

# ICS Population Health Dashboard – User Guide

Created: July 2021



This report uses PHE Fingertips data to analyse a set of key indicators that have been prioritised within the ICS. Further details and definitions of each indicator can be found on the [Public Health Profiles - PHE](#) website.

## Demographics Pages

There are four demographics pages, three which analyse the CIPHA registered GP population and provides a simple breakdown to provide context to analysis on: age group/sex, IMD quintile and ethnic group. Each page shows a breakdown by local authority compared to the ICS total. The fourth demographic page is based on data published by gov.uk ministry of housing, communities and local government on deprivation based on LSOA.

## Indicator Pages

There are a total of five pages, all structurally similar, each focusing on indicators specific to an area of health and wellbeing. The indicator groups and therefore pages in the report, are:

- Life Expectancy – this page provides analytics of selected indicators which focus on life expectancy
- Starting Well – this page provides analytics of selected indicators which focus on children and early years
- Living Well – this page provides analytics of selected indicators which focus on health outcomes and disease
- Ageing Well – this page provides analytics of selected indicators which focus on the elderly population
- Health Protection – this page provides analytics of selected indicators which focus on infection and prevention

## Population Health Matrix

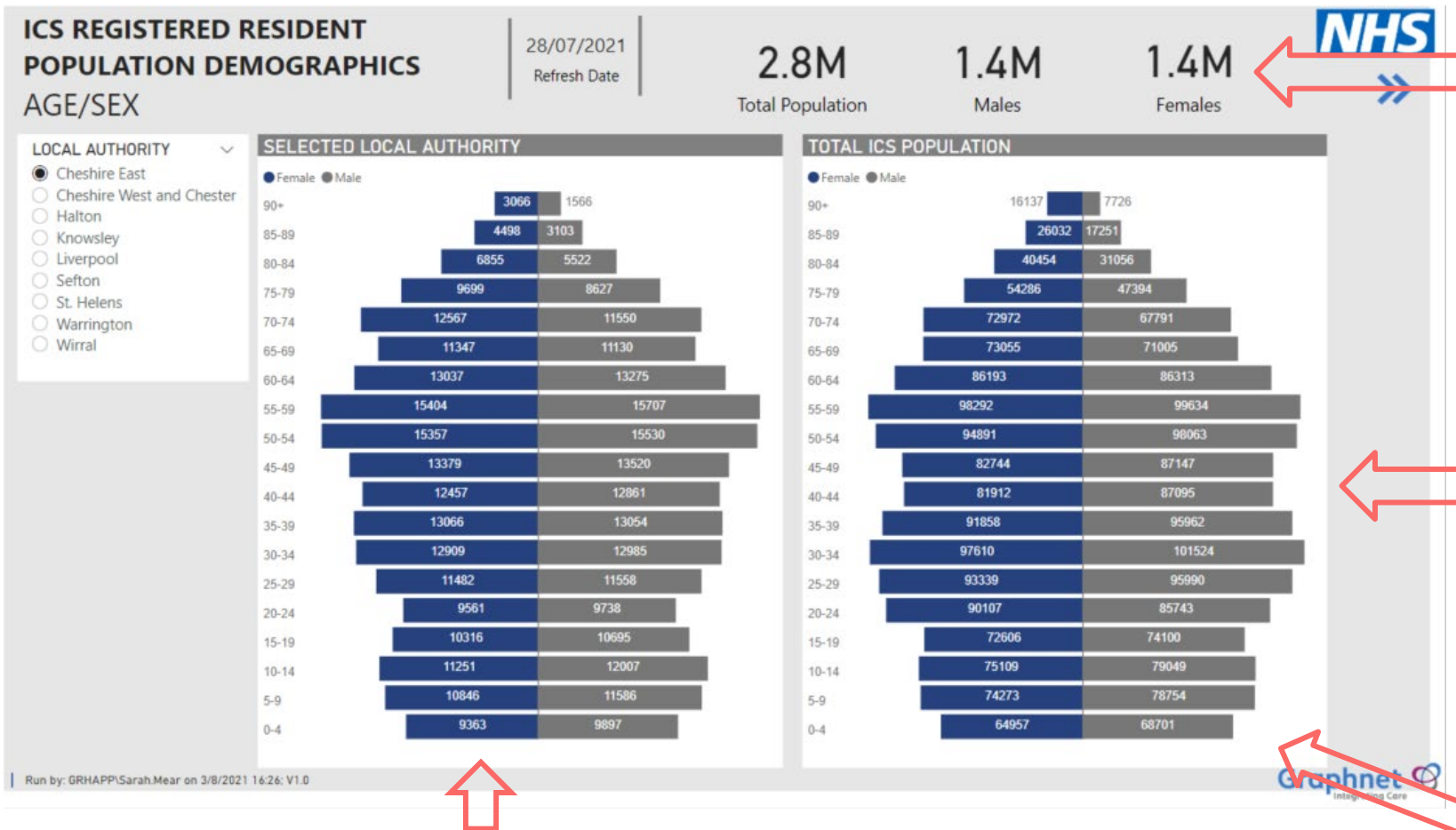
The ICS population health matrix page provides an overview of indicators in a matrix format. The matrix shows each indicator value for each local authority as well as the national and ICS average. It is important to note that ICS averages are an estimate value calculated within CIPHA and are not published by PHE. These values should be used as a guide and interpreted with caution.

## About and How to Use pages

The 'About' page is provided to give a brief insight into the report structure and data used in this report. The 'How to Use' page provides details into how features of the report operate and how interactive features can be utilised for individual user need.

# Demographic Pages – User Guide

There are three demographic pages: sex/age group, IMD quintile and ethnicity. Guidance on this slide can be applied to all four of these pages. Analyses is based on the CIPHA GP registered population.



The 'ICS Total Population' provides the sum of all persons registered at GP practices within the ICS. To the right of the total the population is further split into 'Males' and 'Females' at the top of each page. These figures are again based on the persons registered at GP practices within the ICS.

These figures are interactive and will change if an area of a chart is selected. For example, if the '0-4' bar is selected in the charts the 'ICS Total Population' will calculate the sum of all people aged 0-4 in the ICS.

There are two charts on this page, the first is the 'SELECTED LOCAL AUTHORITY' chart which is interactive using the list to the right hand side. The chart will adjust to show the population structure of the selected local authority. Once a local authority is selected from the drop down list, this will sync with the other demographic pages. The second chart 'TOTLA ICS POPULATION' will remain static to allow for comparison between a local authority and the total ICS population.

If a bar is selected in any chart, each chart will focus on the group selected e.g. '0-4'. The 'ICS Total Population', 'Males' and 'Females' at the top of the page will also change to calculate totals for the selected group only.

By hovering the mouse over the bars in the chart, a box will appear displaying the demographic group and population size attributed to that bar.

# Demographic Pages – User Guide 2

This demographic page is based on data published by gov.uk ministry of housing, communities and local government on deprivation based on LSOA.

**ICS REGISTERED RESIDENT POPULATION DEMOGRAPHICS DEPRIVATION BY LSOA**

28/07/2021 Refresh Date

Upper Tier Local Authority Name  
All

**NHS**

**INDEX OF MULTIPLE DEPRIVATION (IMD) BY LSOA**

**INCOME DEPRIVATION AFFECTING CHILDREN INDEX (IDACI) SCORE**

**INCOME DEPRIVATION AFFECTING OLDER PEOPLE INDEX (IDACI) SCORE**

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The drop down box can be used to select a local authority. Once selected the maps will automatically zoom in to show that local authority

# Indicator Pages – User Guide Page 1 of 2

There are five indicator pages: Life Expectancy; Starting Well; Living Well; Ageing Well and Health Protection. Guidance on this slide can be applied to all five of these pages. Analyses is based on data provided by PHE Fingertips.

**Search Box**  
When a key word is typed in the search box, the indicators in the dropdown box will update to show those featuring the key word.

**ICS Indicator Summary**  
This table compares the difference local authorities indicator values to the national average. Each row is formatted to change colour based on whether the indicator value is better (green), worse (red) or similar (amber) to England. Comparisons are based on 95% confidence intervals calculated by PHE Fingertips.

**INDICATOR GROUP:** LIFE EXPECTANCY | 28/07/2021 03:01:11 | Refresh Date

Search

Life expectancy at birth - Male

Area Name	Age	Time period	Units	Count	Value	Compared to England
England	All ages	2017 - 19	Number		79.8	Not compared
Cheshire East	All ages	2017 - 19	Number		80.3	Better
Cheshire West and Chester	All ages	2017 - 19	Number		80.1	Similar
Halton	All ages	2017 - 19	Number		77.4	Worse
Knowsley	All ages	2017 - 19	Number		76.8	Worse
Liverpool	All ages	2017 - 19	Number		76.6	Worse
Sefton	All ages	2017 - 19	Number		78.9	Worse
St. Helens	All ages	2017 - 19	Number		77.8	Worse
Warrington	All ages	2017 - 19	Number		79.0	Worse
Wirral	All ages	2017 - 19	Number		78.5	Worse

**INDICATOR TRENDS**

Area Name: Cheshire East, Cheshire West an..., England, Halton, Knowsley, Liverpool, Sefton

Value: 80, 70

Time period: 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, -03, -04, -05, -06, -07, -08, -09, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19

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**INDICATOR GEOGRAPHICAL HEAT MAP**

Area Name: Cheshire West and Chester  
Value: 80.07

Key: The colour on the heat map darkens as value increases i.e. the higher the value the darker the colour.

Graphnet Integrating Care

**Indicator Name Dropdown box**  
Use the arrow to show the list of indicators related to this page. When an indicator is selected from the list, other visuals on the page will update accordingly. Only one indicator can be selected at any given time.

**Heat Map**  
The heat map shows the ICS geography split by local authority. The darker the colour of the area, the higher the value of the indicator. When hovering the mouse over an area a box will display the name of the area and the value attributed to the area for the selected indicator.

**Indicator Trends Chart**  
This chart shows the trend over time for each local authority and England for the selected indicator. England is coloured Red in every chart. By clicking on a line in the chart the other visuals will change to display information for that local authority only.

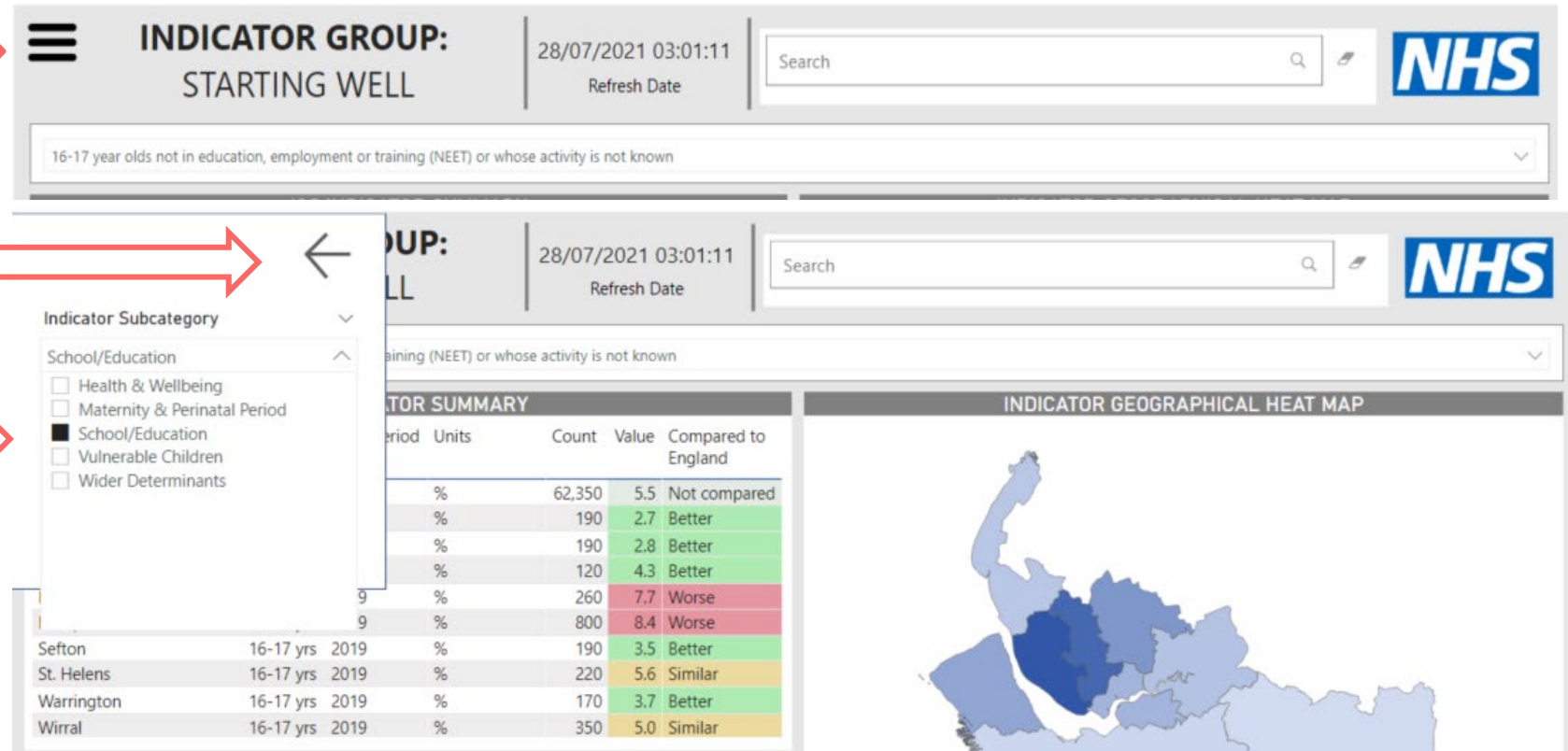
# Indicator Pages – User Guide Page 2 of 2

There are five indicator pages: Life Expectancy; Starting Well; Living Well; Ageing Well and Health Protection. Guidance on this slide can be applied to all five of these pages. Analyses is based on data provided by PHE Fingertips.

**Hamburger Menu**  
When the hamburger menu is selected a filter pain will appear which allows for indicators to be filtered by subcategory.

**Back Arrow**  
Click this arrow to hide the filter pain

**Indicator Subcategory Dropdown Box**  
Use the arrow to show the list of subcategories. This will filter the indicator name drop down box to show only indicators that are in the selected subcategory. Only one subcategory can be selected at any given time.



The screenshot shows the NHS Indicator Group interface for 'STARTING WELL'. The page title is 'INDICATOR GROUP: STARTING WELL' with a refresh date of 28/07/2021 03:01:11. A search bar and the NHS logo are visible. The indicator name is '16-17 year olds not in education, employment or training (NEET) or whose activity is not known'. A filter panel is open, showing a list of indicator subcategories: Health & Wellbeing, Maternity & Perinatal Period, School/Education (selected), Vulnerable Children, and Wider Determinants. Below the filter panel is a table with columns for Period, Units, Count, Value, and Compared to England. The table shows data for various regions, with Sefton having a value of 3.5 (Better), St. Helens 5.6 (Similar), Warrington 3.7 (Better), and Wirral 5.0 (Similar). To the right of the table is an 'INDICATOR GEOGRAPHICAL HEAT MAP' showing a map of the region with different shades of blue representing the values.

Period	Units	Count	Value	Compared to England
%		62,350	5.5	Not compared
%		190	2.7	Better
%		190	2.8	Better
%		120	4.3	Better
%		260	7.7	Worse
%		800	8.4	Worse
Sefton	16-17 yrs 2019	%	190	3.5 Better
St. Helens	16-17 yrs 2019	%	220	5.6 Similar
Warrington	16-17 yrs 2019	%	170	3.7 Better
Wirral	16-17 yrs 2019	%	350	5.0 Similar

# Population Health Matrix – User Guide

The ICS population health matrix page provides an overview of indicators in a matrix format.

## Indicator Group Dropdown Box

Use the arrow to show the list of indicator groups. When an indicator group is selected, the matrix visual will update to only show indicators attributed to that indicator group. Please note this must be selected before selecting an indicator subcategory.

## Matrix

Each row in the matrix represents an indicator. For each indicator, an England value and ICS value is provided. The ICS value will be coloured either red or green based on if the value is better or worse than the England value respectively.

The screenshot shows the 'ICS Population Health Matrix' interface. At the top, there are filters for 'Indicator Group' (set to 'All'), 'Indicator Subcategory' (set to 'All'), and a 'Search' box. The main table displays various indicators across different local authorities. The 'ICS Trend' column is highlighted with a red arrow, showing 'Improved' (green) or 'Not Improved' (red) status. The 'England' and 'ICS Average' columns are also visible, with the ICS value being red when it is worse than the England value.

Indicator Name	England	ICS Average	ICS Trend	Cheshire East	Cheshire West and Chester	Halton	Knowsley	Liverpool	Sefton	St. Helens	Warrington	Wirral
16-17 year olds not in education, employment or training (NEET) or whose activity is not known	5.5	4.9	Improved	2.7	2.8	4.3	7.7	8.4	3.5	5.6	3.7	5.0
Acute hepatitis B incidence rate/100,000	0.7	0.7		0.0	0.0	1.6	0.7	0.4	0.0	0.0	0.0	3.7
Adjusted antibiotic prescribing in primary care by the NHS	0.9			1.0	1.0	1.1	1.2	1.1	1.1	1.2	1.0	1.2
Admission episodes for alcohol-related conditions (Broad)	2,367.4		Improved	2,101.5	2,029.9	2,995.1	3,294.4	3,376.4	2,962.3	3,034.2	2,427.0	3,162.0
Admission episodes for alcohol-related conditions (Narrow)	663.7			615.1	640.8	862.7	939.7	997.0	912.3	882.7	733.1	895.1
Admission episodes for alcohol-related conditions (Narrow) - Over 65s	1,049.2			847.2	925.3	1,172.7	1,195.6	1,233.0	982.3	1,084.2	934.3	1,074.7
Admission episodes for alcohol-specific conditions - Under 18s	30.7			37.0	34.3	58.3	44.9	52.7	62.0	81.6	11.2	46.9
All new STI diagnosis rate / 100,000	778.9	784.3	Not Improved	491.1	802.9	694.5	807.6	1,207.7	642.7	708.1	555.0	798.2

The ICS column calculates an ICS average when a numerator and denominator is available from data provided by fingertips. When the ICS average value is better than the England value the font will be green, otherwise, it will be red.

The ICS Trend column calculates whether the ICS value has improved since the previous year's value.

Local authority values are coloured based on comparison to the national value calculated using 95% confidence intervals. Red - significantly worse than the national value; amber - no significant difference and green - significantly better than the national average.

Please note that these values are derived within CIPHA using the Fingertips data.

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## Search Box

When a key word is typed in the search box, the matrix will update to show indicators which feature that key word.

## Indicator Subcategory Dropdown Box

Use the arrow to show the list of indicator subcategories related to the indicator group selected. This drop down box must be used only after an indicator group has been selected.

## Matrix

Each local authority within the ICS has a column in the matrix table which displays the latest value for each indicator. These values are formatted to be coloured red, amber or green based on their comparison to the national average.

## Matrix

The ICS trend column compares the ICS average from the latest year of available data to the previous year of available data for the indicator when available. When the value has improved the box will be coloured green and when it has not improved it will be red. It is important to note these values are not calculated by PHE fingertips and should be used as a guide and interpreted with caution.

## **Demographic Data – Age/sex, ethnic group and IMD quintile**

This demographic data utilises CIPHA and the GP registered population within the ICS

## **Demographic Data – Deprivation by LSOA**

This data is based on the publicly available [English indices of deprivation 2019](#) published by gov.uk.

## **Indicator Data**

Indicator data is sourced from PHE Fingertips. With the exception of the ICS average values which are calculated within CIPHA, all other values for indicators are calculated by PHE. A full list of indicator definitions and data sources can be found on the [Public Health Profiles - PHE](#) website.