

# R Speaks NLME (RsNLME)

Enables flexible and seamless model workflow



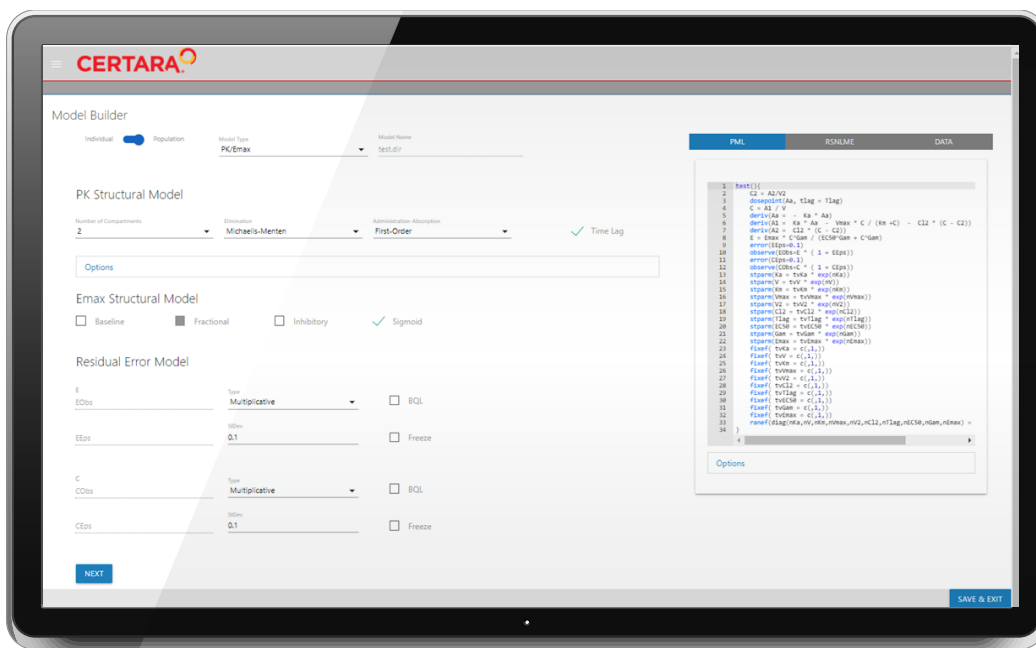
## RsNLME

R Speaks NLME (RsNLME) is a collection of R packages and companion RShiny apps that allow scientists to run models using the Certara NLME engine and PML (Pharmacometric Modeling Language) syntax directly from the R command line. RsNLME is also available through Pirana, Certara's modeling workbench.

RsNLME is an intuitive, agile R-based application that provides key benefits to users such as:

### Ease of use

- Allows users to define models without in-depth knowledge of underlying code
- Utilizes Certara's PML modeling language for easy, transferable PK/PD structural model coding in R
- Supports existing Phoenix WinNonlin™ and Phoenix NLME™ models
- Provides R tidyverse based syntax for model manipulation and execution



### Key Benefits

RsNLME enables:

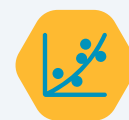
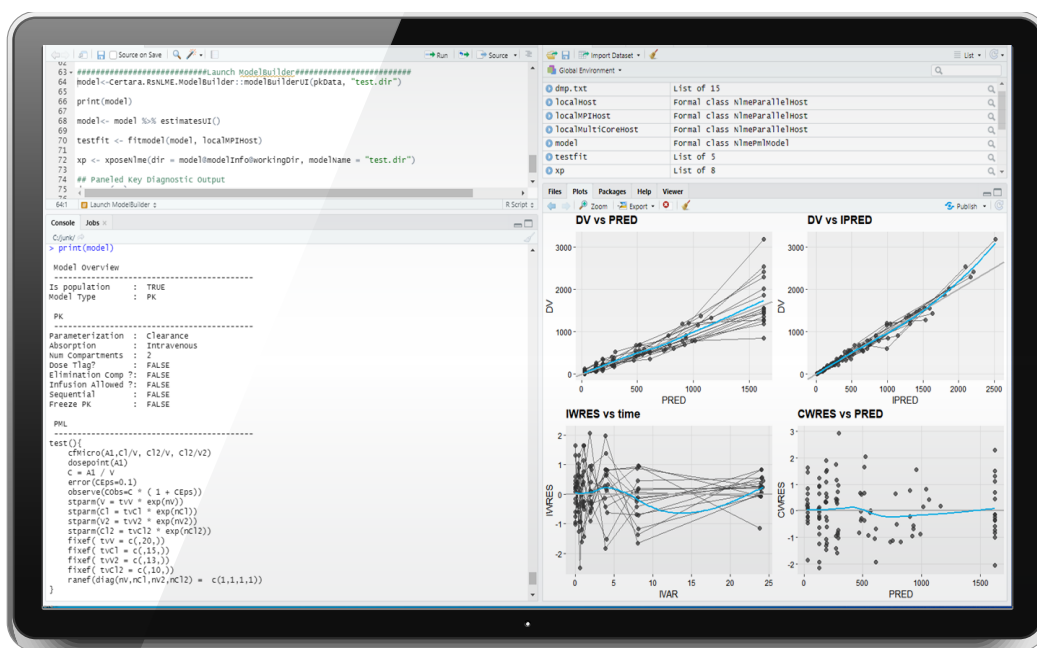
- Ease of use
- Seamless workflow
- Flexibility

## Seamless workflow

- Supports key workflow elements by providing companion RShiny apps and real-time command line code generation
- Helps novice users become advanced by teaching command line methods
- Allows advanced users to fully customize at the command level
- Harmonizes organizational model workflow through Certara's Pirana modeling workbench

## Flexibility

- Provides unlimited flexibility by working hand in hand with existing open source R tools
- Allows users to build population PK/PD models with a graphical user interface that is portable to the command line
- Offers Certara University training tutorials, R package user guides, and more to aid users when needed



Reduce time spent performing analyses in disparate tools and streamline your workflow process. RsNLME provides a flexible, affordable option that combines ease of use with command line flexibility to meet the needs of novice and advanced users alike.

## About Certara

Certara optimizes R&D productivity, commercial value and patient outcomes through its unique portfolio of model-informed drug development, regulatory science, and market access solutions. In fact, 90+% of all novel drugs approved by the US FDA in the past six years were supported by Certara software or services. Its clients include 1,600 global biopharmaceutical companies, leading academic institutions, and key regulatory agencies across 60 countries.

For more information, visit [www.certara.com](http://www.certara.com).