



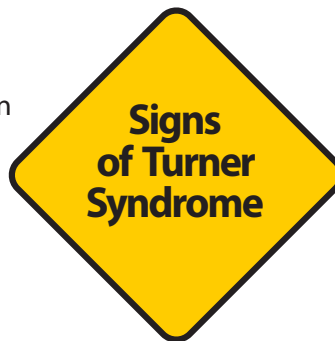
## What is Turner Syndrome?

Turner syndrome (TS) was discovered in 1938 and defined as a chromosomal condition describing females\* with common features, physical traits, and medical conditions caused by the complete or partial absence of the second sex chromosome. TS affects people differently, so each person has unique health needs and characteristics. Early diagnosis is vital to treat TS-related health issues and health maintenance is necessary throughout life.

\*Although TS is defined as a female condition, our organization understands males with a 45 X cell line may be diagnosed with TS.

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

- Short stature (under 5')
- Small lower jaw
- Recurrent middle ear infections
- Unexplained delayed puberty/menstruation
- Upturned fingernails/toenails
- Cardiac issues & kidney irregularities
- Non-functioning ovaries/reduced fertility
- Numerous moles
- Droopy eyelids, down-turned eyes



- Shorter thicker neck
- Low-set, prominent ears
- Hearing loss (conductive & sensorineural)
- Recurrent middle ear infections
- Hip dysplasia
- Excellent verbal skills/vocabulary
- Educational and behavioral difficulties
  - Slower cognitive processing
  - Repetitive thoughts/ADHD
  - Anxiety/Depression
  - Social skills deficiency

## 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!



DID YOU?  
KNOW

### TS can be diagnosed

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

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

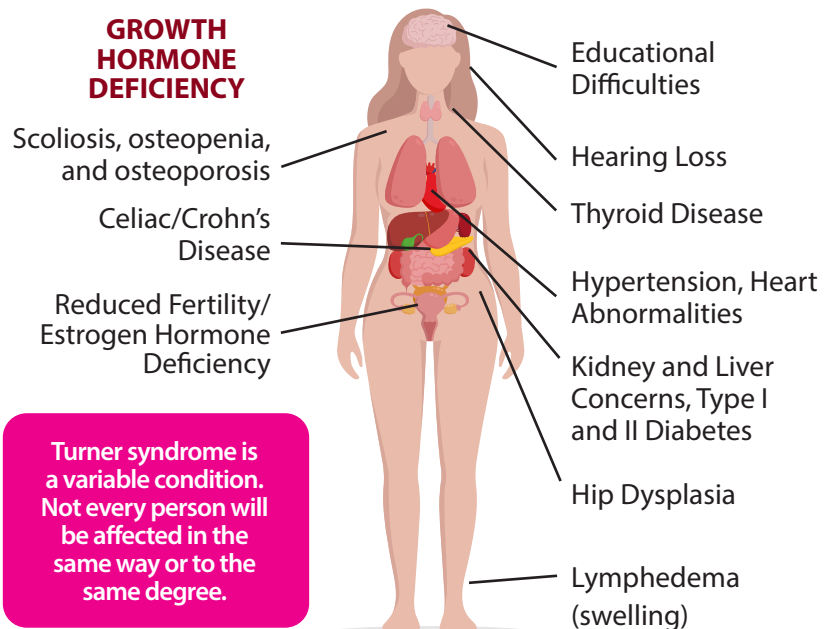
Down Syndrome: 1 in 700

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

Cystic Fibrosis: 1 in 3.5k

## How Common is Turner Syndrome?

## Some Health Issues Related to Turner Syndrome



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