

MPH Concentration Competencies and Assessment Methods

BIostatISTICS

Biostatistics Competencies	Exam	Paper	Oral Presentation	Observe	Class Project	Homework Exercise	Internship
Ability to identify appropriate statistical tools to address specific scientific questions	576A 576B 576D 647 684 686	576A 576C 648 684	576C 684 686	576A 576B 647 648	576C 576D 684 686	576A 576B 576C 576D 647 648 684 686	909
Ability to select appropriate research designs to meet the needs of various studies, and be able to explain the limitations of implemented designs	576B 647			576B 647		576B 647	909
Ability to skillfully engage in statistical collaboration with mentors, colleagues, and clients		576C	576C 686	576C	576C 686	576C	909
Demonstrate excellent presentation skills and the ability to explain statistical concepts and findings to a general scientific audience		576A 576C 684	576C 684 686	576A	576C 684 686	576C 576D 684	909
Demonstrate skills in data management to handle a variety of practical problems in data format and structure	576D	648		648	576D 684 686	576D 648 684	909
Demonstrate advanced working skills in application of computer systems and appropriate statistical software	503 576D 647	648		647 648	576D	503 576D 647 648	909
Demonstrate advanced competencies in areas of professional expertise and scholarship enabling them to advance to further postgraduate study in biostatistics	647	648		647 648		647 648	909
Demonstrate understanding of methods of data analysis and data monitoring	576A 576D 647 684 686	576A 576D 648 684	684 686	576A 576D 647 648	684 686	576A, 576D 647, 648 684, 686	909