



Public Health
England

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User Guide for Diagnostics Atlas of Variation – Instant Atlas

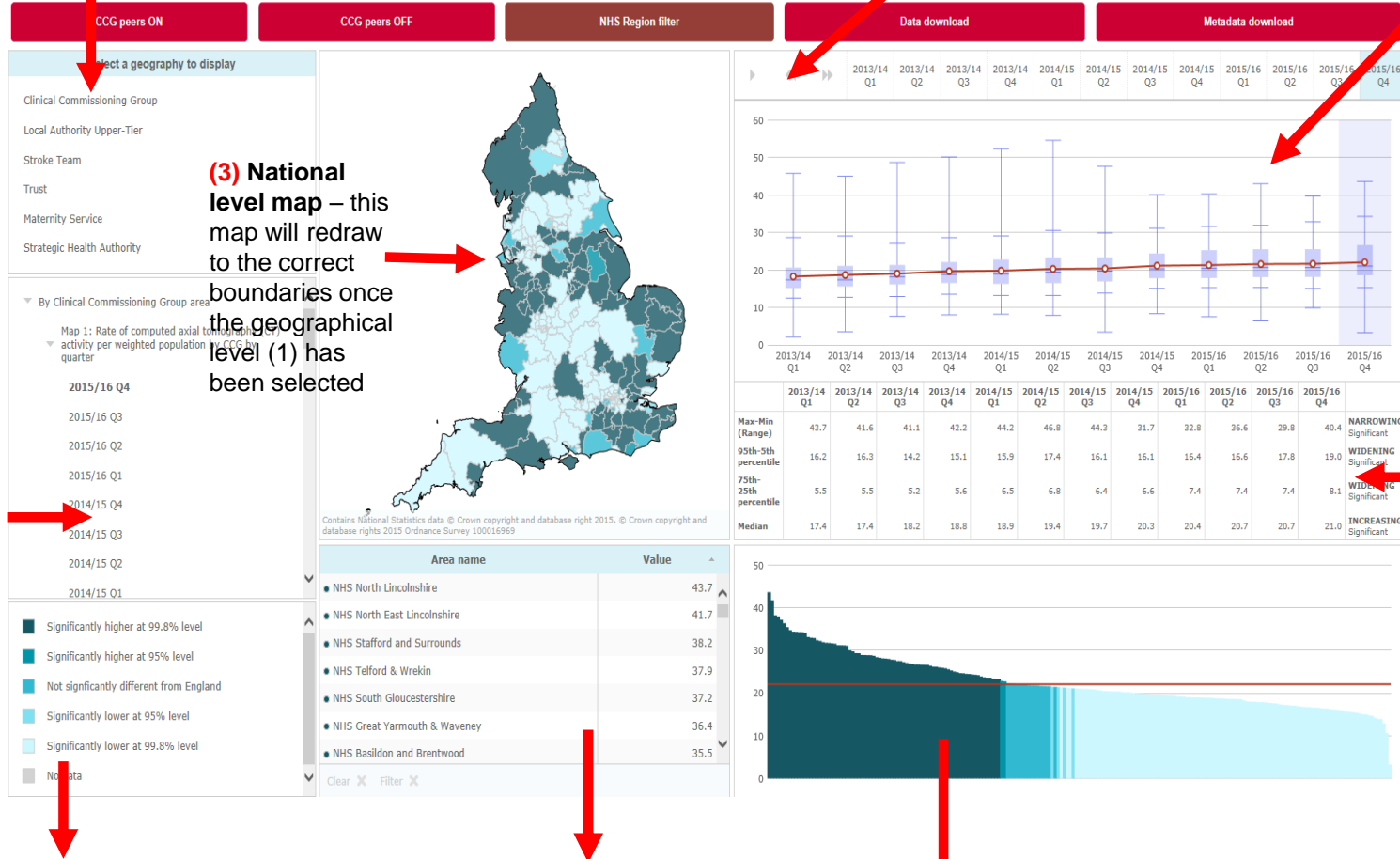
For enquiries or additional support, please contact:
healthcare.variations@phe.gov.uk

GENERAL OVERVIEW

(1) Geographical Level – this is the first step to looking at the data. Click on which geography you are interested in so that it is highlighted.

The 2nd Atlas of Variation in NHS Diagnostic Services in England 2017

Map 1: Rate of computed axial tomography (CT) activity per 1,000 weighted population by CCG by quarter



(2) List of indicators – only the ones relevant to the geographical area that has been selected above (1) will be displayed here

(3) National level map – this map will redraw to the correct boundaries once the geographical level (1) has been selected

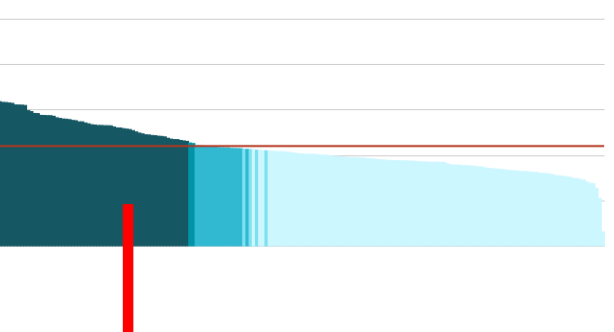
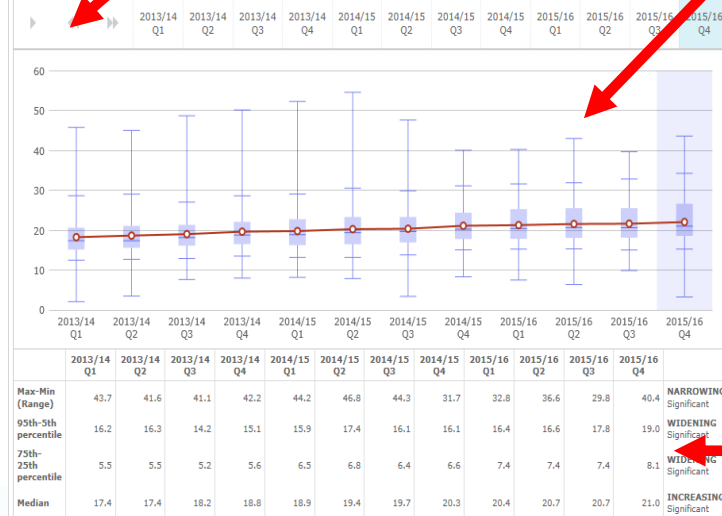
(4) Legend – this is the key for both the map and the column chart. The lightest shade denotes the lowest values and the darkest shade denotes the highest values.

(5) Individual CCG Values – When you click on an indicator (3), the values will be sorted from the highest down to the lowest. Use the scroll bar on the right to move up and down the list

(9) Animation button – this scrolls through all the time points available and shows the movement of the selected organisation within the maps, column chart and box plot

(8) Time series boxplots – this displays the national spread of variation

(7) Statistics table – this details the summary measures used to assess what is happening to variation over time



(6) Column chart – the column chart is split into quintiles and orders the data from the highest values on the left to the lowest values on the right. See (5) for explanation of the colours

WALK THROUGH

1. Click on CCG level of geography
2. As an example, I am interested in Map 1 – click on this and the national map and bar chart will redraw
3. And I am interested in a specific CCG on the map – click which one (in this example is it (NHS Nene) and its boundary becomes highlighted the map along with the column chart. the column chart and a line is drawn
4. The individual values on below the map will automatically scroll down to the CCG of choice
5. The selected area is also shown on the box plot (light blue line) against the England value (red line)
6. The statistics table shows the selected organisations summary statistics for each of the time periods available

The 2nd Atlas of Variation in NHS Diagnostic Services in England 2017

Map 1: Rate of computed axial tomography (CT) activity per 1,000 weighted population by CCG by quarter

Help Print Share



CCG peers ON
CCG peers OFF
NHS Region filter
Data download
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Select a geography to display

Clinical Commissioning Group **1**

Local Authority Upper-Tier

Stroke Team

Trust

Maternity Service

Strategic Health Authority

By Clinical Commissioning Group area

Map 1: Rate of computed axial tomography (CT) activity per weighted population by CCG by quarter **2**

2015/16 Q4

2015/16 Q3

2015/16 Q2

2015/16 Q1

2014/15 Q4

2014/15 Q3

2014/15 Q2

2014/15 Q1

Significantly higher at 99.8% level
 Significantly higher at 95% level
 Not significantly different from England
 Significantly lower at 95% level
 Significantly lower at 99.8% level
 No data

3

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Area name	Value
NHS Bolton	14.7
NHS South Reading	14.2
NHS Sandwell and West Birmingham	13.9
NHS Tower Hamlets	13.9
NHS Nene	12.9
NHS Milton Keynes	10.6
NHS Corby	3.3

Clear Filter

2013/14 Q1 2013/14 Q2 2013/14 Q3 2013/14 Q4 2014/15 Q1 2014/15 Q2 2014/15 Q3 2014/15 Q4 2015/16 Q1 2015/16 Q2 2015/16 Q3 2015/16 Q4

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	2013/14 Q1	2013/14 Q2	2013/14 Q3	2013/14 Q4	2014/15 Q1	2014/15 Q2	2014/15 Q3	2014/15 Q4	2015/16 Q1	2015/16 Q2	2015/16 Q3	2015/16 Q4
Max-Min (Range)	43.7	41.6	41.1	42.2	44.2	46.8	44.3	31.7	32.8	36.6	29.8	40.4
95th-5th percentile	16.2	16.3	14.2	15.1	15.9	17.4	16.1	16.1	16.4	16.6	17.8	19.0
75th-25th percentile	5.5	5.5	5.2	5.6	6.5	6.8	6.4	6.6	7.4	7.4	7.4	8.1
Median	17.4	17.4	18.2	18.8	18.9	19.4	19.7	20.3	20.4	20.7	20.7	21.0

6

3

N.B - These same instructions apply if selecting one of the other geographies to display

LOOKING AT SIMILAR PEERS

- Following on from the previous page, click on the CCG peers ON
- This redraws the map to only highlight those CCGs that are within the NHS RightCare similar 10 grouping – this has deselected the CCG of interest but just click on it again to highlight it
- The column chart also redraws to show the range of variation across the similar 10 grouping.
- The individual CCG values show only the similar 10 sorted from the highest to lowest value (and highlights the area of interest if you reselected it again in step 2)
- If you click CCG peers off, the map will redraw to the national map

The 2nd Atlas of Variation in NHS Diagnostic Services in England 2017

Map 1: Rate of computed axial tomography (CT) activity per 1,000 weighted population by CCG by quarter

Help Print Share

CCG peers ON
CCG peers OFF
NHS Region filter
Data download
Metadata download

1 Select a geography to display

Clinical Commissioning Group

Local Authority Upper-Tier

Stroke Team

Trust

Maternity Service

Strategic Health Authority

By Clinical Commissioning Group area

Map 1: Rate of computed axial tomography (CT) activity per weighted population by CCG by quarter

2015/16 Q4

2015/16 Q3

2015/16 Q2

2015/16 Q1

2014/15 Q4

2014/15 Q3

2014/15 Q2

2014/15 Q1

- Significantly higher at 99.8% level
- Significantly higher at 95% level
- Not significantly different from England
- Significantly lower at 95% level
- Significantly lower at 99.8% level
- No data

5

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Area name	Value
● NHS Bedfordshire	24.7
● NHS Southern Derbyshire	21.0
● NHS Cambridgeshire and Peterborough	19.9
● NHS Wiltshire	19.0
● NHS Gloucestershire	18.6
● NHS Herts Valleys	17.2
● NHS Nene	12.9

Clear Filter

3

	2013/14 Q1	2013/14 Q2	2013/14 Q3	2013/14 Q4	2014/15 Q1	2014/15 Q2	2014/15 Q3	2014/15 Q4	2015/16 Q1	2015/16 Q2	2015/16 Q3	2015/16 Q4
Max-Min (Range)	43.7	41.6	41.1	42.2	44.2	46.8	44.3	31.7	32.8	36.6	29.8	40.4
95th-5th percentile	16.2	16.3	14.2	15.1	15.9	17.4	16.1	16.1	16.4	16.6	17.8	19.0
75th-25th percentile	5.5	5.5	5.2	5.6	6.5	6.8	6.4	6.6	7.4	7.4	7.4	8.1
Median	17.4	17.4	18.2	18.8	18.9	19.4	19.7	20.3	20.4	20.7	20.7	21.0

4

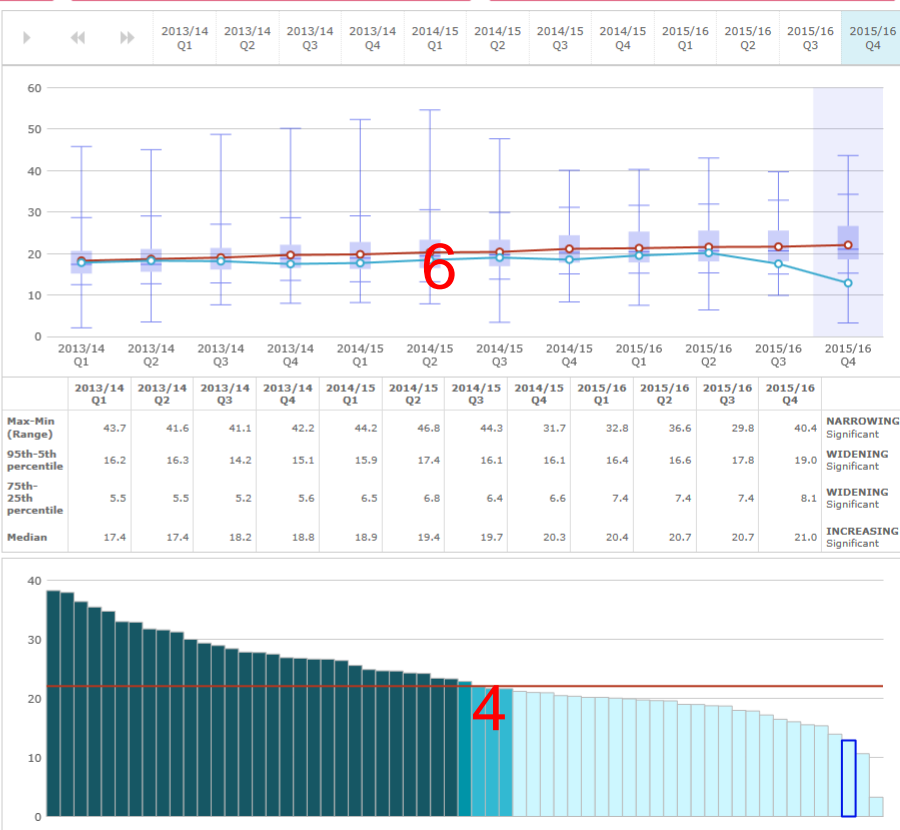
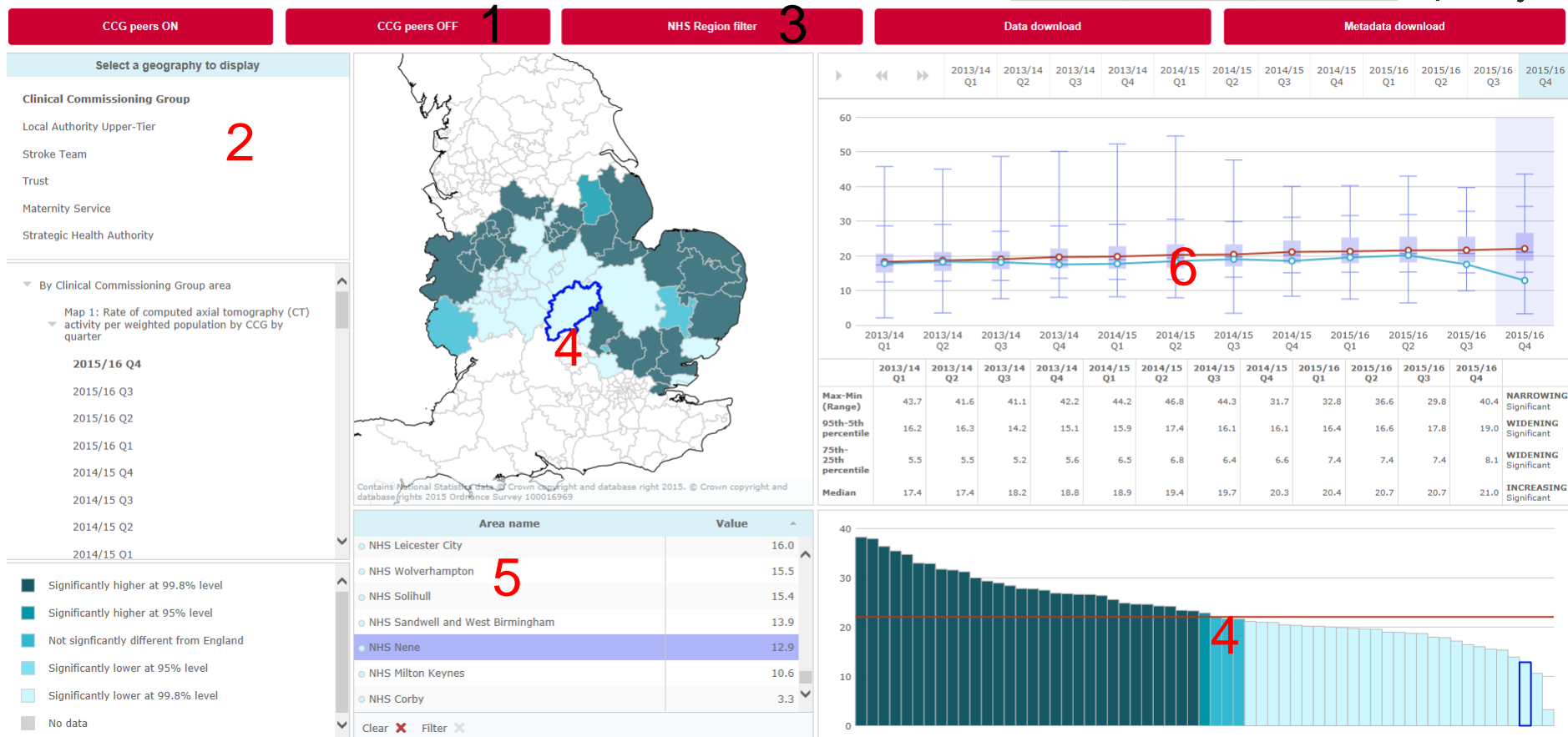
N.B - These same instructions apply if selecting a Local Authority geography to display

FILTERING BY REGION (NHS)

1. If you haven't already, then reset the map to the national view by clicking CCG peers OFF
2. Select CCG in the geography selection
3. Then click on NHS Region Filter – in the example below, Midlands & East Region has been selected
4. This redraws the map and column chart again to only show the region of interest. If you wish to highlight a particular area then just click on it.
5. The individual values show only the areas within the region selected
6. The box plot shows the national value compared to the local area (NB you can select more than one area to display on the maps, column chart and boxplot by by clicking on additional areas).

The 2nd Atlas of Variation in NHS Diagnostic Services in England 2017

Map 1: Rate of computed axial tomography (CT) activity per 1,000 weighted population by CCG by quarter

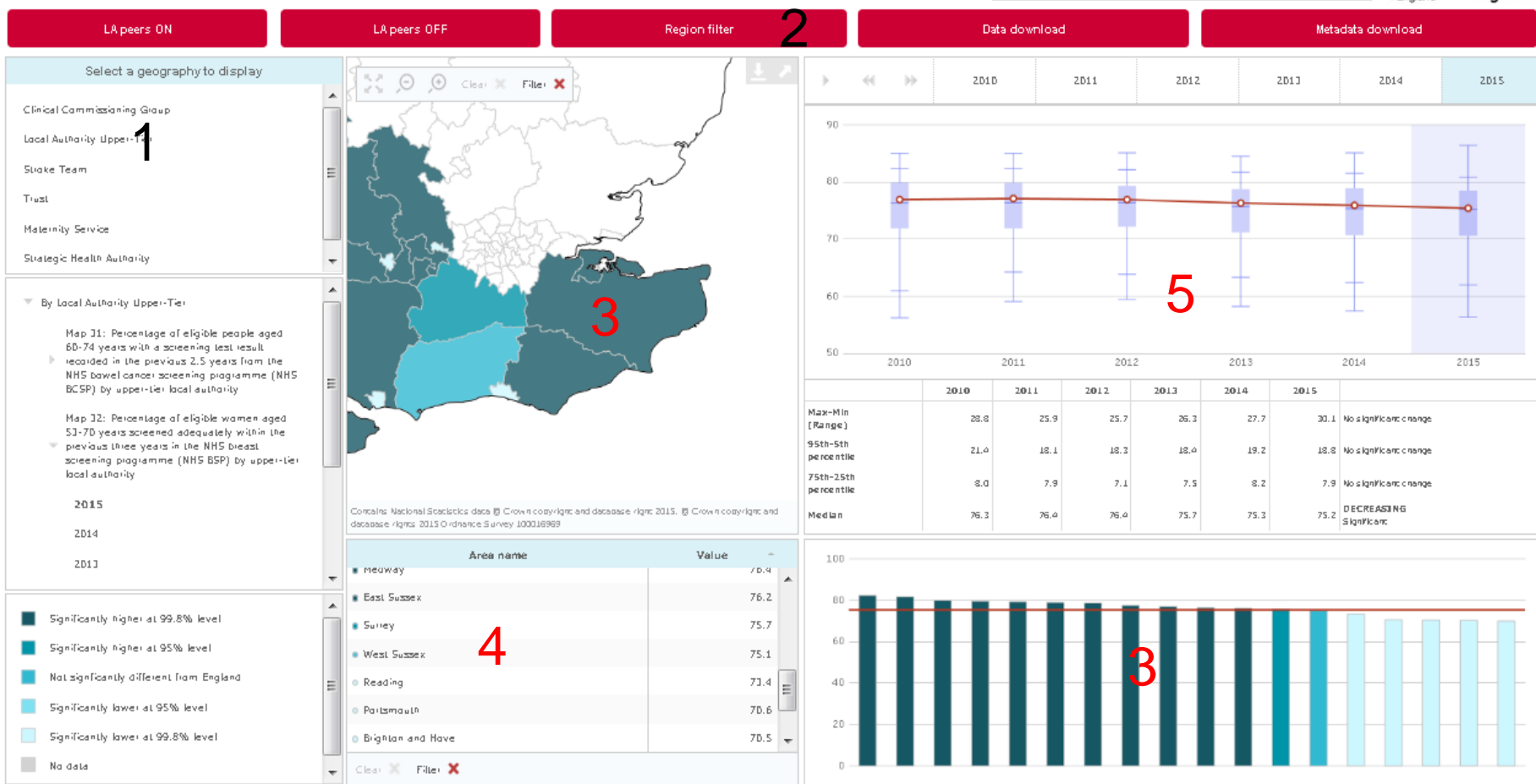


FILTERING BY REGION (LA)

1. Select either upper or lower tier local authority in the geography selection
2. Then click on Region Filter (note name change from CCG filters) – this will bring up 3 options of filtering by Statistical Region, PHE Region or PHE Centre – in the example shown PHE Centre South East has been selected
3. This redraws the map and column chart again to only show the region of interest. If you wish to highlight a particular area then just click on it.
4. The individual values show only the areas within the region selected
5. The boxplot shows the time periods available and hovering over the data will bring up the local values (if an area is selected) or the England value if no other area is highlighted.

The 2nd Atlas of Variation in NHS Diagnostic Services in England 2017

Map 12: Percentage of eligible women aged 51-70 years screened adequately within the previous three years in the NHS breast screening programme (NHS BSP) by upper-tier local authority



Other buttons

This button redraws the map out to the national view

These buttons zoom in and out of the maps

The data can be downloaded into an excel spreadsheet

An additional help file

Print the current view

Share the page via email or use the URL link to embed into a report

The 2nd Atlas of Variation in NHS Diagnostic Services in England 2017

Map 32: Percentage of eligible women aged 53-70 years screened adequately within the previous three years in the NHS breast screening

[LA peers ON](#)
[LA peers OFF](#)
[Region filter](#)
[Data download](#)
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Select a geography to display

- Clinical Commissioning Group
- Local Authority Upper-Tier
- Stroke Team
- Trust
- Metropolitan Service

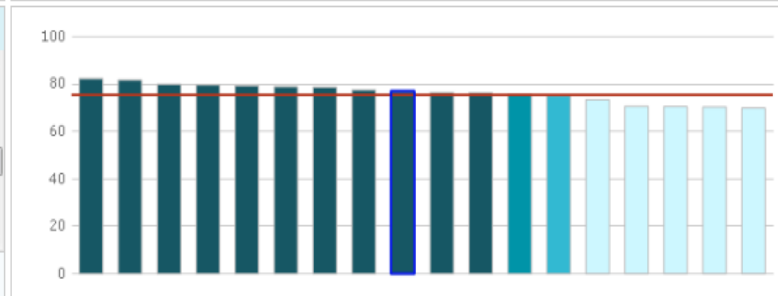
By Local Authority Upper-Tier

Map 31: Percentage of eligible people aged 60-74 years with a screening test result recorded in the previous 2.5 years from the NHS bowel cancer screening programme (NHS BCSP) by upper-tier local authority

Map 32: Percentage of eligible women aged 53-70 years screened adequately within the previous three years in the NHS breast screening

- Significantly higher at 99.8% level
- Significantly higher at 95% level
- Not significantly different from England
- Significantly lower at 95% level

Area name	Value
Kent	77.0
Medway	76.4
East Sussex	76.2
Surrey	75.7
West Sussex	75.1



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