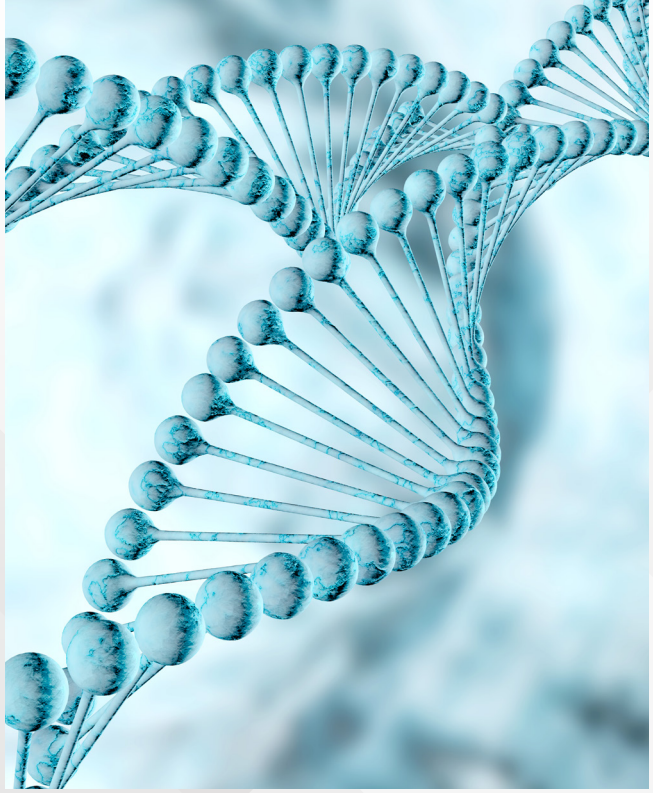
What information will be shared with Deep Genomics?

Privacy is very important to all of us. The following information will be combined and shared from every test:

1. The number of tests run.
2. The number of tests with a positive result (two changes in the *ATP7B* gene).
3. The number of tests with the gene change that Deep Genomics is targeting in the upcoming clinical trial (c.1934T>G, p.Met645Arg).

The following information will only be shared with your permission. You can choose which items from the list you feel comfortable sharing. All information will be de-identified and combined with others who agree to share it. The more Deep Genomics knows about your condition, the better equipped we are to precisely target it!

1. Your age group if you have a positive test (two changes in the *ATP7B* gene).
2. Your ethnicity if you have a positive test (two changes in the *ATP7B* gene).
3. Your doctor's geographic region (state or province) if your test identifies the c.1934T>G, p.Met645Arg gene change.
4. A list of all *ATP7B* gene changes identified by the testing.
5. A summary of your basic symptoms if you have a positive test (two changes in the *ATP7B* gene).



QUESTIONS?

For questions about the testing, please speak with your doctor. If your doctor has additional questions, they can contact: PreventionGenetics at support@preventiongenetics.com, or visit the website at: PreventionGenetics.com/sponsoredTesting/DeepGenomics

For questions about the Wilson disease program, you or your doctor can contact: Deep Genomics at wilsondisease@deepgenomics.com or visit the website: www.deepgenomics.com

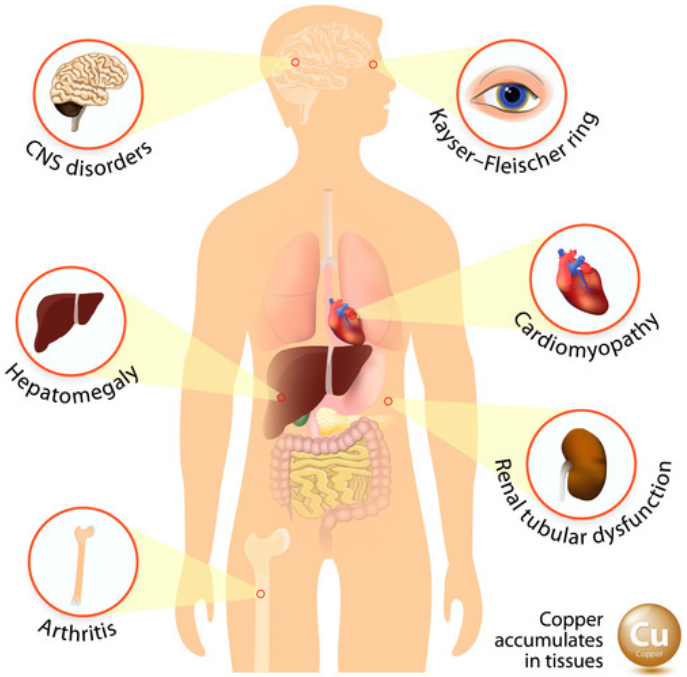
NO-COST
PATIENT TESTING PROGRAM FOR

WILSON DISEASE

SPONSORED BY deep genomics

PATIENT INFORMATION

Wilson Disease



Wilson disease (WD) is a genetic condition in which excess copper builds up in the body. The condition results from a change (mutation) in each copy of the ATP7B gene and is inherited in an autosomal recessive pattern. There are two main features of WD: liver disease and neurologic/psychiatric symptoms. Many patients also have deposits of copper in the eye called Kayser-Fleischer rings. The diagnosis of WD is confirmed through blood and urine tests that measure copper and ceruloplasmin (copper transporter) levels. Current treatment strategies include chelators, zinc salts, and a special diet to reduce copper levels in the body. Liver transplant may be necessary for some patients with advanced liver failure.

Deep Genomics is developing a new therapy that will target the genetic defect in some patients with WD. The specific genetic change that will be targeted is c.1934T>G, p.Met645Arg. In order to be eligible for any potential clinical trial with this therapy, patients must have symptoms of WD and have this genetic variant. To enable easier access to genetic testing, Deep Genomics is sponsoring free *ATP7B* testing through a partnership with PreventionGenetics.

To learn more about this program and for answers to questions about the rationale for testing, eligibility criteria, testing information, and privacy protections, please continue reading.

Note: If you are a parent of a child with WD, for the remainder of the brochure, "you" refers to your child.

Why is Genetic Testing for Wilson disease (WD) important?

Genetic testing can provide further confirmation of the diagnosis. It can also provide information to other family members who may be at risk of developing symptoms of WD or passing it on to future generations (carriers). Additionally, as therapies are being developed that target the underlying genetic mutation, genetic testing may be key to participating in any potential upcoming clinical trials.

Who is eligible for testing?

1. You must have a clinical diagnosis of WD and at least two of the following:
   a. Symptoms of WD.
   b. A history of abnormal copper/ceruloplasmin levels in the blood or urine.
   c. Treatment for WD is considered or was initiated.
   d. When symptoms began, 3+ Leipzig score (scale that predicts the likelihood of a WD diagnosis).
2. You have not had *ATP7B* genetic testing previously or previous testing only found one change in the gene.
3. You live in the United States or Canada.

What is involved in ordering testing?

1. Your doctor (general practitioner/family doctor, pediatrician, WD specialist, etc) must order the test. Contact your doctor to set up an appointment to discuss the test.
2. You will need to provide a blood, saliva, or buccal sample. Blood draw at your doctor's office or hospital may be done or a sample collection kit can be sent to your home or your doctor's office.

When will results be available?

Results will be delivered within 18 days from the time your sample is received, and the test is ordered. The report will be sent to your doctor and will NOT be shared with Deep Genomics. You can ask your doctor whether they prefer to discuss the results by phone or set up an appointment. A referral to a geneticist or genetic counselor may be appropriate to discuss the results in further detail.