Maternity Reporting

# Part One: Running the Report

The report is currently setup to produce seven reports, one each for the ICB in the North East & Yorkshire, and the North West. The Introduction and notes are common to all reports, but the table and funnel plots are ICB dependent.

To produce the reports, you simply need to open the file ‘RunThisFile.r’ in RStudio, select all the lines and ‘run’.

Further details are provided in the Appendix.

# Part Two: Updating Data

*The SQL code to refresh the data is given in the file ‘Data\_Extract\_New\_Delivery\_Method.xlsx’. The first section contains the list of variables that would need updating during a refresh.*

*Does anything need to be said about the exclude flag here?*

# Appendix: a more detailed description

On running the script, the first section that is run is the ‘OneTimeProcessing.r’. This can be viewed as four parts:

* Setting up all the libraries
* Read in the data, and do a little tidying of the Trust names
* Define the function that produces the funnel plot
* Drawing the table for the Metadata [1]

A list of ICB codes and their corresponding names[[1]](#footnote-2) are defined [2], and then these are looped through, doing each ICB one at a time [3]. We first source the r code called ‘InLoopProcessing’ – for each ICB report it has a table of how it’s trusts are performing for each indicator. In practice this means that for the ICB we have to loop through all the indicators one by one. A funnel plot of ***all*** trusts must be calculated, and then those belonging to the ICB have a note made about their conditional formatting – whether they are outside the control limits, and if so, above or below [4]. (For a more detailed version, please refer to the comments in the code).

Finally, each ICB is rendered by the ‘ForEachICB’ markdown code [5]. This is basically text and html layout, although a funnel plot for each indicator is also plotted [6].

A diagram of a process

Description automatically generated

1. Almost certainly an ampersand will have replaced the word ‘and’ [↑](#footnote-ref-2)