



Finding the right medicine
for you just got easier

Now your genes can help guide your treatment plan



“What’s the right treatment for me?”

If you’ve ever tried a medication that didn’t work or caused you side effects, you know that **medications don’t work the same for everyone**. Your genes influence the way your body responds to specific medications.

When you’re on a medication that doesn’t match your genetics, you could have unwanted side effects or not be helped by the medication.

The good news is that now GeneSight® can analyze your genes and help your healthcare provider select the **medications that are more likely to work better for you**.

Today, there are GeneSight tests available for:

- depression, anxiety, PTSD, bipolar disorder, schizophrenia or other behavioral health conditions
- acute and chronic pain
- attention deficit hyperactivity disorder (ADHD), attention deficit disorder (ADD) and narcolepsy
- folic acid (folate) deficiency



More than 15,000 healthcare providers have used GeneSight to help determine the medications and treatments for over 250,000 patients.



GeneSight: A simple test with fast, accurate results

You can get the GeneSight test from your healthcare provider. It's simple and noninvasive. Here's how it works:



1 A cheek swab is used to collect cells that contain your DNA



2 Your sample is sent to our own accredited lab, where it's analyzed



3 In 36 hours, your report is ready for your healthcare provider

Your healthcare provider will share your GeneSight report with you and select the medications and doses that are best suited to your genetic profile.

GeneSight works

Multiple clinical studies show that when doctors use GeneSight to guide their treatment, patients are **twice as likely** to get on the right medication. Plus, with treatment guided by GeneSight, patients saw a **70% greater improvement** in their symptoms versus usual treatment.*

*Source: Hall-Flavin DK, Winner JG, Allen JD, Carhart JM, Proctor B, Snyder KA, Drews MS, Eisterhold LL, Geske J, Mrazek DA. Utility of integrated pharmacogenomic testing to support the treatment of major depressive disorder in a psychiatric outpatient setting. *Pharmacogenetics and Genomics*. 2013;23(10):535-548.

PERSON

GeneSight gives a comprehensive view

GeneSight looks at many of the genes involved when your body processes certain types of medications. GeneSight is the only genetic test that provides this combined view to help your healthcare provider know which medications may be a match for your genes.

GeneSight gives your healthcare provider important information to help get you on the right medication.

About GeneSight

The GeneSight test is developed by Assurex Health based on technology invented by Mayo Clinic and Cincinnati Children's Hospital Medical Center, both of whom continue to be research collaborators.



"After several years of trying many medications, your test changed my life."

- Ronni S.
New York, NY

GeneSight is based on pharmacogenomics

Pharmacogenomics is the study of how genes affect a person's response to medications. Inherited genetic variations may not be predictable without testing. We inherit one copy of a gene from each parent, such that parents and siblings can often have different medication responses.



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The GeneSight Report: An objective and personalized approach

GeneSight gives your healthcare provider the objective, scientific information to take an individualized approach to your treatment plan. GeneSight uses color-coding to clearly show which medications are more likely to work for you based on your genetic makeup.

GeneSight® Psychotropic
COMBINATORIAL PHARMACOGENOMIC TEST



Patient, Sample

DOB: 7/22/1984
Order Number: 9904
Report Date: 10/23/2015
Clinician: Sample Clinician
Reference: 1456CIP

Questions? Call 855.891.9415 or email medinfo@assurexhealth.com

ANTIDEPRESSANTS

USE AS DIRECTED	MODERATE GENE-DRUG INTERACTION	SIGNIFICANT GENE-DRUG INTERACTION
desvenlafaxine (Pristiq®)	trazodone (Desyrel®) 1	bupropion (Wellbutrin®) 1,6
levomefeticipran (Fetzima®)	venlafaxine (Effexor®) 1	mirtazapine (Remeron®) 1,6
vilazodone (Viibryd®)	selegiline (Emsam®) 2	amitriptyline (Elavil®) 3,8
	fluoxetine (Prozac®) 1,4	clomipramine (Anafranil®) 1,6,8
	citalopram (Celexa®) 3,4	desipramine (Norpramin®) 1,6,8
	escitalopram (Lexapro®) 3,4	doxepin (Sinequan®) 1,6,8
	sertraline (Zoloft®) 3,4	duloxetine (Cymbalta®) 1,6,8
		imipramine (Tofranil®) 1,6,8
		nortriptyline (Pamelor®) 1,6,8
		vortioxetine (Brintellix®) 1,6,8
		fluvoxamine (Luvox®) 1,4,6,8
		paroxetine (Paxil®) 1,4,6,8

ANTIPSYCHOTICS

USE AS DIRECTED	MODERATE GENE-DRUG INTERACTION	SIGNIFICANT GENE-DRUG INTERACTION
asenapine (Saphris®)	fluphenazine (Prolixin®) 1	chlorpromazine (Thorazine®) 1,6
lurasidone (Latuda®)	olanzapine (Zyprexa®) 1	aripiprazole (Abilify®)
paliperidone (Invega®)	quetiapine (Seroquel®) 1	brexipirazole (Rexulti®)
thiothixene (Navane®)	clozapine (Clozaril®) 1,8	iloperidone (Fanapt®)
ziprasidone (Geodon®)	haloperidol (Haldol®) 1,8	perphenazine (Trifluor®)
		risperidone (Risperdal®)
		thioridazine (Mellaril®)

Report will be different for each person

CLINICAL CONSIDERATIONS

- 1: Serum level may be too high, lower doses may be required.
- 2: Serum level may be too low, higher doses may be required.
- 3: Difficult to predict dose adjustments due to conflicting variations in metabolism.
- 4: Genotype may impact drug mechanism of action and result in reduced efficacy.
- 6: Use of this drug may increase risk of side effects.
- 8: FDA label identifies a potential gene-drug interaction for this medication.

All psychotropic medications require clinical monitoring.

This report is not intended to imply that the drugs listed are approved for the same indications or that they are comparable in safety or efficacy. The brand name is shown for illustrative purposes only; other brand names may be available. The prescribing physician should review the prescribing information for the drug(s) being considered and make treatment decisions based on the patient's individual needs and the characteristics of the drug prescribed.

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Your information is private and protected

We take privacy and security very seriously. That's why we analyze all GeneSight tests at our own accredited lab, so we can assure you of the quality and security of your test. Your genetic information is protected through various federal laws, including HIPAA (Health Insurance Portability and Accountability Act) and GINA (Genetic Information Nondiscrimination Act), which ensure the security of your personal and genetic information. For more information, please visit www.genesight.com.

GeneSight is affordable

Many insurance plans, Medicare, and Medicaid cover GeneSight. Plus, Assurex Health has developed the **GeneSight Financial Assistance Program** to help make GeneSight affordable

for those who qualify. Ask your healthcare provider for a GeneSight Patient Billing Guide. Learn more at genesight.com or call our Customer Service team at 866.757.9204 to see if you qualify for assistance.



Wonders

Today's the day to start getting more individualized treatment

Stop wondering which medication may help you or trying several different medications to find one that could work. With GeneSight, your healthcare provider can take a personalized approach to prescribing medication for you.

Ask your healthcare provider today about GeneSight

GeneSight tests

GeneSight can help healthcare providers select FDA-approved medicines to treat the following conditions:

GeneSight Tests	Example Conditions
Psychotropic	Depression, Anxiety, Bipolar disorder, Panic disorder, Post-traumatic stress disorder (PTSD), Premenstrual dysphoric disorder, Obsessive-compulsive disorder (OCD), Schizophrenia
Analgesic	Acute and chronic pain, Opioid dependency, Osteoarthritis (OA), Rheumatoid arthritis (RA), Juvenile rheumatoid arthritis (JRA)
ADHD	ADHD, ADD, Narcolepsy
MTHFR	Folic acid (folate) deficiency

Learn more at genesight.com

- A start-the-talk guide to use with your healthcare provider
- Patient stories
- Frequently asked questions about GeneSight
- Information about pharmacogenomics and genes
- And more

For more information about GeneSight, please visit our website, www.genesight.com, or contact us at:

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Billing

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