

# Listeria News

By Tammy Bombard, Wayne Valley High School, Wayne, NJ

Microscopic creatures inhabit the world around us. We usually do not even think about the bacteria that share our living space until...we become ill. Go to <http://www.healthscout.com/static/news/1500079.html> to discover the food borne illness, Listeriosis, has reared its nasty head in the Northeast.

Using the resources provided, research this illness. In this project you will be responsible for educating the community about this food borne illness. Develop an educational program, which will be displayed on power point. Include pictures of the bacteria causing disease and explain its mode of reproduction and nutrition. Describe the infection's method of entry and related symptoms as well as treatments. Tell the community how they can prevent this infection. It will be your job to assess the level of threat this illness has on the community. You should use sound reasoning and facts. Assume that the community knows very little. Use the resources below to develop your program. You are not limited to these sites.

## Resources

<http://www.kent.wednet.edu/staff/kloschky/index.html>

<http://www.buckman.com/eng/micro101/bacteria.htm>

<http://www.kent.wednet.edu/staff/kloschky/MoneransFolder/shapes.html>

<http://www.bacteriamuseum.org/niches/hwfbacteria/antibiotics.shtml>

[http://www.findarticles.com/cf\\_dls/g2601/0008/2601000832/p1/article.jhtml](http://www.findarticles.com/cf_dls/g2601/0008/2601000832/p1/article.jhtml)

<http://vm.cfsan.fda.gov/~mow/chap6.html>

<http://www.foodsafety.gov>

<http://thebody.com/cdc/listeria.html>

<http://www.health.state.ny.us/nysdoh/consumer/lister.htm>

<http://www.about-listeria.com/main.html>

The following criteria can be used to develop the project's scoring system.

1. Description of bacteria's physical appearance.

- 2. Identification of at least two causes of the illness.**
- 3. Explains the disease treatments.**
- 4. Identification of two ways in which a person can become infected.**
- 5. Identification of at least two ways to reduce the risk of infection.**
- 6. Information regarding incidence rate of the illness.**
- 7. Use photos or illustrations to enhance presentation.**
- 8. Spelling and grammar**