horizon™
ADVANCED CARRIER SCREEN
POWERED BY NATERA®

Knowing matters

The Horizon® carrier screen is a DNA screening test that provides information on your chance of having a child with a genetic condition

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Conceive. Deliver.

What is carrier screening?

Carrier screening is a simple blood or saliva test that determines if you are a carrier of one or more autosomal recessive or X-linked genetic conditions.

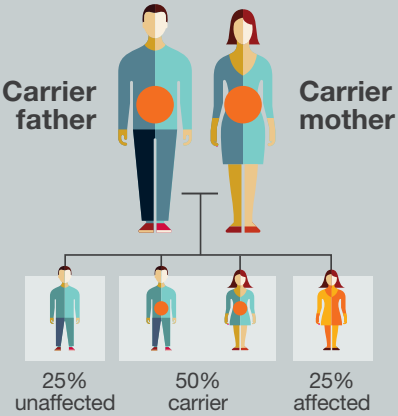
What does it mean to be a carrier?

A carrier of a genetic condition has a change, (or "mutation") in one gene copy of a pair of genes.

- Most people are carriers of at least four to six different genetic conditions
- Most carriers are healthy because the other copy of the gene works normally
- Carriers run the risk of having a child with a genetic condition

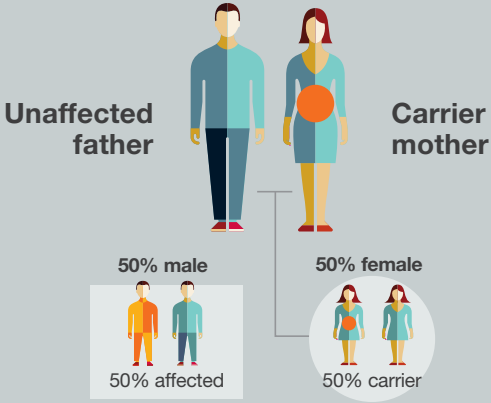
How are genetic conditions passed down from carrier parents to their children?

Autosomal recessive inheritance



If a woman and her partner are both carriers of the same condition, they have a 1-in-4, or 25%, chance with each pregnancy of having a child affected with the condition.

X-linked inheritance



If a woman is a carrier of an X-linked condition, she has a 1-in-2, or 50%, chance with each pregnancy of passing her gene mutation on to a child. If the child is a boy, he has a 50% chance of being affected by the condition.

What does Horizon screen for?

Horizon screens for up to 274 genetic conditions. Your healthcare provider will discuss the available screening options for you, which may include screening for a few or all of the conditions available through Horizon.

Our standard general population panel, Horizon 14, screens for the following conditions:

- Alpha-thalassemia
- Beta-hemoglobinopathies (including sickle-cell anemia)
- Canavan disease
- Cystic fibrosis
- Duchenne/Becker muscular dystrophy
- Familial dysautonomia
- Fragile X syndrome
- Galactosemia
- Gaucher disease
- Medium Chain Acyl-CoA Dehydrogenase Deficiency
- Polycystic kidney disease, autosomal recessive
- Smith-Lemli-Opitz syndrome
- Spinal muscular atrophy
- Tay-Sachs disease

How is Horizon different?

Using the latest technologies, including next-generation sequencing, Horizon screens for up to 274 genetic conditions. Horizon's unique technology provides highly comprehensive screening results for commonly screened conditions, such as cystic fibrosis, spinal muscular atrophy, and fragile X syndrome.

When should I have Horizon carrier screening?

Horizon can be performed any time before or during pregnancy. Ideally, carrier screening is performed before pregnancy. This gives at-risk couples the broadest number of reproductive options.

How do I get started with Horizon?

Horizon is available through your healthcare provider. Not sure if your healthcare provider offers Horizon? Contact Natera to find out more.

You can also learn more about Horizon by scheduling a free information session with one of our board-certified genetic counselors.
Call: 855.271.1502 and press option 2.

What do Horizon results tell me, and when?

Results are returned to your provider in about 2 weeks.

A positive result means that a disease-causing mutation was detected. It is important to determine your partner's carrier status to understand the risks of passing a genetic condition to your child.

A negative result means that no mutations for the conditions screened were found. While a negative result indicates a significantly lower chance of being a carrier, genetic carrier screening cannot detect all disease-causing mutations.

What are my reproductive options if I am a carrier?

If you and your partner are both carriers of the same autosomal recessive condition, or if you are a carrier of an X-linked condition, you may consider:

Natural conception, with an option of prenatal testing, such as amniocentesis or chorionic villi sampling, for the specific condition

In vitro fertilization (IVF) with preimplantation genetic diagnosis (PGD)
Natera offers $99 Spectrum PGD/PGS testing for carriers identified through Horizon*

Use of a sperm or egg donor who is not a carrier for the condition

Adoption

How much is Horizon? Is it covered by insurance?

Horizon is pleased to be an in-network provider with most health plans, including Aetna, Anthem, Cigna, and UnitedHealthcare. Check out our growing list at www.natera.com/in-network-plans.

The cost of Horizon varies according to the screening panel selected and your specific insurance coverage. Based on previously approved claims data, the majority of patients have an out-of-pocket expense between $100 and $200, once their deductible has been met.*

We are sensitive to the costs associated with planning a pregnancy and committed to ensuring that every patient has access to our high-quality tests.

* Restrictions apply, see page 7

**Based on previously approved claims from January 2016 to March 2017. Some patients will owe more; many will owe less.

Take advantage of our supporting services by calling 855.271.1502

Press 1 for blood draw services
Once you have your test kit, find a local blood draw site or schedule an appointment with a mobile phlebotomist.

Press 2 for genetic information sessions
Schedule a complimentary 15-minute call with a board-certified genetic counselor before or after your tests.

Press 3 to learn about billing and costs
Find network health plans, get a cost estimate, and learn about insurance and coverage options.

Get started today at Natera's patient portal:
my.natera.com/go

$99 Spectrum PGD/PGS testing restrictions:

- Both male and female must have completed a Horizon panel (Horizon 4, 27, 106, 137, or 274)
- Prior carrier screening identifying positive risk for a disorder voids special pricing
- Spectrum PGD + PGS must be performed within one year of Horizon screening result
- Promotional price good for one test run
- Shipping and batching fees apply

References:

1. Sun J M, et al., Stem Cells Transl Med. 2017 Dec;6(12):2071-2078
2. Dawson et al., Stem Cells Transl Med. 2017 May;6(5):1332-1339
3. Detailed list of clinical studies and research synopsis across 17 major diseases areas is on file, and available upon request
4. Thermal test report; Studies conducted by Polyfoam Corporation (2017). Data on file available upon request
5. Restrictions apply: https://www.natera.com/cord-blood/disclaimers
6. https://www.technologyreview.com/s/609722/crispr-in-2018-coming-to- a-human-near-you/
7. https://sciencebasedmedicine.org/the-promise-of-crispr/

For a complete list of references please visit: Evercord.com/HRZN-VIP

These tests have been developed and their performance characteristics determined by the CLIA- certified laboratory performing the test. These tests have not been cleared or approved by the U.S. Food and Drug Administration (FDA). Although FDA does not currently clear or approve laboratory-developed tests in the U.S., certification of the laboratory is required under CLIA to ensure the quality and validity of the tests.

Natera and Bloodworks are in a partnership to create Evercord™, an offering that enables expectant parents to collect, store and potentially retrieve their newborn's cord blood and tissue for therapeutic use in transplantation and regenerative medicine applications. The transplant data cited is from Bloodworks' prior experience as a public cord blood bank.

The choice to use cord blood stem cells will depend on a variety of factors. Only a physician can determine when cord blood stem cells should be used; such determination is made on a case by case basis. Many of the conditions currently treated with cord blood stem cells are genetic diseases. There is no guarantee that your physician will choose stem cell transplant over other courses of treatment. Cord tissue stem cells, unlike cord blood stem cells, are not used in any currently proven treatments. Activities for New York State residents are limited to the collection of umbilical cord tissue and the processing and long-term storage of umbilical cord tissue and cord tissue-derived cells. The tissue bank's possession of a New York State license for such collection, processing, and long-term storage does not indicate approval or endorsement of possible future uses or future suitability of these cells.

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Prepare for your baby's future with Evercord

Most US states recommend or mandate educating parents-to-be about cord blood banking.[8]

The bio-repair kit your baby is born with

A proven treatment option: Your baby's umbilical cord is rich in stem cells, which have powerful healing capabilities. Stem cells have been used more than 35,000 times in the treatment of 80 common diseases, including various cancers.[10,11]

Autism and cerebral palsy: These conditions affect 1 in 57 US newborns.[12] Early clinical studies suggest improvement in symptom severity in children who were treated with cord blood stem cells.[12,14]

Once-in-a-life-time: Cord blood collection is done at birth and is easy, painless, and risk-free.

Experience and quality you can trust

The highest quality standards in private banking, thanks to our partnership with one of the oldest and most reputed FDA licensed public banks.

Quality
The kit is designed to preserve a greater number of live stem cells[16]

Experience
More units released for transplant than the other leading banks combined[17]

Guarantee
An industry leading quality guarantee: $100,000 and full refund[18]

Learn more at Evercord.com/why-evercord

To access special Natera VIP savings call 1.844.385.5559 or visit Evercord.com/HRZN-VIP

evercord™
NEWBORN STEM CELL BANKING