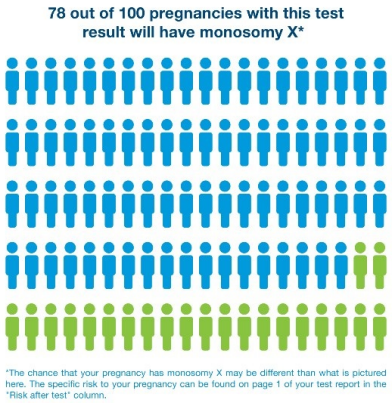
natera™ | Panorama™ Next-generation NIPT

Understanding Your Results

High risk for monosomy X

What do my results mean?

Your results show that your pregnancy has a high risk for monosomy X (also known as Turner syndrome). **This result *does not* mean that your baby has monosomy X**. The specific chance that your baby has monosomy X can be found on page 1 of your test report under "Risk after test." To know for sure whether your baby has monosomy X, you would need to have additional testing. You should not make decisions about your pregnancy based only on this Panorama result, as it is not certain your baby has monosomy X.

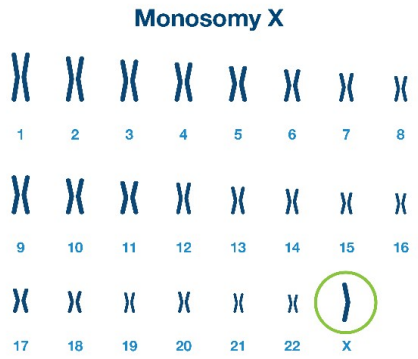


What is monosomy X (Turner syndrome)?

Monosomy X is a genetic condition that about 1 in 2500 females are born with. People with monosomy X are usually shorter than their family members, and they can have heart defects and kidney problems. People with monosomy X usually have normal intelligence, but they can have developmental delay and/or learning problems. Most people with monosomy X do not go through puberty without hormone treatment, and they often have trouble getting pregnant.[1] Many pregnancies with monosomy X end in miscarriage, but babies born with monosomy X usually have a normal lifespan.

What causes monosomy X?

Monosomy X usually happens by chance. Parents cannot cause monosomy X to happen by anything they do before or during pregnancy. Monosomy X happens when a person has a missing sex chromosome. Chromosomes are tiny structures inside our cells that hold our genes and genetic material. Most people have 46 chromosomes that come in 23 pairs in every cell of their bodies. Sex chromosomes are labeled either X or Y. Most people have two X chromosomes or one X and one Y chromosome. People with monosomy X have just one X chromosome.



What can I do next?

You should talk to your healthcare provider about these results. They usually will refer you to a genetic counselor and/or a maternal-fetal medicine specialist to talk about your options for further testing.

If you want to find out if your baby has monosomy X during pregnancy, you can have a test called a CVS (chorionic villus sampling) or an amniocentesis. These tests are diagnostic and will tell you for sure if your baby has monosomy X or not. Both tests have a small risk of miscarriage.

If you do not want these tests during pregnancy, the baby can be tested after birth using blood from the umbilical cord. This testing is also diagnostic and will tell you for sure if your baby has monosomy X.

It is important to have diagnostic testing either during pregnancy or when the baby is born to know for sure if the baby has monosomy X. Changes to medical care and early intervention services can often improve the health and development of a child with monosomy X.

Where can I find more information?

- Turner Syndrome Society of the United States turnersyndrome.org
- Turner Syndrome Foundation turnersyndromefoundation.org
- MedlinePlus medlineplus.gov/genetics/condition/turner-syndrome
- CVS marchofdimes.org/find-support/topics/planning-baby/chorionic-villus-sampling
- Amniocentesis marchofdimes.org/find-support/topics/planning-baby/amniocentesis

NEVA is always available to help you learn about your results. You can connect with Natera's Educational Virtual Assistant (NEVA) by logging into the patient portal at my.natera.com.

If you would like to discuss your results with a Natera genetic counselor, you can schedule a free information session at naterasession.com, by texting SESSION to 636363, or by calling 1.877.476.4743. Please select **Panorama Non-Invasive Prenatal Chromosome Screening Post-Test** as the appointment type.

You can find a local genetic counselor through the National Society of Genetic Counselors at findageneticcounselor.nsgc.org.

1. MedlinePlus [Internet]. Bethesda (MD): National Library of Medicine (US); [updated 2022 Jan 19]. Turner syndrome; [updated 2020 Sept 8; reviewed 2017 Oct 1; cited 2022 Jan 20]; [about 5 p.]. Available from: medlineplus.gov/genetics/condition/turner-syndrome.

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