

# R consortium

# R submission Pilot Updates

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## **By the Submission pilot execution team**

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# Recap: R submission Pilots Scope and Plan

## Our Mission

- Easier R-based clinical trial regulatory submissions today
  - by showing open examples of using current submission portals
- Easier R-based clinical trial regulatory submissions tomorrow
  - by collecting feedback and influencing future industry and agency decisions on system/process setup

## Pilot principles

Provide open examples of submitting R-based clinical trial data/analysis packages to FDA.

- All pilots will be submitted from R consortium (non-profit identity) to FDA. Public available data will be used.
- All data, codes and documents will be fully available to public.
- FDA reviewers will be engaged to review submission package.
- Submitters and FDA Reviewers will provide feedback on current process/system.
- Contributions from multiple organizations are preferred in order to avoid bias towards organization specific tools.

## 3 planned pilots

- Pilot1: common analysis (Q4 2021)
- Pilot2: advanced analysis (Q2 2022)
- Pilot3: alternative formatting for package submission (TBD)

# Recap: Pilot 1 Goal

## Key evaluation aspects:

- For Submitter
  - Submission of proprietary R packages (in txt format)
  - Preparation of R-based submission materials
- For FDA Reviewer
  - Reproduce analysis results by reconstructing submitted proprietary packages / retrieving open source packages
  - Provide feedbacks and/or review comments

## Data and analysis scope:

- 4 TLFs (3 tables, 1 figure)

## Success Criteria:

- Submitter:
  - Successfully submit via eCTD portal
- FDA Reviewer:
  - Reproduce analysis results

# Execution team updates

- Esub gateway setup (R consortium as sponsor)
- Rstudio cloud and [Github](#) setup
- Finalized pilot1 [scope](#)
- Ran [P21](#) on cdisc pilot datasets
- [Initiated](#) code preparation and document preparation

# Tentative timeline

- 9/30/2021: complete draft codes and documents, internal review within the execution team
- 10/1 - 10/15 2021: Review by WG
- Late Oct: actual submission after adjudication

## Asks

- WG members: to provide feedback during WG review time frame (Oct)
  - Earlier feedback are also welcome (via [GH issues](#))
- FDA members
  - Identify potential reviewers
  - Feedback on scope and timeline

# Additional topic

Follow up on Paul Schuette's request that we suggest rewording to Section 4.1.2.10 of the [Study Data Technical Performance Guide](#).

*“Sponsors should submit software programs in ASCII text format. Executable file extensions should not be used.”*

We suggest adding -

*Submission of programs with their native file extensions are acceptable, as long as binary file formats and pre-compiled code are not delivered.*