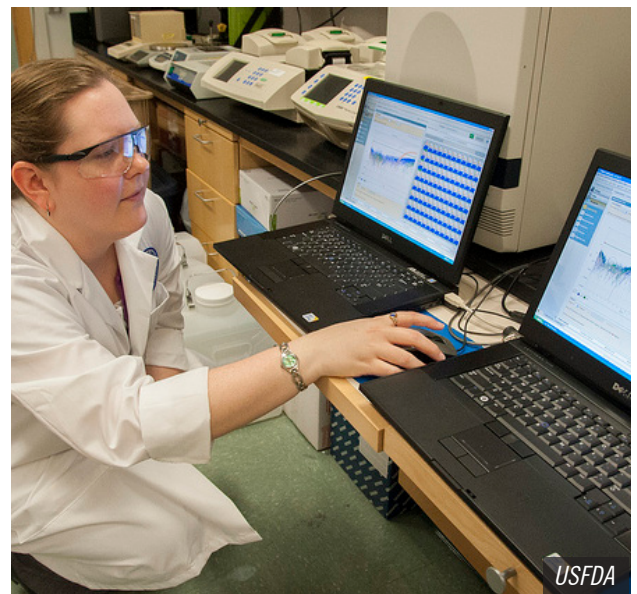


BIostatistician

Biostatisticians use mathematics and statistics to find ways to solve scientific problems. They assist in developing statistical techniques and use their expertise to design studies and analyze data. Biostatisticians may work with the environment, human or animal health.

WHAT RESPONSIBILITIES WILL I HAVE?

- Help formulate scientific questions
- Design and conduct clinical studies
- Implement and review trials and studies
- Determine statistical sampling techniques
- Coordinate data collection procedures
- Review case reports and forms to ensure protocol objectives are met and that project standards are maintained
- Conduct retrospective database analysis in order to determine effectiveness of past treatments
- Write reports explaining the results of studies conducted
- Determine if scientific questions can be answered with data available or if new research should be conducted
- Writing grant proposals
- Determine factors in a problem and how much risk would be involved in possible solutions
- Use quantitative methods to analyze data from studies
- Determine best ways to deploy resources when a problem arises
- Develop new study methods, designs and procedures



WHAT EDUCATION & TRAINING IS REQUIRED?

A Master's or doctorate degree in statistics, biostatistics, mathematics or statistical genetics

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, mathematics, biology, chemistry, anatomy

TYPICAL EMPLOYERS

Animal pharmaceutical & biotechnology companies, research and teaching groups

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- American Association of Pharmaceutical Scientists
- American Institute of Biological Sciences
- American Society for Biochemistry and Molecular Biology

AVERAGE ANNUAL FULL-TIME SALARY

\$78,000