

# Amyotrophic lateral sclerosis progress and perspectives in basic research and

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**What is the main cause of amyotrophic lateral sclerosis?** Changes in more than a dozen genes have been found to cause familial ALS. About 25-40% of all familial cases (and a small percentage of sporadic cases) are caused by a defect in the C9orf72 gene. C9orf72 makes a protein found in motor neurons and nerve cells in the brain.

**What is amyotrophic lateral sclerosis type 11?** The earliest symptoms include muscle twitching, cramping, stiffness, or weakness. Affected individuals may develop slurred speech (dysarthria) and, later, difficulty chewing or swallowing (dysphagia).

**What research is being done for amyotrophic lateral sclerosis?** Scientists are seeking to understand the mechanisms that selectively trigger motor neurons to degenerate in ALS, and to find effective approaches to halt the processes leading to cell death.

**Why is ALS called Lou Gehrig's disease?** Amyotrophic lateral sclerosis (ALS) is commonly known as "Lou Gehrig's disease," named after the famous New York Yankees baseball player who was forced to retire after developing the disease in 1939.

**What vitamin deficiency causes amyotrophic lateral sclerosis?** According to the results obtained, higher levels of vitamins A and E and lower levels of vitamins B2, B9, and C were found in patients with ALS compared with those in the control group. Accordingly, vitamin B2, B9, or C deficiency/hypovitaminosis can be considered as a risk factor or ALS predictor.

**Why is ALS becoming more common?** Smoking. Smoking cigarettes is one of the most well-established lifestyle risk factors for ALS. Studies suggest that the risk of ALS is increased by more than 40% among people who have ever smoked cigarettes, compared to those who have never smoked.

**What are the 7 stages of ALS?**

**What are the first warning signs of ALS?** ALS often begins with muscle twitching and weakness in an arm or leg, trouble swallowing or slurred speech. Eventually ALS affects control of the muscles needed to move, speak, eat and breathe.

**What does ALS feel like in legs?** The first sign of ALS is often weakness in one leg, one hand, the face, or the tongue. The weakness slowly spreads to both arms and both legs. This happens because as the motor neurons slowly die, they stop sending signals to the muscles. So the muscles don't have anything telling them to move.

**What is the most promising ALS cure?** New research reveals a type of monoclonal antibody already tested in certain forms of cancer may be a promising treatment in stopping the progression of amyotrophic lateral sclerosis, or ALS, a fatal neurodegenerative disease.

**How close are we to an ALS cure?** How close are we to a cure for ALS? As of November 2023, there is no definitive cure for amyotrophic lateral sclerosis (ALS), a progressive neurodegenerative disease that affects nerve cells in the brain and spinal cord.

**What is the new treatment for ALS in 2024?** Clene is all set for a Phase III to be launched in 2024. If it all works out for Clene, it could quite literally be a sprinkle of "gold dust" for patients with ALS." Paganoni said that Clene's candidate was investigated as one of the earlier regimens in the HEALEY trial.

**Is ALS 100% fatal?** The rate at which ALS progresses can be quite variable, as well. Although the mean survival time with ALS is two to five years, some people live five years, 10 years or even longer. Symptoms can begin in the muscles that control speech and swallowing or in the hands, arms, legs or feet.

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**What celebrities have died from ALS?** Well-known people who died from ALS include scientist Stephen Hawking, who died in 2018 after living with the disease for over 50 years, as well as Pete Frates and Pat Quinn, both of whom founded the Ice Bucket Challenge that went viral on social media for some time. Frates died in 2019, while Quinn died in 2020.

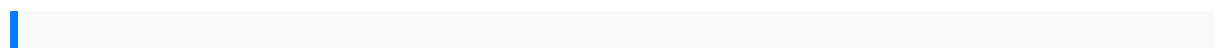
**How long can you have ALS without knowing it?** And you're right; it takes on average about nine to 12 months for someone to be diagnosed with ALS, from the time they first began to notice symptoms. Getting the proper evaluation in a timely way is important, especially since we have a drug, Rilutek, which has been shown to help delay the progression of ALS.

**Who is most likely to get amyotrophic lateral sclerosis?** ALS is more common in men than women. ALS is age related; most people find out they have it when they are between 55 and 75 years of age, and live from 2 to 5 years after symptoms develop. How long a person lives with ALS seems to be related to age; people who are younger when the illness starts live slightly longer.

**How did my ALS start?** Researchers don't know what causes ALS. They believe it's a combination of the following factors: Genetics: Changes or variants in certain genes may cause ALS in up to 70% of familial cases and 5% to 10% of sporadic cases. There are more than 40 genes related to ALS.

**What are 2 symptoms of amyotrophic lateral sclerosis?**

**What is ALS life expectancy?** The rate at which ALS progresses can be quite variable, as well. Although the mean survival time with ALS is two to five years, some people live five years, 10 years or even longer. Symptoms can begin in the muscles that control speech and swallowing or in the hands, arms, legs or feet.



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