strand
GENOMIC WELLNESS

Genomic Health Insights

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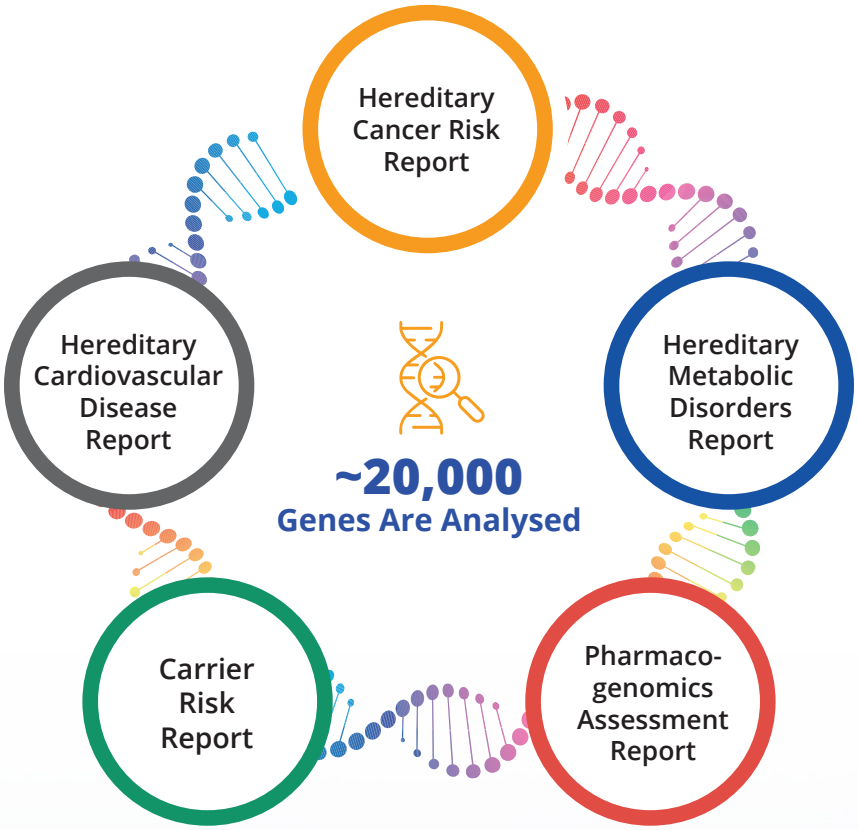
The Genomic Health Insight Program comprises a comprehensive gene report that analyses over ~20,000 genes using the most modern Next Generation Sequencing technology, and proprietary bioinformatics tools.



Each individual carries 35,000 to 45,000 genomic variants in their ~20,000. Sophisticated bioinformatics is used to analyse these personal variants and identify those of relevance to an individual's health and wellness.

The test uses 5-20 ml of a participant's blood for genomic sequencing and analysis to generate 5 separate reports (Hereditary Cancer Report, Hereditary Cardiovascular Disease Report, Hereditary Metabolic Disorders Report, Pharmacogenomics Assessment Report, and Carrier Risk Report). It is designed to increase the awareness of individuals about the role genomics plays in their lifestyle choices while preparing them and their children for a safer and healthier future.

Hereditary Cancer Risk Report

- Approximately 10-20% of some cancers are hereditary due to inherited gene variations passed on through generations in a family. This number is believed to be an underestimate given the hitherto non-equitable access to gene testing
- Doctors may suggest risk reducing interventions in those with high hereditary risk
- Cancers detected early have better outcomes
- Genetic testing is an important decision support tool for providing a personalized approach to understanding and managing an individual's inherited cancer risk

Benefits of the Hereditary Cancer Risk Report

- Predicting the risk of developing cancer
- Estimating risk in family members
- Instituting early surveillance measures for future disease onset

Hereditary Cardiovascular Disease Report

- According to the Global Burden of Disease study, nearly a quarter of all deaths in India are attributable to Cardiovascular Disease (CVD). CVD is the largest cause of death in Indians
- Genetics can influence the risk for heart disease in many ways. Genes are known to control various aspects of the cardiovascular system
- Many cardiac disorders can be inherited, including cardiomyopathies, arrhythmic disorders, aortic aneurysms and high cholesterol levels (familial hypercholesterolemia)

Benefits of the Hereditary Cardiovascular Report

- Evaluating the risk of developing adult and late onset cardiovascular disease
- Evaluating risk in family members
- Instituting early surveillance measures as suggested by your doctor for future disease prevention

Hereditary Metabolic Disorders or Inborn Errors of Metabolism (IEM) Report.

- Inborn errors of metabolism (IEM) are a diverse group of disorders caused by a variations in genes involved in metabolic pathways
- To date, more than 1000 different inborn metabolic errors have been identified. IEMs are individually rare, but collectively common, affecting every 1/1000 people
- Your doctor may be able to use genomic variation information to assces any action needed
- It is a misconception that IEMs only manifest at young age. Sometimes it takes years before a toxic metabolite accumulates, and this leads to a time lag in manifesting symptoms
- Also an individual that is exposed to extreme environmental stressors (e.g., marathon, pregnancy), can exhibit symptoms later in life

Benefits of the Hereditary Metabolic Disorder Report

- While most IEMs are early onset, one can predict the risk of developing adult and late onset disease
- Risk estimation in family members

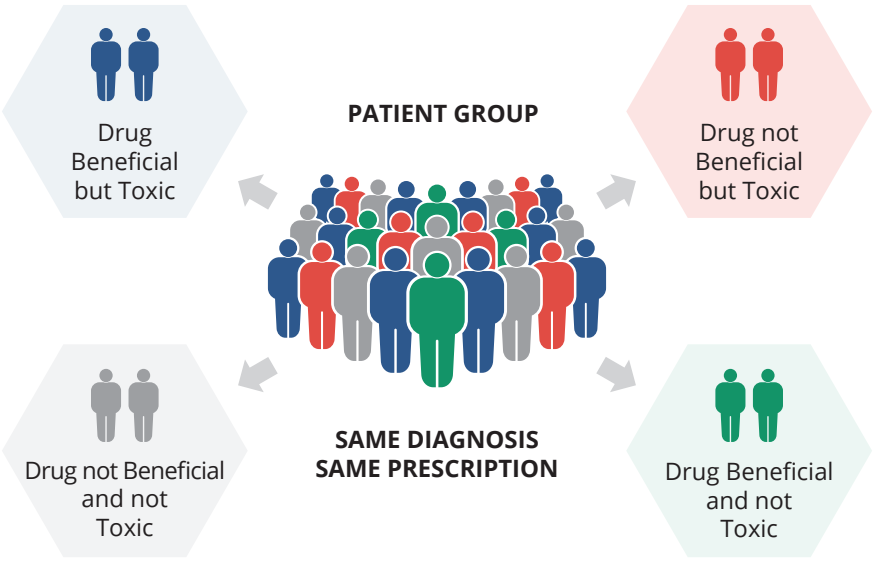
Carrier Risk Report

- Carrier risk evaluations look for genomic variation that may not manifest as disease in the individual being studied but could cause disease in their children
- To understand the “carrier” status of an individual has great benefits especially when planning to have children
- Genetic disorders are a major public health burden, a cause of suffering for families, and a source of significant expenditure for parents

Benefits of the Carrier Risk Report

- Carrier screening can identify couples at risk and provide a basis for genetic and reproductive counseling, which can drastically decrease disease incidence

Pharmacogenomics Assessment Report



- Pharmacogenomics helps to identify the right drug for the right person
- Genomic variation influences how individuals respond to various drugs and this knowledge allows a clinician to tailor treatment to an individual's genetic composition

Benefits of the Pharmacogenomics Assessment Report

- Cataloging drugs that may be toxic to a person even if beneficial and evaluating the drug landscape for alternatives
- Cataloging drugs that may neither be beneficial nor toxic thus avoiding unnecessary costs
- Cataloging drugs that may be beneficial and non toxic

Genomic Health Insight Report Process

Register for Genomic Health Insight via website

Sample Collection
Strand's client support team will coordinate blood sample collection

Turn Around Time (TAT)
Reports will be available within 21 working days from sample receipt

Disclaimer: Genomic Health Insight provides genomic information to consumers but is not intended to directly diagnose, cure mitigate, treat, or prevent disease. Only your doctor can decide upon measures for the above based on the information provided.

strand
GENOMIC WELLNESS

PIONEERS IN
GENOMICS

21
YEARS & COUNTING

TRUSTED BY THE WORLD'S BEST

Over 2000 customers, including the world's premier research institutes, pharmaceutical companies and biotechnology companies, device makers, regulatory bodies, hospitals, and doctors have used our products and services for making crucial decisions.

WHY STRAND?

Strand provides robust genomic solutions built on the foundation of scientific, computational, and medical expertise. Our products are built to provide precise and detailed genetic information to clinicians enabling them to pick the best possible medical solutions for their patients.

Strand Life Sciences Pvt. Ltd.

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