

2008 DISEASE DETECTIVES (B/C)

Internet Resources:

The following websites and their links contain material that may be useful to event supervisors, coaches and competitors.

www.soinc.org – Official Science Olympiad webpage

www.cdc.gov/excite - Centers for Disease Control Office of Science Education - includes primer of epidemiology, problem sets and examples.

www.montclair.edu/detectives - Montclair State University site with a curriculum for teaching epidemiology at the middle school level.

<http://www.collegeboard.com/yes> - Young Epidemiology Scholars program - in addition to information on competition, this site contains a number of teaching modules that can be used in training. Although targeted at a high school audience, this material may be useful for training competitors at the middle school level.

Training manual from National Institutes of Health – Emerging & Re-emerging Infectious Diseases

<http://science.education.nih.gov/supplements/nih1/diseases/guide/pdfs.htm>

Glossary - <http://science.education.nih.gov/supplements/nih1/diseases/other/glossary/act1-gloss1.htm>

National Center for Environmental Health formed by the CDC

<http://www.cdc.gov/nceh/default.htm>

URLS for Disease Detective-Related Internet Sites

- www.cdc.gov/excite - CDC Office of Science Education - This is maintained by CDC OSE. The Science Olympiad pick includes problem sets from all past national Disease Detective national events and a number of state and local events.
- <http://www.cdc.gov/mmwr/> - MMWR website - Morbidity and Mortality Weekly Report is CDCs weekly summary of disease trends and patterns as well as other significant health events and issues from throughout the world.
- <http://vm.cfsan.fda.gov/~mow/intro.html> - Bad Bug Book - A compendium of bacteria, viruses, parasites and other causes of foodborne illness.
- <http://www.ph.ucla.edu/epi/snow.html> - John Snow - UCLA site on life and times of John Snow, the "Father of Epidemiology". Excellent maps and recreations of Snows studies on waterborne cholera.
- <http://www.cdc.gov/ncidod/dybid/arbor/neato.htm> - Neato Mosquito - Elementary (4th Grade) curriculum on mosquito biology
- <http://www.cdc.gov/nceh/kids/99kidsday/default.htm>
- NCEH Kids Page
- http://www.cdc.gov/ncidod/teachers_tools/virus_encounters.htm Virus Encounters
- <http://www.fightbac.org/curriculum.cfm> Fight Bac
- <http://www.bam.gov> BAM - CDC Office of Communication website for middle school kids. Teachers page has some materials.
- <http://www.cdc.gov/ncbddd/kids.htm> - National Center for Birth Defects and Disability - includes information on Science Ambassador program

- <http://www.collegeboard.com/yes/ft/iu/home.html>- College Board Young Epidemiology Scholar (YES) Program - This site contains a number of teaching materials under the For Teachers pick.
- <http://www.montclair.edu/detectives/>- Detectives in the Classroom - Montclair State University - Science/health material targeted at middle school audience
- <http://www.pitt.edu/~super1/index.htm> - University of Pittsburgh Supercourse Website. Contains hundreds of lectures on a variety of topics concerning epidemiology
- <http://www.richardpreston.net/guide/hz/authors.html> - A series of study guides centered around The Hot Zone and The Cobra Event. Developed in collaboration with Andrew Goldenkranz.

Internet Resources from CDC

Disease Detectives Event

http://www.cdc.gov/excite/disease_detectives/index.htm

Steps of an Outbreak from CDC

http://www.cdc.gov/excite/classroom/outbreak_steps.htm#steps

Outbreak Exercises from CDC

http://www.cdc.gov/excite/classroom/outbreak_exercises.htm

Glossary of Terms for Epidemiology ,Teacher Resources, & Teaching Notes (file can be downloaded by clicking on download materials)

<http://www.cdc.gov/excite>

Resource Library – Excite

<http://www.cdc.gov/excite/library/index.htm>

Other Similar On-line Dictionaries and Glossaries:

Clinical Epidemiology Definitions (University of Alberta

[Evidence Based Medicine Tool Kit](http://www.med.ualberta.ca/ebm/define.htm))

<http://www.med.ualberta.ca/ebm/define.htm>

A Dictionary of Epidemiology (short definitions, University of Cambridge)

<http://epidem13.plantsci.cam.ac.uk/~js/glossary/gloss98.html>

Glossary (CDC [Excite](http://www.cdc.gov/excite) - Excellence in Curriculum Integration through Teaching Epidemiology Program)

<http://www.cdc.gov/excite/library/glossary.htm>

Other Resources:

Most state health departments and medical schools have epidemiology information on their web sites. Some have sample problems. A good textbook on epidemiology is also very helpful.