# Welcome to REASSURe documentation

Developed by LSHTM with support from UNICEF, it streamlines the management and analysis of SMART Surveys. SMART surveys are essential for evaluating nutritional status and mortality. Typically, these surveys are analyzed using the ENA software, which handles only one survey at a time. For projects requiring the analysis of hundreds of SMART surveys at different administrative levels, this tool has been developed to optimize the process. It applies the results of the ENA to several surveys simultaneously and includes additional functionality to improve analysis and management.

This document will explain you how you can run the app to obtained the results you expect from.

Step 1: Access to R and RStudio

If you already have rstudio in your computer, you can go directly to Step 2 section.

Else you can follow the instructions on this web page https://posit.co/download/rstudio-desktop/ (summarised in the following figures) or watch this Youtube video:

[https://www.youtube.com/watch?v=H9EBlFDGG4k&ab\_channel=ProgrammingKnowledge.](https://www.youtube.com/watch?v=H9EBlFDGG4k&ab_channel=ProgrammingKnowledge)

**Step 1: Download R & RStudio:**

Copy and paste this link to your internet web provider <https://posit.co/download/rstudio-desktop/> and then follow the figures 1 to 6.

A screenshot of a computer

Description automatically generated

*Figure 1. Screenshot of the Web page* [*https://posit.co/download/rstudio-desktop/*](https://posit.co/download/rstudio-desktop/)

A screenshot of a computer

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*Figure 2. Screenshot of the R Web page: https://cran.rstudio.com/*

A screenshot of a computer

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*Figure 3. Screenshot of the R Web page: https://cran.rstudio.com/*

A screenshot of a computer

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*Figure 4. Screenshot of the R Web page*[*: https://cran.rstudio.com/*](https://cran.rstudio.com/) A .exe will be downloaded. Double click on it.

A screenshot of a browser

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*Figure 5. Screenshot of the downloaded file obtained after the previous steps.*

A screenshot of a computer

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*Figure 6. Screenshot of the .exe file.*

Click Next until the end and make sure you have saved the file to your C drive: 

**Step 2: Download RShiny**

Copy and paste this link to your internet web provider <https://posit.co/download/rstudio-desktop/> and then follow the figure 7 to 8.

A screenshot of a computer

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*Figure 7. Screenshot of the Web page* [*https://posit.co/download/rstudio-desktop/*](https://posit.co/download/rstudio-desktop/) A .exe will be downloaded.

A close-up of a computer screen

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*Figure 8. Screenshot of the downloaded file obtained after the previous step.*

A screenshot of a computer

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*Figure 9. Screenshot of the .exe file.*

You now have access to R and RShiny !

**Step 2: Download REASSURE**

Please copy and paste this link in your web: <https://github.com/yamnao/reassure_app>