

## Biostatistics Concentration Core Competencies and Learning Objectives

Competencies and Learning Objectives	Learning Experiences								
	PHC 6052	PHC 6053	PHC 6937 Survival Analysis	PHC 6055	PHC 6080	PHC 6081	PHC 6000	PHC 6601	PHC 6946
1. Describe the role of biostatistics in public health research.	P	P	P	R	R	R	R	P	P
2. Interpret and critique analyses found in public health studies.	P	P	P	R		R	P	R	R
3. Use appropriate statistical methodology to address public health problems.	P	P	P	R		R	P	R	R
4. Communicate effectively with investigators in other areas of public health.								P	P
5. Develop presentations based on statistical methods and analyses for both public health professionals and educated lay audiences.	R	R	R	P	P	P	R	P	R
6. Apply software to conduct statistical analyses.	P	P	P	P	P	P		P	R

### Courses:

PHC 6052 Introduction to Biostatistical Methods  
 PHC 6053 Regression Methods for the Health and Life Sciences  
 PHC 6937 Survival Analysis  
 PHC 6080 SAS for Public Health Data  
 PHC 6081 SAS for Public Health Analysis  
 PHC 6055 Biostatistical Computing Using R  
 PHC 6000 Epidemiology Research Methods I  
 PHC 6601 Seminar in Contemporary Public Health Issues  
 PHC 6946 Public Health Internship

P: Competency primarily gained in this course

R: Competency reinforced in this course

**Notes:** These competencies were developed from ASPH recommendations from <http://www.asph.org/userfiles/version2.3.pdf> (page 12).