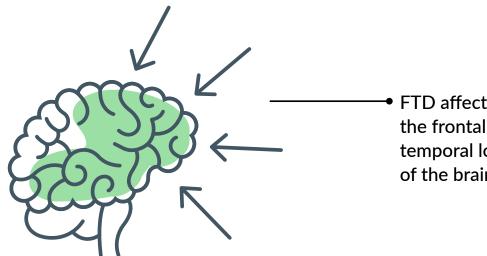


frontotemporal dementia?

This neurodegeneration causes areas of the brain to shrink, which is called atrophy

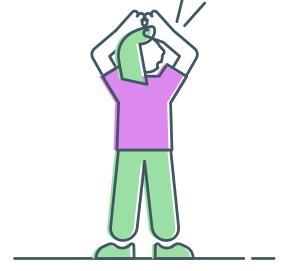


Neurodegeneration is progressive, meaning it worsens over time.



FTD affects the frontal and temporal lobes of the brain

This results in extreme changes in behavior, mood, personality, language, and movement

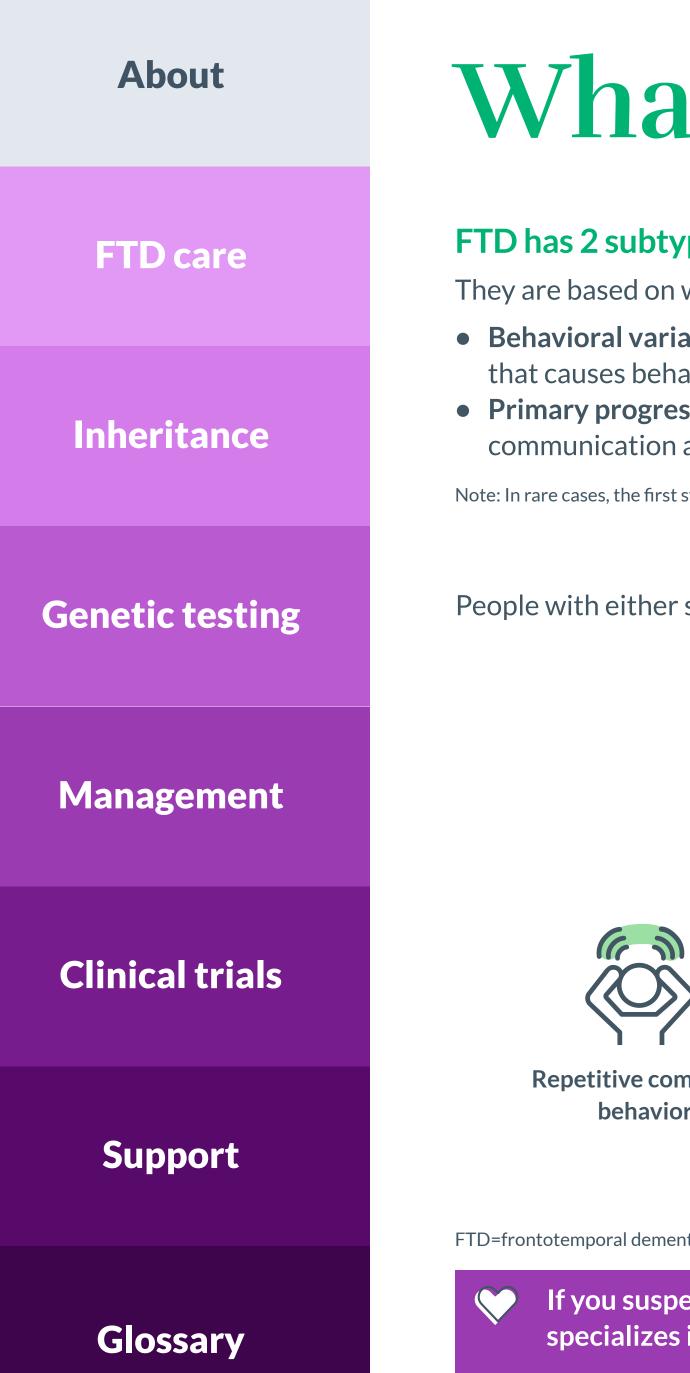


Despite limited options, doctors who specialize in FTD can do a lot to provide you or your loved one









What are the symptoms of FTD?

FTD has 2 subtypes

They are based on which symptoms appear first and are most significant

- **Behavioral variant FTD (bvFTD)** is the most common type of FTD that causes behavioral symptoms
- Primary progressive aphasia (PPA) is associated with changes in communication ability

Note: In rare cases, the first symptoms will be movement-related.

People with either subtype may present changes in behavior, speech, and thinking:



Loss of inhibition



Repetitive compulsive behaviors

Lack of sympathy or empathy

FTD=frontotemporal dementia.

If you suspect that you or your loved one has FTD, it is important to go to a neurologist who specializes in FTD to make sure you get the answers you're looking for.

FTD symptoms can look like other common disorders

Doctors may misdiagnose FTD as a mental health issue rather than a neurological disorder. It can also be misdiagnosed as Alzheimer's disease. However, FTD tends to occur at a younger age (40-65 years) than Alzheimer's.



Apathy (lack of interest)



Social withdrawal



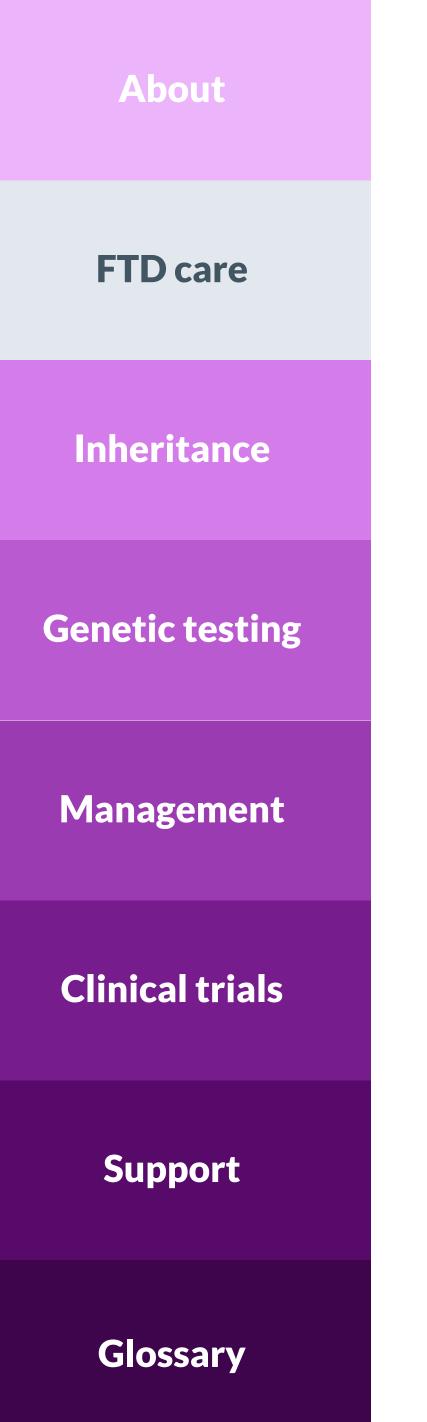
Decline in ability to plan, focus, and get things done



Difficulty speaking or choosing words







What types of specialists care for someone with FTD?

Many different healthcare professionals may be involved in caring for someone with FTD-they often work together as a team to provide the best care.

Specialists and their role in FTD care



Neurologist and nursing team

- Diagnosis
- Manage neurological symptoms



Psychologist/psychiatrist

- Suspect FTD and refer to neurologist
- Manage psychological symptoms



Primary care physician

• Help identify symptoms and refer to specialists

FTD=frontotemporal dementia.



A dedicated care team might be best for you or your loved one. To find a care team, you can search for nearby centers that specialize in FTD. These centers can connect you with experienced specialists.



Social worker/case manager

• Assist with life planning and healthcare





Speech therapist and nutritionist

- Manage speaking and language symptoms
- Assist with eating/swallowing



Physical therapist

• Manage motor symptoms



Occupational therapist

• Help adapt activities to accommodate symptoms

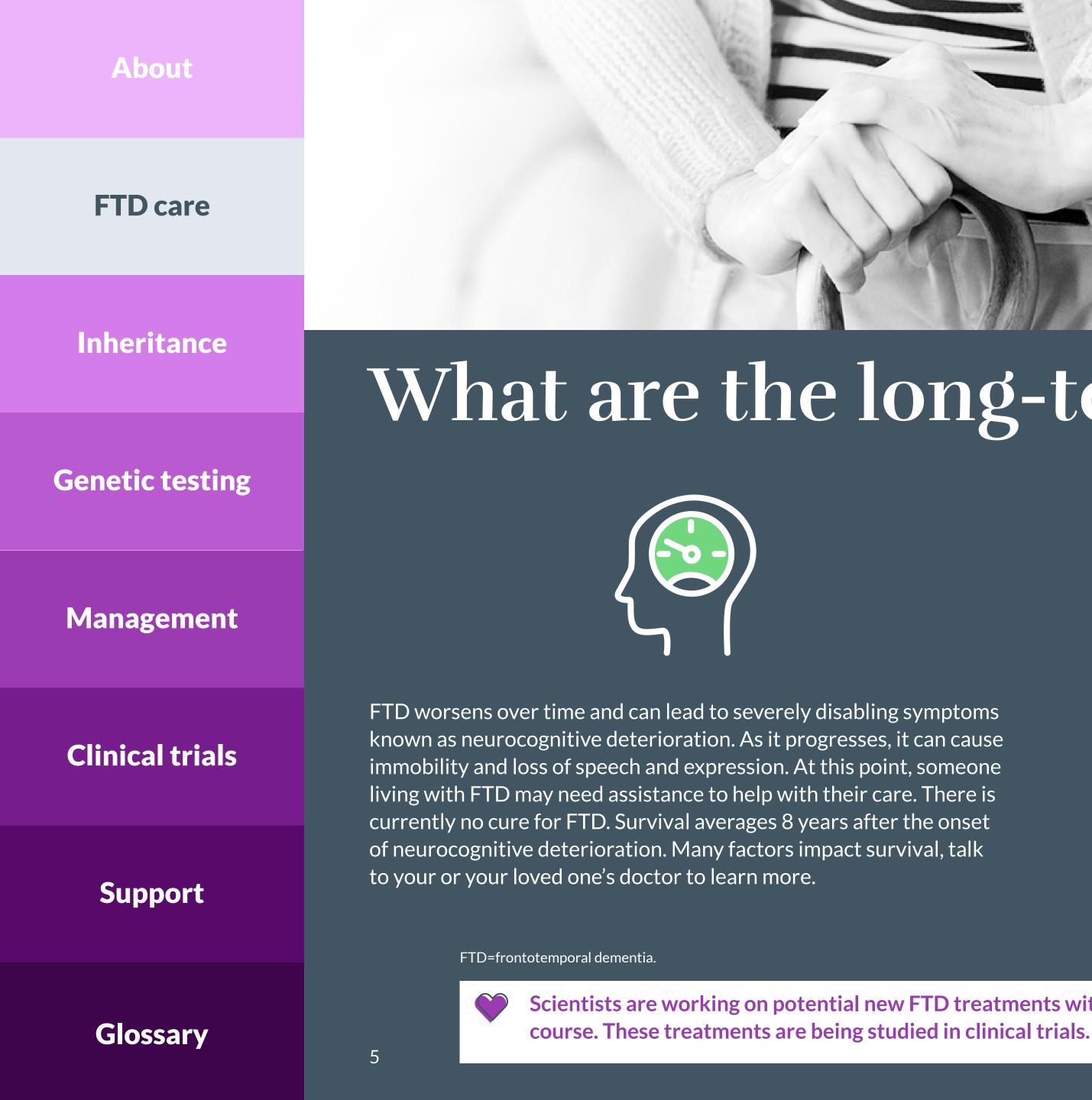
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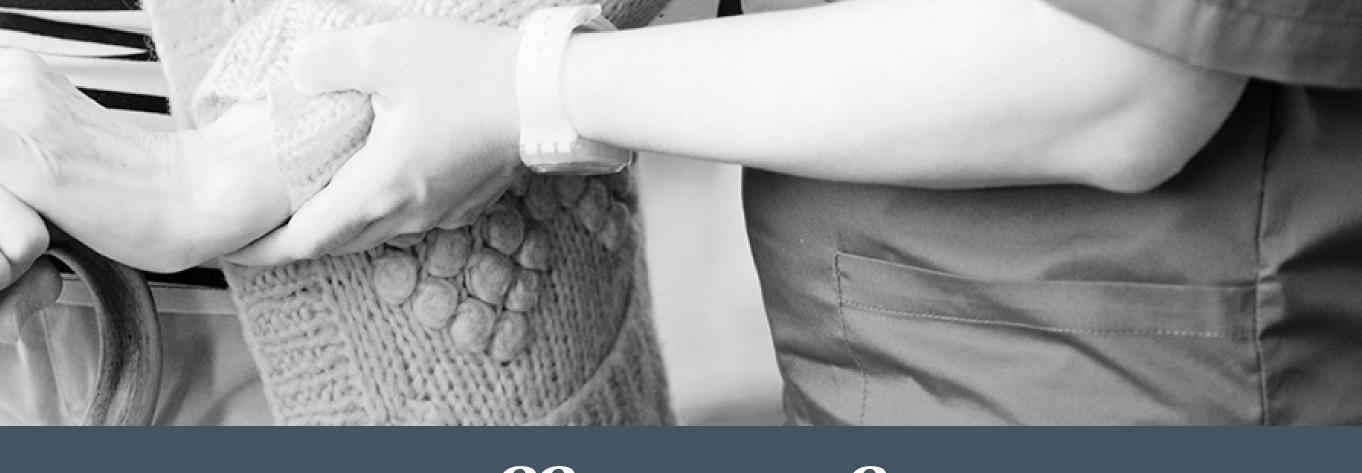
Genetic counselor

- Help plan and explain genetic tests
- Provide support and guidance









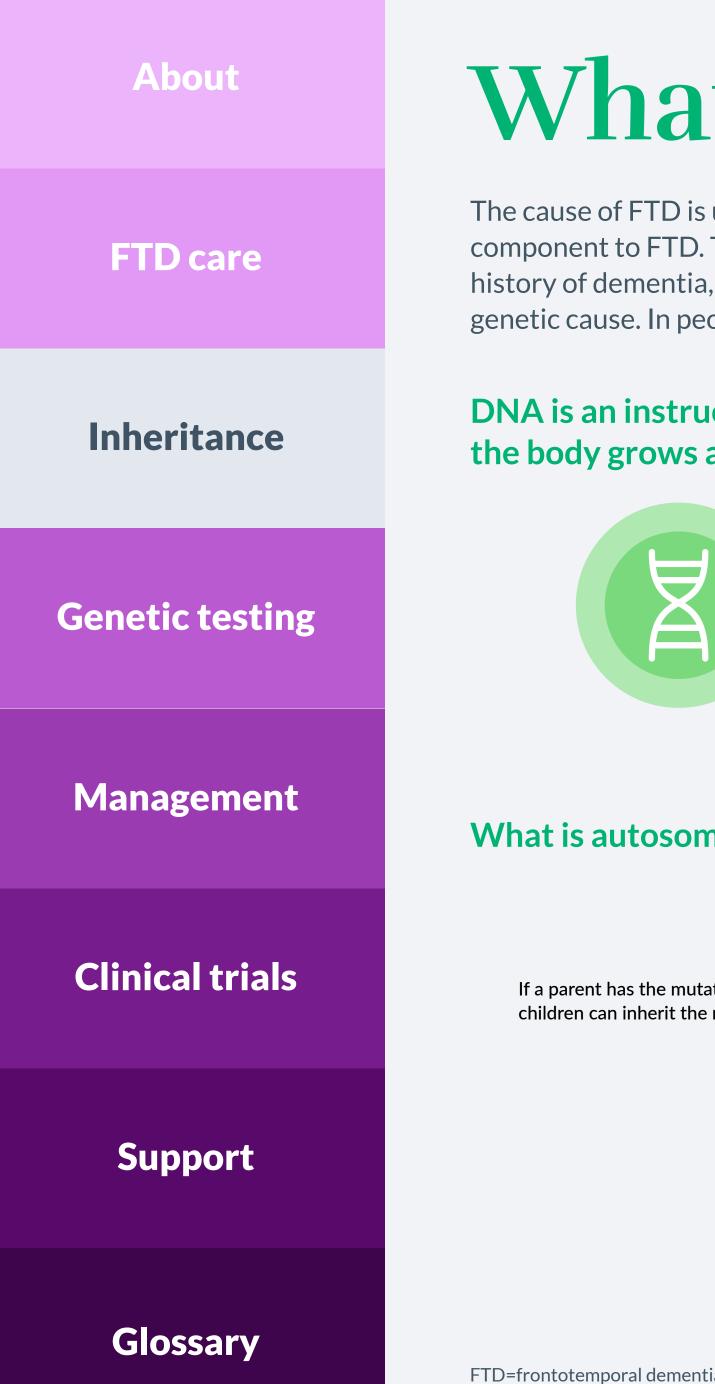
What are the long-term effects of FTD?



If you've been diagnosed with FTD, help is available. There are several organizations that support families living with the daily challenges that come with FTD. See our **support page** for more information.

Scientists are working on potential new FTD treatments with the hope of altering the disease

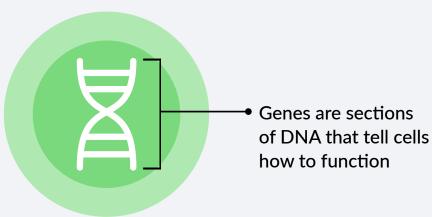




What causes FTD?

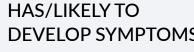
The cause of FTD is unknown for a majority of people with the disease. Over time, we've learned there is a strong genetic component to FTD. This means that there may be a family history of FTD. Up to 40% of people with FTD have a family history of dementia, and there is more likely a genetic cause. However, some people without a family history can also have a genetic cause. In people with genetic FTD, doctors are able to determine the cause of the disease through genetic testing.

DNA is an instruction manual for how the body grows and develops



What is autosomal dominant inheritance?

HAS/LIKELY TO If a parent has the mutation, their \bullet **DEVELOP SYMPTOMS** children can inherit the mutation

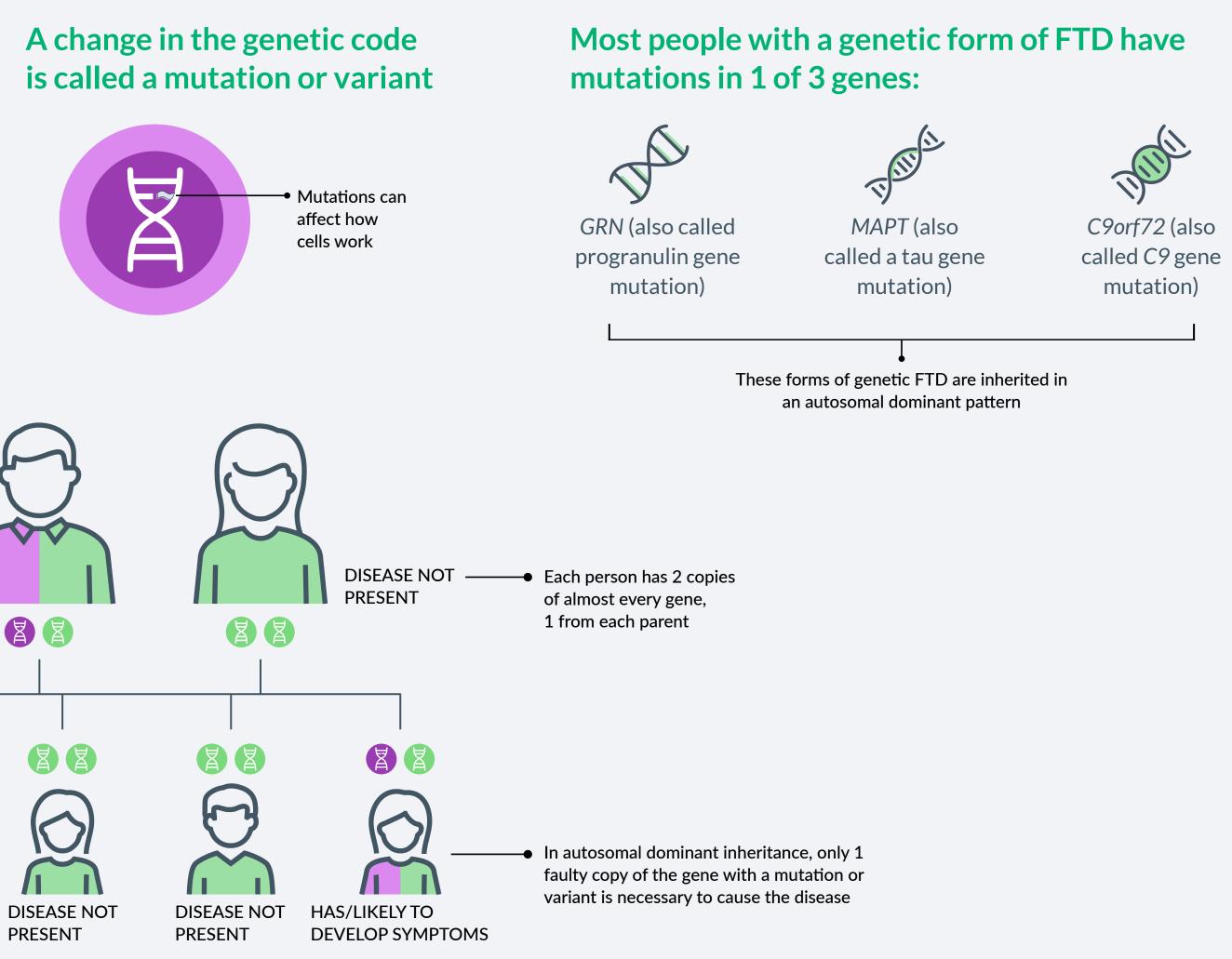




FTD=frontotemporal dementia.













FTD care

Inheritance

Genetic testing

Management

Clinical trials

Support

Glossary



Why is it important to consider genetic testing?

A few ways pursuing genetic testing for FTD can help doctors:



Determine if your or your loved one's FTD was caused by a mutation

FTD=frontotemporal dementia.



Understand more about FTD symptoms or disease course



Identify clinical trials that you or your loved one may be eligible for







FTD care

Inheritance

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Clinical trials

Support

Glossary

What is genetic counseling and testing?

Genetic testing can identify differences in genes. It is performed using a cheek swab, saliva, or a blood sample.

Genetic counselors support people who have, or may be at risk for, genetic disorders. They:

- Help you navigate and make an informed decision if genetic testing is the right decision for you
- Tell you what you should know before testing
- Determine who in a family should be tested for a mutation
- Explain the results
- Help you adjust to this information and support you through the process



InformedDNA provides no-cost genetic counseling and testing for people living with FTD.* Learn more: informeddna.com/passagebio-ftd/

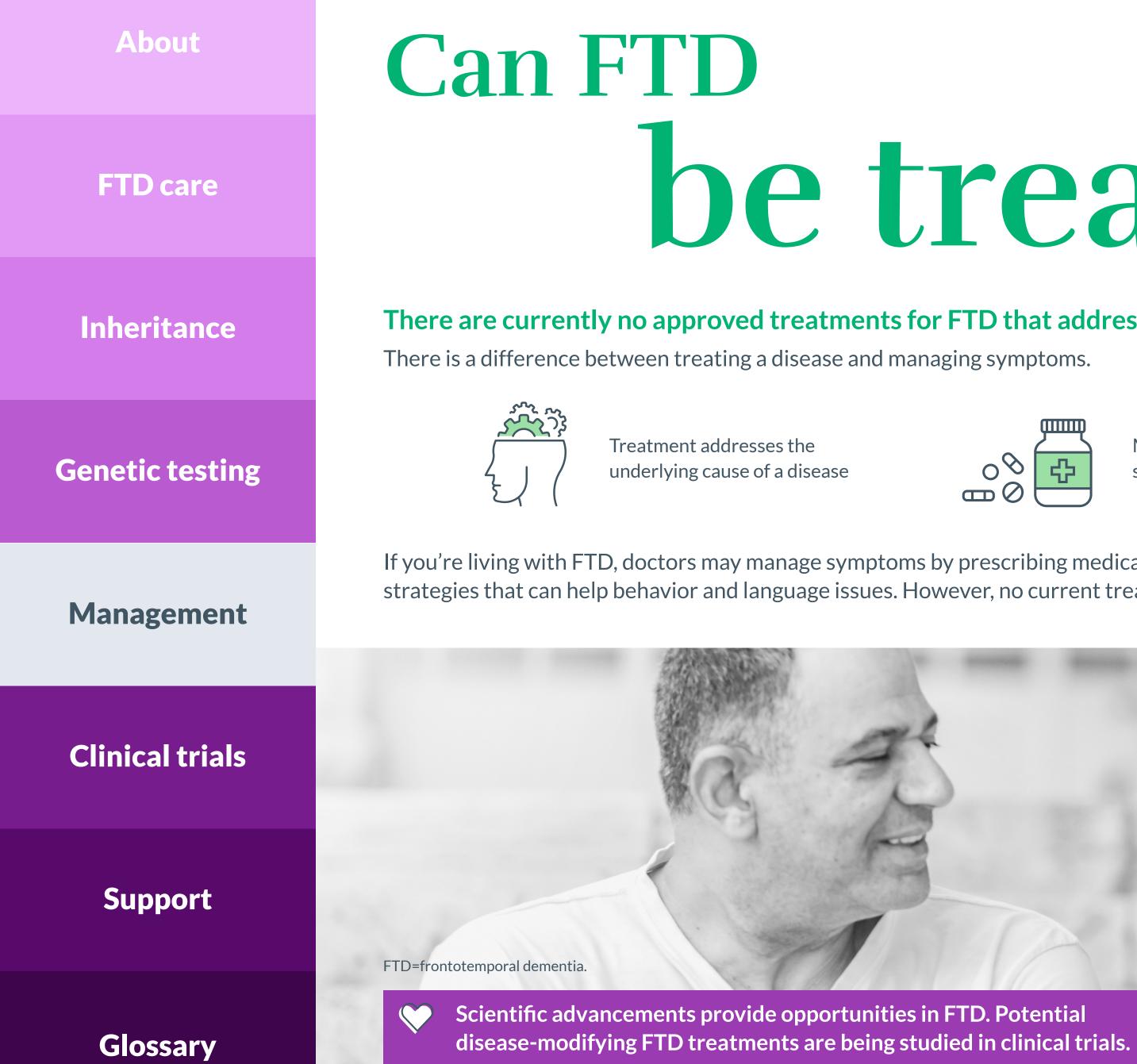
FTD=frontotemporal dementia.

*The InformedDNA FTD testing program is sponsored by Passage Bio. However, no personal identifying information of individuals participating in this genetic counseling and testing program will be shared with the company. InformedDNA no-cost genetic testing and counseling is only available to US residents. If you are not a US resident, talk to your doctor about genetic testing and counseling,



There are other ways to access genetic counseling see our support page.







be treated?

There are currently no approved treatments for FTD that address the underlying cause of the disease.

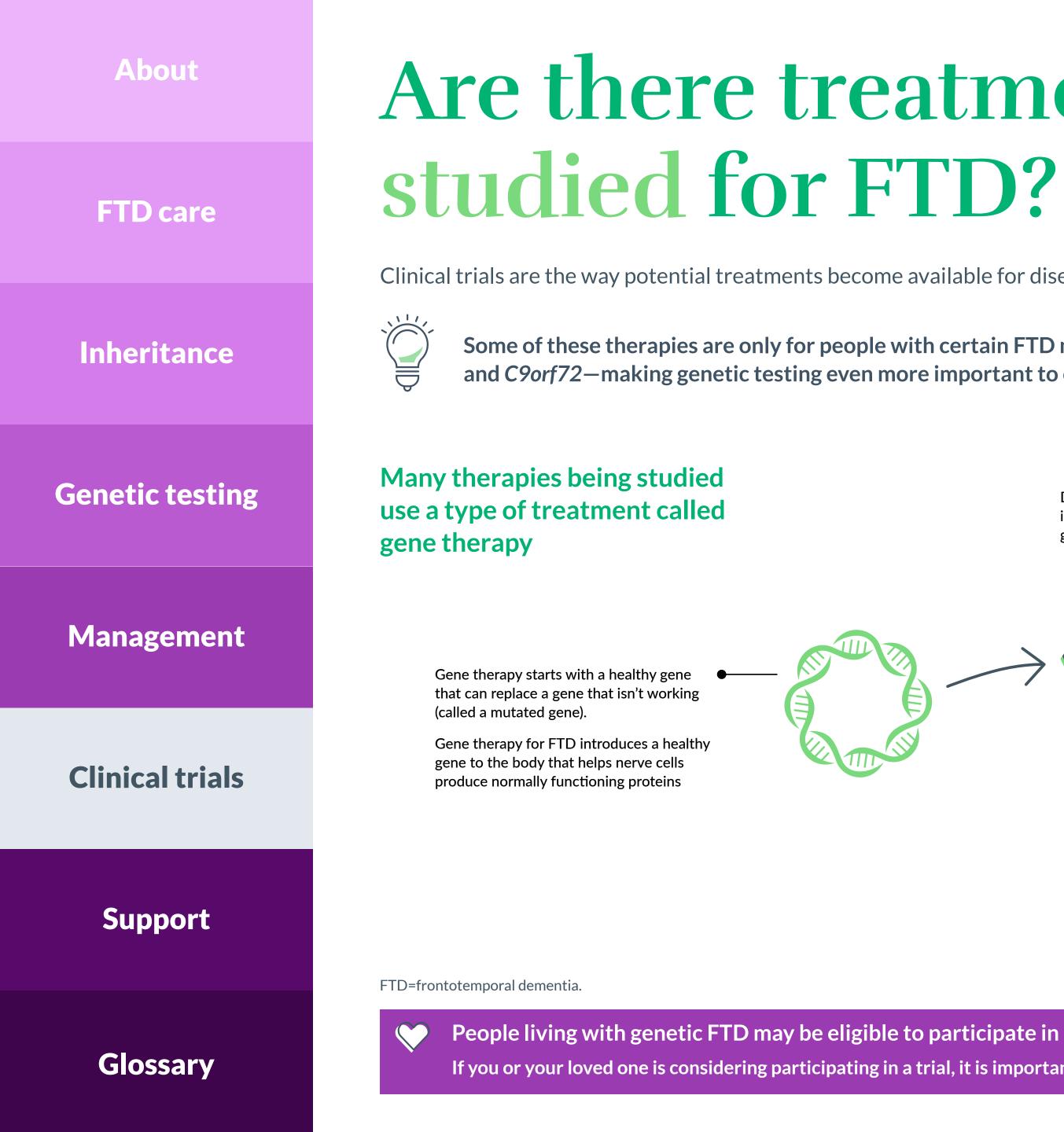


Management focuses on relieving symptoms of a disease

If you're living with FTD, doctors may manage symptoms by prescribing medications or recommending therapy and caregiver strategies that can help behavior and language issues. However, no current treatments slow or stop the worsening of symptoms.





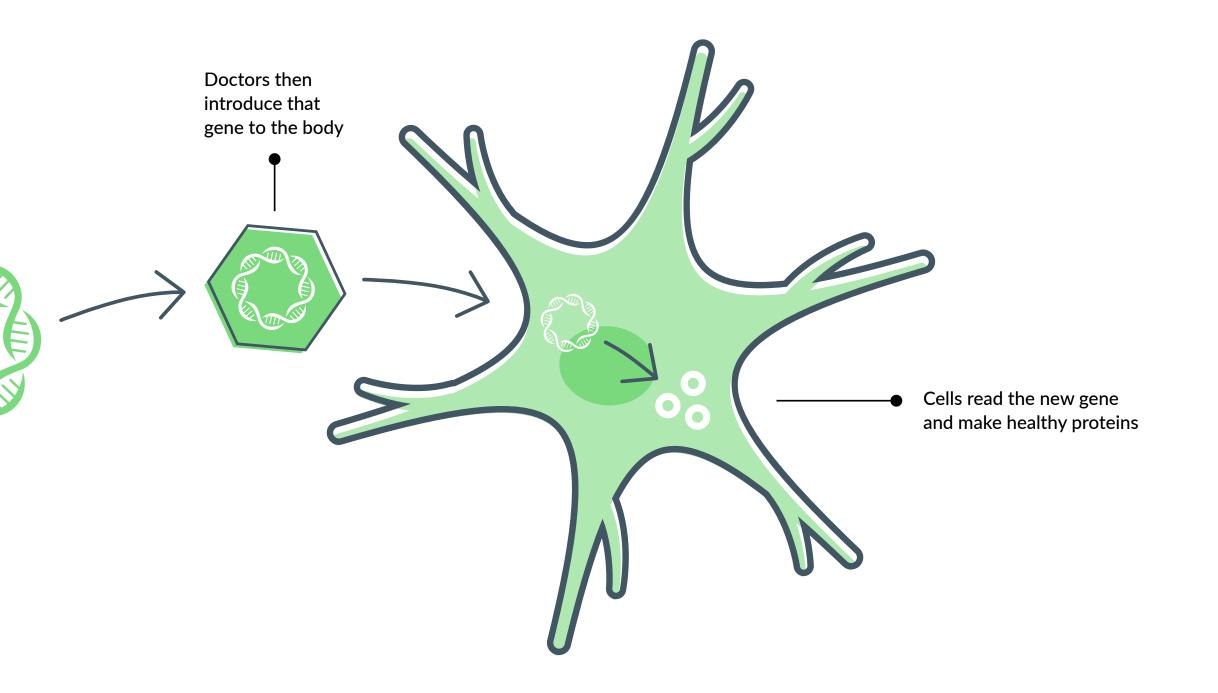


Are there treatments being



Clinical trials are the way potential treatments become available for diseases. There are many potential FTD treatments being studied that are disease modifying.

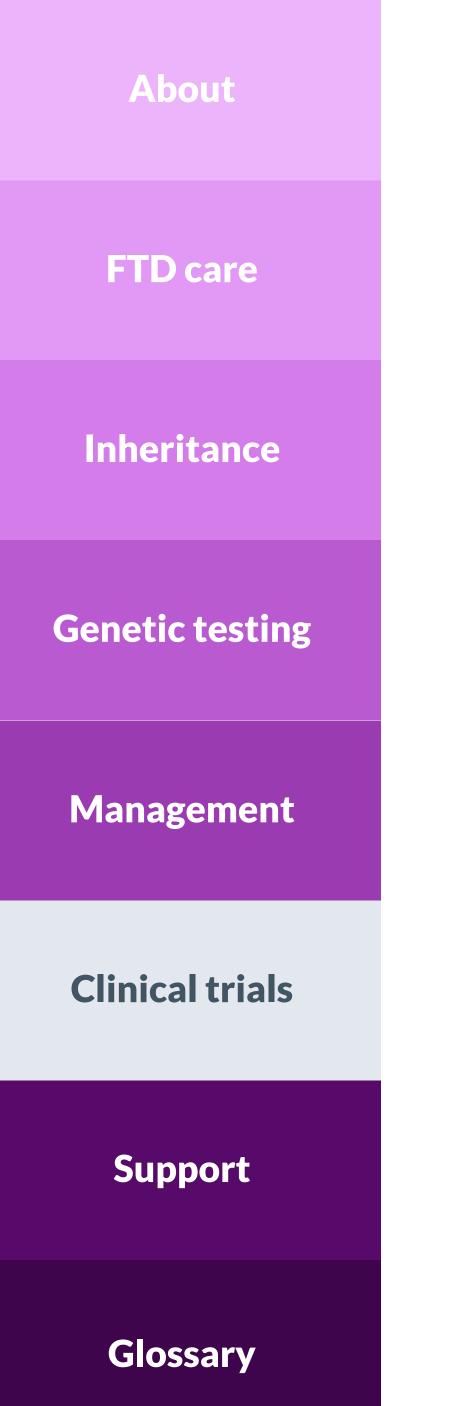
Some of these therapies are only for people with certain FTD mutations, including GRN, MAPT, and C9orf72—making genetic testing even more important to consider for people living with FTD.



People living with genetic FTD may be eligible to participate in a clinical trial and receive treatment that could help them.

If you or your loved one is considering participating in a trial, it is important to learn about individual trial requirements and risks. View active trials at clinicaltrials.gov.





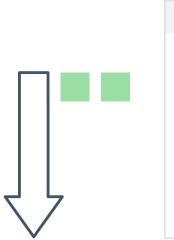
What is a clinical trial?

Clinical trials are research studies where doctors see if a potential treatment is safe and effective in people. The effectiveness, or ability of a treatment to help people, is often called efficacy. Doctors who work on clinical trials are called Principal Investigators, or PIs.

People choose to be in clinical trials because they may benefit from the potential treatment being studied or because they want to help answer a specific health question.

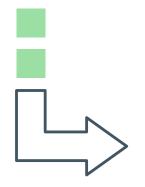
How a potential treatment gets approved

All of the prescription therapies available to you today have been studied in clinical trials before approval.





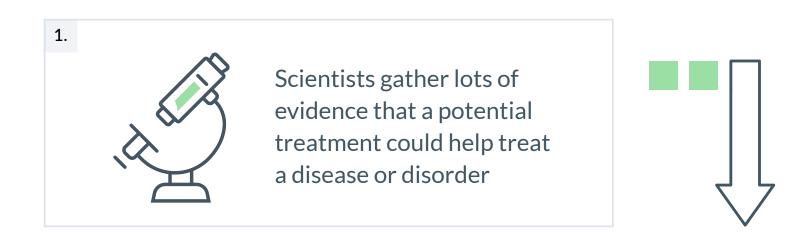
Study results are evaluated to determine whether the potential treatment significantly benefits people with the disease Λ The Food and Drug Administration (FDA) and other government agencies around the world assess the results of potential treatments and approve only those treatments that show safety and efficacy



FTD=frontotemporal dementia.

3.





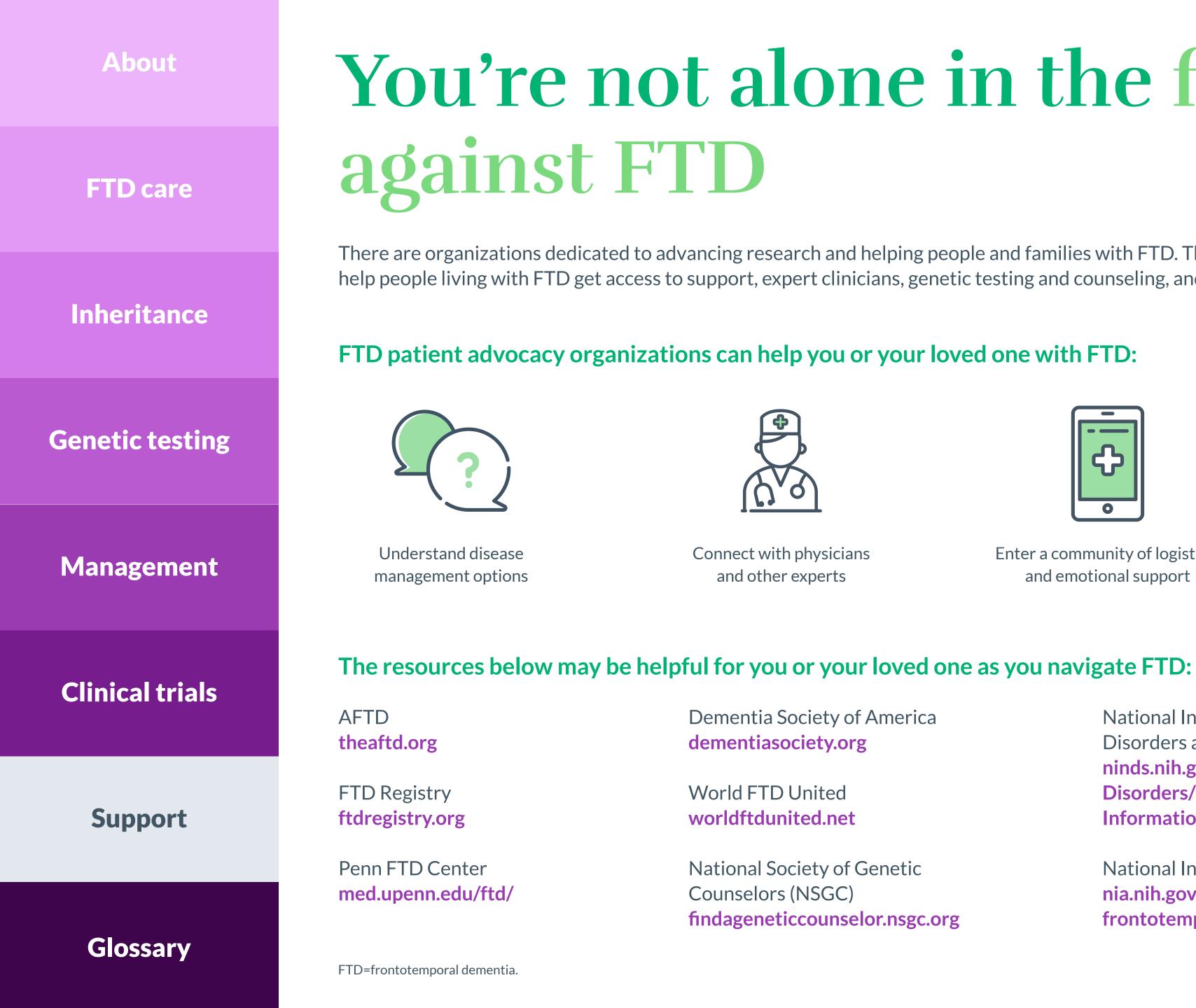
Pls study the potential treatment in people with the disease. There are often 3 phases of clinical trials:

- Phase 1 tests safety and dose
- Phase 2 tests effectiveness and safety
- Phase 3 tests effectiveness and safety in a larger group of patients

In rare diseases, where there are low numbers of patients and limited treatment options, researchers often combine phases to answer more questions in a smaller group of patients. For example, you may see a trial labeled as Phase 1/2. This can speed up the time it takes to get treatments people need approved.







You're not alone in the fight

There are organizations dedicated to advancing research and helping people and families with FTD. These communities help people living with FTD get access to support, expert clinicians, genetic testing and counseling, and clinical trials.



Enter a community of logistical and emotional support



Access healthcare assistance programs and services

Dementia Society of America

National Society of Genetic findageneticcounselor.nsgc.org National Institute of Neurological **Disorders and Stroke (NINDS)** ninds.nih.gov/Disorders/All-**Disorders/Frontotemporal-Dementia-Information-Page**

National Institute of Aging (NIA) nia.nih.gov/health/what-arefrontotemporal-disorders









Heritable – Characteristics that are able to be inherited or passed on from parent to offspring.



[N]

Neurodegeneration – The loss of the structure and ability of nerves to work.

find the right words even though they can understand words and sentences.

Non-fluent PPA – (Also known as agrammatic PPA). A type of primary progressive aphasia that affects one's ability to put sentences together or speak at all.

D

Proteins – Particles that play many different important roles in the body. Proteins do most of the work in cells and make up much of the body's tissues and organs.



Semantic PPA – A type of primary progressive aphasia that affects one's ability to recognize words or faces.



Temporal lobe – The area of the brain responsible for processing memories, recognizing sounds, and assigning meaning to words. The brain has a right and left temporal lobe, located on each side of the head.









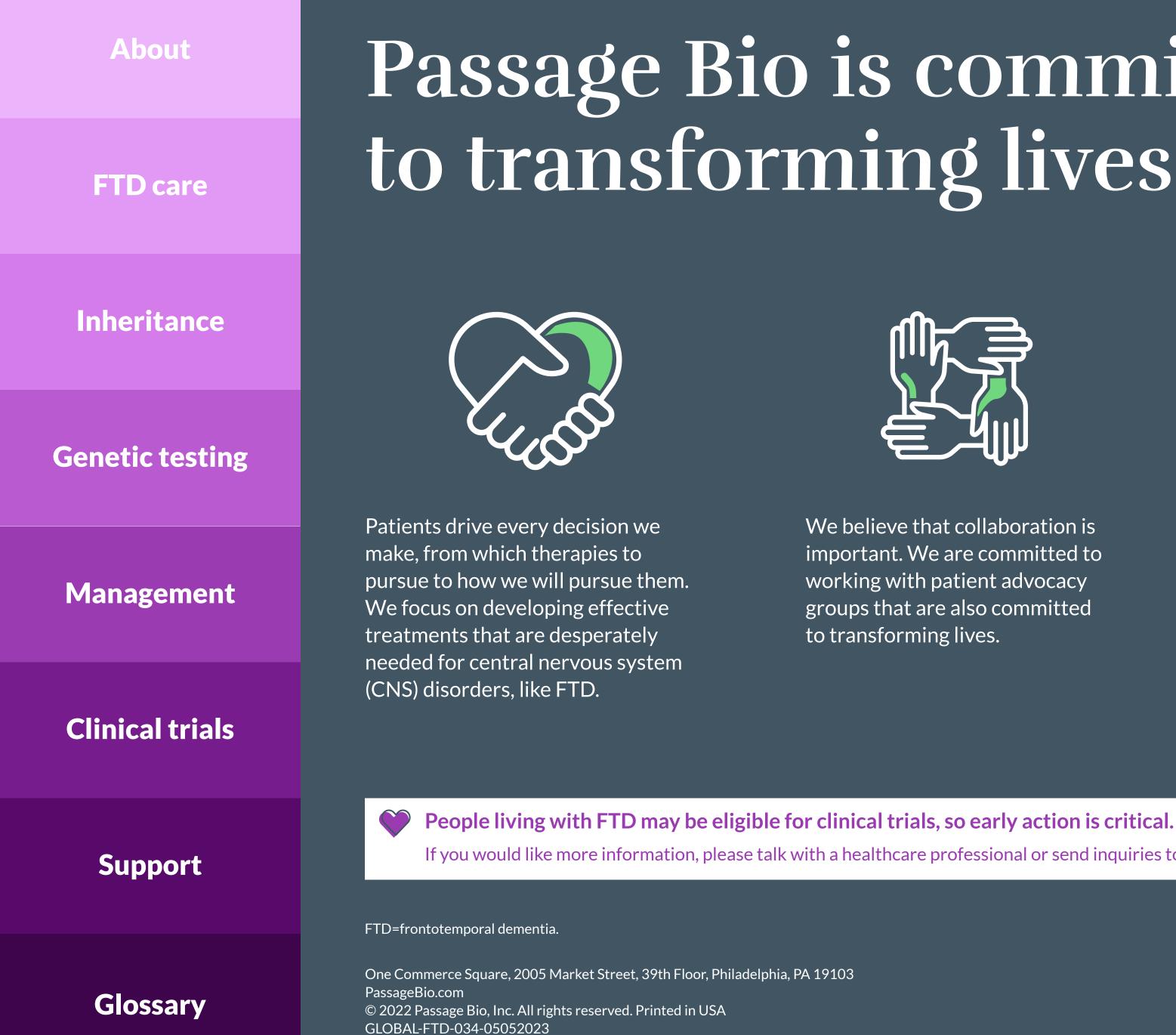












Passage Bio is committed to transforming lives



We believe that collaboration is important. We are committed to working with patient advocacy groups that are also committed to transforming lives.





For more information about Passage Bio and our work to develop an effective treatment for FTD, please visit us at PassageBio.com.

upl&FT-D

A Clinical Trial for Frontotemporal Dementia with Progranulin Gene Mutations

Passage Bio is studying a potential new therapy called PBFT02 for the treatment of FTD caused by a GRN mutation.

To learn more about PBFT02, visit FTDClinicalTrial.com.

If you would like more information, please talk with a healthcare professional or send inquiries to Passage Bio at patientservices@passagebio.com.





