



Why genetic testing?

Genetic factors play an important role in how an individual responds to various medications. Clinical studies have shown that small differences in our genetic makeup can affect how certain medications are processed in the body. This helps explain why some medications work better for some people than others.

In just 2-3 weeks, Mental Health DNA Insight® can help a physician understand how a patient metabolizes certain psychiatric medications and identify which medication a patient is more likely to respond to. This test can enable a physician to choose an appropriate medication with less trial and error as well as minimizing a patient's risk of adverse side effects.

Mental Health DNA Insight®

Mental Health DNA Insight® analyzes a patient's DNA to identify genetic variants that affect the metabolism and efficacy of psychiatric medications. Genetic research suggests that categorizing individuals based on genotypes will make the pharmacologic treatment of psychiatric illnesses more predictable and effective.

Mental Health DNA Insight® can help a physician predict a patient's response to over 50 common antidepressants, mood stabilizers and antipsychotic medications. The report provides outcomes in a clear color-coded chart.

**Interested in learning more?
Visit www.pathway.com today!**

Mental Health DNA Insight®

- **Green** indicates that the drug can be prescribed and used according to the product insert.
- **Orange** signals caution. For medications in this category, the outcome may indicate that dosing levels need to be lowered or increased. The drug's side effects may cause an adverse reaction for this patient.
- **Red** indicates medications that should be used with caution and with more frequent monitoring, due to risk of severe adverse reaction or lack of therapeutic response. Alternative medications are strongly recommended.

Drug Class	Drug	Preferential Use	Use As Directed	May Have Significant Limitations	May Cause Serious Adverse Events
SSRI Antidepressants	Citalopram			●	
	Escitalopram		●		
	Fluoxetine			●	
	Fluvoxamine			●	
	Paroxetine			●	
	Sertraline			●	
	Vilazodone			●	



Pathway Genomics Corporation

4755 Nexus Center Drive
San Diego, CA 92121

Client Services

Phone: 877.505.7374
Monday - Friday
8:00 a.m. - 5:00 p.m. (PST)
clientservices@pathway.com

About Pathway Genomics Corporation

Founded in 2008, Pathway Genomics is a global genetic testing company with mobile health applications designed to empower physicians and their patients to take control of their health and wellness. Located in San Diego, California, Pathway Genomics is accredited by the College of American Pathologists (CAP) and the Clinical Laboratory Improvement Amendments (CLIA). Pathway Genomics is committed to developing new and innovative products while providing cost-effective testing options.

Pathway Genomics offers genetic testing for multiple specialties including oncology, pharmacogenomics, and general health and wellness. Our menu of tests consists of liquid biopsy, hereditary cancer, cardiac health, carrier screening, diet and weight loss, as well as metabolism response for many commonly prescribed medications.

For more information about Pathway Genomics, visit www.pathway.com.



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Mental Health DNA Insight® provides information on the following:

This saliva-based test is supported by scientifically validated genetic testing technologies using clinically relevant markers and assays.

SSRI Antidepressants

- Citalopram
- Escitalopram
- Fluoxetine
- Fluvoxamine
- Paroxetine
- Sertraline
- **Vilazodone**

SNRI Antidepressants

- Duloxetine
- **Levomilnacipran**
- Venlafaxine

TCA Antidepressants

- Amitriptyline
- Clomipramine
- Desipramine
- Doxepin
- Imipramine
- Nortriptyline
- **Protriptyline**
- Trimipramine

Other Antidepressants

- **Bupropion**
- **Buspiron**
- Mirtazapine
- **Nefazodone**
- **Trazodone**
- **Vortioxetine**

Mood Stabilizers

- Carbamazepine
- **Divalproex**
- Lamotrigine
- Oxcarbazepine
- **Phenytoin**
- **Valproic acid**

Benzodiazepines

- **Alprazolam**
- **Clobazam**
- **Diazepam**

ADHD Medication (NE Reuptake Inhibitor)

- **Atomoxetine**

Typical Antipsychotics

- Haloperidol
- Perphenazine
- **Pimozide**
- Thioridazine
- Zuclopenthixol

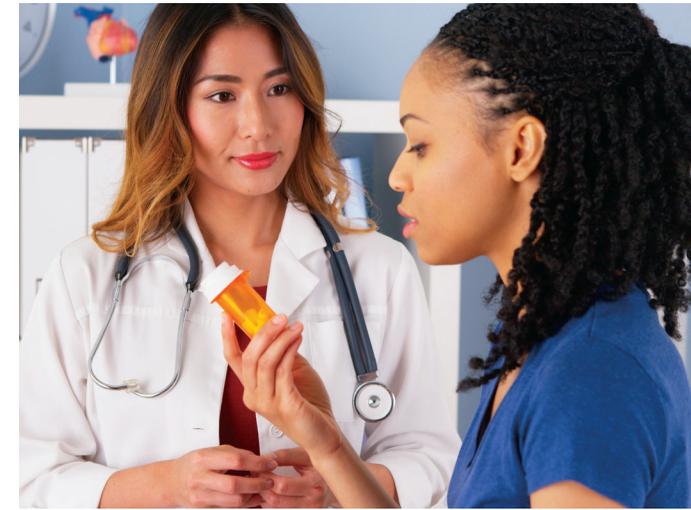
Atypical Antipsychotics

- Aripiprazole
- Asenapine
- Clozapine
- Iloperidone
- Lurasidone
- Olanzapine
- Paliperidone
- Quetiapine
- Risperidone
- Ziprasidone

Others

- **Dextromethorphan and Quinidine**
- **Galantamine**
- **Modafinil**
- **Tetrabenazine**

Mental Health DNA Insight®



Enabling a faster time
to an effective solution