

Stage one – data analysis

Instructions

What

After collecting the adherence results and interviewing the participants you should begin logging and analysing the data. The logging spreadsheet allows you to record your findings by participants and as a whole group.

How

Record all adherence results

1. Open the example [logging spreadsheet](#) and go to “file > make a copy”.
2. Find the sheet labeled “Adherence results – stage one”.
3. Find **[Day of Week1]** and replace all instances with the day of the week the study started on. Repeat this procedure for all days.
4. Replace all instances of **[Participant No]** with the participant numbers.
5. Use the “participant profile” sheet in the same document to fill in the detail for the participants “group” and condition for the first stage of the study.
6. Use the drop-down list to select “yes” or “no” to record the adherence for each occasion. The cell will automatically change colour to green or red based on the content of the cell.
7. Tally the number of pills the participant has taken and the number they have missed.
8. Divide the number of pills they have taken by 14 to calculate their adherence percentage. (a patient is deemed to be adherent if they take 80% or more of their medication).
9. Repeat the process for each participant.

Record each participant’s results

1. Open your logging spreadsheet
2. Go to the sheet “TEMPALTE-EXAMPLE00-RESULTS” within the same document.
3. Duplicate this sheet and rename it with the participant’s number.

4. Copy and paste the adherence results from the “Adherence results – stage one” sheet.
5. Add their score for “easy/hard to do” from the interview
6. Add the most insightful comments about their adherence results. As well as the occasion e.g. Tuesday, score 4.
7. Repeat for each page of the interview guide, adding in the key findings.
8. Colour the cell backgrounds green (#d9ead3) for positive, red (#f4cccc) for negative. Use yellow (#fff2cc) to highlight interesting comments
9. Repeat the entire process for all participants until each participant has their own sheet in the spreadsheet.

Post study survey results

1. Open your logging spreadsheet
2. Go to the sheet “Post-study Survey - Experimental condition”
3. Copy and paste all results the results from your survey
4. Review all comments and highlight any key findings in green (#d9ead3).
5. The sheet will automatically average all scores on the last line (if you have fewer than 24 participants).