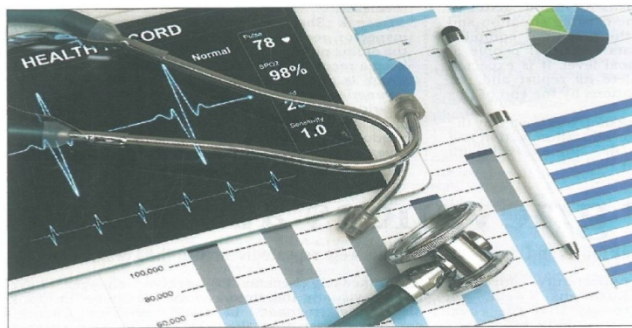


Career Opportunities In Clinical Data Management And Statistical Analysis System (Sas)

Clinical research is an important aspect of medical field. This field involves collection of safety and efficacy data for new drugs or devices. Effective Data Management is required in order to reduce the possibility of manual error along with verification of entered data. Clinical Data management is one of the field which transform raw data into consistent, accurate, reliable, meaningful trial output in accordance with guidelines.

Market of Clinical Data Management is expected to grow to US\$1.37 billion by 2015. Driving factors for growth of this segment are advancement in e-technologies, continuing technological advancements and globalization of clinical trials. CDM market size is considered to be >US\$60 million growing at a rate of over 50%.

Data analysis is important aspect in order to retrieve useful information. Here comes the role of Statistical Analysis System (SAS) which is software used to manage and retrieve data and performs statistical analysis on it. Statistical Analysis is the science of collecting, exploring and presenting large amounts of data to discover underlying patterns and trends. Statistics holds a central position in almost every field like Industry, Commerce,



Trade, Physics, Chemistry, Economics, Mathematics, Biology, Botany, Psychology etc. SAS is an integrated system which is helpful in performing various tasks such as retrieval, management, and mining, report writing and graphics, statistical analysis, business planning, forecasting, and decision support, operations research and project management, quality improvement, applications development, Data warehousing (extract, transform, load) and Platform independent and remote computing.

Clinical Data Management (CDM) and Statistical Analysis System (SAS) have long way with increased importance within and outside biopharmaceutical research

and development. After successful completion of Clinical Data Management course, one can work as clinical data manager. Clinical data managers are directly involved with clinical research for pharmaceutical and biotechnology companies and other public, private, and academic-related research centers. Clinical data managers oversee all aspects of program-related data, from design and framework to collection, processing, storage, retrieval, and more, maintaining compliance with FDA and other regulations. Other Opportunities are medical laboratory technologist and operations research analyst etc. Predicted job growth rate for medical laboratory

technologist is 11% from 2010-2020, as per the U.S. Bureau of Labor Statistics. Job opportunities for Operations Research Analyst is expected to increase 15% from 2010-2020.

After successful completion of SAS, one can start working as: SAS Programmer/Analyst, Lead Clinical SAS Programmer, SAS Programmer, Senior SAS Programmer, SAS Product Developer and SAS Developer. Major companies hiring clinical data management and SAS professionals are CTS, TCS,

PPD, BMS, Pfizer, Accenture, ICON, Novartis, Quintiles, Parexel, Necman Medical, WIPRO, IBM India, Genpact, Glaxo, Tech Mahindra, HCL etc.

The Faculty of Clinical Research (FCR) has been established as a constituent facility of Institute of Good Manufacturing Practices India (IGMPI), registered as a non-profit society (under The societies registration act, 1860) with the government of India and also a member of Quality Council of India (QCI), an autonomous body and an accreditation authority for educational and vocational training providers under the department of Industrial Policy & Promotion, Ministry of Commerce and Industry. As a global training provider, it is guided by dynamic and industry experienced professionals from various sectors. Faculty of Clinical Research, IGMPI offers two job placements based programmes in these areas of Clinical Data Management (CDM) and SAS (Statistical

Analysis System) via Regular, Part time and Distance cum e learning mode. All those who have completed their Graduation or Post Graduation are eligible to enroll for the course. As this course is truly professional and industry oriented, employed individuals working in any sector (production, processing, quality, trial, R&D, IT & Statistics etc.) in the healthcare industry (Drugs manufacturing, Medical Device, Pharmaceutical Industry Regulation, Clinical Research, Homeopathic or Ayurveda Medicine Manufacturing, Cosmetic Manufacturing, Biotechnology) can also seek benefits of the course

Professionally trained personnel are required to sustain in challenging environment of these fields. These programmes provide both professional as well as organizational benefits. Professional benefits involve sense of accomplishment, validation

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