CarrierMap℠

Plan for a healthy family

CooperGenomics℠
a CooperSurgical company

Reprogenetics℠ Recombine℠ Genesis Genetics℠

Are you...

Planning a pregnancy?

Early in pregnancy?

Receiving fertility treatment?

Interested in your carrier status?

The CarrierMap[SM] screen is designed to help prospective parents like you have a healthy child.

A GENETIC TEST FOR PROSPECTIVE PARENTS

CarrierMap is a screening test that looks for changes in your DNA to assess your risk of having a child with a genetic disease.

Your DNA is sectioned into **genes** that provide important instructions for the body to grow and function. Sometimes changes, or **mutations**, in genes can lead to genetic disease, significantly impacting one's health and well-being.

We have two copies of most genes in our body. **Genetic disease** occurs when someone doesn't have enough working copies of a gene. **Carriers** of a particular condition have one normal gene copy and one non-working copy. Carriers are typically healthy, but they may be at an increased risk of having a child with the condition they carry.

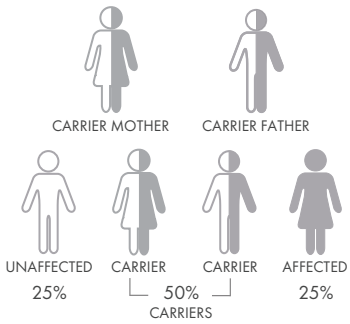
The **CarrierMap** screen tells you if you are a carrier for any of over 300 genetic conditions, so you can plan for a healthy family.

HOW ARE GENETIC DISEASES INHERITED?

Different genetic diseases are passed down in different ways. The CarrierMap screen includes 300+ conditions that are passed down in an "autosomal recessive" or "X-linked" manner.

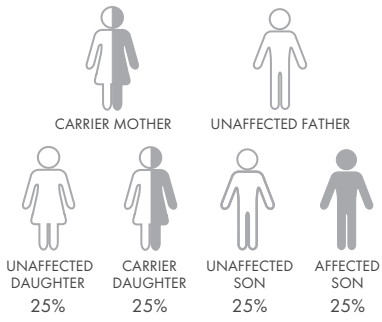
AUTOSOMAL RECESSIVE CONDITIONS

If both partners are carriers of an autosomal recessive genetic disease, their child has a 1 in 4 (25%) chance of having that genetic disease. If only one partner is a carrier, the chance to have an affected child is significantly reduced but not eliminated.



X-LINKED CONDITIONS

If the female partner is a carrier of an X-linked genetic disease, her male child has a 1 in 2 (50%) chance of having that genetic disease.



THE CARRIERMAP℠ SCREEN

The CarrierMap screen includes a wide variety of conditions found in people of all different ethnic backgrounds, such as:

- Cystic Fibrosis
- Fragile X Syndrome
- Spinal Muscular Atrophy
- Sickle-Cell Disease
- Tay-Sachs Disease

A complete list can be found at www.coopergenomics.com/diseases.

YOUR SCREENING RESULTS

For each condition, your CarrierMap screening results will identify you as a carrier or as a non-carrier. Being identified as a carrier is common.

A combination of your results, your partner's results, and the manner in which the condition is inherited contribute to your overall risk of having an affected child.

EXPERT GENETIC COUNSELING

Genetic counselors are specially trained, board-certified individuals prepared to help you navigate the complicated world of genetics.

CooperGenomics has a team of experienced genetic counselors available to help explain your CarrierMap screening results and what they mean in the context of your medical and family history, empowering you to make informed reproductive decisions.

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Testing is performed by Reprogenetics, Recombine, Genesis Genetics, or other clinical laboratories affiliated with CooperGenomics.

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