

# Senior RWE Scientific Data Analyst

Job ID  
REQ-10034686  
Dec 19, 2024  
India

## Summary

Program and validate programming of Real World Evidence (RWE) dashboards using R and shiny. Conduct observational database SAS programming and statistical analysis of large observational databases aligned with Novartis RWE strategies, with minimal supervision.

## About the Role

Senior RWE Scientific Data Analyst

Location – Hyderabad #LI Hybrid

About the Role:

Program and validate programming of Real World Evidence (RWE) dashboards using R and shiny. Conduct observational database SAS programming and statistical analysis of large observational databases aligned with Novartis RWE strategies, with minimal supervision.

Key Responsibilities:

- Lead the development of programming using languages such as SAS or R along with complex SQL queries to extract, clean, manage, and analyze large databases for health outcomes research. Data sources include medical and pharmacy claims data, hospital data, electronic medical record data, and prospective observational study data.
- Provide guidance and translate the study design into algorithms to extract, analyze and report secondary data for Non-Interventional Studies (NIS) or interactive data visualization tools.
- Collaborate with the RWE Research Analyst to scope and design projects.
- Conduct observational data analyses including data management and statistical programming as well as the development of RWE dashboards.
- Experienced in machine learning and data mining techniques such as random forest, GBM, logistic regression, SVM, deep learning. Experience in dimensional reduction and R packages such as ggplot, plotly or t-sne.
- Drive consistency and compliance with company standards of the project documentation for observational studies and interactive data visualization tools, including programming, specifications of analysis datasets, tables, figures and listings.
- Conduct and enhance quality review in compliance with company standards and processes upon various stages of the projects.

Commitment to Diversity & Inclusion: :

*We are committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.*

Essential Requirements:

- Bachelor's degree plus 5+ years of experience as programmer or data scientist in the pharma industry, contract research organization, or academic institute; or experience in a closely related discipline.
- Expert in the following R packages: Shiny, Rmarkdown, ggplot, plotly, data.table, dplyr. Expert in version control tools such as git or JIRA. Experience in setting up standardized programming scripts.
- 4+ years of programming experience and proven technical abilities with data manipulation, analysis and visualization including SAS or R, SQL and other statistical software.
- An interest in developing programming, statistical, visualization and analytical skills. Prior experience using large transactional databases such as claims databases, EMR, registries or financial databases.
- Exceptional problem-solving abilities with solid experience of statistical methods (regression, Anova, t-tests, etc.). Strong experience in SQL querying using at least one of the following Hive, Impala, MySQL, OracleSQL or similar. Experience with big data platforms such as Hadoop, Apache Spark is a plus.

Desirable Requirements:

- Holds a high standard on quality excellence. Continuously seeking to enhancing standards, technology through expansion of knowledge and training. Support teamwork to swiftly and efficiently deliver innovative new products to patients and healthcare providers. High ethical values and standards. Able to speak out, challenge conventional thinking, and stand up for ideas. Strong team spirit. Ability to work well within a global organization.

Why Novartis: Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here: <https://www.novartis.com/about/strategy/people-and-culture>

You'll receive: You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook. <https://www.novartis.com/careers/benefits-rewards>

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**Benefits and Rewards:** Read our handbook to learn about all the ways we'll help you thrive personally and professionally: <https://www.novartis.com/careers/benefits-rewards>

Division

Operations

Business Unit

Innovative Medicines

Location

India

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

Data and Digital

Job Type

Full time

Employment Type

Regular

Shift Work

No

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Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to perform the essential functions of a position, please send an e-mail to [diversityandincl.india@novartis.com](mailto:diversityandincl.india@novartis.com) and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

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