

# ESCHERICHIA COLI O157: H7 INFECTION



The E.coli lives in the intestines of animals(cows, goats, sheep, etc.)The main source for human illnesses would be cows. The bacteria won't make the animal sick, only the human. So when the cow feces is used to grow crops it can provide an entrance for the harmful bacteria to enter and affect the produce. In some instances when they are preparing them they don't clean them that well and since the cows are crowded and are around a lot of feces it provides the easier access for the bacteria to affect the meat.

## SYMPTOMS

A harmful type of E.Coli is O157:H7. This type of E.Coli has caused the majority of outbreaks. The bacteria multiplies and people experience nausea, fevers, vomiting, stomach cramps and loss of appetite. Very young and elderly people can become very sick and damage their kidney's because of there developing or weakening immune system .

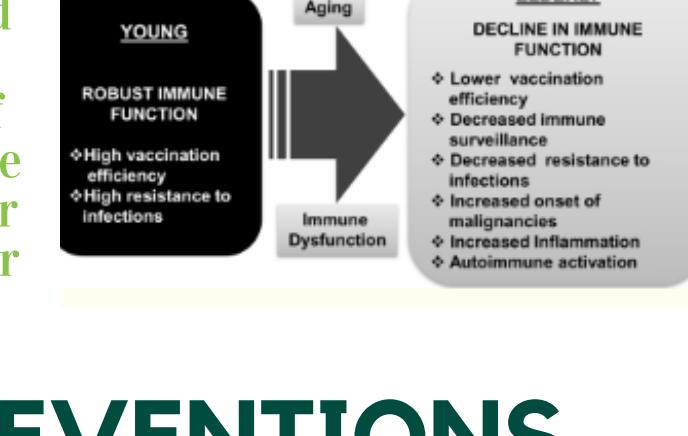


## PREVENTIONS

Not all type of E.Coli is harmful, just like in our body there is good bacteria as well as harmful bacteria. Some of the prevention methods for the E. Coli infection are washing hands thoroughly after touching animals or other contaminants, wash hands before cooking, cook meat and other produce thoroughly, and don't cross-contaminate; which means when utensils touch raw meat they should be washed thoroughly before touching other things.

## WHERE TO FIND HELP

Many organizations, like the National Institute of allergies and contagious disease are currently working on treatments for E.Coli here is where you can find help:  
[https://aboutecoli.com/ask\\_attorney](https://aboutecoli.com/ask_attorney)  
yInfo. (ask an attorney )  
<https://www.freddiekingwater.com/water-contamination/learn-how-to-treat-e-coli-sickness-at-home.htm> (learn how to take care at home)  
<https://www.thechildren.com/health-info/conditions-and-illnesses/e-coli-infections-what-you-and-your-family-need-know> ( how to keep yourself safe)



## OUR PROTOTYPE:

The Amazing Serum is a product used to detect E.Coli in your food this serum would require a small sacrifice of what your eating to detect if E.Coli is present. You would have to add a drop of the serum onto the small piece of food and see if the indicator shows (if it stays the original color it is healthy and hot pink indicates that it is unhealthy to eat.) After the color is shown you should wash it off.