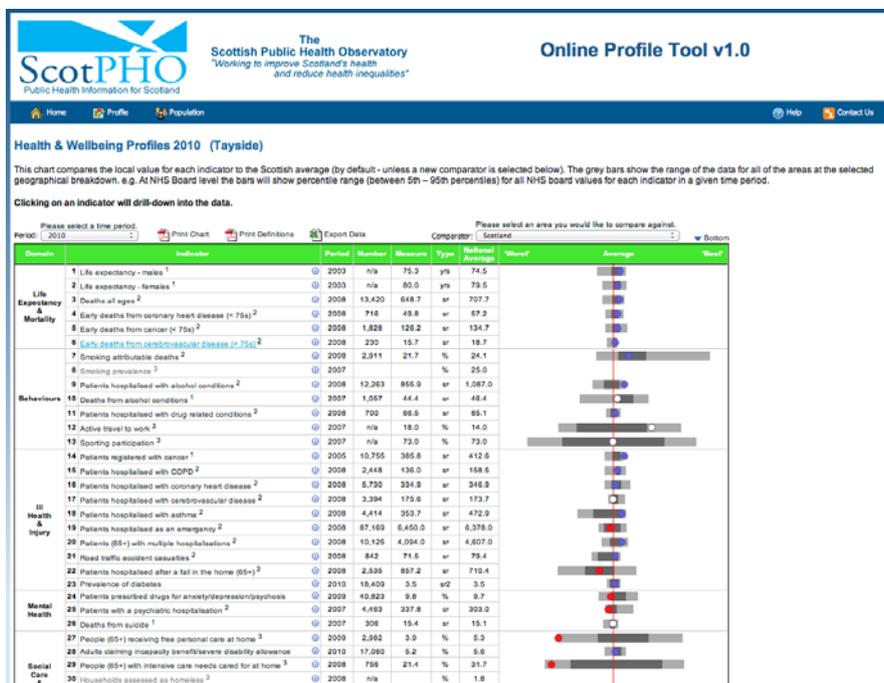


## The Scottish Public Health Observatory



## Online Profiles Tool (OPT) User guide

## DOCUMENT CONTROL

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# 1. Introduction

## ***About ScotPHO Health & Wellbeing Profiles***

Health and Wellbeing profiles for Scotland were published by GCPH (Glasgow CHPs) and ScotPHO (rest of Scotland CHPs) in 2008. They were then updated again in 2010 for the whole of Scotland (by ScotPHO).

The main aims of the profiles are to:

- provide organisations and communities with up-to-date and locally-relevant public health intelligence
- highlight health and social inequalities
- show trends in key indicators
- provide local level information for targeting resources and priority-setting

An additional aim was to further develop knowledge of the complex nature of health and its determinants.

Topic specific profiles have been developed relating to:

- Children and young people
- Diabetes
- Tobacco control

Further national and topic based profiles are in development.

## ***About the Online Profiles Tool (OPT)***

The Online Profiles Tool has been created in response to the reception that we have received from our previous Profiles products. Developed in-house by ISD we have been able to create a single unified online resource that aims to replace all pre-existing profiles outputs.

We hope that the tool is easy to use and relatively self explanatory, this guide acts as a reference document to help new users to navigate around the tool and explain its various functions. If you feel that there are any elements missing from this guide then please let us know at [ScotPHO@nhs.net](mailto:ScotPHO@nhs.net).

## 2. Navigation

On each of the screens throughout the OPT there are several general navigation buttons. The function of each of these is listed below:

 Home - Takes the user back to the Home screen (also referred to as the [Profiles selection screen](#)).

 Profiles - Has **two** functions:  
If used **before** a spine chart is displayed it will take the user back to the Home screen. If used **after** a spine chart has been selected it will take the user back to the [Area selection screen](#).

 Help - Shows the help screen and associated materials.

 Contact Us - Displays contact information for the ScotPHO team.

 Login - Allows specific users to log in and view profiles for preview (prior to release). Account details are supplied by the ScotPHO team and are not required to view live profiles.

 Population - Displays a population breakdown for the currently selected profile type and geography. This option is only available from the Spine chart screen

 Spine Chart - Takes the user back to the Spine chart (for the selected profile and geography). This option is available from the Rank chart, Time trend and Population profile screens.

 Rank Chart - Takes the user to back to the Rank chart screen

**Please note that not all buttons are available on each screen.**

### 3. Profiles selection screen

This is the first screen that you will see when navigating to the tool.

The screenshot shows the ScotPHO Online Profile Tool v1.0 interface. At the top left is the ScotPHO logo with the text 'The Scottish Public Health Observatory' and 'Working to improve Scotland's health and reduce health inequalities'. To the right of the logo is the title 'Online Profile Tool v1.0'. Below the header is a navigation bar with 'Profiles', 'Help', and 'Contact Us' links. The main content area contains a welcome message, a description of the tool, and instructions for profile selection. A dropdown menu is highlighted in blue, showing 'Health & Wellbeing Profiles 2010'. Below it is a 'Select' button.

From here you can select any of the profiles products that are currently available by clicking on the first dropdown menu (highlighted in blue above).

Once an option has been selected, focus will move to the second dropdown menu.

This screenshot is identical to the previous one, but the first dropdown menu now displays 'Health & Wellbeing Profiles 2010' instead of the default selection. The 'Select' button remains visible below it.

This menu will display the high level geographies available for the selected profile (this changes from profile to profile).

ScotPHO  
Public Health Information for Scotland

The Scottish Public Health Observatory  
"Working to improve Scotland's health and reduce health inequalities"

Online Profile Tool v1.0

Profiles [Help](#) [Contact Us](#)

Welcome to the new Scotpho Online Profiles Tool (OPT). Designed to replace the previous reports and excel based outputs, the OPT allows users to view the various different profiles produced by the ScotPHO collaboration.

The profiles highlight the considerable variation in health between areas and help identify priorities for health improvement. They are designed to give a snapshot overview of health for each area using spine charts (which show how the area compares to another area (the default is the Scottish average)), and allow further understanding of the results via rank charts and trend charts.

If you have any trouble accessing any information on this site then please contact us at: [ScotPHO@nhs.net](mailto:ScotPHO@nhs.net) and we will send a more accessible version of the data

Please select your profiles product from the dropdown list below:

Health & Wellbeing Profiles 2010

Please select the Geography you require from the dropdown list below and press the 'Select' button:

- Health Board
- Local Authority
- Community Health Partnership
- Intermediate Zone

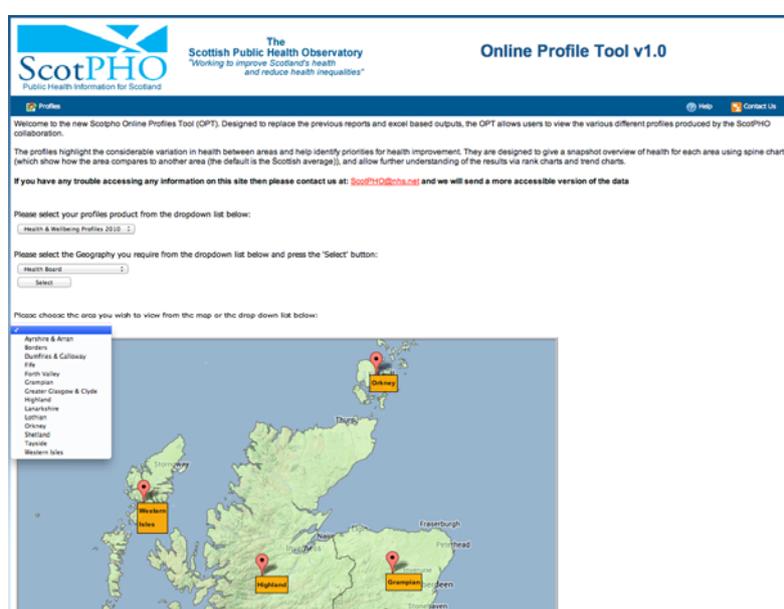
© Scottish Public Health Observatory 2013

Once an option has been selected, click the 'Select' button to continue.

## 4. Area selection screen

From this screen you have several options available to you:

1. Select a completely new profile from the top selection box.
2. Select a new high-level geographical breakdown for the selected profile from the middle selection box. You will need to click the 'Select' button to progress further.
3. Select an area from within the high-level geographical breakdown in order to view the data.



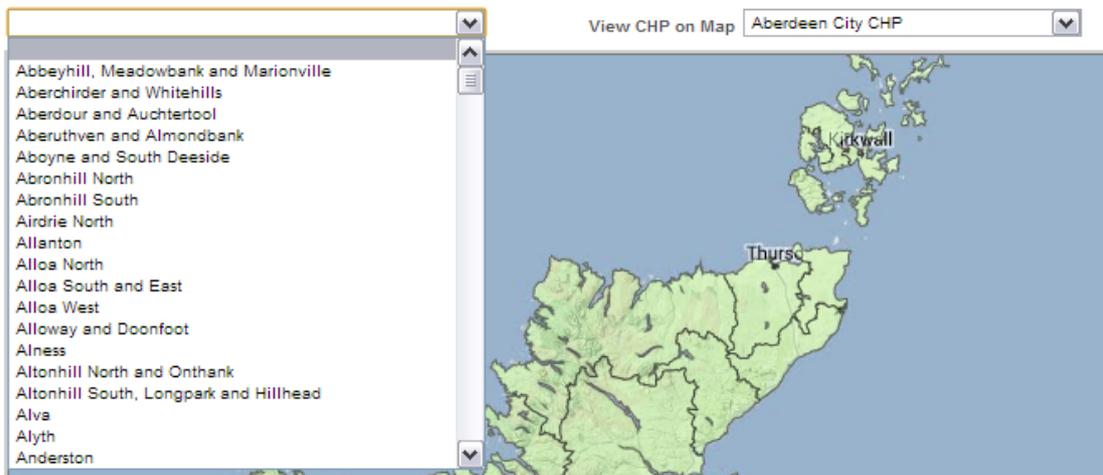
There are two options to select an area to interrogate (Option 3 above).

- a. Select your chosen area from the bottom dropdown menu.
- b. Select your chosen area from the dynamic map. This can be panned and zoomed by using the mouse.
  - Holding the left mouse button and moving the mouse (whilst hovering over the map) will see the cursor change from  or  to  and will allow you to move the map.
  - The mouse scroll wheel will zoom the map view.
  - Left-clicking on an orange place name will select that area.

When selecting an Intermediate zone (if available), you will have an extra dropdown menu to aid navigation.

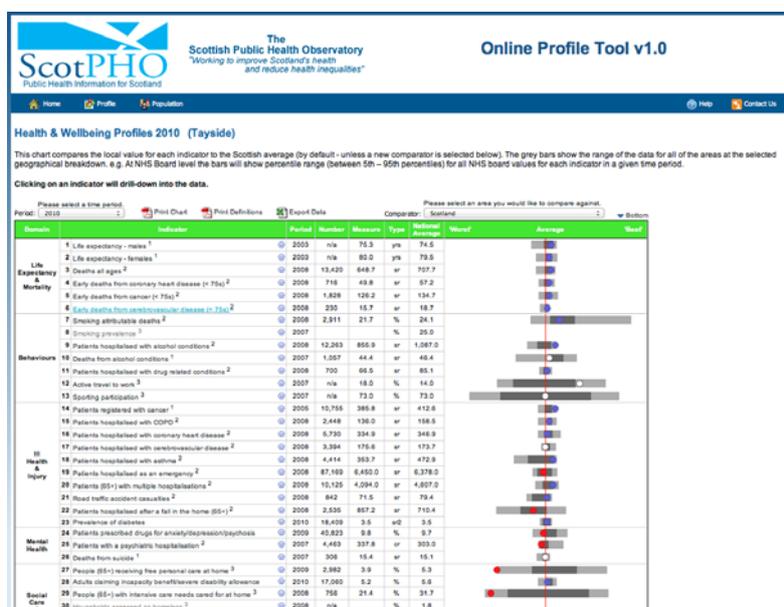
Please choose the area you wish to view from the map or the drop-down list below:

Changing the CHP value in this menu will alter the map and show the place tags for intermediate zones nested within that CHP. The area you wish to select can then be navigated to on the map. Alternately if you know the name of the area you wish to interrogate then you can select that area directly from the area list on the left (listed alphabetically).



## 5. Spine chart screen

The spine chart is the main output for a profile. From here it is possible to see a list of indicators relevant to each profile along with any statistically significant difference when compared against a comparator value (by default this is the national average).



Spine charts all follow the same principle. Each indicator is displayed horizontally, with a table on the left hand side and a chart element on the right.

The table consists of the following:

**Domain** – This is the name given to each overarching category that all profiles indicators are placed into.

**Indicator** – This is the name (and spine chart position) for each indicator displayed.

**Period** – This is the time period for the indicator displayed in the chart, if this spans several years (or is subject to any other caveats) then it will be noted in the definition for each indicator.

**Number** – This is the numerator for each indicator. Caveats around this data will be listed in the 'Notes' section at the bottom of the chart.

**Measure** – This is the calculated value for each indicator. Caveats around this data will be listed in the 'Notes' section at the bottom of the chart.

**Type** – This is the description of the indicator displayed in the measure column. Further details will be listed in the 'Key' section at the bottom of the chart.

National average/ Comparator – This is the value that the measure is compared against.

The chart element of the spine consists of:

Four grey bars – These show the range and spread of the data from 5<sup>th</sup> to 25<sup>th</sup> percentile range; 25<sup>th</sup> to 50<sup>th</sup> percentile range; 50<sup>th</sup> to 75<sup>th</sup> percentile range and 75<sup>th</sup> to 95<sup>th</sup> percentile range. They are always displayed as follows:



A red line – This denotes the national average / comparator value and is always placed in the middle of the range displayed by the grey bars.

A marker – This takes the form of either a coloured circle or a triangle. The description of each marker used in a profile can be found at the bottom of the spine chart.

Placing the cursor over the  button will display a popup window with the definition, time period and data source for each indicator.

Left clicking on an indicator name will result in you moving onto the rank chart screen for that indicator (see section 6 below).

### Outliers in the data

Occasionally you will see that the indicator marker is displayed in the white section of the chart at an extreme. This is due to the fact that it occurs in either the top or bottom 5<sup>th</sup> percentile of the range of data.



## 5.1 Export options:

 **Print Chart** - left clicking on this will create a pdf version of the chart which can then be printed or saved.

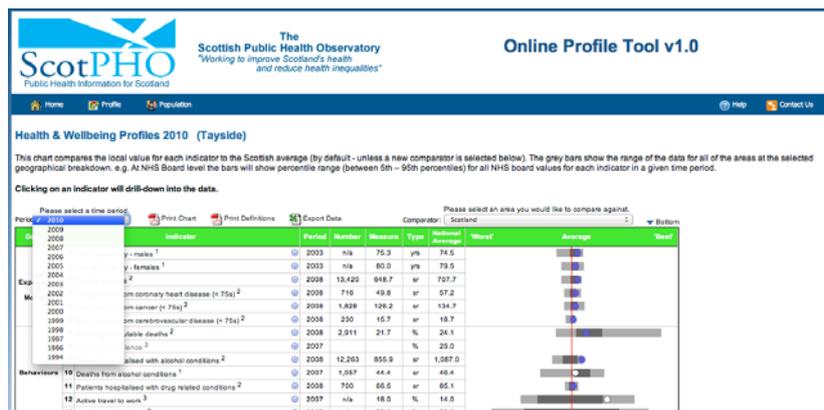
 **Print Definitions** - left clicking on this will create a pdf version of the definitions and sources metadata specific to the selected profile, which can then be printed or saved.

 **Export Data** - clicking on this button will download the data behind the chart into a .csv file.

## 5.2 Additional functionality:

### Historical spine charts

By default the tool will always draw a spine chart for the most recent time period that data is available for. Selecting a different year from the 'Period' dropdown (shown below) will result in a new spine chart being rendered for the selected time period. The 'Period' column in the spine chart will change to reflect the newly selected time frame, in addition to this the metadata for the indicator (available when hovering over the ) will also reflect any changes to the time period.



N.B. Data may not always be available for all indicators at all time periods.

### Comparator change

By default the tool will always display all indicators compared against the national average, however, it is now possible to change the area you want to

compare against. Please be aware that you are only able to compare an area against its peer geography (NHS board against NHS board; CHP against CHP or Council area against Council area), the only exception to this is Intermediate zone (this is comparable against any higher level geographies too).

Selecting a new comparator from the comparator dropdown menu on the right hand side of the screen (pictured) will result in a new spine chart being rendered reflecting the changes.

The screenshot displays the ScotPHO Online Profile Tool v1.0 interface. The main heading is 'Health & Wellbeing Profiles 2010 (Tayside)'. Below this, there is a table of indicators with columns for Domain, Indicator, Period, Number, Measure, and Type. A dropdown menu is open, showing a list of geographical comparators. The table data is as follows:

| Domain          | Indicator   | Period | Number | Measure | Type |
|-----------------|---|--------|--------|---------|------|
| Life expectancy | 1. Life expectancy - males <sup>1</sup>                             | 2003   | n/a    | 75.3    | yr   |
|                 | 2. Life expectancy - females <sup>1</sup>                           | 2003   | n/a    | 80.0    | yr   |
| Mortality       | 3. Deaths all ages <sup>2</sup>                                     | 2008   | 13,420 | 648.7   | sr   |
|                 | 4. Early deaths from coronary heart disease (= 75s) <sup>2</sup>    | 2008   | 716    | 49.8    | sr   |
| Mortality       | 5. Early deaths from cancer (= 75s) <sup>2</sup>                    | 2008   | 1,828  | 126.2   | sr   |
|                 | 6. Early deaths from cerebrovascular disease (= 75s) <sup>2</sup>   | 2008   | 230    | 15.7    | sr   |
| Behaviours      | 7. Smoking attributable deaths <sup>3</sup>                         | 2006   | 2,911  | 21.7    | %    |
|                 | 8. Smoking prevalence <sup>3</sup>                                  | 2007   |        |         | %    |
| Behaviours      | 9. Patients hospitalised with alcohol conditions <sup>2</sup>       | 2008   | 12,263 | 855.0   | sr   |
|                 | 10. Deaths from alcohol conditions <sup>1</sup>                     | 2007   | 1,057  | 44.4    | sr   |
| Behaviours      | 11. Patients hospitalised with drug related conditions <sup>2</sup> | 2008   | 700    | 66.5    | sr   |
|                 | 12. Active travel to work <sup>3</sup>                              | 2007   | n/a    | 18.0    | %    |

## 6. Rank chart screen

The rank chart screen displays a rank chart of the selected indicator ordered with the lowest value at the top of the chart moving to the highest value at the bottom (with confidence intervals where available). The plotted values in the charts are always based on the indicator measure.

The selected area will always be shown as a graduated grey bar.

The comparator value will also be shown on the chart as a vertical line.

Using the drop down menu it is possible to select an area (displayed in rank order) to show a time trend.



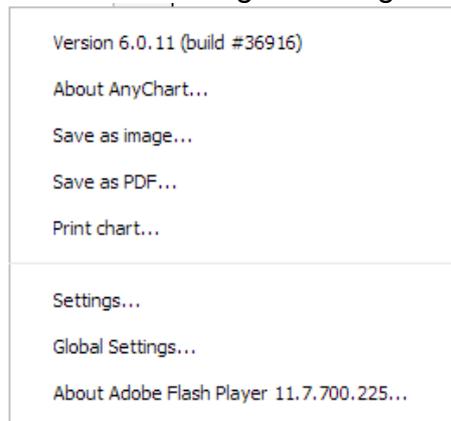
Alternately, it is possible to select any of the bars (by clicking directly on the chart) to display a time trend for that chosen area alongside the comparator area.

If no time trend data is available for the indicator a message will be displayed at the bottom of the screen.

## 6.1 Export options:

There are several options available to export a rank chart from the tool.

 **Print Chart** - right clicking on the chart will display an options menu.



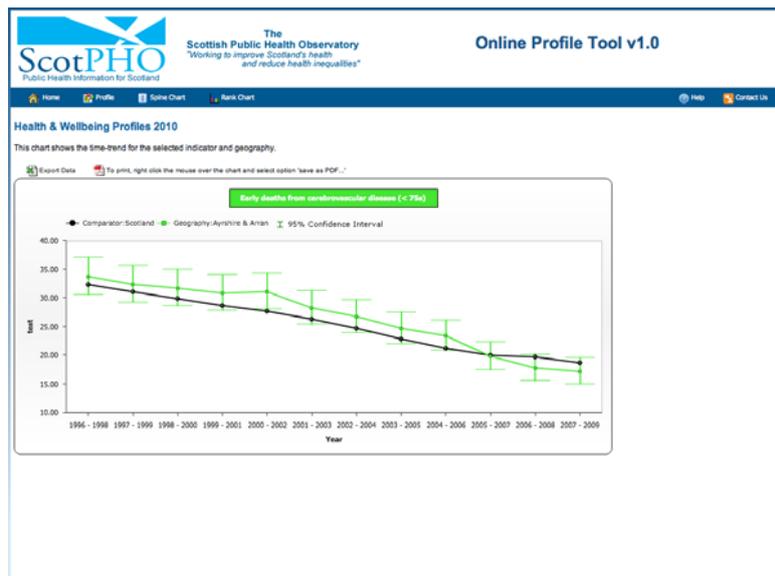
From here the chart can be printed; saved as an image for use in a document or saved as a pdf file.

 **Export Data** - clicking on this button will download the data behind the chart into a .csv file.

## 7. Time trend screen

The time trend screen displays a time trend of the selected indicator for the area selected from the rank chart (with confidence intervals where available). The plotted values in the charts are always based on the indicator measure.

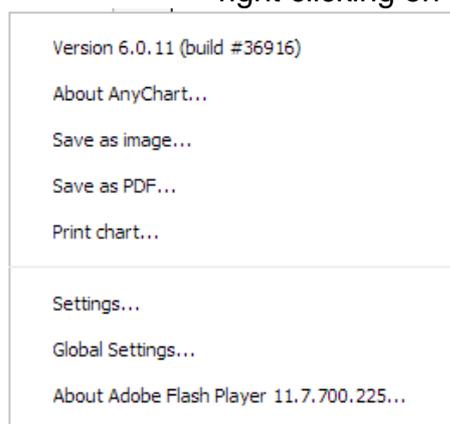
The comparator time trend will also be displayed.



### 7.1 Export options:

There are several options available to export a time trend from the tool.

 **Print Chart** - right clicking on the chart will display an options menu.



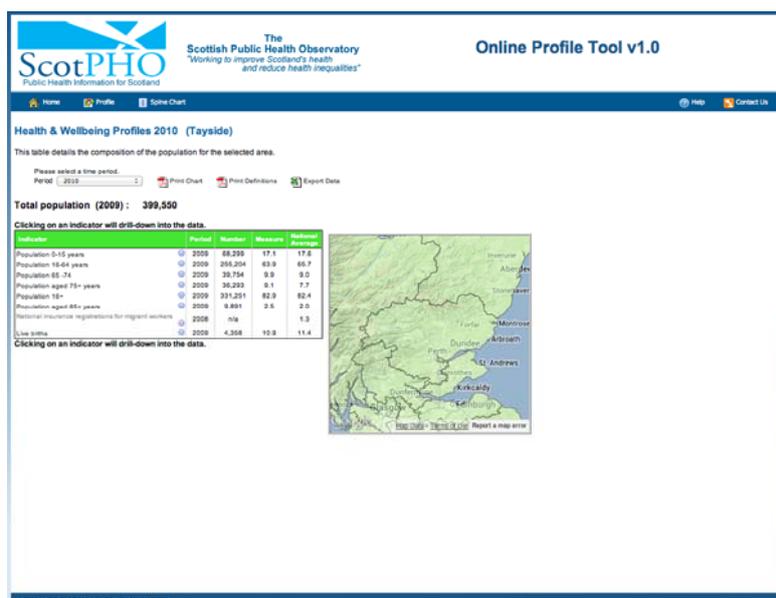
From here the chart can be printed; saved as an image for use in a document or saved as a pdf file.

 **Export Data** - clicking on this button will download the data behind the chart into a .csv file.

## 8. Population profile screen

The population profile screen typically shows demographic data for the selected area in a tabular format along with a map of the area. These indicators change from profile to profile in the same way as those in the spine chart.

Placing the cursor over the  button will display a popup window with the definition, time period and data source for each population indicator.



### 8.1 Export options:

 **Print Chart** - left clicking on this will create a pdf version of the table which can then be printed or saved.

 **Print Definitions** - left clicking on this will create a pdf version of the definitions and sources metadata specific to the selected profile, which can then be printed or saved.

 **Export Data** - clicking on this button will download the data behind the table into a .csv file.

## 8.2 Additional functionality:

By default the population profile table will be filled with data from the most recent time period.

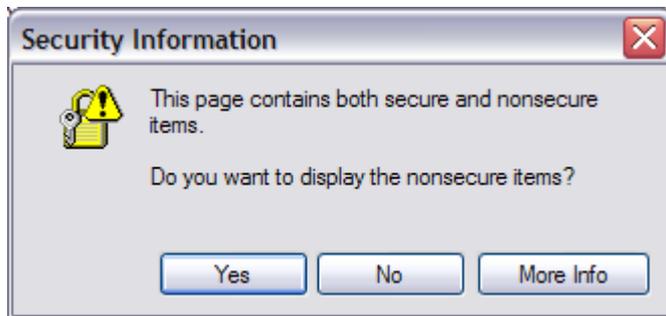
Clicking on the time period dropdown (pictured) will enable the selection of previous years of data (where available).

The screenshot shows the ScotPHO Online Profile Tool v1.0 interface. The page title is "Health & Wellbeing Profiles 2010 (Tayside)". Below the title, it states "This table details the composition of the population for the selected area." There is a dropdown menu for "Please select a time period" currently set to "2010". To the right of the dropdown are links for "Print Chart", "Print Definitions", and "Export Data". The "Total population" is listed as 399,550. A table of indicators is shown, with the "Population" indicator selected. The table has columns for "Indicator", "Period", "Number", "Measure", and "National Average". A map of Scotland is visible on the right side of the page, with the Tayside region highlighted.

| Indicator  | Period | Number  | Measure | National Average |
|------------|--------|---------|---------|------------------|
| Population | 2010   | 399,550 | 17.1    | 17.8             |
| Population | 2001   | 256,204 | 63.9    | 66.7             |
| Population | 2000   | 39,754  | 9.9     | 9.0              |
| Population | 1999   | 36,293  | 9.1     | 7.7              |
| Population | 1997   | 331,261 | 82.0    | 82.4             |
| Population | 1996   | 9,891   | 2.6     | 2.0              |
| Population | 1994   | n/a     | n/a     | 1.3              |
| Low birth  | 2008   | 4,358   | 10.9    | 11.4             |

## 9. Troubleshooting

Depending on browser settings you may see the following popup window (or something similar) appear after selecting a profile and geography:



In order for the map to display correctly please select 'Yes'.