

**Student Project**  
**BIOST/STAT 578 A Statistical Methods in Infectious Diseases**  
**Winter 2009**

**Instructors:** M. Elizabeth Halloran and Ira M. Longini, Jr.  
Professors of Biostatistics  
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Time: TTh 10:30–11:50 am; Begin: January 5, 2009  
Location: Health Sciences T-531  
Credits: 3 hours, CR/NC

### **Goal of Student Project**

The goal of the project is to give the student the opportunity to dig into a problem of his or her choosing in the area of analytic methods of infectious diseases. The project may involve a data analysis using methods discussed in the course, a modeling project related to a problem of interest to the student, or a review of several papers on a topic of interest to the student. The project topic should be approved by one of the instructors.

### **Written projects**

The student will write a paper reporting the results. If a project is done that involves an analysis or modeling project, or other similar work, the paper should be written in good scientific format. Scientific format is Introduction, Methods, Results, Discussion with references, and if necessary a technical appendix. If a review paper is written, the report should include the problem to be reviewed, the choice of papers, and then cover the important topics in an orderly fashion. The papers should generally be no more than 20 pages long, including all figures and tables. The student may choose a format from an appropriate journal such as *Biometrics*, *Journal of the American Statistical Association*, *American Journal of Epidemiology*, or *Epidemiology and Infection*, as a few examples.

### **Evaluation**

Papers will be evaluated for substance, clarity of exposition, clarity of argumentation, evidence that the student has delved into the problem. The project should demonstrate that the student has learned some aspect of analytic methods and has gained some competence in a particular aspect of the subject.

### **Due date**

The projects will be due by 5:00 pm on March 13, 2009.