

## Hull Instant Atlas – How To Use

### **Key points**

**Data** – to change indicator or topic.

**Comparison Areas** & **Clear** – to show & remove comparisons with different areas.

**Legend** – to change colours for map/barchart or number of categories shown.

**Filter** – to show only part of a map (an area).

**Print Preview** – to show print preview and remove windows prior to printing.

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## **Hull Instant Atlas – How To Use**

### ***General Information about Information Displayed***

#### *Local ward and area information now available through Instant Atlas*

Instant Atlas offers an innovative and interesting way to look at life expectancy, mortality, lifestyle and 'health need' data for Hull at ward and area level. The epidemiology team has made four sections available on it for you to use. Information is displayed in a map with comparison information also displayed. When you've opened the webpage you want, click on the 'data' button to change the topic. Then click on the ward in which you're interested in, select it and hover over the map/bar chart/ward listing to compare it with other wards. These will be updated as new information becomes available. For more information contact the epidemiologists within the Public Health Sciences team at the Maltings.

[http://www.hullpublichealth.org/Pages/hull\\_atlas.htm](http://www.hullpublichealth.org/Pages/hull_atlas.htm)

#### *Instant Atlas: Hull Area Profile*

This section illustrates information from the 2009 Social Capital and Prevalence Surveys combined. The information is illustrated on a single map, with a list, graph and pie chart of the chosen survey measure for each ward. The survey information includes health status, mental health score, limiting long-term illness or disability, and the prevalence of exercise, obesity, 5-A-DAY, alcohol consumption and smoking, and some information on ethnicity, employment status and mean age.

#### *Instant Atlas: Hull Area Profile Atlas Comparison Maps*

This section includes the same survey information as the Instant Atlas Hull Area Profiles, but gives the information in the form of two maps and a scatterplot. Different survey measures can be examined together, such as the prevalence of smoking and the prevalence of never exercising. However, it should be stressed that causal relationships should not be assumed from this information.

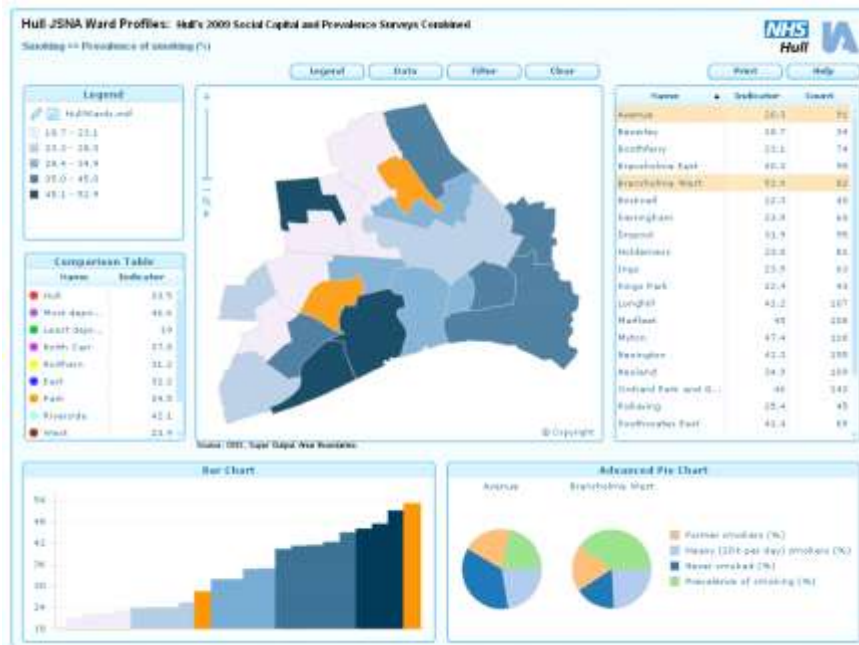
#### *Instant Atlas: Standardised Mortality Ratios and Life Expectancy*

This section is similar to the 'Hull Area Profile', but presents life expectancy and mortality information rather than survey information. Life expectancy at birth and standardised mortality ratios (SMRs) are displayed for premature (under 75s) mortality from all-cause, respiratory disease, circulatory disease, coronary heart disease, stroke, all cancers and lung cancer.

#### *Instant Atlas: Need*

This section presents a range of data by ward, including hospital admissions, benefit claimants, crime, ACORN and Health ACORN categories, child immunisation, under 18 conception rate, hospital admissions, income deprivation affecting children index, income deprivation affecting older people index and age band. The information is illustrated on a single map, with a list, graph and pie chart of the chosen measure for each ward.

## Instant Atlas: Hull Area Profile



### Initial Topic/Indicator

The prevalence of smoking is the first indicator on the list so the figures and information for this is automatically shown when you first open Instant Atlas. The indicator being shown is given under the screen title.



### Ward Selection

Highlight a ward in the map, table or bar chart and see where it is within the map, table, bar chart and pie chart. You can then see the actual figures from the table and the comparison/order for that ward in relation to other wards. Two wards can be selected for comparison within the pie charts. The Legend gives the values for the different colours on the map/bar chart.





### Remove a Comparison Area

To remove a selection, e.g. Hull/deprivation comparison lines, click on the “Clear” button.

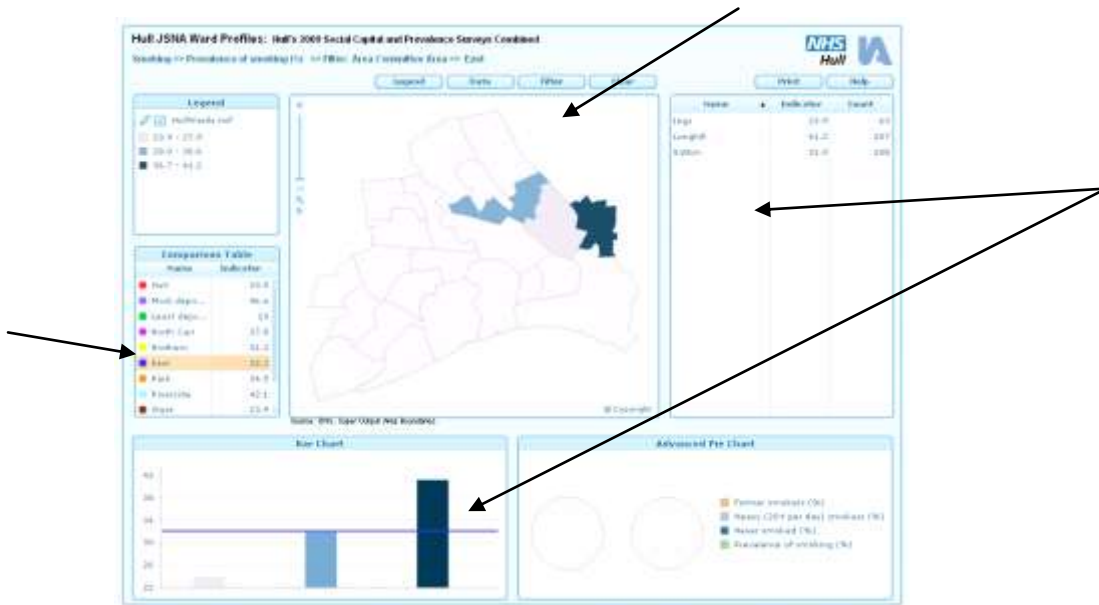


### Showing One Area Only (Filtering)

Click on “Filter” to display the option area. Click on area again to show the subgroups, and then click on the selected area.



The map is then shown for just the filtered area, i.e. East Area in the below example. You can then click on “East” within the “Comparison Table” box to show the indicator values for the area overall. Just the wards within this area will be shown on the map and in the table and bar chart.



*To Remove a Filter*

Click on “Filter” and select “Remove Filter”.



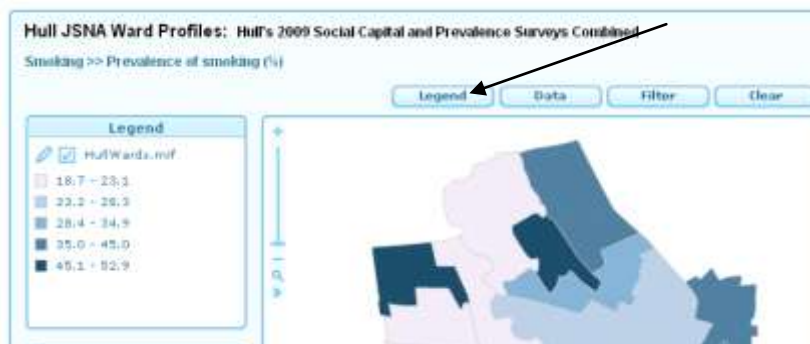
### Change the Topic/Indicator

Click on “Data”, and select a topic/indicator. Select the topic and click to load the data.

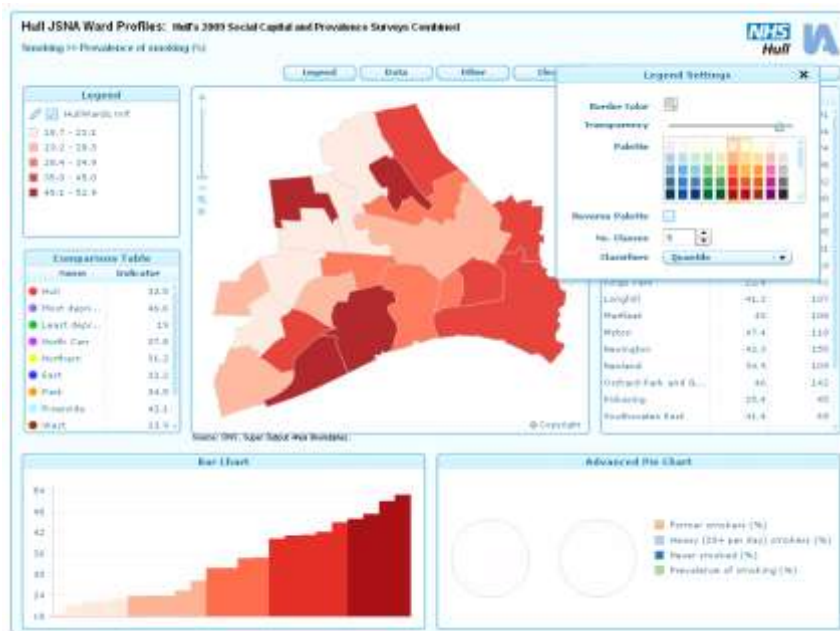


### To Change the Colours

Click on “Legend” to change the colours of the map and bar chart. There are a number of possible combinations of colours.

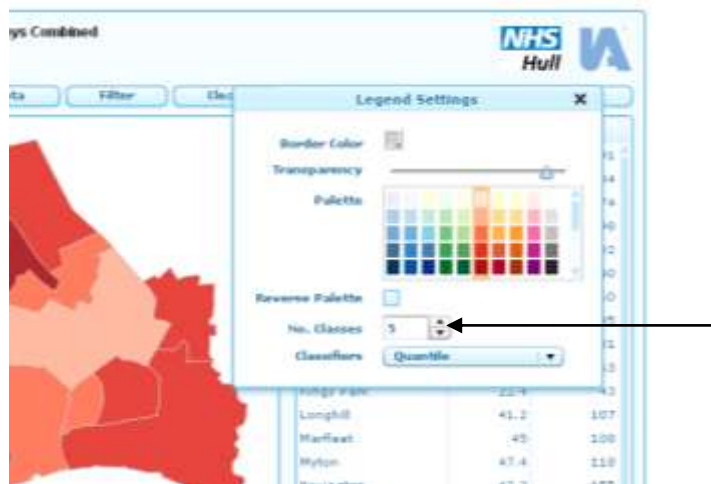


Click on the colour combination of your choice to change the colours.



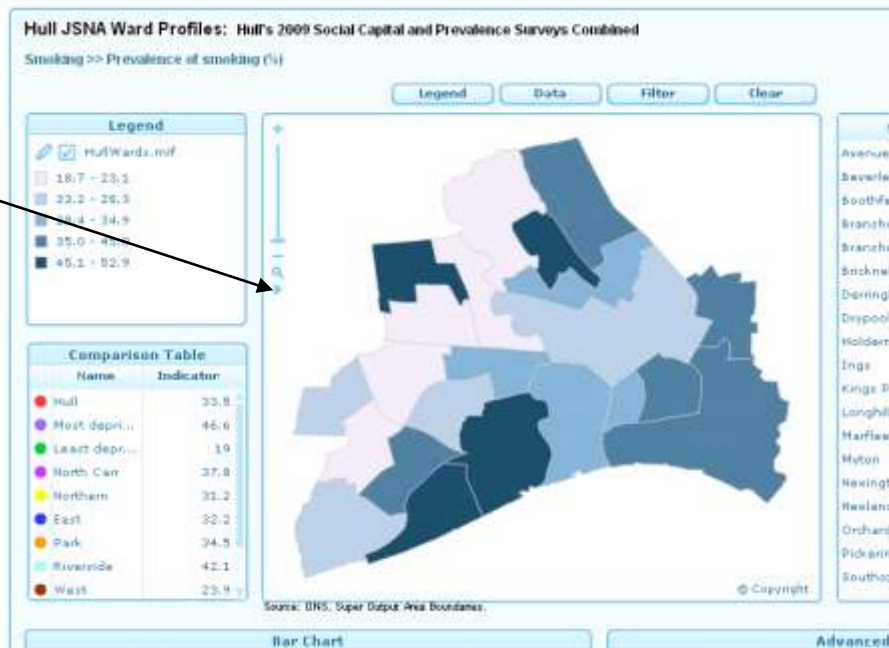
### To Change the Number of Categories

Click on "Legend" and then "Increase no. of classes" or "Decrease no. of classes" to change from 5 groups to 6 or 4 groups, etc. There is another option around classification i.e. continuous, equal interval, quantile, natural breaks or standard deviation.



## Map Menu

The map menu includes extra features of exporting the atlas as a JPEG or PNG file and adding text or a shape. The + and – icons allow you to zoom in and out of the map, clicking on the “Zoom Full” icon to go back to the original screen. It is also possible to click on a specific ward and its value of the indicator (prevalence of smoking in this case) will be shown.



## Printing

Click on "Print" to view the print preview options.



The print preview options allow you to print the full screen or individual sections of the Atlas, print as a Vector or Bitmap, rescale and resize to fit page and show buttons, images or background.

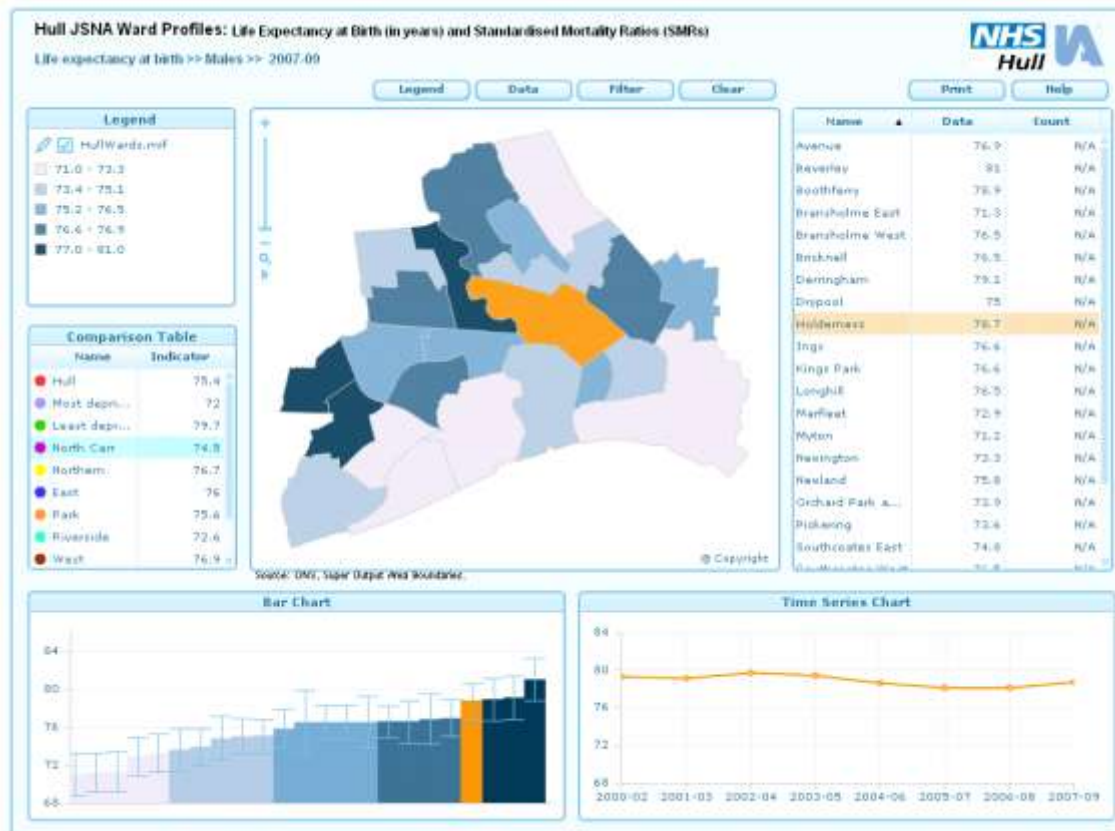
### Hull JSNA Ward Profiles: Hull's 2009 Social Capital and Prevalence Surveys Combined

Smoking >> Prevalence of smoking (%)



## ***Instant Atlas: Standardised Mortality Ratios and Life Expectancy***

The information illustrated within this section is similar to that for the survey data ward profiles, but as information is available over time (i.e. for different periods of time), the layout is slightly different. The pie charts are not included, but a “Time Series Chart” is produced instead. The bar chart also includes confidence intervals.



### ***Initial Topic/Indicator***

Life expectancy at birth for men for the period 2007-2009 is given initially.

### ***Ward Selection***

As for the ward profiles (see **page 4**), click on the ward on the map, on the bar chart or within the table to highlight a specific ward in all three of these boxes.

### ***Area/Hull/Deprivation Comparison***

As for the ward profiles (see **page 5**), click on the “Comparison Data” to add the Hull, Area and Deprivation comparison lines and figures. Click on “Clear” to remove.

### ***Changing Column Width to View Information in Tables***

See information provided in ward profile section on **page 5**.

### *Remove a Comparison Area*

Click on “Clear” (see [page 6](#)).

### *Showing One Area Only (Filtering)*

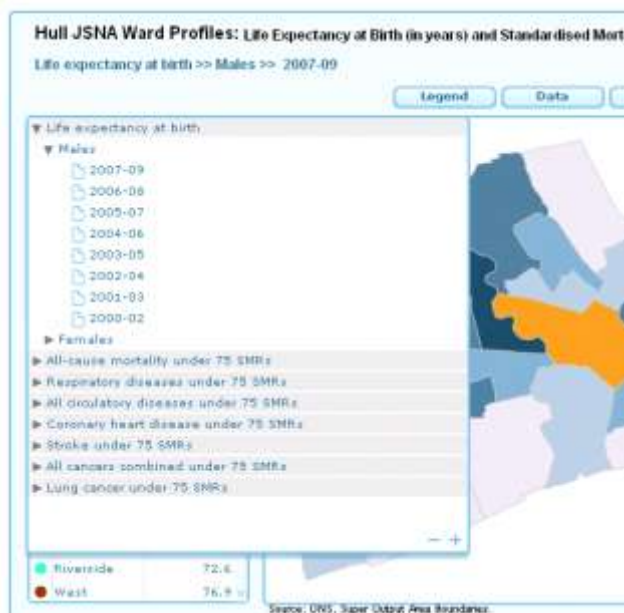
As for the ward profiles (see [page 6](#)), click on “Filter”.

### *To Remove a Filter*

As for the ward profiles (see [page 7](#)), click on “Filter”.

### *Change the Topic/Indicator*

As for the ward profiles (see [page 8](#)), click on “Data”. Life expectancy and standardised mortality ratios are given for males and females separately. It is also possible to select different time periods for the data.



### *To Change the Colours*

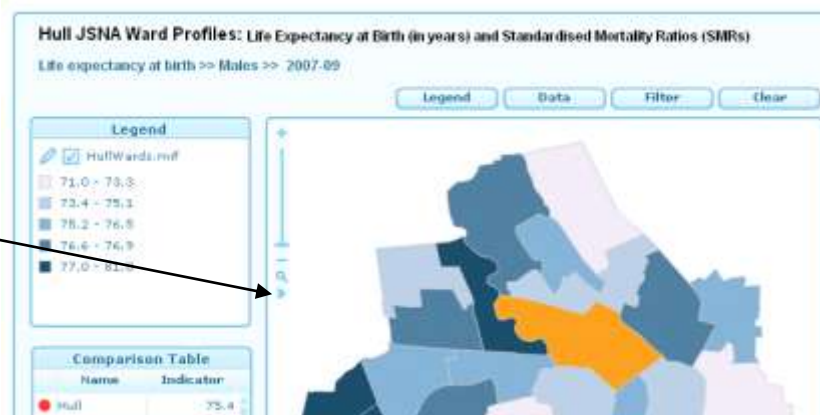
As for the ward profiles (see [page 8](#)), click on “Legend”.

### *To Change the Number of Categories*

As for the ward profiles (see [page 9](#)), click on “Legend”.

### Map Menu

As for the ward profiles (see **page 10**), map menu provides a number of features including exporting and adding text or a shape. The + and – icons allow you to zoom in and out of the map.



### Printing

As for the ward profiles (see **page 11**), click on “Print” icon to view the print preview options.

### **Instant Atlas: Hull Area Profile Atlas Comparison Maps**

This map shows the association or lack of association between different survey measures such as prevalence of smoking or prevalence of excessive alcohol consumption, etc. However, it does **NOT** illustrate causality. In order to show causality, numerous conditions need to be fulfilled. Simply showing an association does in no way imply causality. Therefore, caution is necessary in all interpretation for this screen.

The initial screen shows the prevalence of smoking in both maps, and the scatterplot of these two measures. Therefore, it is necessary to change one of the indicators/topics as a first step. The least squares linear regression equation is given on the scatterplot (which is the line of 'best fit').



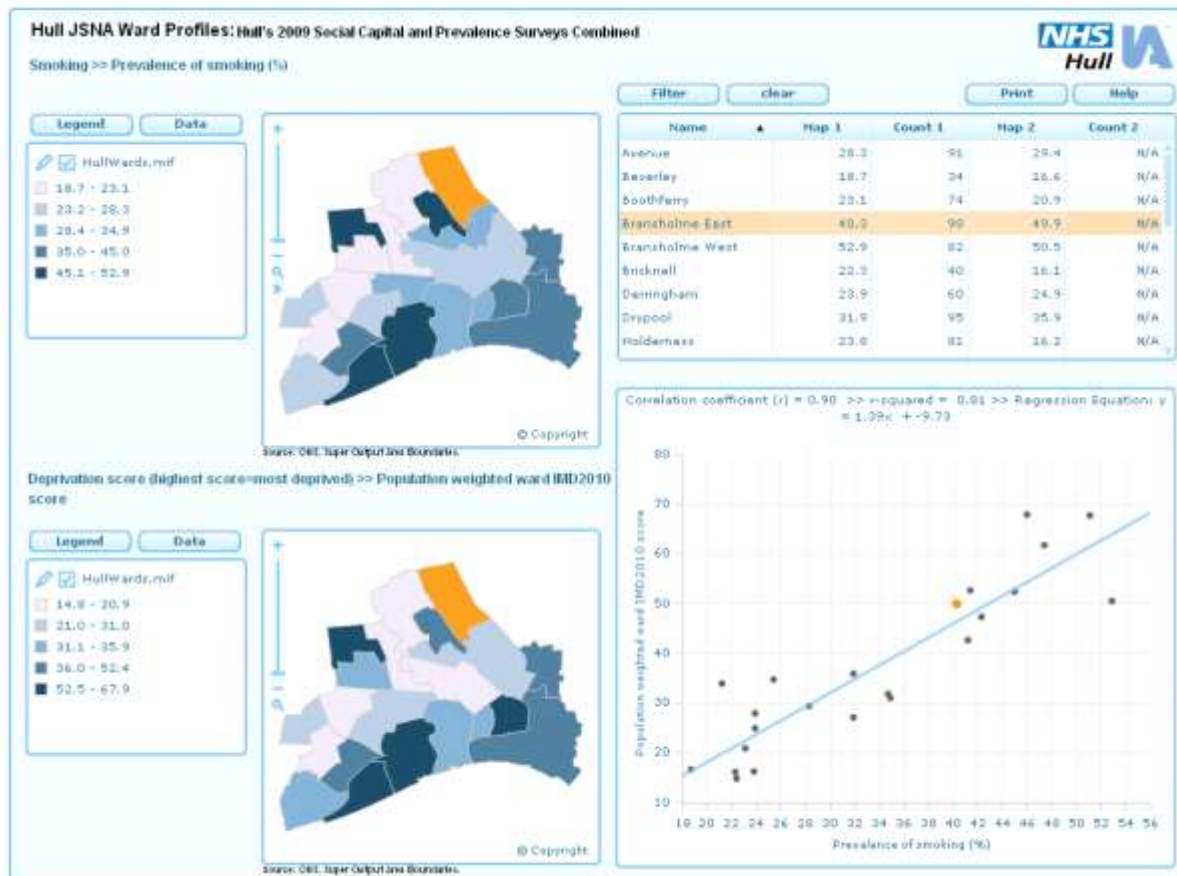
#### *Change the Topic/Indicator*

As for the ward profiles (see **page 8**), click on “Data” and select from the list.

## Ward Selection

As for the ward profiles (see [page 4](#)), click on the ward on either of the maps, on the scatterplot or within the table to highlight a specific ward in all these boxes.

The following shows the prevalence of smoking (default measure) in map 1 and deprivation score in map 2.



## Changing Column Width to View Information in Tables

See information provided in ward profile section on [page 5](#).

## Area/Hull/Deprivation Comparison

As for the ward profiles (see [page 5](#)), click on the “Comparison Data” to add the Hull, Area or Deprivation comparison lines and figures. Click on “Clear” to remove.

## Remove a Comparison Area

Click on “Clear” (see [page 6](#)).

## Showing One Area Only (Filtering)

As for the ward profiles (see [page 6](#)), click on “Filter”.

### *To Remove a Filter*

As for the ward profiles (see **page 7**), click on “Filter”.

### *To Change the Colours*

As for the ward profiles (see **page 8**), click on “Legend”.

### *To Change the Number of Categories*

As for the ward profiles (see **page 9**), click on “Legend”.

### *Map Menu*

As for the ward profiles (see **page 10**), map menu provides a number of features including exporting and adding text or a shape. The + and – icons allow you to zoom in and out of the map.

### *Printing*

As for the ward profiles (see **page 11**), click on “Print” icon to view the print preview options.

### *Remove a Comparison Area*

Click on “Clear” (see **page 6**).

### *Showing One Area Only (Filtering)*

As for the ward profiles (see **page 6**), click on “Filter”.

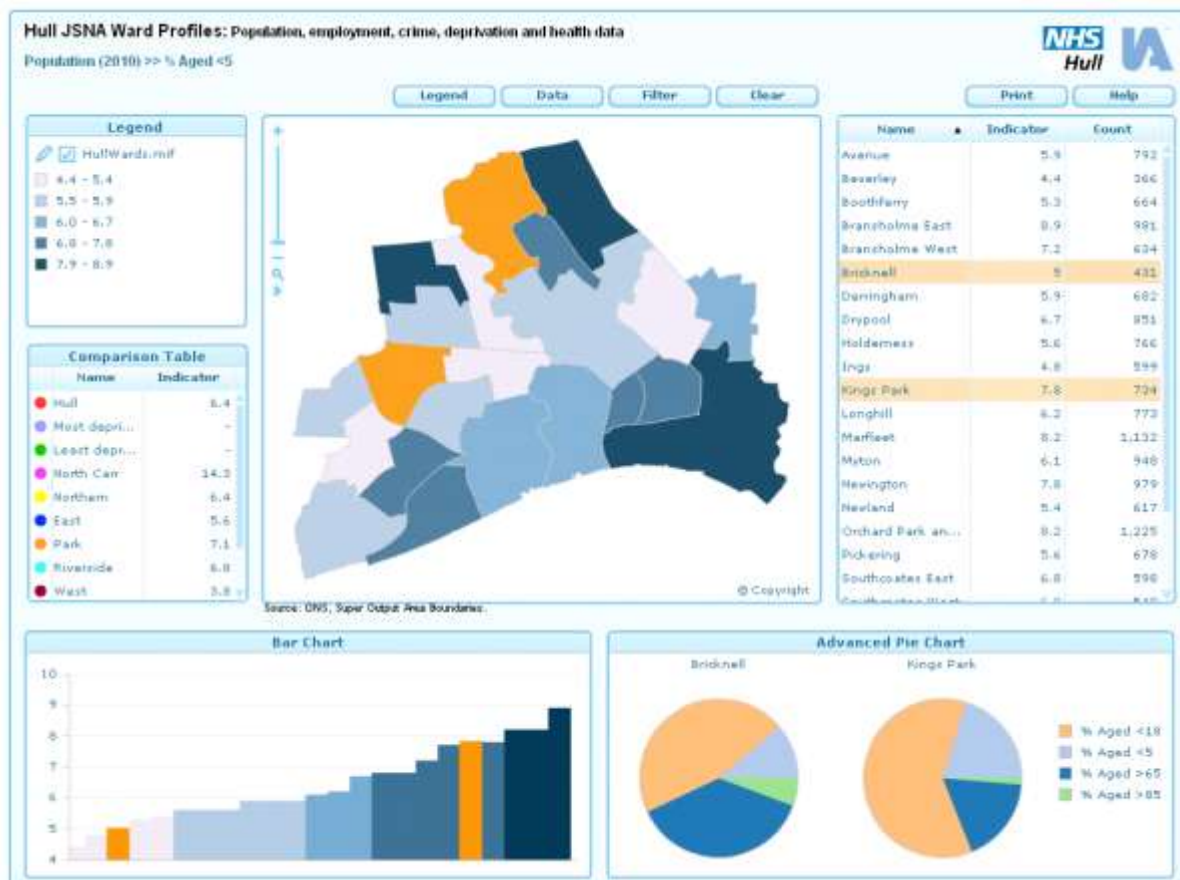
### *To Remove a Filter*

As for the ward profiles (see **page 7**), click on “Filter”.

### *Change the Topic/Indicator*

As for the ward profiles (see **page 8**), click on “Data”. Life expectancy and standardised mortality ratios are given for males and females separately. It is also possible to select different time periods for the data.

## ***Instant Atlas: Population, employment, crime, deprivation and health data***



The information illustrated within this section has the same layout as the Hull Area Profile map.

### ***Initial Topic/Indicator***

2010 population age bands are given initially.

### ***Ward Selection***

As for the ward profiles (see **page 4**), click on the ward on the map, on the bar chart or within the table to highlight a specific ward in all three of these boxes.

### ***Area/Hull/Deprivation Comparison***

As for the ward profiles (see **page 5**), click on the “Comparison Data” to add the Hull, area and deprivation comparison lines and figures. Click on “Clear” to remove.

### ***Changing Column Width to View Information in Tables***

See information provided in ward profile section on **page 5**.

### *Remove a Comparison Area*

Click on “Clear” (see **page 6**).

### *Showing One Area Only (Filtering)*

As for the ward profiles (see **page 6**), click on “Filter”.

### *To Remove a Filter*

As for the ward profiles (see **page 7**), click on “Filter”.

### *Change the Topic/Indicator*

As for the ward profiles (see **page 8**), click on “Data”.

### *What is ACORN and Health ACORN?*

Various classifications models of different characteristics of residents have been produced. These classifications use various data to create groups of people who are deemed to be similar with regard to certain characteristics. The information used to assess the similarity of the people differs depending on the classification system, and the information is not divulged by the companies producing the classifications. However, in general, the type of information used are responses from the 2001 Census, and information relating to employment, car ownership, financial behaviour, health and hospital admissions, shopping behaviour, and for health specifically information from food consumption, and health and lifestyle surveys. Most of this information is applied at output area or postcode level. These ‘types’ are generally targeted or treated differently, based on their characteristics (lifestyle, attitudes or behaviour etc), in terms of marketing of commercial products (which could include health-related care or public health).

One such classification in common usage is the ACORN classification (A Classification of Residential Neighbourhoods), and there is also an ACORN classification specifically for health. For both the ACORN and Health ACORN classifications, the proportions of the resident population within each category will depend on levels of deprivation as well as the age structure of the population.

As with the Index of Multiple Deprivation, the ACORN classifications are applied at a geographical basis, and there will be some people living in the area whose characteristics are very much different from the dominant ACORN category for that area. Therefore, the classifications for a particular area should be used as a guide only as to the characteristics of residents. Further information is available from CACI<sup>1</sup>.

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<sup>1</sup> <http://www.caci.co.uk/ACORN/downloads/New%20ACORN%20brochure.pdf>

### *To Change the Colours*

As for the ward profiles (see **page 8**), click on “Legend”.

### *To Change the Number of Categories*

As for the ward profiles (see **page 9**), click on “Legend”.

As for the ward profiles (see **page 10**), map menu provides a number of features including exporting and adding text or a shape. The + and – icons allow you to zoom in and out of the map.

### *Printing*

As for the ward profiles (see **page 11**), click on “Print” icon to view the print preview options.