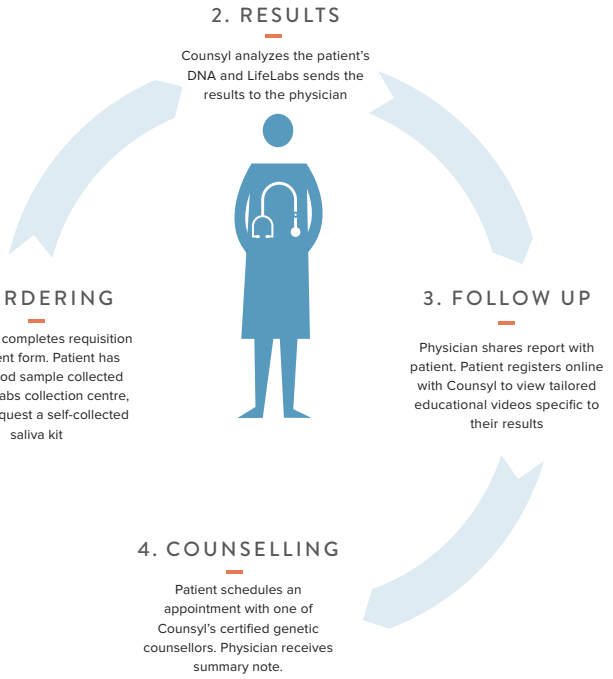
ORDERING PROCESS



OUR TEAM OF GENETIC COUNSELLORS ARE BY YOUR SIDE

"Having all that knowledge will lead to better decisions for myself, for my wife, for my future family."

—Rajeev
partner tested positive

it's Good to Know

You can take the Family Prep Screen before or during pregnancy

It's normal to be a carrier – what you really want to know is if both partners are carriers of the same disease

Most carriers have no family history of the disease within their family

LifeLabs Genetics™
1–84-GENEHELP (1-844-363-4357)
Ask.Genetics@LifeLabs.com
www.lifelabsgenetics.com

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Counsyl

CSYL001 | V.1 | MAR 2015 PATIENT PAMPHLET

COUNSYL FAMILY PREP SCREEN

BROUGHT TO YOU BY:
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THE COUNSYL FAMILY PREP SCREEN

WHAT IS THE FAMILY PREP SCREEN?

The Counsyl Family Prep Screen, as prescribed by your physician, can detect over 100 health conditions that can be passed unknowingly from parent to child, many of which you may have heard of:

- Cystic fibrosis — affecting the lungs and pancreas, requiring lifelong treatment or lung transplantation
- Fragile X syndrome — the leading inherited cause of intellectual disabilities and autism
- Tay-Sachs disease — a metabolic disorder that often causes death within the baby's first few years
- Sickle cell anemia — affecting the blood's ability to carry oxygen to all parts of the body

A full list of diseases that the Counsyl Family Prep Screen tests for is available at www.lifelabsgenetics.com.

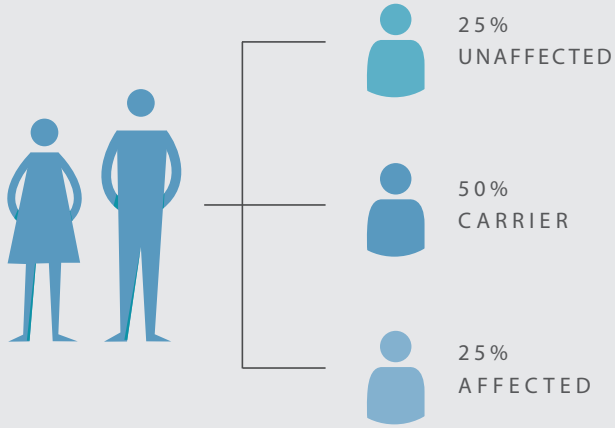
WHO SHOULD BE SCREENED?

Physician societies such as ACOG and ACMG recommend that anyone planning a pregnancy or pregnant women should be offered carrier screening. The Counsyl Family Prep Screen provides a simple screening option which ensures the most comprehensive analysis for all individuals independent of ethnic background.

Couples can choose to screen both partners simultaneously. This is a good option if getting all of the answers quickly is your priority.

I DON'T HAVE A FAMILY HISTORY OF DISEASES — SHOULD I STILL BE SCREENED?

Even without a family history of disease, you can still be a carrier. When two people are carriers of the same disease, they can unknowingly have a child with lifelong health issues. In fact, 4 out of 5 children with recessive genetic diseases are born to couples with no known family history of that disease.



Autosomal Recessive Inheritance

WHAT IS CARRIER SCREENING?

A carrier screen analyzes a person's genes in order to determine if that person is a recessive genetic disease carrier. A screen is able to detect many, but not all, carriers of a disease.

WHAT IS A RECESSIVE DISEASE AND WHAT IS A CARRIER?

Recessive diseases are caused by changes (called mutations) in a person's genes. Every person has two copies of most genes, one inherited from each parent. A recessive disease occurs when both copies of the same gene have a mutation.

A carrier is someone who has only one gene with a mutation and one gene that is unaffected. Carriers are typically symptom-free and do not know they carry a mutation.

Some of the diseases on the Family Prep Screen are inherited differently — only the female needs to be a carrier to have a baby at risk. Fragile X syndrome is an example of this.

WHAT IF I FIND OUT I AM A CARRIER?

It is important for you to know that you have options. When two parents are carriers of the same genetic disease, each child has a 1 in 4 (or 25%) chance of having that disease. For certain diseases, such as Fragile X syndrome, only the mother needs to be a carrier for the child to have a high risk. Your physician is available to guide you through the various options to find out what is best for you. Knowing your carrier status before or early in your pregnancy gives you time to learn about the disorder and prepare.

WHAT IF I AM NOT A CARRIER?

Generally, no follow-up testing is suggested for the diseases screened. It is important to understand that no screen is able to identify every carrier of every disease. You should also know that while the Family Prep Screen covers a lot of information, we cannot screen for all possible birth defects and genetic diseases.

Speak to your physician if you have special concerns due to family history or other factors.

HOW CAN I GET SCREENED?

The Counsyl Family Prep Screen is a simple blood or saliva test prescribed by your physician. The average turnaround time for results is two weeks.

If you have questions about carrier screening, contact LifeLabs Genetics at Ask.Genetics@LifeLabs.com or 1-844-363-4357.

If you have questions about your results, you can ask your physician or schedule a complimentary appointment at www.counsyl.com/counseling.

Visit **www.lifelabsgenetics.com** for more information.