

FACT SHEET



NATIONAL FRAGILE X
FOUNDATION



What is Fragile X?

Fragile X syndrome is an inherited intellectual and developmental disability and is the leading, known inherited cause of intellectual disability and Autism Spectrum Disorder.



Fragile X Syndrome

FXS is a genetic condition caused by a full mutation of the FMR1 gene. Symptoms include intellectual disability, behavioral and learning challenges, and various physical characteristics.



Fragile X-associated Primary Ovarian Insufficiency

FXPOI occurs in 22% of female carriers and is a cause of infertility, early menopause, and other ovarian problems.



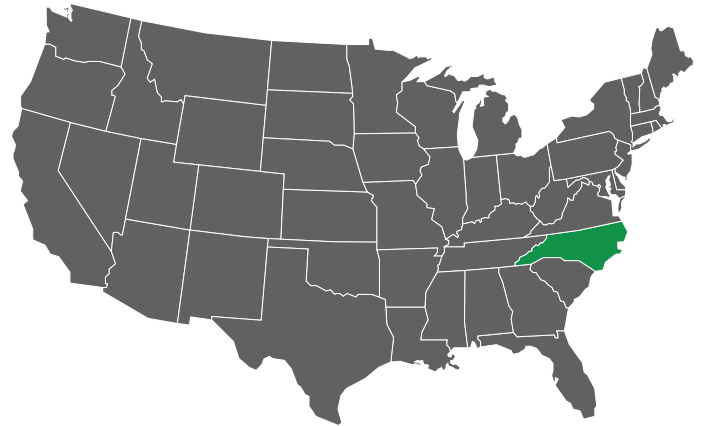
Fragile X-associated Ataxia/Tremor Syndrome

FXTAS is an adult-onset (age 50+) condition that causes neurological and psychiatric symptoms in carriers. It is commonly misdiagnosed as Parkinson's.



What conditions benefit from Fragile X research?

- Alzheimer's Disease
- Parkinson's Disease
- Down Syndrome
- Autism Spectrum Disorders
- Cystic Fibrosis
- Polycystic Ovarian Syndrome
- Epilepsy
- ALS



How common is Fragile X?

U.S.

1.5 million carriers
100,000 with FXS

NORTH CAROLINA

48,000 carriers
3,200 with FXS



How is Fragile X diagnosed?

Through a simple DNA blood test.



Is there a cure?

Not yet.

Researchers are working on gene therapies and protein synthesis for long-term treatments.

Until they are successful, doctors can only treat the symptoms for the many Fragile X related conditions.



Want to know more?

- fragilex.org
- contact@fragilex.org