

## Biostatistics Concentration Competencies

MPH Graduates with a concentration in Biostatistics are expected to perform with entry-level competence in the following areas:	Concentration Core Courses							
	PHC 6937 Survival Analysis	PHC 6053	PHC 6937 SAS Data	PHC 6937 SAS Analysis	PHC 6937 Bios Comp R	PHC 6000	PHC 6601	PHC 6946
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	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	P
6. Apply software to conduct statistical analyses	X	X	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 6601 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 6601.

Notes:

PHC 6052 Introduction to Biostatistical Methods

PHC 6053 Regression Methods for the Health and Life Sciences

PHC 6937 Survival Analysis

PHC 6937 SAS for Public Health Data

PHC 6937 SAS for Public Health Analysis

PHC 6937 Biostatistical Computing Using R

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.