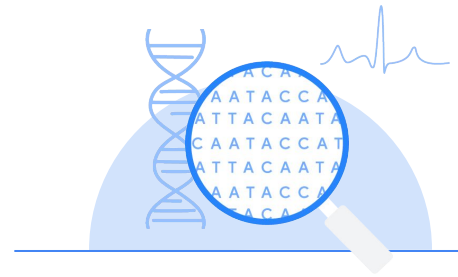


Process and analyze genomic data at scale with Google Cloud

Genomics Insights



Genomics is critical for the race to drug discovery but harnessing the exponential growth in genomic data requires significant resources.

Researchers are looking for scalable, cost-effective solutions that can integrate multiple data types in order to process and analyze genomic data and help accelerate the drug discovery development process.



Drug targets based on genomic analysis are **2x** as likely to be approved. ¹



By 2025, more than **100 million genomes** will be sequenced - accumulating over **20 billion gigabytes** of raw data. ²

Introducing **Genomics Insights**: Google Cloud's cost-effective and scalable solution for processing and analyzing genomic data

With the strength of Google Cloud analytics capabilities behind Genomics Insights, you can easily unlock insights from your genomic data.

You also only pay for what you need with this solution that scales to meet spikes in demand for data processing and storage.

Finally with our robust partner ecosystem providing platform, service, and support, you can scale your operations to accelerate your research and drug development and advance global health.

Value opportunity



Optimize your resources to be more computationally efficient

Accelerate
time-to-insight



Process different data types and integrate easily with BigQuery

Enable seamless
integration

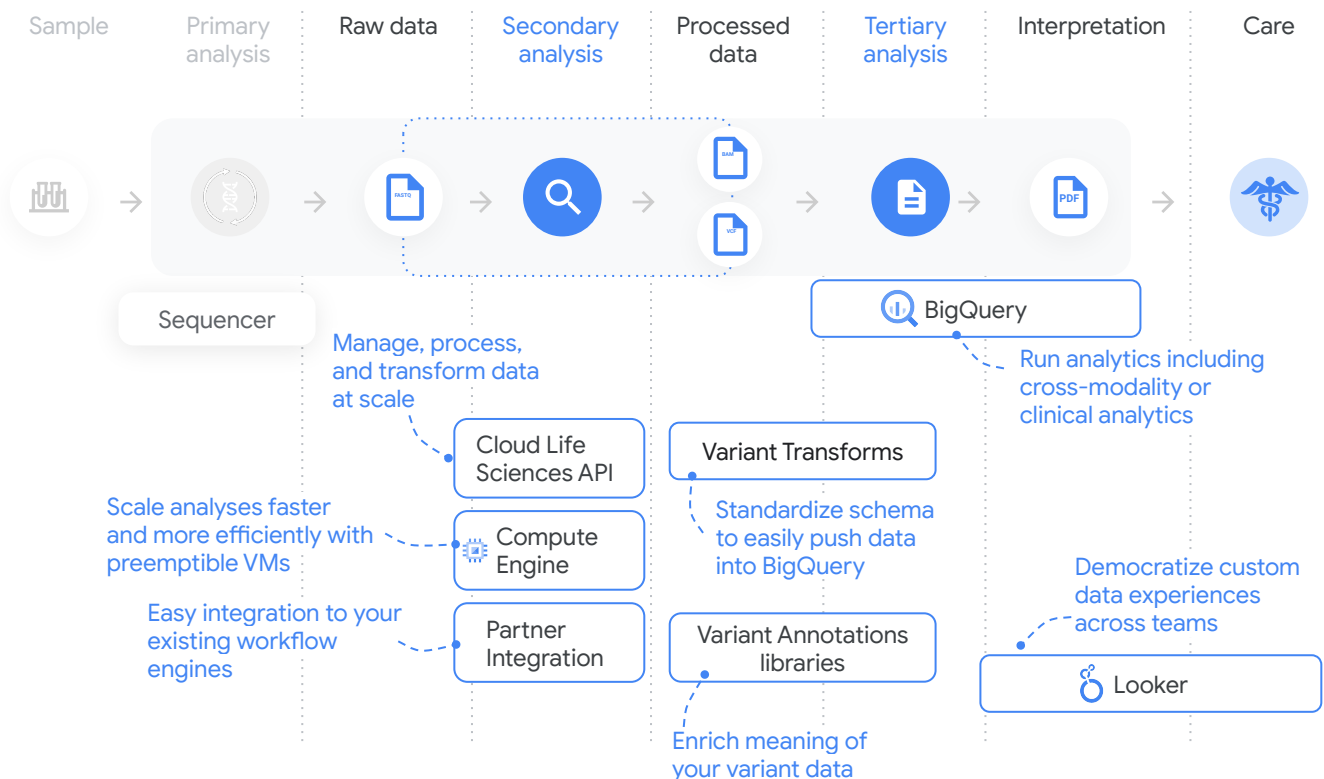


Scale up and down easily so you only pay for what you need

Drive cost efficiencies



How it works: Genomics Insights



Broad Institute uses Google Cloud to accelerate genomic data analysis, advancing the treatment of human disease to generate new therapies.



- Analyzes human genomes **400% faster** compared to on-site computing clusters¹
- Reduces the cost of GATK analysis by **90%** using Google Cloud, from \$45/genome to \$5/genome²
- Processes more than **76,000** genomes, generating **24TB** of data per day, and stores more than **36PB** of data on Google Cloud³



The pace and volume of data produced for our research was increasing and we needed a place where it could be managed professionally and securely.”

Niall Lennon

Senior Director, Translational Genomics for the Genomics Platform, Broad Institute

Ready to start your journey?

Getting started is easy with supportive tools and instructions for organizations of all sizes. Reach out to your Google Cloud representative to explore how Genomic Insights can help your organization.