

## 1 Overview

Biostatisticians collaborate with clinical colleagues to develop study protocols, statistical analysis plans, analyse data and prepare clinical reports. They work with other statisticians in the department to facilitate the appropriate application of statistical methodology to study design, analysis and reporting. Biostatisticians contribute to scientific presentations and publications based on clinical data, and where appropriate may work with Senior Biostatisticians to have input into commercialization activities such as regulatory submissions. They also provide input into the training and education of clinical colleagues on statistical and general clinical trials methodology.

## 2 Qualifications

May include:

- Bachelor, Masters or PhD
- Mathematics, statistics or biostatistics major

## 3 Salary Range

Permanent \$70,000 – \$120,000 pa

## 4 Previous Positions

- Biostatistician
- Statistician
- SAS Programmer

## 5 Industry Background

- Public Health / Epidemiology
- CRO
- Govt/Academic eg NHMRC
- Psychology (stats personality profiling)
- SAS Institute
- Insurance
- Healthcare
- Pharmaceutical/Biotech/Medical Devices
- Environmental (rarely)

## 6 Career Progression

- Senior Biostatistician
- Team Leader
- Manager
- Head of Department

## 7 Typical Responsibilities

- Provide statistical leadership in the design and analysis of clinical trials in accordance with International Committee for Harmonisation (ICH) guidelines, and the SOPs and standards of the company.
- Timely production of statistical deliverables, including statistical sections of study protocols, statistical analysis plans and final statistical reports
- May provide oversight and direction to statistical programmers in implementing analyses in accordance with statistical analysis plans
- Statistical support for consolidation of Australian clinical trials into global product repositories
- Statistical input into commercialization activities such as regulatory submissions, product defences and responses to regulatory queries, in collaboration with Senior Biostatisticians
- Statistical input on journal publications and other scientific presentations, and interpretation of clinical data for marketing purposes
- Contribute to the development of training programs country clinical groups and external investigators on statistical principles relevant to clinical research
- Ongoing development of additional knowledge of statistical methodology relevant to clinical research and participation in professional activities