

**Statistician: School of Pharmacy; Department of Pharmacy Practice and Science;
Maryland Poison Center**

JOB SUMMARY:

Work with the faculty and staff of the Maryland Poison Center (MPC) to help improve patient outcomes. This position will require that the individual use their expertise to develop new and assess existing analytic methods that will be applied to Maryland Poison Center (MPC) data (and other data sources) to impact individual patient care and overall public health. Conducts technical statistical research and analysis and compiles and interprets statistical records and reports of MPC data. Interacts with a wide range of users to meet the needs of the program, department and school.

ESSENTIAL FUNCTIONS:

- Develops analytic capabilities for the Maryland Poison Center using SAS tools (including SAS Enterprise Guide, SAS Enterprise Miner, SAS Forecast Server, SAS Text Miner, SAS Analytic Suite).
- Determines appropriate methods of statistical analysis and applies techniques to determine means of measurement/assessment.
- Provides expert advice in development of appropriate research methods.
- Coordinates all statistical activities for the Maryland Poison Center.
- Provide power and sample size estimation, randomization, study and manuscript review.
- Compiles and analyzes data, interpreting trends, fluctuations, and other changes.
- Prepares reports, graphs, charts and provides oral presentations.
- Works with students, residents, fellows and faculty to develop appropriate research strategies.
- Extracts data and prepares data for analysis while ensuring accurate data files.
 - Identifies missing data and performs data consistency checks.
 - Imports data of various formats into statistical software.
- Anticipates and effectively communicates resource and quality issues that may impact deliverables or timelines. Proposes and implements solutions. Escalates issues as appropriate.

- Other assignments include developing special forms and or formats for analyzing and presenting data.
- Other duties as assigned.

MINIMUM QUALIFICATIONS:

- Master's degree in statistics or related field
- 2 years of statistical analysis.

KNOWLEDGE, SKILLS, AND ABILITIES:

- Comprehensive knowledge of statistics or research methods.
- Demonstrated skill in operating PC applications, such as computer-aided statistical modeling software. SAS experience preferred.
- Demonstrated ability to write statistical reports.
- Ability to develop technical statistical procedures and interpret statistical data.
- Excellent verbal and written communications skills.
- Ability to work with a wide variety of users of varying statistical backgrounds.

Bruce D. Anderson, PharmD, DABAT

Director of Operations
Maryland Poison Center
University of Maryland School of Pharmacy
220 Arch St. Office Level 01-112
Baltimore, MD 21201
410-563-5580/ fax 410-706-7184
www.mdpoison.com