

Research Data Analyst 4 (100%)

DEPARTMENT OVERVIEW

The Department of Surgery is one of the largest departments in the School of Medicine and is comprised of 102 full time faculty members, 220 voluntary faculty members, 20 physicians employed on MSP agreements, 25 doctors employed by the VA or other facilities, 77 accredited and 13 non-accredited trainees and 100 career staff. Activities are organized in 13 sub-specialty divisions. Annual expenditures across the Department total over \$66.5M with a global research portfolio of over \$19M. The missions of research, education and patient care are intertwined, and are integral to the goals of the department.

As a leader in research and patient care, the UC San Diego Department of Surgery is committed to providing the latest in expert and compassionate treatment, performing leading-edge research, and training the next generation of top plastic surgeons. UC San Diego Health is currently ranked among America's best hospitals by U.S. News & World Report.

POSITION OVERVIEW

UC San Diego Department of Surgery is in search of an advanced biostatistician for a staff position. Applies extensive knowledge as a research professional with an in-depth understanding of statistical and / or other analysis techniques designed to support research projects of broad scope and complexity. Incumbent with a broad range of research interests are welcome and encouraged to apply; particular attention will be paid to applicants whose areas of interest include outcome research, quality improvement research and health disparities research.

The incumbent will provide advance statistical support for all phases of health sciences research in the Department of Surgery.

Lead will be expected to manage and support the entire Dept of Surgery Research team, including massive data acquisition, management and maintenance.

Must possess ample experience in supporting a large Dept of Surgery, with approximately 85 clinical faculty and its different divisions. In addition, the incumbent is expected to manage multiple data and projects simultaneously, including complex statistical analysis for large data sets.

Areas of Responsibility

AREA OF RESPONSIBILITY	TOTAL PERCENT
	55%
I. Statistical Skills	
Provides consultation to research team to develop and evaluate instruments, tools and training. Designs, coordinates and conducts research studies of broad complexity and impact.	Percent Essential 10% Yes
Compiles and interprets research data. Contributes to formulation and prioritization of interventions based on data.	Percent Essential 10% Yes
Maintains professional expertise and conducts training on scientific research methods.	Percent Essential 10% Yes
Develops written policies and procedures.	Percent Essential 5% Yes
May lead other research staff. Helps train, guide and mentor project team members.	Percent Essential 5% Yes
Presents and interprets the results of research findings.	Percent Essential 5% Yes
Provides team leadership in evaluating and refining investigation methods. Leads investigations / studies for local or external constituents.	Percent Essential 5% Yes
Prepares reports, scientific publications and articles for publication.	Percent Essential 5% Yes
	TOTAL PERCENT
	45%
II. Data Management	
Designs studies and data collection tools.	Percent Essential 10% Yes

Provides technical assistance on data management and use of research data to analyze and interpret findings.	Percent 10%	Essential Yes
Develops database tool for tracking research data and assists in transmission and presentation of data.	Percent 10%	Essential Yes
Designs computer programs to evaluate research data and provide reports to users.	Percent 10%	Essential Yes
May lead implementation of data management systems.	Percent 5%	Essential Yes

Knowledge, Skills and Abilities

DESCRIPTION	IMPORTANCE
A In-depth knowledge of research function.	Required
B Advanced skills associated with statistical analysis, database management and systems programming. Exceptional computing skills in statistical software and a publication record documenting both self-directed and collaborative research.	Required
C Advanced skills in analysis and consultation.	Required
D Advanced ability to communicate complex information in a clear and concise manner both verbally and in writing.	Required
E Advanced project management skills. Ability to lead and influence within and external to project team. Advanced ability to build, foster, and maintain positive and productive professional relationships.	Required
F Advanced research skills at a level to evaluate alternate solutions and develop recommendations.	Required
G Advanced ability to think creatively to recommend action steps or strategize solutions relative to research.	Required
H Advanced ability to professionally manage cross discipline and cross institute collaborations, acting as an engaged and proactive subject matter expert.	Required
I Knowledge of clinical trials designs.	Required
J Advance ability to develop and maintain good working relationships with colleagues and research team members.	Required
K Advance ability to manage multiple collaborations - multi tasks.	Required
L Advance experience designing and analyzing large data, including co-authoring protocols, grant proposals, and peer-reviewed publications.	Required

Environment

PHYSICAL ACTIVITIES

Standing: Occasionally	Crawling: Occasionally	Bending: Occasionally	Walking: Occasionally
Climbing: Rarely	Kneeling: Occasionally	Sitting: Frequently	Reaching: Constantly
Balancing: Occasionally	Seeing: Constantly	Keying: Frequently	Feeling: Occasionally
Talking: Frequently	Hearing: Constantly	Handling: Constantly	Lifting 0-20 lb: Occasionally
Lifting 20-50 lb: Rarely	Lifting 50+ lb: Occasionally	Carrying 0-20 lb: Occasionally	Carrying 20-50 lb: Occasionally
Carrying 50+ lb: Occasionally	Pushing 0-20 lb: Occasionally	Pushing 20-50 lb: Occasionally	Pushing 50+ lb: Occasionally

MENTAL ACTIVITIES

Reading: Constantly	Writing: Frequently	Calculating: Frequently
Communicating Orally: Frequently	Reasoning: Constantly	Analyzing: Constantly

ENVIRONMENTAL CONDITIONS

Confined Areas: Rarely	Exposed to Weather: Rarely	Noise Exposure: Rarely
Vibrations: Rarely	Extreme Temperatures: Rarely	Potential Hazards: Rarely
Fumes/Odors/Mists/Dusts: Rarely	Potential Allergens: Rarely	Work Inside: Constantly
Work Outside: Rarely	Other:	