

Detailed Job Description:

Biostatistician I to support the health services/outcomes research laboratory of the Chair in the Department of Surgery; collaborates with principal investigator to understand and design aims of research studies related to the development and treatment of cancer outcomes with a focus on patient outcomes; identifies, designs and executes appropriate statistical analysis plans; conducts and interprets analyses of research data using descriptive statistics, basic inferential tests, and advanced statistical procedures under supervision of higher level biostatisticians; writes programs using statistical software and other programming languages; manages and oversees statistical information and data from and secondary data sets;; oversees and leads data coordination and work flow with investigators and research staff working on cancer-related projects; identifies potential data problems and takes appropriate action to resolve issues to ensure consistent, accurate and valid conclusions; develops and prepares new statistical programs targeted at needs of ongoing projects; evaluates current software and makes recommendations for upgrades or changes; supports grant proposal preparation by providing design, sample size calculations, and development of statistical analysis plans; assists with preparation of journal articles, technical reports and other materials for publication and presentation; conducts critical analysis of prior statistical methodology used in studies related to research being investigated; attends and presents at relevant scientific or statistical conferences, seminars and workshops; attends project meetings.

Duties Description:

Duty Pct	Duty Description
55	Collaborates with principal investigator to understand and design aims of research study and identify, design and execute appropriate statistical analysis plans; conducts and interprets analyses of research data using descriptive statistics, basic inferential tests, and advanced statistical procedures under supervision of higher level biostatisticians; writes programs using statistical software and other programming languages; generates reports using statistical applications including SAS, SPSS, STATA and S-Plus.
20	Supports grant proposal preparation by providing design, sample size calculations, and development of statistical analysis plans; assists with preparation of journal articles, technical reports and other materials for publication and presentation; attends and presents at relevant scientific or statistical conferences, seminars and workshops; attends project meetings; serves on committees as requested; other duties as assigned.
25	Manages and oversees statistical information from secondary data sets; serves as database manager for research projects;; oversees and leads data coordination and work flow with investigators and research staff working on cancer-related projects; identifies potential data problems and takes appropriate action to resolve issues to ensure consistent, accurate and valid conclusions

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