies from around the world.

[Find out more»](#)



GA4GH 13th Plenary

6-10 October 2025 | Uppsala, Sweden

The GA4GH 13th Plenary is co-hosted by SciLifeLab, a collaborative effort between Swedish universities that aims to build a national research infrastructure to advance life science research. The conference will focus on genomic and clinical data sharing issues that pervade diverse industries, disciplines and communities.

[More information and registration»](#)

Health Data Research UK's annual conference is a two-day, hybrid event to celebrate progress and bring people together to accelerate the trustworthy use of health data for public benefit.

[More information and registration»](#)

Recommended video



Personalised medicine and beyond: Supporting a data-driven healthcare system

GDI project coordinator, Serena Scollen, joined the Danish National Genome Center Conference 2025 "Personalised medicine and beyond: Supporting a data-driven healthcare system" on 8 September.

"Personalised medicine is reliant on having large-scale, high-quality genomic and health data," said Serena Scollen, "European regulations like EHDS, the AI Act, and Europe's Genomic Data Infrastructure (GDI) can help to improve interoperability and enable secure access to health data."

[Watch the conference recordings»](#)

Revisit the 1+MG Initiative video



How Europe is unlocking genomic data for personalised healthcare: the 1+MG project

In this video, experts explain how the initiative is helping to set global standards in health data sharing, linking genotypes and phenotypes to improve patient outcomes. Learn how genomics is driving a future of earlier diagnoses, targeted therapies and more resilient healthcare systems – while respecting privacy, national governance, and citizen trust.

Watch the video

Send updates, stories and events for the next GDI newsletter to GDI Coordination Office at gdi-coordination@elixir-europe.org.

Follow GDI project updates on our social media and website.



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