

# BIOSTATISTICS

Department of Epidemiology and Biostatistics  
College of Public Health, University of South Florida, Tampa



The most common academic/professional backgrounds of individuals entering a graduate program in Biostatistics are:

Mathematics	Statistics	Computer Science	Natural Sciences
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**Job Trends:** There is an increased demand for application of statistical methods to environmental research. There has been increased research opportunities related to maternal, child and family health as well as increased opportunities in application of statistical methods to social science research. There is increased demand for biomedical and biopharmaceutical research. There has been a growing need for health economics and health services research.

**Salary Ranges:** Salary ranges will vary depending on professional experience and qualifications along with geographic location and work setting.

Principle Responsibilities	Key Issues	Job Titles	Job Settings
<ul style="list-style-type: none"> <li>Design, analyze and manage research studies</li> <li>Design, implement and coordinate clinical trials and community trials</li> <li>Coordinate multicenter research studies</li> <li>Select samples of design research protocols</li> <li>Train interviewers</li> <li>Supervise data entry and data management</li> <li>Statistical analysis of data</li> <li>Provide quality assurance</li> <li>Ensure privacy of research subjects</li> <li>Interpret and present research findings</li> </ul>	<ul style="list-style-type: none"> <li>Analytical methods</li> <li>Computer methods</li> <li>Data collection and data management</li> <li>Assurance of confidentiality</li> <li>Quality assurance</li> <li>Research design</li> <li>Sampling procedures</li> <li>Administrative support</li> <li>Training and supervision of research staff</li> </ul>	<ul style="list-style-type: none"> <li>Biostatistician</li> <li>Survey Statistician</li> <li>Biomedical Statistician</li> <li>Health Care Statistician</li> <li>Health Care Analyst</li> </ul>	<ul style="list-style-type: none"> <li>Universities and colleges</li> <li>Federal, state and local government agencies</li> <li>Research firms</li> <li>Consulting firms</li> <li>Hospitals</li> <li>Professional organizations</li> <li>International health agencies</li> </ul>

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