

## Biostatistics Concentration Competencies

<b>MPH Graduates with a concentration in Biostatistics are expected to perform with entry-level competence in the following areas:</b>	<b>Concentration Core Courses</b>								<b>Student Assessment</b>
	<b>STA 6166</b>	<b>PHC 6053</b>	<b>STA 5715</b>	<b>STA 5325</b>	<b>STA 5328</b>	<b>PHC 6000</b>	<b>PHC 6931</b>	<b>PHC 6946</b>	<b>Achieved/Not Achieved</b>
1. Describe the role of biostatistics in public health research.	X	X				X	P	P	
2. Interpret and critique analyses found in public health studies.						X	X	P	
3. Use appropriate statistical methodology to address public health problems	X	X	X	X	X	X	P	X	
4. Communicate effectively with investigators in other areas of public health							X	X	
5. Develop presentations based on statistical methods and analyses for both public health professionals and educated lay audiences.	X	X	X				X	P	
6. Apply software to conduct statistical analyses.	X	X	X				P	X	

X: Learning objectives in this course contribute to achievement of the competency.

P: Competency may be addressed through this course. PHC 6931 and PHC 6946 have clear objectives but variable content that is tailored to individual student needs and goals. One or more competencies are addressed through the special projects conducted and reported in these courses. Biostatistics students are required to conduct a statistical analysis for the special project component of the internship. The analysis serves as the basis for their papers and presentations in PHC 6931.

Notes:

STA 6166 Statistical Methods in Research I  
PHC 6053 Regression Methods for the Health and Life Sciences  
STA 5715 Survival Analysis  
STA 5325 Fundamentals of Probability  
STA 5328 Fundamentals of Statistical Theory  
PHC 6000 Epidemiology Research Methods I  
PHC 6946 Public Health Internship

These competencies were developed by the Biostatistics faculty in the Department of Epidemiology and Biostatistics. They represent the educated opinions of the faculty on what competencies MPH graduates in Biostatistics should have.

Visit <http://www.mph.ufl.edu/concentrations/BIOCompetencies2006.pdf> for a detailed map of the Biostatistics concentration competencies and the course learning objectives designed to contribute to them.