

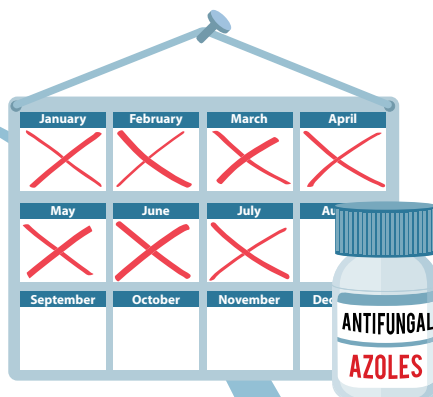
# HOW ASPERGILLUS DEVELOPS ANTIFUNGAL RESISTANCE AND CAUSES ILLNESS

## IN THE ENVIRONMENT

## IN A PATIENT

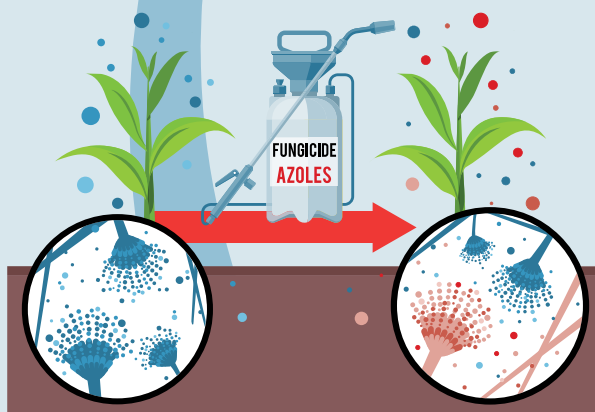


*Aspergillus fumigatus* (*A. fumigatus*) is a fungus in the environment that is common in air. People can develop severe infections by breathing it in.

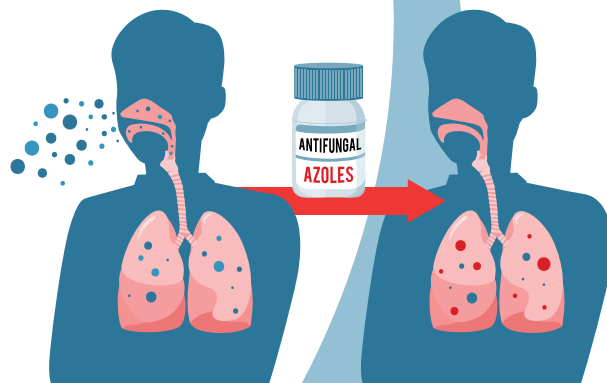


Some patients with chronic *A. fumigatus* infections take azole antifungals over a long time.

Azole fungicides are sometimes used to kill fungi that harm crops. These fungicides are similar to the azole antifungal medicine used to treat people who become sick with *A. fumigatus*.



Azole fungicides kill most *A. fumigatus* in the environment, but resistant *A. fumigatus* can survive and multiply.



Azole antifungals will kill most of the *A. fumigatus* in the body, but sometimes the fungus can become resistant to the medication and multiply.



People with weakened immune systems can become infected with resistant *A. fumigatus* by breathing it from the environment or developing it in their bodies. These infections are hard to treat and life-threatening.