



## Interpreting figures within the report

The organisation-level data presented in the report's plots are published in the NHS Organisation Data Viewer; alongside the annual report.

### Pyramid plots

These are used to compare observed percentages for individual NHS organisations.

The horizontal axis is split either:

- (1) By (two) age groups, or
- (2) By another grouping of interest (for example type of primary surgery), in which, the bars for the (two) age groups are overlaid.

Finally, the results plotted on the vertical axis are ordered by country (Wales then England) and then by the individual NHS organisation.

### Funnel plots<sup>1</sup>

These enable the user to assess variation in the results across NHS organisations.

Funnel plots are used to highlight variation in the rate of surgery across organisations and to assess whether this variation is larger than would be expected in any age group.

### 'Caterpillar' plots

These are used to compare the risk-adjusted percentages for individual NHS organisations.

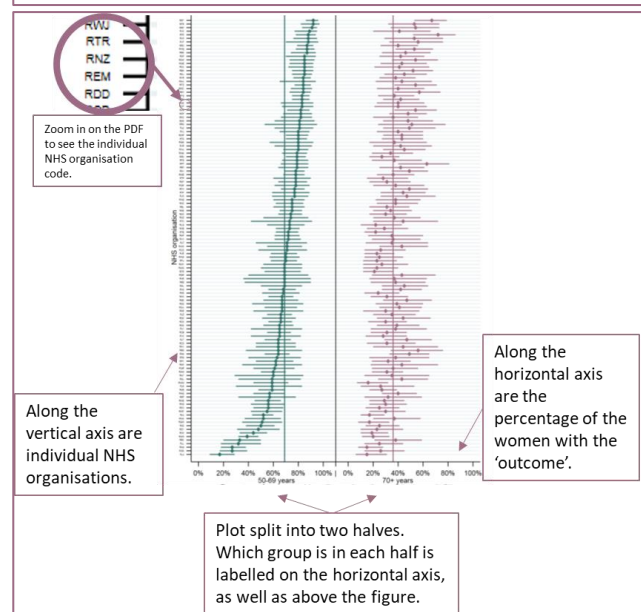
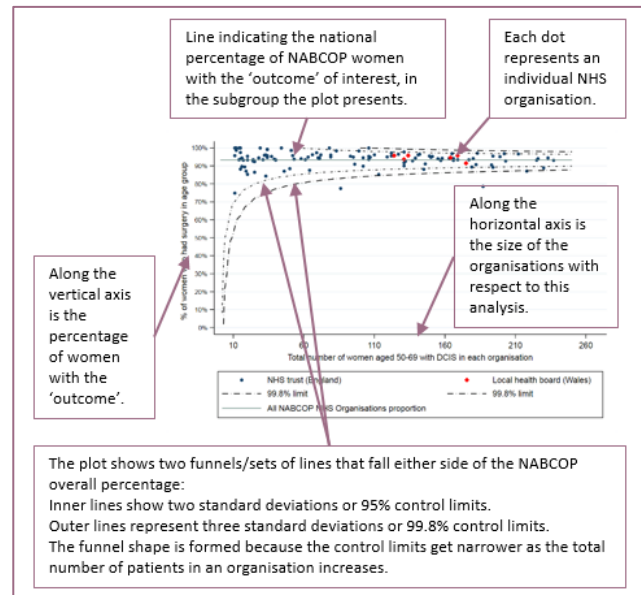
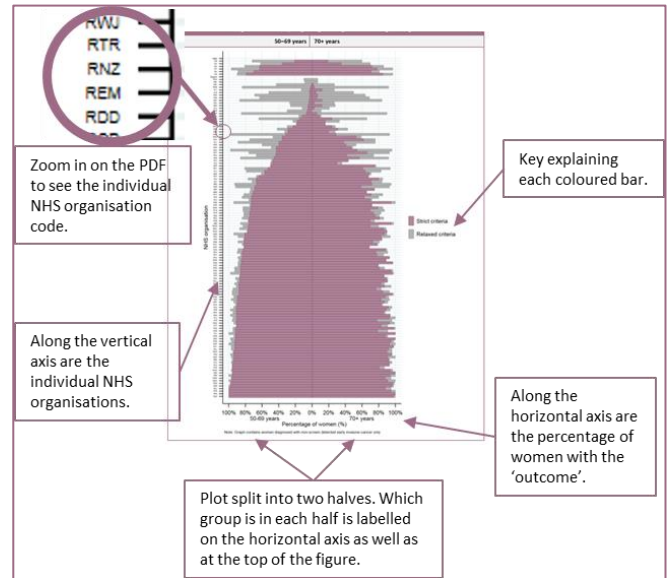
They show the percentage (plotted as a dot) in each organisation, as well as the 95% confidence interval (plotted as a line through the dot). This enables the reader to have some understanding of the number of patients in the group.

The horizontal axis is split either:

- (1) By (two) age groups, or
- (2) By another grouping of interest (for example ER status).
- (3) By both age groups and other grouping of interest.

The results plotted on the vertical axis are ordered by country (Wales then England) and by the individual NHS organisation.

The examples below are annotated with guidance on interpreting these figures.



<sup>1</sup> Funnel Plot Source: David Spiegelhalter, Medical Research Council Biostatistics Unit - <http://www.erpho.org.uk/Download/Public/6990/1/INPHO%204%20Quantifying%20performance.pdf> - <https://www.ncbi.nlm.nih.gov/pubmed/15568194>