

R Environment System Qualification



Project Scope

The work stream will develop scripts to qualify an R environment, including the base installation and additional R framework that exists for the base installation tests; however this does not include testing for additional packages. The tests will initially include those that R and the packages come installed with; however, the work stream will also develop a repository of tests to supplement those tests. Organisations could extend the tests if they find them insufficient and contributed their changes back to the project if their policies allow. This work stream will collaborate with the RValidationHub and the RConsortium to gather requirements for R environments and best practices for qualifying R systems. This project will focus on R environments; however, the process could be extended to analysis environments including Python, Julia and other languages. The work done with the framework could be extended by other groups working with virtualised environments like Best Practices for Interactive Visualisations. It could also be extended by the Clinical Statistical Reporting in a multilingual world group to ensure environments with multiple languages work as expected.

Project Leads	Email
Eli Miller	eli.miller@atorusresearch.com

CURRENT STATUS Q3/42021

Team to finish review of R environment qualification script and expand to contributed tests.

Objectives & Deliverables	Timeline
Kick off Meeting	Q2 2021
Working System Qualification Script	Q3 2021

Project Members	Organisation
Adrian Olszewski	2KMM
Ashwath Prakash	Industry
Brian Laughlin	Industry
Chintan Patel	Labcorp
David Dube	Sarepta Therapeutics
Drew Foglia	Veeva Systems
Eric Milliman	Biogen
Ippei Akiya	Industry
Kelci Miclaus	Industry
Manolo Corte	Industry
Marie Endettuoli	SCHARP
Matthew Travell	GW Pharmaceuticals
Tania Walton	Sycamore Informatics
Vineet Sharma	Serepta Therapeutics