

# KIND Community Standards: Excel

AUTHOR

Brendan Clarke, NHS Education for Scotland, [brendan.clarke2@nhs.scot](mailto:brendan.clarke2@nhs.scot)

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Excel workbooks are frequently troublesome. This document contains a simple check-list to avoid the most serious problems found in Excel files in health and care. The aim is to be:

- universal, to provide effective guidance across health, social care, and housing
- simple and achievable, to keep to the most important guidance only
- realistic and grounded in health, social care, and housing practices

This is version 1, and this document will be fully reviewed in January 2025 by the KIND network community.

## Basic standard for Excel workbooks

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- Make your data tidy
  - One value per cell
  - One observation per row
  - One variable per column
- Avoid repetition
  - consider restructuring into several tables to avoid repeating data
- Use tables to contain data wherever possible
- Use meaningful sheet, table, and column names (not **Sheet 1**, **Sheet 2** ...)
- Use number formatting as appropriate
  - Dates and percentages are especially important to format correctly
  - Text format for CHI numbers, rather than the initial '
- Avoid using colour-based formatting which can easily breach accessibility guidance
  - If conditional format is required, prefer using more accessible formats, such as shape icons sets

## Enhanced standard for Excel workbooks

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Follow the basic standards above, plus:

- Consider using data validation to make data consistent, especially if you don't really want free text
- Add a documentation / readme worksheet. You might include:
  - a description of the data
  - information about ownership/origin/dates/data sources
  - a key explaining abbreviations
  - explanation of any complex formulas

- advice about correct and consistent method of naming different versions of the workbook
- Consider using lambda formulas to avoid repetition of complex formulas
- Prefer structured referencing and naming to the use of complex A1 referencing
- Consider loading data using Power Query, especially if the workbook is designed to be updated