

TRANSFORMING COMPLEX DATA INTO CLINICAL ANSWERS

100,000 GENOMES: Genoox Selected to Serve the Israeli Genome Project



The 100,000 Israeli Genome Project is a ground-breaking, cross country sequencing program that focuses on introducing personalized medicine improvements to clinical standards while driving down the cost of care.

The Israeli Ministry of Health has chosen Genoox to provide advanced genetic insights to hospitals, clinical labs and researchers throughout the country.

Genoox enables mainstream precision genetics analysis by introducing fast and cost effective solutions to hospitals, clinics and laboratories using Next Generation Sequencing (NGS). The Genoox platform will be used in health systems and hospitals across the country to provide clinicians with quick and responsive diagnoses for more immediate and tailored patient care.

The project will construct Israel's first genomic database which will promote nationwide sharing of genetic and clinical information, advanced genetic diagnostics and treatment recommendations, improving both quality and efficiency in standardized care.

As part of the project, 100,000 volunteers will be genetically profiled using DNA sequencing. The data will be matched to their clinical histories and physical attributes and overall health. The ability to compare trends in these massive data sets will significantly improve our ability to detect and prevent disease, offering new personalized treatment options for many patients. The promise of earlier disease detection and treatment offers enormous opportunity to improve our healthcare system

CEO of Genoox Amir Trabelsi commented: "We are honored to be chosen by the Ministry of Health to serve this significant nationwide project. This level of analysis used to be available only in the world of Ph.D level research, now we have the opportunity to deliver physicians with immediate actionable insights for each individual patient."

The Genoox Advantage

The Genoox platform manages the entire process from raw data to clinical insights, producing actionable results for clinicians, researchers, and physicians.

Our analytical process includes data compression, variant assessment, classification, curation, analysis, as well as review and verification. Our automated, built-in quality systems ensure accurate, targeted patient care and avoid the costly errors associated with missing an important correlation, making an erroneous call, or producing noisy results with false positives. The Genoox analytics dashboard displays evidence and confidence scores with associated detail for each variant detected. Our proprietary search engine scours hundreds of available data sources, both public and private, for relevant genetics findings. The Genoox search engine avoids the common problem of using limited or fragmented research that may miss important results.