



## What is Turner Syndrome?

The current and clinical definition of Turner syndrome (TS) is a chromosomal condition that usually describes girls and women with common features, physical traits, and medical conditions caused by the complete or partial absence of the second sex chromosome. TS was first described in the United States in 1938 by Dr. Henry Turner. At the basic level, people with Turner syndrome are missing genetic material that prevents their bodies from growing and maturing naturally. Turner syndrome is variable, and each person will have unique health needs and characteristics.

New information about TS is revealed as research and science progress. As of 2022, the Turner Syndrome Society of the United States recognizes the diagnosis of Turner syndrome in males. We welcome all those with a 45 X cell line. Although we advocate and support the needs of all people with Turner syndrome, we do not have specific resources for males with TS yet.

Early diagnosis is vital so that treatment can begin for any TS-related health issues.

- Short Stature of unknown cause
- Cardiac issues & Kidney irregularities
- Unexplained delayed puberty/ menstruation
- Reduced fertility
- Numerous moles
- Educational difficulties



- Droopy eyelids, low set/prominent ears, narrow roof of mouth
- Neck webbing (from fetal cystic hygroma)
- Hearing Loss (both conductive and sensorineural)
- Recurrent middle ear infections
- Excellent verbal skills/vocabulary

**Believe in Miracles!**

Approximately **98%** of Turner Syndrome pregnancies end in miscarriage, many even before diagnosis. Those who are living with TS truly are miracles!



Down Syndrome: 1 in 700

**Turner Syndrome: 1 in 2,000 - 4,000**

Cystic Fibrosis: 1 in 3.5k

### How Common is Turner Syndrome?

**DID YOU KNOW?**

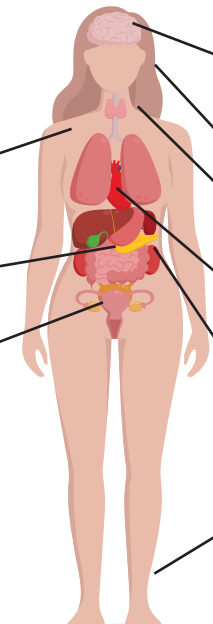
TS can be diagnosed

- During fetal life
- In infancy
- During late pre-teen period (8-12 years)
- Late adolescence/adulthood.

A simple blood test is used to determine the karyotype (chromosome makeup).

### Some Health Issues Related to Turner Syndrome

**SLOWER PROCESSING SPEED, REPETITIVE THOUGHTS, ANXIETY/DEPRESSION ARE ALSO COMMON.**



- Educational Difficulties
- Hearing Loss
- Thyroid Disease
- Hypertension, Heart Abnormalities
- Kidney and Liver Concerns, Type I and II Diabetes
- Lymphedema (swelling)
- Scoliosis, osteopenia, and osteoporosis
- Celiac/Chron's Disease
- Reduced Fertility

Turner syndrome is a variable condition. Not every person will be affected in the same way or to the same degree.