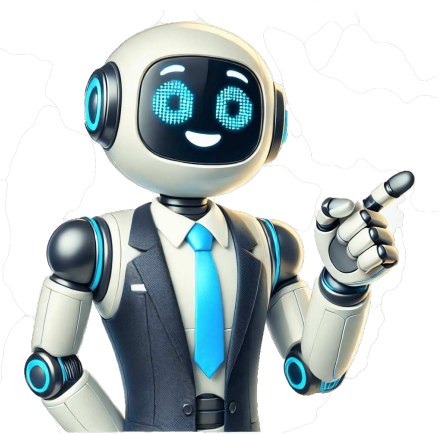


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Dna testing for medication

Medications work differently in different people. Just as you may have red hair and freckles, but your sibling has brown hair with tanned skin; your genetics also affect how your body process medicines. Common medicines affected by our genetics include mental health medications. It can be exceedingly difficult to predict which mental health medication will work best for you. Genetic testing can help.Every year over forty-three million Americans experience mental illness. While most with a mental illness have only a temporary episode or two, a considerable number experience issues daily. One in every 25 Americans has a serious mental health condition, such as a major depressive disorder. Mental illness is unfortunately more common than most people may think.How Are Psychiatric Disorders Treated?Psychiatric, or mental health, disorders often occur due to a disruption of normal brain function. The original cause can vary individually. Psychiatric disorders may lead to anger, delusions, depression, false beliefs, fatigue, hallucinations, mood swings, and more. It may appear that the person's thoughts are irrational or seem misaligned with reality. Reasoning with someone who is experiencing a mental illness can sometimes be difficult. Treatment is often multifaceted including both cognitive behavior therapy and medications. Examples of psychiatric disorders include:ADHDAxietyBipolarDepressionEating disordersOCD (obsessive-compulsive disorder)PTSD (post-traumatic stress disorder)SchizophreniaThere are multiple varieties of psychiatric medications. Antidepressants, antipsychotics, anxiolytics, mood stabilizers, and stimulants are all considered psychiatric medicines. Changing the brain's chemistry with medicine may reduce common symptoms. Medicines can effectively reduce mental health symptoms, but they come with their own range of side effects. These drugs may affect blood sugar or cholesterol, cause drowsiness, lead to heart palpitations, or induce muscle spasms, and other unwanted side effects. Comparing risk versus benefit helps your doctor determine the best fit for you.Since there are several mental health medications available on the market, your doctor will begin a process of "trial and error," prescribing various kinds until they find one that works for you. Not only is this process time-consuming, but it also can put you at risk of side effects while still not helping you feel better. There is a solution to help you feel better quickly. Genetic testing for medication effectiveness helps your doctor reduce trial and error, reduces your potential for side effects, increases your chances of controlling your illness, saves time, and saves money.What Is Genetic Testing For Medication Effectiveness?Genetic testing for medication, also known as drug-gene testing, examines your DNA for clues to how your body will respond to certain drugs. Every DNA strand contains genes. Certain genes hold the directions for manufacturing enzymes, a type of protein. These proteins affect drug metabolism. If the enzymes act differently than expected, the drug may break down before it has a chance to work, or the medicine may stay in your system longer than necessary. If the medication cannot function properly, you may have more side effects with little to no benefit. Knowing how your genes work takes the guesswork out of prescribing the best potential medicine.Genetic testing for drug metabolism focuses on a specific type of enzyme: cytochrome P450 (CYP450). These enzymes are responsible for the metabolism of over 70% of clinically used drugs, including most psychiatric meds. Ready to finally find the right medication? Compare Tests How Does Genetic Medication Testing Work?The genetic testing process is both quick and simple. A saliva sample collected with a swab of your cheek. The test can be done in the comfort of your own home. The sample is then sent back to the laboratory for analysis. Once ClarityX receives collected the genetic swab test for medication, the team analyzes it and gives insight into your body's response to hundreds of FDA-approved medications. Information learned from your genetic medication is not working for you. If you are already experiencing drug side effects, it may be time to switch your medication. Genetic testing can help you find the best medication based on your DNA.Give genetic testing a chance to help you feel better. Our team at ClarityX is here to help. After a quickDNA swab test for medication, you will receive a comprehensive report with valuable information regarding your response to potential medicines. The Mindwell test at ClarityX carefully looks at your response to 130+ FDA approved mental health medications. Contact ClarityX for better control of your health. The GeneSight Psychotropic test is designed to analyze clinically important genetic variations that may impact how your patients metabolize and respond to certain mental health medications. These pharmacogenetic insights can provide critical information to inform treatment plans and may help shorten your patients' road to wellness. Take the next step Require dose adjustments Be less likely to work Have increased risk of side effects The GeneSight Psychotropic report may help you avoid multiple medication trials by providing information about which medications may require dose adjustments, be less likely to work, or have an increased risk of side effects based on your patient's genetic information. The report also includes information on how a patient's smoking status may affect their body's metabolism of certain medications. Learn more An ideal time to consider the GeneSight test is when treating: New patients with a previous medication failure Patients experiencing lower-than-desired medication response Patients experiencing unwanted side effects Elderly patients Patients with liver damage Our goal is to make the GeneSight test affordable and accessible to patients. Insurance can be complicated, and we want you to feel comfortable ordering the test for your patients. Cost shouldn't be a barrier to getting critical insights for informing mental health treatment. of patients pay \$330 or less for their GeneSight test* is the typical out-of-pocket cost for patients on Medicare (Part B) and Medicaid And if your patient's cost is estimated to be more than \$330, we'll contact your patient to discuss their options, including financial assistance and interest-free payment plans for those who qualify. * Based on a review of six months of past claim data for major insurance carriers across the US. Last updated 2023. Tens of thousands of clinicians have ordered the GeneSight test for 3 million patients and counting. Explore what happens when the GeneSight test becomes part of a clinician's practice through the testimonials shared below. Read more Read more Hear from other healthcare providers The stories shared on this page are individual healthcare providers' personal experiences with GeneSight. Others may not have the same experience or outcome. Do not make any changes to your current medications or dosing without consulting your healthcare provider. The GeneSight Psychotropic test analyzes how your genes may affect your outcomes with medications commonly prescribed to treat depression, anxiety, ADHD, and other mental health conditions. The GeneSight Psychotropic test provides your clinician with information about which medications may require dose adjustments, may be less likely to work for you or may have an increased risk of side effects based on your genetic makeup. View sample Psychotropic report The GeneSight MTHFR test shows whether a person has variation in MTHFR, an enzyme required to convert folic acid and dietary folate into its active form, L-methylfolate See the GeneSight process Step 1 Your provider collects a DNA sample by painlessly swabbing the inside of your cheek OR you can collect the sample at home using our patient collection kit. Step 2 The sample is sent to our lab for analysis. Step 3 After we receive your sample, your healthcare provider will typically get test results in about 2 days. Step 4 Your provider can contact our Medical Affairs team for a consultation. Your provider can then review the results with you on your next visit. The GeneSight test report may help you avoid multiple medication trials by providing information about which medications may require dose adjustments, be less likely to work, or have an increased risk of side effects based on your genetic information. The report also includes information on how a patient's smoking status may affect their body's metabolism of certain medications. Pharmacokinetic genes tell us what the body does to the medication. These genes provide information on how a patient may break down certain medications CYP2D6 CYP3A4 CYP2B6 UGT1A4 CYP2C19 CES1A1 CYP1A2 UGT2B15 CYP2C9 Pharmacodynamic genes tell us what the medication does to the body. 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