

Biostatistician Career Ladder Matrix

Biostatistician Job Family

Job Title	Biostatistician II	Biostatistician III	Sr Biostatistician
Job Code	MC2035	MC2034	MC2033
Pay Grade	73	74	75
Position Summary	Under the general direction of the department head or designee, the Biostatistician II will assist in the planning, design, review, programming and implementation of special information systems activities.	Under the general direction of the department head or designee, the Biostatistician III will assist in the planning, design, review, programming and implementation of special information systems activities.	Under the general direction of the department head or designee, the Sr Biostatistician will assist in the planning, design, review, programming and implementation of special information systems activities.
Essential Functions /Scope	<ul style="list-style-type: none"> * Assist in the design and maintain databases for storage and retrieval of research data. Write computer programs to combine data from separate computer files to allow comparison of data from different sources * Evaluate and implement, quantitative and qualitative (experimental and non-experimental), research designs in standard APA format * Collaborate with program staff on the design and analysis of biostatistics aspects of research protocols including developing objectives, design sampling, randomization, and data collection procedures * Support the creation of SAS/SPSS applications in support of research projects * Create project statements * Analyze data in collaboration with senior statisticians beginning with univariate and multivariate analyses such as logistic regression and factor analysis for research studies * Assume primary responsibility for the analysis and written presentation of project data at all stages, from collection to final presentation, for consistency and quality * Participate in the design of questionnaires and interview forms 	<ul style="list-style-type: none"> * Perform the statistical analysis of data, create project statements, and evaluate and implement research designs including but not limited to quantitative and qualitative (experimental and non-experimental) in standard APA format * Participate in the design of questionnaires and interview forms * Instruct and supervise other personnel (data entry clerks, research assistants) in data management including merging and updating existing databases * Interpret and present study results in collaboration with faculty members, epidemiologists, biostatisticians, and project team members * Collect background data for studies from various database sources: summarize findings for presentation at project-related meetings * Participate in the oral presentation of all project findings and abstracts including participation in periodic project status meetings and presentation of final project deliverables 	<ul style="list-style-type: none"> * Develop plan, and write statistical design, methods, and analysis for research proposals. Oversee quantitative evaluation of the resulting data * Collaborate independently or as co-investigator with other biomedical investigators and assists in developing objectives, designing sampling and randomization schemes, and data collection procedures to achieve study objectives * Participate the teaching of statistics topics within graduate programs * Serve as a scientific consultant and instructor to the Medical School in the areas of Biostatistics and Epidemiology * Prepare scientific manuscripts and abstracts including primary authorship of research papers * Responsible for content expertise and writing selected sections of project final reports; participates in the editing of reports; responsible for the execution and production of presentation-ready final project deliverables
Required Qualifications	<p>Master's degree in Biostatistics, Statistics, Epidemiology, or equivalent experience</p> <p>0-1 year of health-related research experience (preferably in biostatistics or epidemiology) participating in project management and/or relevant experience in research and evaluation projects. This experience may be concurrent with satisfying degree requirements, but must include scientific research data analysis and database management</p> <p>Strong working knowledge of SAS and working knowledge of other statistical packages (e.g., R, SPSS, M-Plus). Strong communication skills, both oral and written, necessary to interact with investigators, internal and external senior management, and project team members. Demonstrated ability to direct projects.</p>	<p>Master's degree in Biostatistics, Statistics, Epidemiology, or equivalent experience</p> <p>1-3 years health-related research experience (preferably in biostatistics or epidemiology) participating in project management and/or relevant experience in research and evaluation projects. Up to one year of this experience may be concurrent with satisfying degree requirements; but, must include scientific research data analysis and database management.</p> <p>Strong working knowledge of SAS and working knowledge of other statistical packages (e.g., R, SPSS, M-Plus). Strong communication skills, both oral and written, necessary to interact with investigators, internal and external senior management, and project team members. Demonstrated ability to direct projects.</p>	<p>Master's degree in Biostatistics, Statistics, Epidemiology, or equivalent experience</p> <p>3-5 years health-related research experience (preferably in biostatistics or epidemiology) participating in project management and/or relevant experience in research and evaluation projects. This experience may be concurrent with satisfying degree requirements; but, must include scientific research data analysis and database management</p> <p>Strong working knowledge of SAS and working knowledge of other statistical packages (e.g., R, SPSS, M-Plus). Strong communication skills, both oral and written, necessary to interact with investigators, internal and external senior management, and project team members. Demonstrated ability to direct projects.</p>
FLSA Status	Exempt	Exempt	Exempt
Promotional Process	<p>Requisition</p> <p>* Biostatistician I Not in Use</p>	Requisition or In-family Promotion from Biostatistician II	Requisition or In-family Promotion from Biostatistician III