

IS ALPHA-1 (AATD) LEAVING YOU OPEN TO RISK?

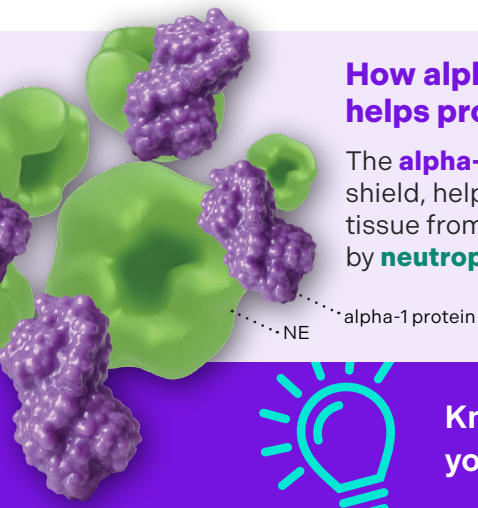
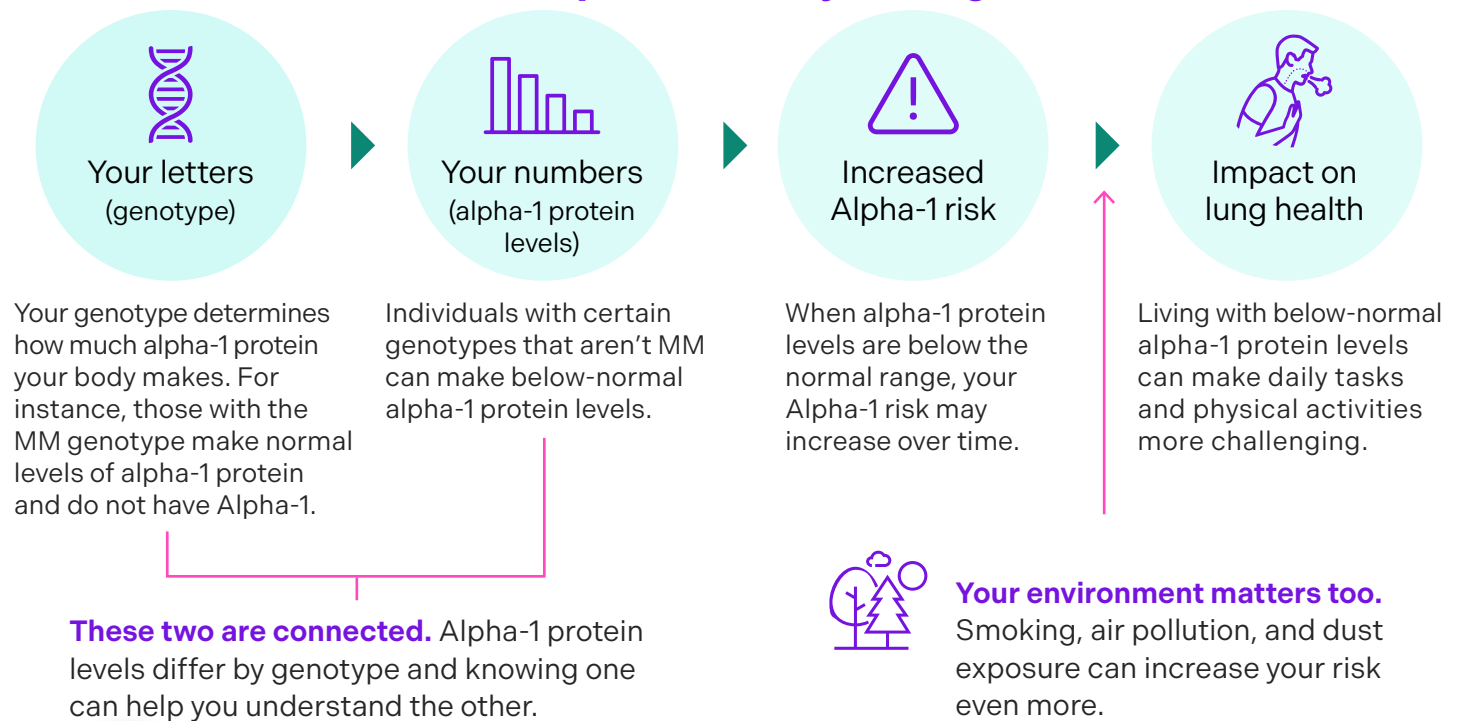
Alpha-1 affects people differently. Understanding your Alpha-1 letters (genetic variant) and numbers (alpha-1 protein levels) can help you gain a clearer picture of your own risk.



ALPHA-1 IS AN INHERITED CONDITION THAT AFFECTS YOUR LUNGS

If you have Alpha-1, your body may not make enough of a protein called alpha-1 antitrypsin (AAT), or alpha-1 protein, that helps protect the lungs. Without enough alpha-1 protein, the risk of lung problems can potentially increase over time.

How Alpha-1 affects your lungs



How alpha-1 protein helps protect your lungs

The **alpha-1 protein** acts like a shield, helping to protect lung tissue from damage caused by **neutrophil elastase (NE)**.



When there is not enough alpha-1 protein, NE that becomes too active can damage healthy lung tissue, making breathing more difficult and everyday activities harder.



Alpha-1 protein helps control inflammation throughout your body—not just your lungs. In some people, alpha-1 protein builds up in the liver, which may lead to liver disease.



Knowing your potential risks can help you understand your personal protection.

KNOWING YOUR RISK CAN HELP YOU STAY IN CONTROL OF YOUR LUNG HEALTH

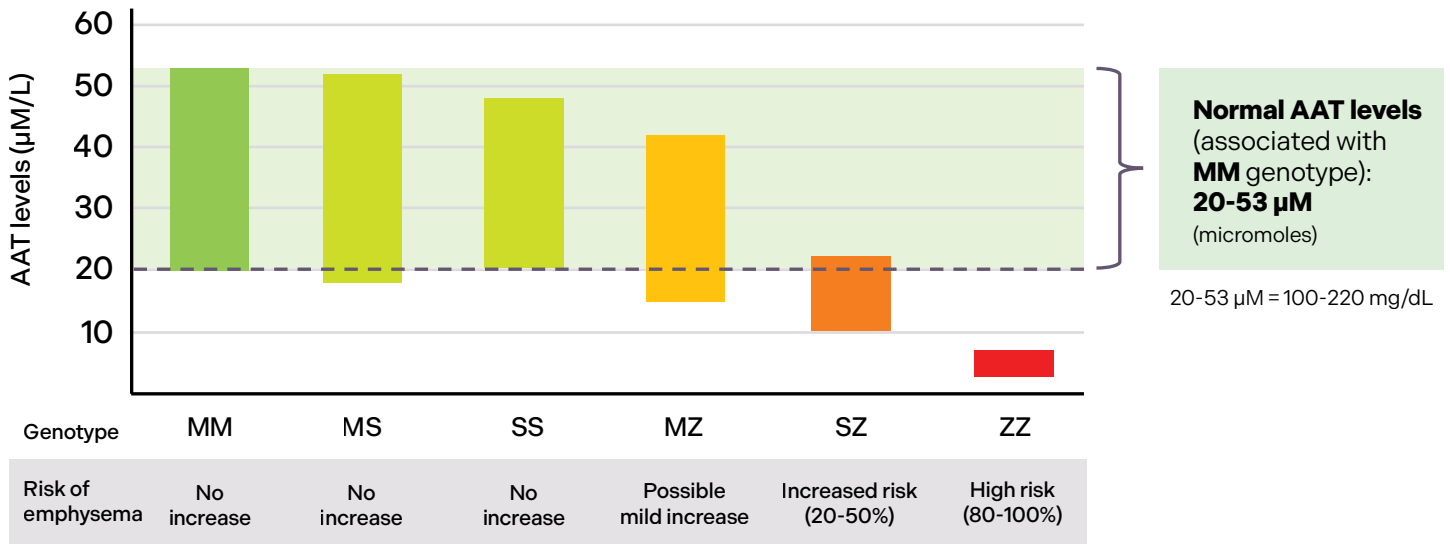


The lower your alpha-1 protein levels, the higher your potential risk for lung damage, including emphysema

How much alpha-1 protein your body makes depends on your genotype:

- M** Makes normal amount of working alpha-1 protein
- Z** Makes very little working alpha-1 protein
- S** Makes some working alpha-1 protein, but less than normal
- NULL** Does not make any working alpha-1 protein

Range of plasma alpha-1 protein (AAT) levels based on allele combination



If your alpha-1 protein levels are below normal, talk to your doctor about your Alpha-1 risk and steps you can take to support your lung health.

Sign up to learn more about your Alpha-1 risk at RethinkAlpha1Protection.com

