

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

The Scottish Public Health Observatory



Online Profiles Tool (OPT) User guide

DOCUMENT CONTROL

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| | | document. | |
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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 <u>ScotPHO@nhs.net</u>.

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:

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

- 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 <u>Area selection screen</u>.

^{3 Help} - Shows the help screen and associated materials.

Contact Us

- Displays contact information for the ScotPHO team.

- 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.

Reputation

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

- 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.



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.

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|---|
| 👔 Printes 🛞 🛞 Hele 🛐 Contact Us |
| Welcome to the new Scopho 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 ScoPHO collaboration. |
| The profiles highlight the considerable variation in health between areas and help identify prorifies for health improvement. They are designed to give a snapshot overview of health for each area using spine char (which show how the area compares to another area (the default is the Scotish 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: ScoreHCARINEstert and we will send a more accessible version of the data |
| Please select your profiles product from the dropdown list below: |
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| © Scottish Addic Health Observatory 2013 |

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

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| Health & Helibeing Profiles 2010 1 | | |
| Place sets: the Coopieshy you require from text have text have text have text have terminate and text of the text of the terminate stars terminate stars | the dropdown hit below and press the "Solect" button: | |
| © Scotlish 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.

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| Please select your confiles product from the d | modown list ballow | | |
| Health & Welbeing Profiles 2010 | | | |
| Please select the Geography you require from | the dropdown list below and press the 'Select' button: | | |
| Health Board 1 | | | |
| Select | | | |
| | | | |
| Please choose the area you wish to view from | the map or the drop down list below: | | |
| Ayrahire & Arran | | * | |
| Borders Dumfries & Calloway | | | |
| Fife Forth Valley | | | |
| Grampian Granter Classon & Clude | Orkney | | |
| Highland | 100 | | |
| Lothan | Days | | |
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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 t | the drop-down list <u>below:</u> | |
|---|-----------------------------------|-------------------------|
| | View CHP on Map Aberdeen City CHP | $\overline{\mathbf{v}}$ |

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 statistical significant difference when compared against a comparator value (by default this is the national average).

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| Health & This chart o geographic | Wellbeing Profiles 2010 (Tayside) ornpares the local value for each indicator to the Scotlish al breakdown, e.g. ANHS Board level the barry will show (| iverage (by d percentile rar | efault - ur ge (betw | niess a ne een 5th - | w com 95th p | parator is : ercentiles) | selected below). The grey bars show the range of the data for all of the areas at the selected (for all NHS board values for each indicator in a given time period. |
| Clicking on | an indicator will drill-down into the data. | | | | | | |
| Please Period: 201 | e select a time period. | STreed | ata . | | Comercia | Please | a select an area you would like to compare against. |
| 10.00 | . grinter grinter | | | | Compar | National I | ene · · · · · · · · · · · · · |
| Domain | Wataniy | Particul | Renter | Manager | Type | Average | Worke Average Near |
| | Life expectancy - males | © 2003 | nia | 75.3 | yn | 74.5 | |
| 1.16 | 2 Life expectancy - females 1 | @ 2003 | nia | 80.0 | ya | 79.5 | |
| Expectancy | 3 Deaths all ages 2 | 2008 | 13,420 | 648.7 | 87 | 707.7 | |
| Mortality | Early deaths from coronary heart disease (< 75s) ² | 2008 | 716 | 49.8 | 87 | 67.2 | . |
| | Early deaths from cancer (< 75s) ² | 2008 | 1,828 | 126.2 | * | 134.7 | |
| L | Early deaths from cerebrovasou/ar disease (< 75s) | 2008 | 230 | 16.7 | * | 18.7 | |
| | 7 Smoking attributable deaths 4 | G 5008 | 2,911 | 21.7 | | 24.1 | |
| | Smoking prevalence ³ | 2007 | | | | 25.0 | |
| | Patients hospitalised with alcohol conditions 2 | · 2008 | 12,263 | 855.9 | ar. | 1,067.0 | |
| Behaviours | 10 Deaths from alcohol conditions 1 | @ 2007 | 1,067 | 44.4 | ar. | 46.4 | |
| | 11 Patients hospitalised with drug related conditions 2 | 2008 | 700 | 66.5 | ar. | 85.1 | P |
| | 12 Active travel to work 3 | 2007 | nia | 18.0 | 5 | 14.0 | |
| | 13 Sporting participation 3 | @ 2007 | nia | 73.0 | | 73.0 | |
| | 14 Patients registered with cancer 1 | 2006 | 10,755 | 385.8 | 57 | 412.6 | |
| | 15 Patients hospitalised with COPO 2 | 2008 | 2,448 | 136.0 | 5° | 158.5 | |
| | 16 Patients hospitalised with coronary heart disease 2 | 2008 | 6,730 | 334.9 | 8 7 | 346.9 | |
| | 17 Patients hospitalised with cerebrovascular disease 2 | 2008 | 3,394 | 175.6 | | 173.7 | q ii |
| Health | 18 Patients hospitalised with asthma 2 | 2008 | 4,414 | 353.7 | 6 7 | 472.9 | |
| Injury | 19 Patients hospitalised as an emergency 2 | 2008 | 87,109 | 6,450.0 | v | 6,378.0 | |
| | 29 Patients (05+) with multiple hospitalisations 2 | 2000 | 10,125 | 4,094.0 | H. | 4,607.0 | |
| | 21 Road traffic accident casualties 2 | 2008 | 842 | 71.5 | ar. | 79.4 | |
| | 22 Patients hospitalised after a fail in the home (65+) 2 | 2008 | 2,535 | 857.2 | ar. | 710.4 | |
| | 23 Prevalence of diabetes | @ 2010 | 18,409 | 3.5 | s/2 | 3.5 | |
| | 24 Patients prescribed drugs for anxiety/depression/psychosis | 2009 | 40,823 | 9.8 | 5 | 9.7 | |
| Health | 25 Patients with a psychiatric hospitalisation 2 | @ 2007 | 4,463 | 337.8 | er | 303.0 | • •• |
| | 24 Deaths from suicide 1 | @ 2007 | 308 | 15.4 | 57 | 15.1 | IQ. |
| | 27 People (85+) receiving free personal care at home ³ | @ 2009 | 2,982 | 3.9 | 5 | 6.3 | • |
| | 28 Adults claiming incapacity benefit/severe cleability allowance | · 2010 | 17,060 | 5.2 | | 5.6 | |
| Social Care | 27 People (65+) with intensive care needs cared for at home 3 | 2008 | 756 | 21.4 | | 21.7 | • |
| | 30 Munaholds assessed as homelass 3 | 2008 | 0.0 | | 1.5 | 1.8 | |

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 indictor 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 5th to 25th percentile range; 25th to 50th percentile range; 50th to 75th percentile range and 75th to 95th 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 ⁽ⁱ⁾ 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 5th percentile of the rage of data.

| | 8 | Smokers making quit attempts | i | 2012 | | 96 | 11.0 | |
|-----------|----|---|-----|------|--|----|------|--|
| | 9 | Smokers successfully quitting at 1 month follow-up | G | 2012 | | 96 | 4.2 | |
| | 10 | Quit rate at 1 month follow-up | 6 | 2012 | | 96 | 38.1 | |
| | 11 | Quit rate at 3 months follow-up | (j) | 2012 | | 96 | 10.3 | |
| Connation | 12 | Quit rate at 12 months follow-up | 0 | 2011 | | 96 | 5.5 | |
| Cessation | 13 | Quit rate at 1 month follow-up in most deprived quintile (1) | (j) | 2012 | | 96 | 12.8 | |
| | 14 | Quit rate at 1 month follow-up in quintile 2 | 0 | 2012 | | 96 | 9.8 | |
| | 15 | Quit rate at 1 month follow-up in quintile 3 | (j) | 2012 | | 96 | 7.4 | |
| | 16 | Quit rate at 1 month follow-up in quintile 4 | 0 | 2012 | | 96 | 5.4 | |
| | 17 | Quit rate at 1 month follow-up in least deprived quintile (5) | 0 | 2012 | | 96 | 3.5 | |

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 ⁽ⁱ⁾) will also reflect any changes to the time period.

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| Health & This chart geographi Clicking o | S Wellbein compares the l cal breakdown n an indicator | g Profiles 2010 (Tayside) local value for each indicator to the Scotti . e.g. At NHS Board level the bars will sh will drill-down into the data. | sh avera ow perce | ge (by d ntile rar | efault - ur ige (betw | nless a ne een 6th – | w com 95th p | parator is ercentiles | selected below). The grey bars show the r for all NHS board values for each indicato | ange of the data for Ir in a given time pr | r all of the areas eriod. | at the selected |
| | | | | | | | | Plant | salari se ana unu un di Da la campan analas | | | |
| Perior / 20 | se select a time o | 💼 📆 Print Chart 🛛 Print Definitio | n \$2 | Export | Data | | Compar | ator: Scot | and | Bellom | | |
| D 20 | C9 C8 | Indicator | | Period | Number | Measure | Туре | National | Worst Average | Tesť | | |
| 20 | 67 | v - males 1 | 0 | 2003 | n/a | 76.9 | yn. | 74.5 | 10 | | | |
| 20 | 65 | v - females 1 | 0 | 2003 | nia | 80.0 | 73 | 79.5 | | | | |
| Eva 20 | 64 | 2 | 0 | 2008 | 13,420 | 648.7 | sr | 707.7 | | | | |
| 20 | 62 | om coronary heart disease (< 75s) ² | 0 | 2008 | 710 | 49.0 | ar. | 57.2 | | | | |
| 20 | 01 | arm cancer (< 76s) 2 | O | 2008 | 1,828 | 126.2 | | 134.7 | | | | |
| 20 | 99 | pm cerebrovascular disease (* 75s) ² | 0 | 2008 | 230 | 15.7 | ar. | 10.7 | 10 | | | |
| 19 | 98 | dable deaths 2 | 0 | 2008 | 2,011 | 21.7 | 55 | 24.1 | | | | |
| 19 | 97 | lence 3 | 0 | 2007 | | | 55 | 25.0 | | | | |
| 19 | 94 | alsed with alcohol conditions ² | 0 | 2008 | 12,263 | 055.9 | ar. | 1,067.0 | | | | |
| Behaviour | s 10 Deaths fro | m alcohol conditions ¹ | 0 | 2007 | 1,057 | 44,4 | | 48.4 | | | | |
| | 11 Patients h | ospitalised with drug related conditions 2 | 0 | 2008 | 700 | 60.5 | ar. | 05.1 | | | | |
| | 12 Active trave | el to work ³ | 0 | 2007 | nia | 18.0 | 55 | 14.0 | | | | |
| 1 | 44 | | | 0000 | | 20.0 | - | 22.0 | | | | |



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.

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|--|---|--|--|--|--|---|--|---|--|-----------------------------|--------------------|-----------------|
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| Please Period: 2010 | select a time period. | 1 81 | Export 0 | Nata | | Compara | National to V Scatland | | | | | |
| Please Please Aeriod: 2010 | select a time period. | শ্র | Export D Period | Number | Measure | Compara | National Sostiand Health Board Arshire & Arran | | D - Boto | | | |
| Please Priod: 2010 Domain | Ielet a time period. 2 Print Duant Branchistone Indication 1 Life expectancy - makes ¹ | • श्री। 0 | Export D Period 2003 | Number nia | Measure 76.3 | Compare Type | National Sociand Health Board Agishint & Arran Borders Doctors & Collegan | | Dest | 1 | | |
| Please Please Veriod: 2010 | All the separation of the second seco | · 利 · | Export D Period 2003 2003 | Number nia nia | 76.3 80.0 | Compara Type yrs yrs | National 5 of Soldand Health Board Agrishins & Arran Donters Durifres & Calloway File | | D w Both | | | |
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| Domain Life Expectancy Mortality | Source and a first particle of the source of the sour | • ¥ | Export D 2003 2003 2008 2008 2008 | Nomber n/a n/a 13,420 716 5,028 | Measure 76.3 80.0 648.7 40.8 126.2 | Compara Type yrs yrs tr tr | National 5 - Scetand Health Board Amphibe & Arran Durfres & Calhowsy Fride Forth Valley Crampian Greater Clasper & Clyd Hoghan | | i v hote | | | |
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| Pieaso Period: 2011 Domain Life Expectancy A Martality | All A Simp and CA. The appendix of the second sec | | Export 0 2003 2003 2008 2008 2008 2008 2008 200 | Number n/a n/a 13,420 716 1,626 230 2,911 12,203 | Messure 76.3 80.0 648.7 49.8 126.2 16.7 21.7 855.9 | Compara Type yrs yrs sr sr sr sr 55 55 55 55 | Notional Insuits Board Austria & Aran Austria & Aran Durifica & Calobaky Front Nalaly Campiana Creare Casper & Dyd Highland Landkhite University Shettad Wattern Hiss (287:5) | | - Bota | | | |
| Piease Period: 2011 Domain Life Expectancy Mortality Dehaviours | A start a time pand, and a time pand, by the chart of the pand chart of | | Export 0 2003 2003 2008 2008 2008 2008 2008 200 | Number n/a n/a 13,420 716 1,626 230 2,011 12,263 1,057 | Messure 76.3 80.0 648.7 40.8 126.2 16.7 21.7 855.9 44.4 | Compara Type yrs yrs sr sr sr sr 55 55 55 55 55 55 55 55 55 55 55 55 55 | Noticeal Insuits Barrier Applies & Aran Bayler Compassion Frie Forth Valley Compassion C | | V Bork | | | |
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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.

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|--|---|--|---|-------------------|-----------------------|------------|-----------|-----------|--------|-----------|
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| art shows the current Geograp e-trends, please select the are | eity compared to its p a you wish to view fr | eers for the indi | cator selected. In list or chart belo | w: | | | | | | |
| nahy / Dissu | 割Expert | Data 🛃 To j | rint, right click the mo | use over the char | and select option 'sa | ve as PDF* | | | | |
| Borders Highland File Crampian | | Early de | atha from cerebro | vascular diseas | e (< 75s) (2007 - | 2009) | | | | |
| Dumfries & Calloway Lochian Ayrohire & Arran Forth Valley | 5.00 | 10.00 | 15.00 | test 20.00 | 25.00 | 30.00 | 35.00 | 40.00 | | |
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| Orkney | | | | | - | | | | | |
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| Lothian | | | | - | | | | | | |
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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.

| Version 6.0.11 (build #36916) |
|---------------------------------------|
| About AnyChart |
| Save as image |
| Save as PDF |
| Print chart |
| Settings |
| Global Settings |
| About Adobe Flash Player 11.7.700.225 |
| |

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.

| Public Health I | Information for Scotland | and reduce health inequalities" at 🔒 Rink Chart | | 🛞 Help | Contact Us |
|-------------------------------|--------------------------------|--|---|--------|------------|
| lealth & We | libeing Profiles 2010 | | | | |
| his chart shows | the time-trend for the selecte | id indicator and geography. | | | |
| Export Data | To print, right click the r | nouse over the chart and select option 'save as PDF' | | | |
| | | Early deaths from cerebrovascular disease (< | 75a) | | |
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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 ⁽ⁱ⁾ button will display a popup window with the definition, time period and data source for each population indicator.

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| Public Health Information for Social Public Health & Wolfbeilder Health & Wolfbeilder | T (Taysido) Ston for the selected area. Core Image Procedures area Image Procedures area Image Procedures area 2 Ston for the selected area </th <th>and the</th> <th>@ HAS</th> <th>Connect UN</th> | and the | @ HAS | Connect UN |
| © Scottish Public Health Observatory 2013 | | | | |

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 with 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).



9. Troubleshooting

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

| Security | Information | X | | | |
|----------|---|---|--|--|--|
| P | This page contains both secure and nonsecure items. | | | | |
| | Do you want to display the nonsecure items? | | | | |
| | Yes No More Info | | | | |

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