



Variantyx Wellness™ Test

The most comprehensive genetic screening test

Helping patients take charge of their health

The health of your patients and their families is important to you, and to them. Variantyx Wellness™ is a genetic screening test that provides a powerful tool to help you and your patients identify predisposing health risks encoded in their DNA. Risks that may have the potential to affect their future health, or the health of their children. Risks that once made aware, it may be possible to delay, diminish or avoid the effects of through lifestyle or preventative healthcare changes, or through identifying problems as early as possible with timely screening.

Variantyx Wellness™ delivers the knowledge you need to provide the best preventative care possible.

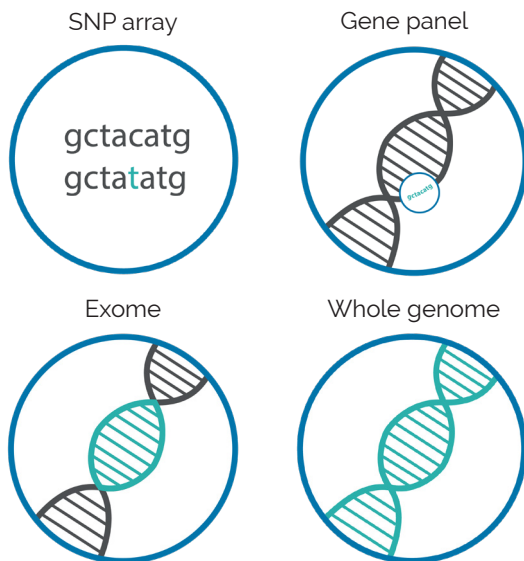


Why Variantyx Wellness™ test?

Only Variantyx Wellness™ uses the most advanced sequencing technology and data analysis algorithms available. The result is a single genetic test that provides a comprehensive view of your patient's DNA. More conditions are covered, plus more hard-to-detect variants (DNA changes that cause disease or increase the risk of developing a disease) are found.

Advanced technology

Many genetic tests use sequencing technologies which look at only a small fraction of our DNA. Exomes cover 2% of our DNA while targeted gene panels cover less than 0.02% and SNP arrays cover less than 0.01%. In contrast, Variantyx Wellness™ uses whole genome sequencing (WGS) which looks at our entire DNA. But complete DNA sequencing alone isn't enough. Variantyx Wellness™ pairs WGS with proprietary data analysis algorithms that detect more different types of variants than any other WGS-based test.



Many tests in one

By looking at the patient's entire DNA, Variantyx Wellness™ screens for predisposition to an unlimited number of conditions with a single test. Variantyx Wellness™ looks for variants that can increase an individual's lifetime risk of developing cancer. It also looks for variants that can affect heart health, predispose an individual to diabetes or autoimmune disease, lead to early onset Alzheimer's disease and

much more. With awareness comes the ability to potentially minimize or address identified risk through early screening plans, proactive enrollment in preventative clinical trials or other methods.

For patients of childbearing age, Variantyx Wellness™ screens for carrier mutations responsible for the more than 7,000 rare inherited disorders described in the scientific literature. As a silent, unaffected carrier of a rare disease mutation, an individual has a 50% chance of unknowingly passing the mutation on to each of their children. Variantyx Wellness™ uncovers these mutations, enabling follow up genetic testing for reproductive partners and, if needed, use of preimplantation genetic diagnosis (PGD) to avoid the possibility of a child being affected by the mutation.

In addition to providing insight into disease risk and carrier status, Variantyx Wellness™ screens for pharmacogenomic variants that influence how well an individual responds to different drugs, helping guide the choice of medication or dosage while protecting patients from adverse reactions or ineffective treatment.

More variants detected

Variantyx Wellness™ is a highly sensitive genetic test that identifies hard-to-detect variants like the pathogenic BRCA1 ex9-12del variant that occurs in >10% of breast cancer patients of some ethnicities. Or like FMR1 premutation repeat expansion alleles which 1 in 178 women silently carry. Detection of these types of variants often requires independent, targeted testing, but Variantyx Wellness™ includes them, and many others, within a single test. While a negative genetic test result can never completely rule out the possibility of an undetected pathogenic variant, Variantyx Wellness™ provides greater confidence that all relevant variants have been screened.

Free data reanalysis

New information about variants and genes associated with disease becomes available every day. Similarly, data analysis algorithms continue to evolve and improve. This is why Variantyx Wellness™ includes the option to reanalyze your patient's data in the second and fourth year following the original analysis. Without collecting a new sample, performing new sequencing or charging extra fees.