UK Health Security Agency

AMR Local Indicators

Fingertips Profile User Guide

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What is Fingertips

Fingertips is a publicly available platform developed by UK Health Security Agency (UKHSA) that provides access to specific, pre-defined, health information (profiles). Fingertips is available at http://fingertips.phe.org.uk/

Fingertips comprises multiple public health profiles, that are a rich source of indicators across a range of health and wellbeing themes. An individual profile is made up of a broad category of health-related topics (called domains) each of which provides information related to that topic. The various profiles have been designed to support the Joint Strategic Needs Assessment and commissioning to improve health and wellbeing, and reduce inequalities. The profiles allow local users to:

- Browse indicators at different geographical levels
- Benchmark against the regional or England average
- Export data to use locally

This guide relates to the **AMR (Antimicrobial Resistance) local indicators-**profile that was made available through Fingertips in April 2016. A visual representation of fingertips can be seen in figure 1.

The AMR local indicators profile comprises the following five domains:

- antimicrobial resistance
- antibiotic prescribing
- healthcare-associated infections
- infection prevention and control
- antimicrobial stewardship

Each domain is made up of individual indicators. Indicators report on a single item of health-related information across England broken down by local geographies. There are multiple geographical breakdowns including GP practice, sub-Integrated Care Boards (sub-ICBs), and Acute Trust. Local users will be able to benchmark their data against the national and/or regional picture or comparable organizations. Users will be able to see the highest and lowest values recorded for any indicator as well as the value for their chosen geographical area. Indicators can also be used to benchmark a local area against itself over time or against other areas to help drive improvements.

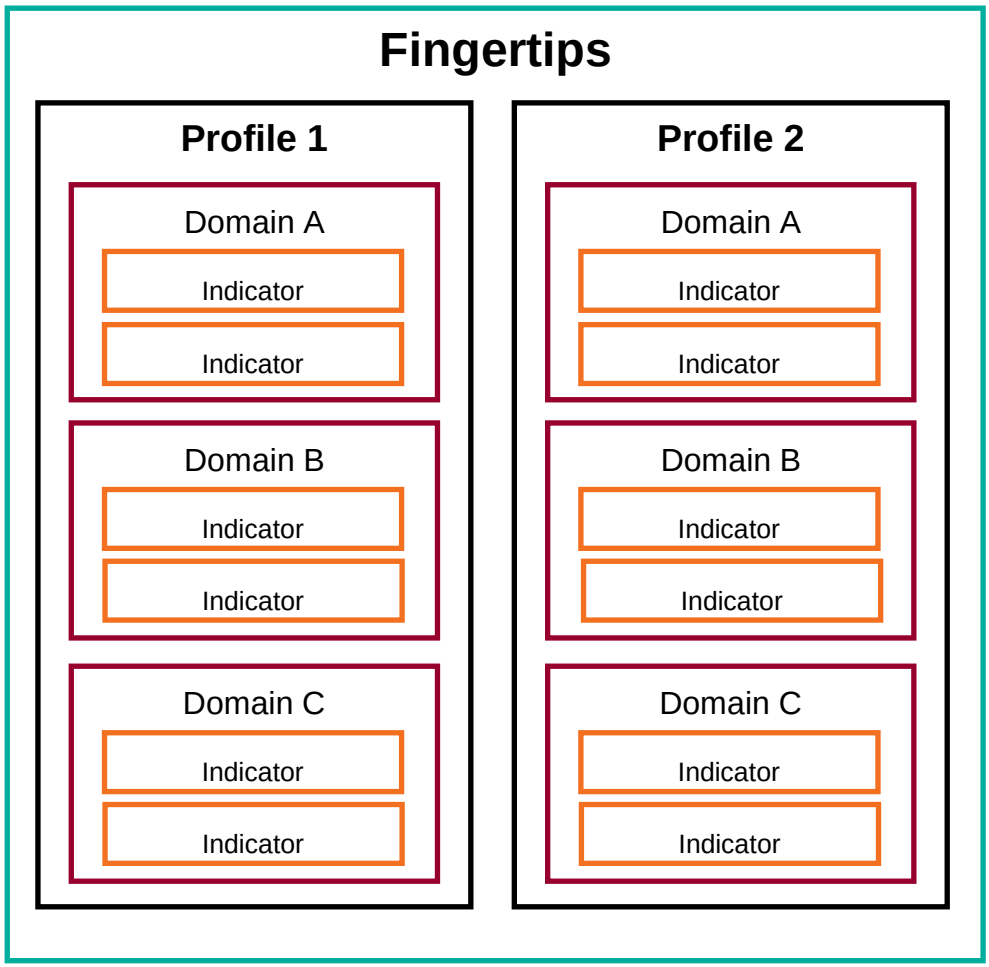


Figure 1: An overview of the structure of UKHSA Fingertips. *AMR local indicators* form a profile.

Queries

If you have specific questions regarding the data within the AMR local indicators profile please email

- mandatory.surveillance@ukhsa.gov.uk for queries regarding healthcare-associated infection indicators
- amr@ukhsa.gov.uk for queries regarding antimicrobial resistance
- espaur@ukhsa.gov.uk for all remaining queries

Profile menus

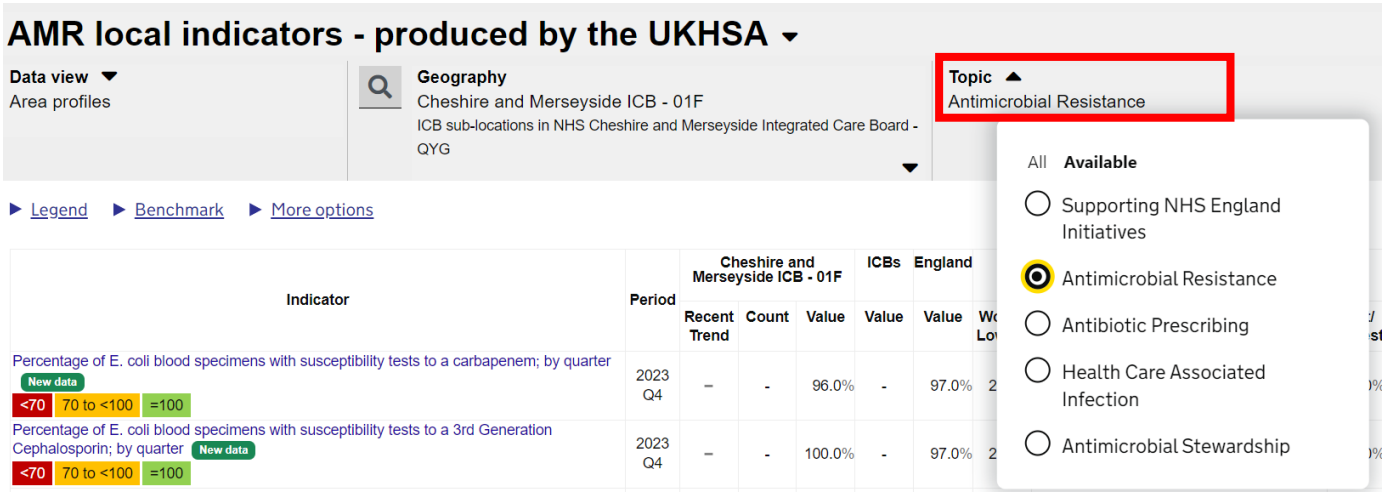
Below are the standard items for the AMR local indicators profile. These options will be available throughout the profile.

Some indicators will display a coloured background on their values. This is to denote a comparison to the benchmark value. If the indicator uses this feature it will be consistent across the various data views. A legend will be provided by the system at the top of the screen.

Domains

Domains

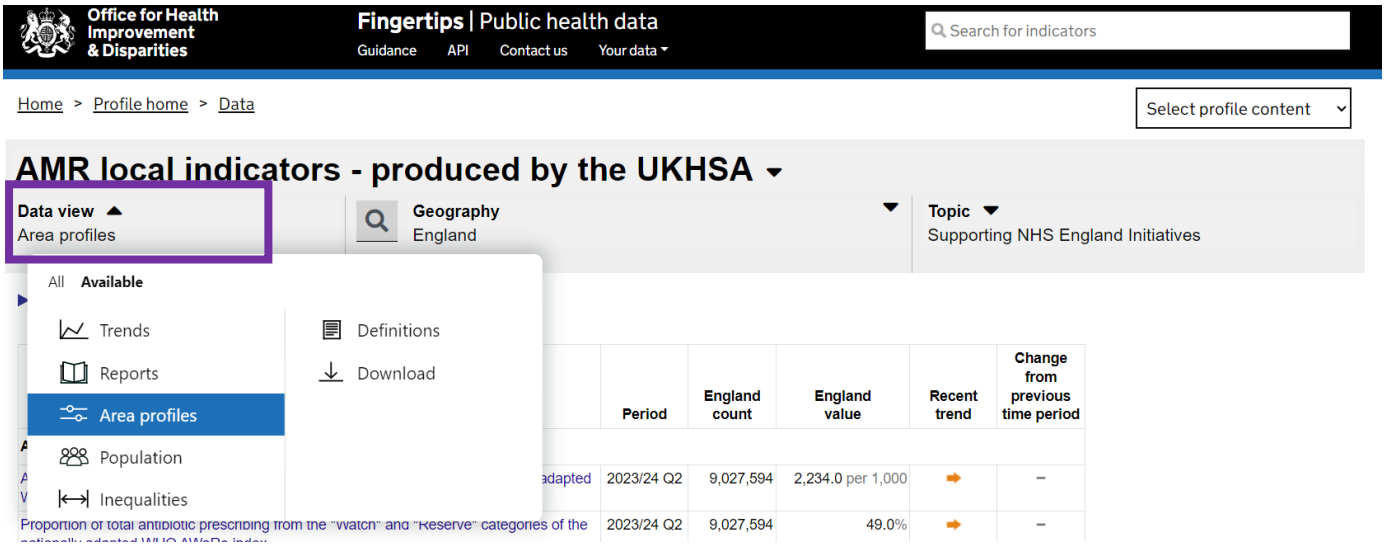
Click these to change between domains; note that indicators will only display if the Area type for which they are available is selected.



Data Visualisation

Visualisation

These offer alternative ways of displaying the data; further detail on each data visualisation tab can be found in the next section of this document.



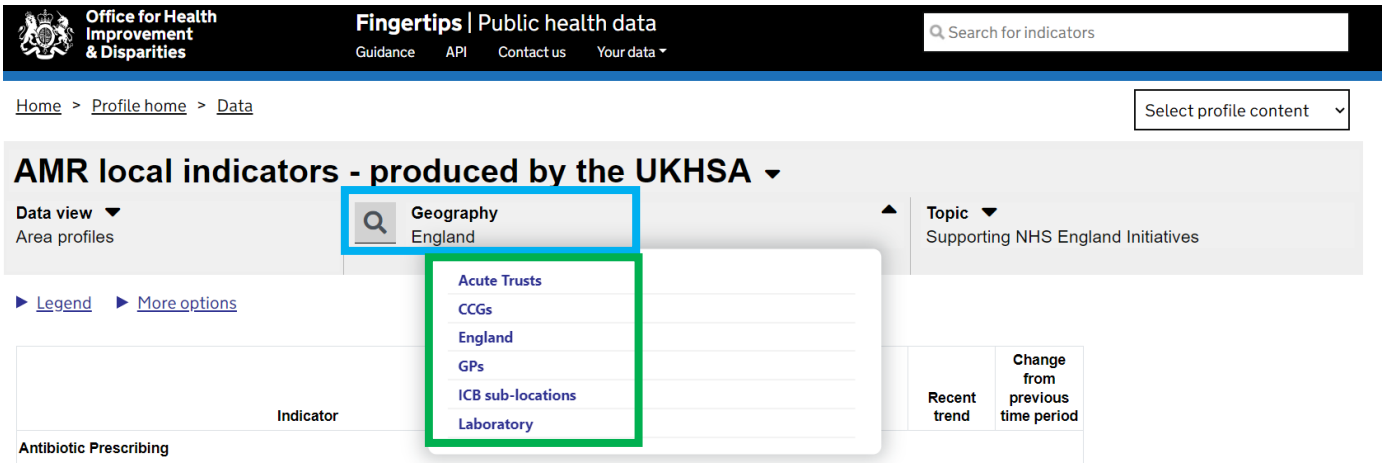
Area and Area type

Area type

Area types may include GP practice, sub-ICBs or Acute Trust. If a given indicator has more than one option for Area type, this can be used to toggle between them.

Area

Use this to select an individual GP practice, sub-ICBs or Acute Trust



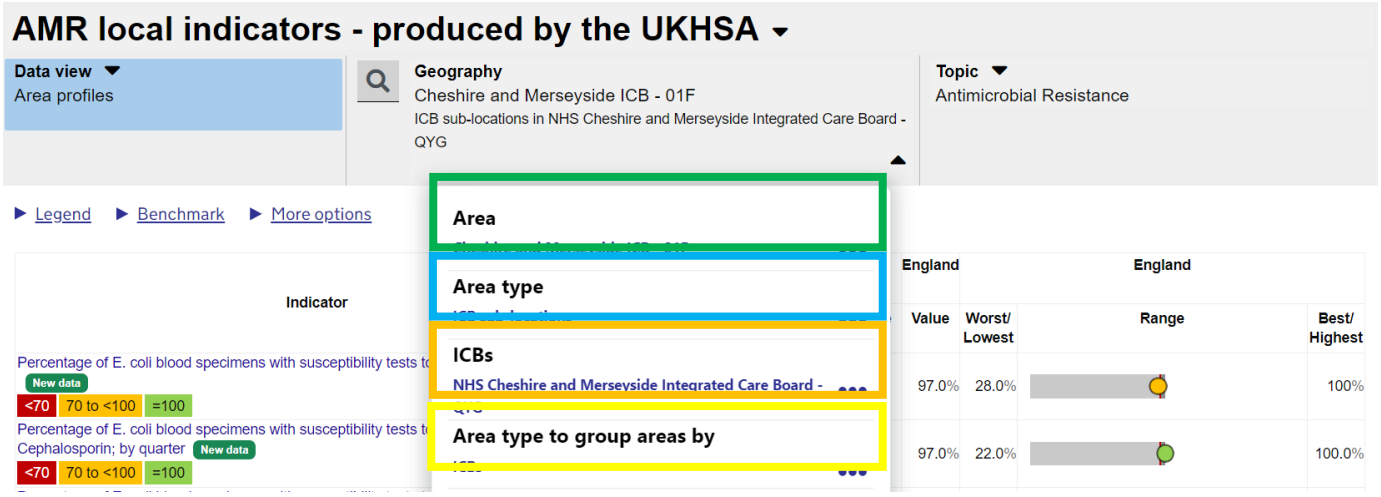
Area grouped by and Sub-region

Area grouped by

This dropdown will determine how the data is aggregated; sub-regions are the default for the AMR local indicators profile

Sub-region

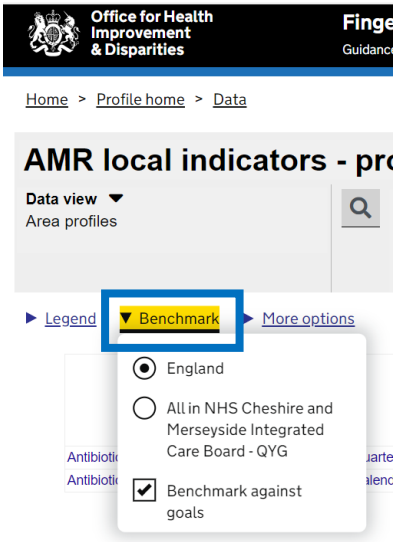
This dropdown will determine which sub-region the system will display data for



Benchmark

Benchmark

Note, not all indicators will be benchmarked. The default benchmark is England; where data exists, benchmarking against sub-regions or chosen sub-ICBs may be available.

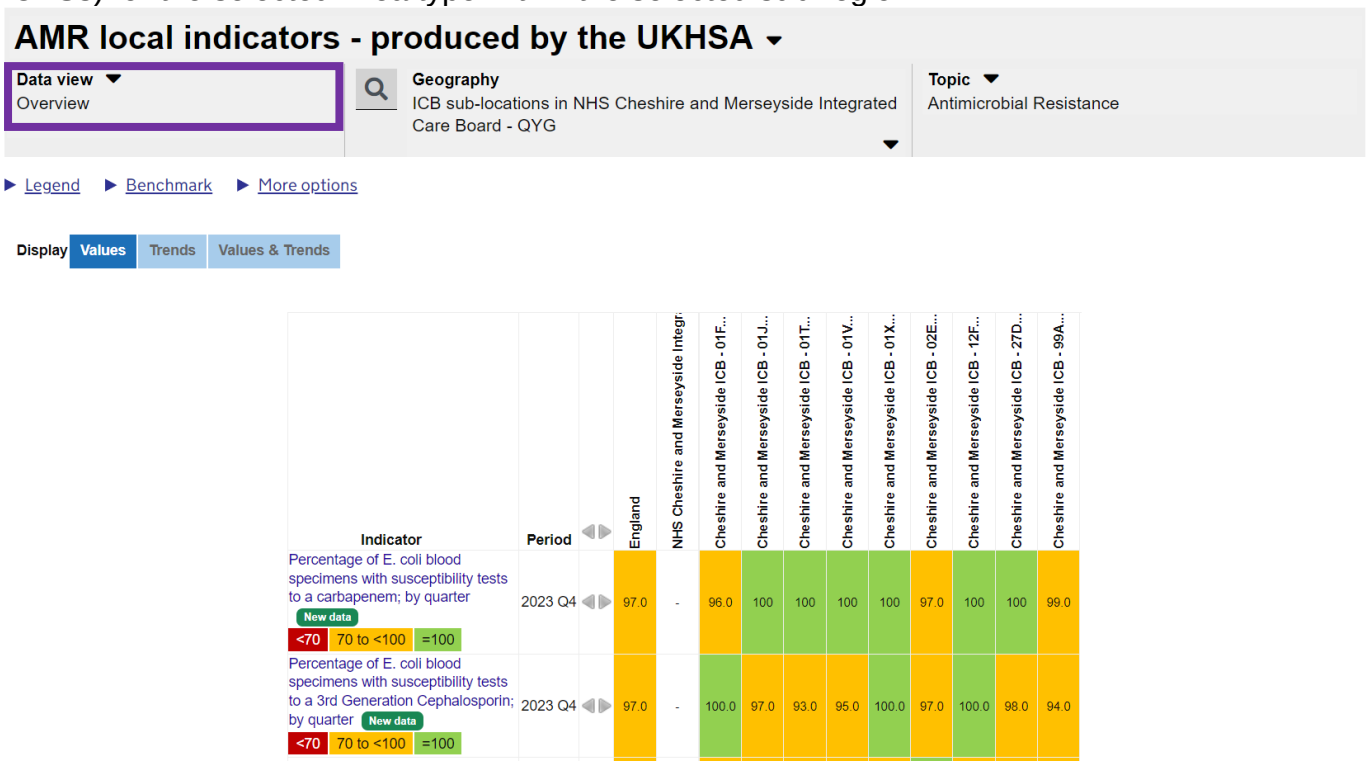


Data visualisation tabs

Overview

In the Overview mode, all indicators for that domain will be shown simultaneously. This will only display the indicators for the chosen area type and the appropriate sub-region and national value.

In Overview, you can change between sub-regions. The grey left and right arrows in between the “Period” and “England” (benchmark) columns allow you to scroll between all the Areas (e.g., sub-ICBSs) for the selected Area type within the selected sub-region.

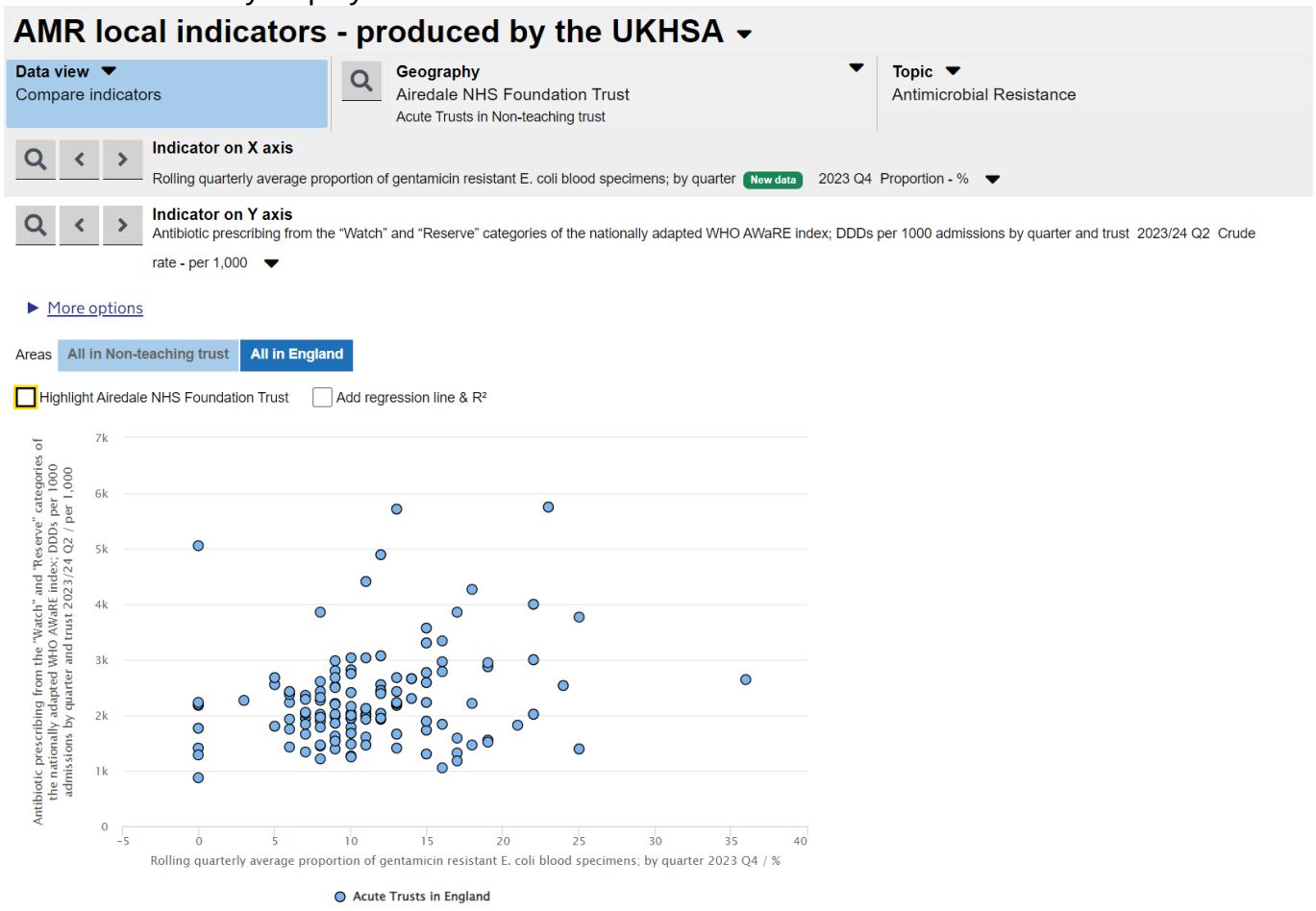


Compare Indicators

In this Data visualisation tab, scatterplots can be drawn between different health indicators. Indicators are chosen from the drop-down menu and plotted on the X and Y axis respectively.

This facility needs to be treated with caution due to concerns over time release of data for different indicators and potential misinterpretation due to not fully appreciating caveats for individual indicators.

Trendlines will only display if $R^2 > 0.15$.



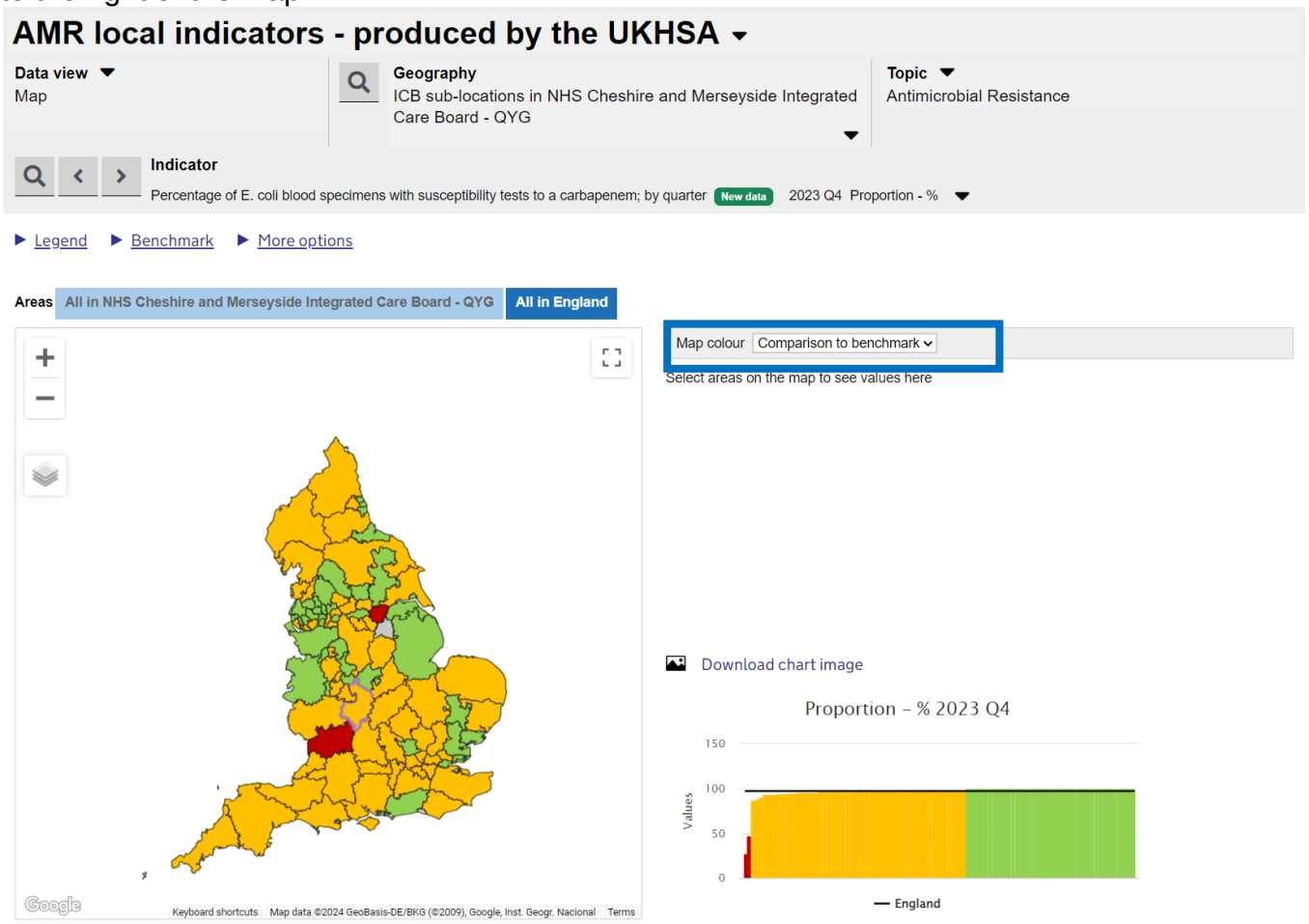
Map

Fingertips has a mapping function that shows the values for selected indicators for sub-ICBs Area type coloured according to their value. The mapping function gives a strong visual representation of regional variation for the selected indicator. The system does not have the facilities to map to trust or GP level.

By selecting from the *Map colour* dropdown menu highlighted below in blue, the scale can be altered to be matched against (1) the benchmark, or displayed by (2) quartiles,

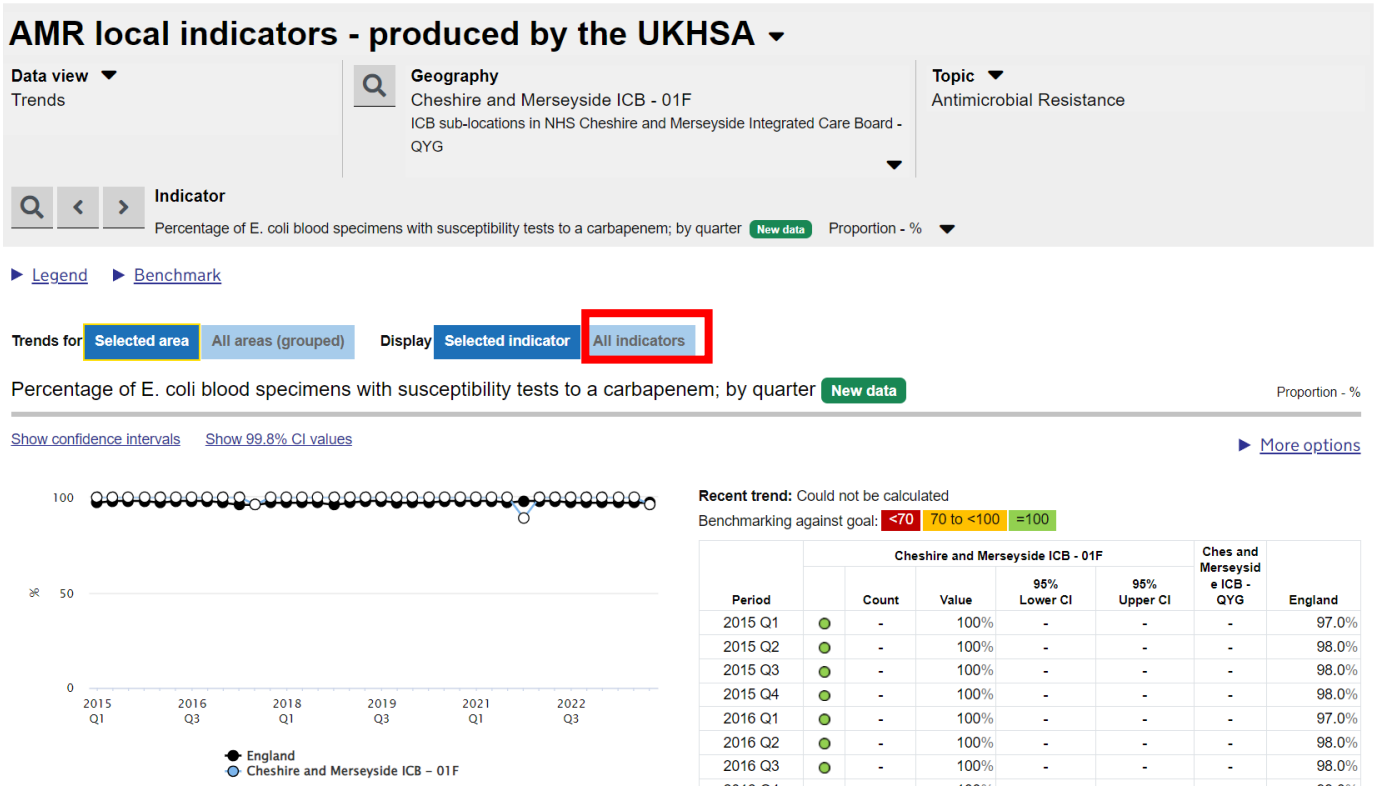
(3) quintiles, or (4) on a continuous scale.

Individual areas can be selected on the map; a table will be generated with these selected areas to the right of the map.

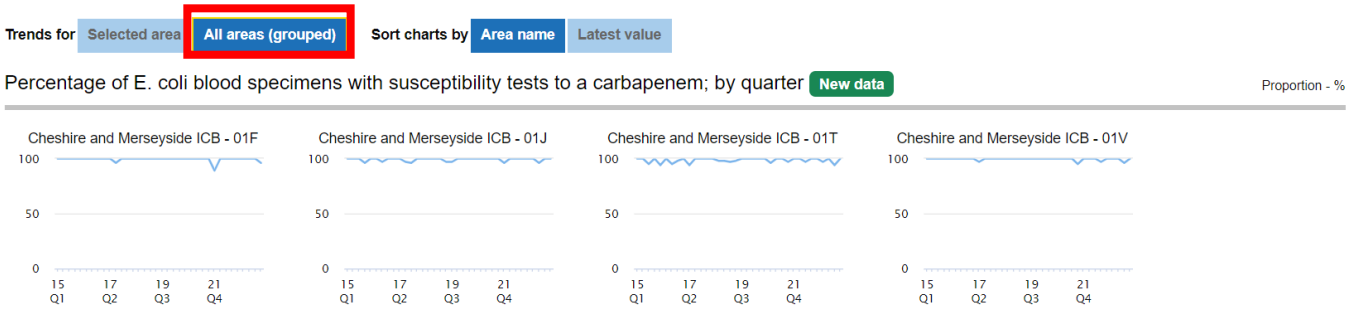


Trends

Fingertips can monitor the trend of an indicator over time. This monitoring can be done along with or independently from a benchmark. Depending on the individual indicator, the options for benchmarking include England or by sub-region. The benchmark will be shown on the graphs in black. The user can view a single indicator or all indicators within the same domain and area type simultaneously.



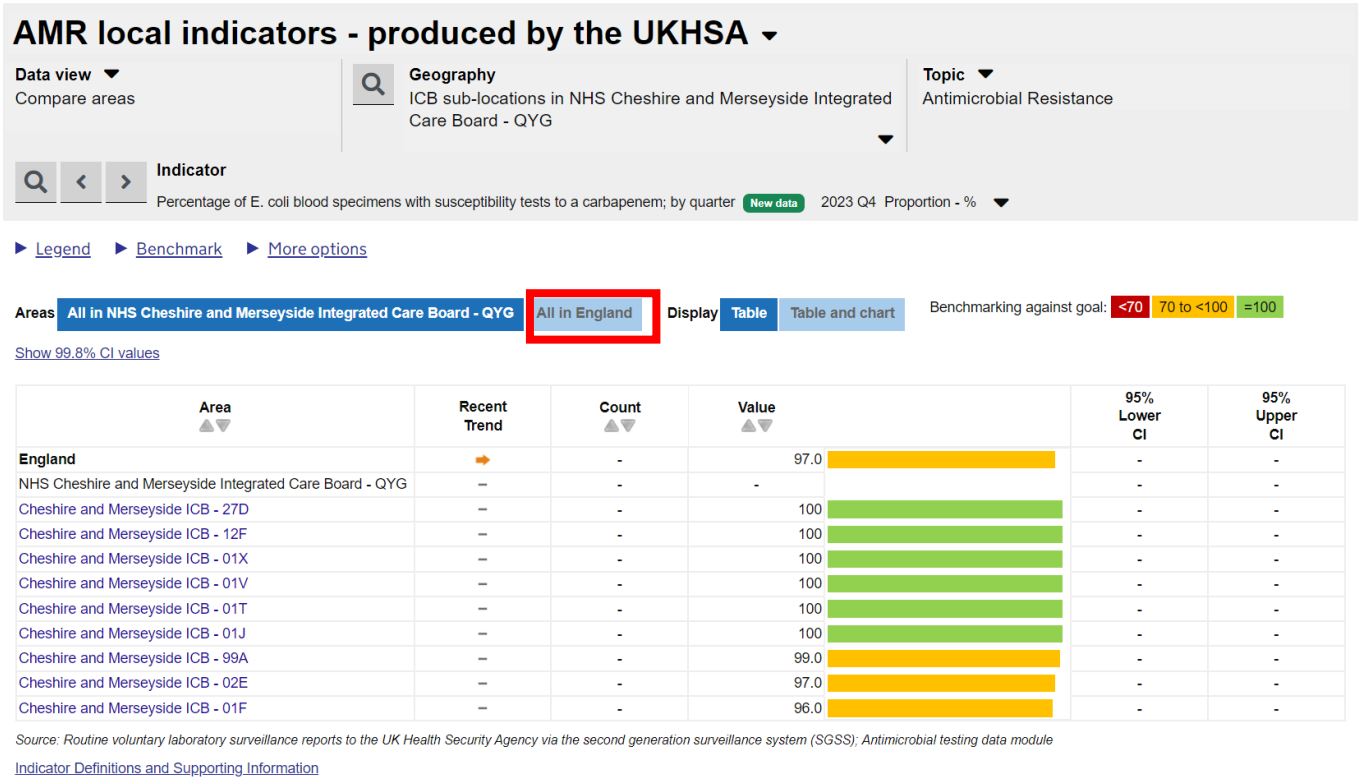
Additionally, users can view a single area or multiple areas within a region simultaneously.



Compare Area

In this Data visualisation tab the user chooses the desired indicator from the drop-down menu. This view enables the user to see both the value of a single indicator as well as the count that was used to generate this value. Confidence intervals will only show on indicators that have them. The data can be re-ordered in ascending/descending order by area name, count, or value.

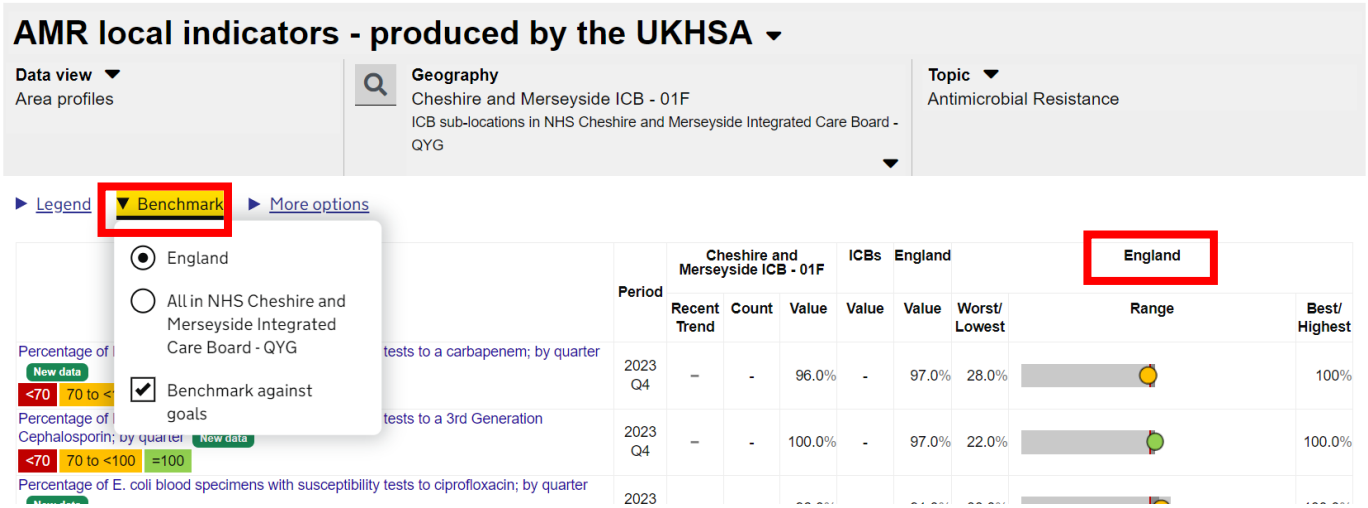
The data can be viewed for just the selected sub-region or at a national level.



Area Profiles

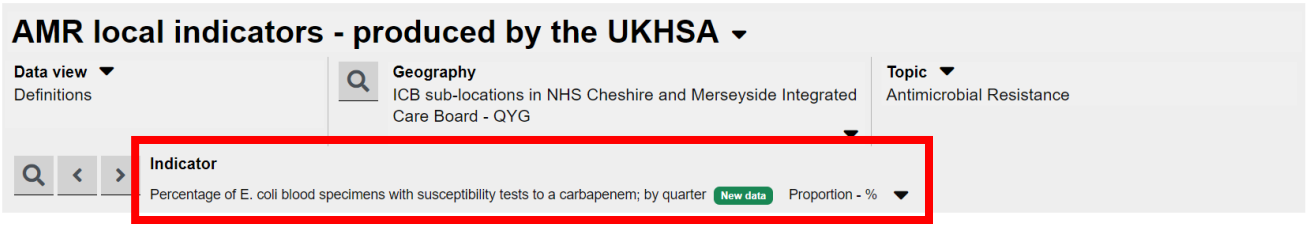
In this Data visualisation tab multiple indicators can be viewed at once within a single domain. Users are able to see where their chosen area falls among the range of all values for that indicator and how their area compares with the benchmark (if set). Users are able to see the highest and lowest values recorded for any indicator as well as the value for their chosen area. Further information on the interpretation of a high or low value can be found in the Definitions tab.

Where applicable, changing the benchmark dropdown will display regional or national values.



Definitions

The Definitions tab provides information for each indicator, including what it can be used for, where the data is sourced from, and how the indicator was produced. Information is also given on how this data should be interpreted together with any caveats.



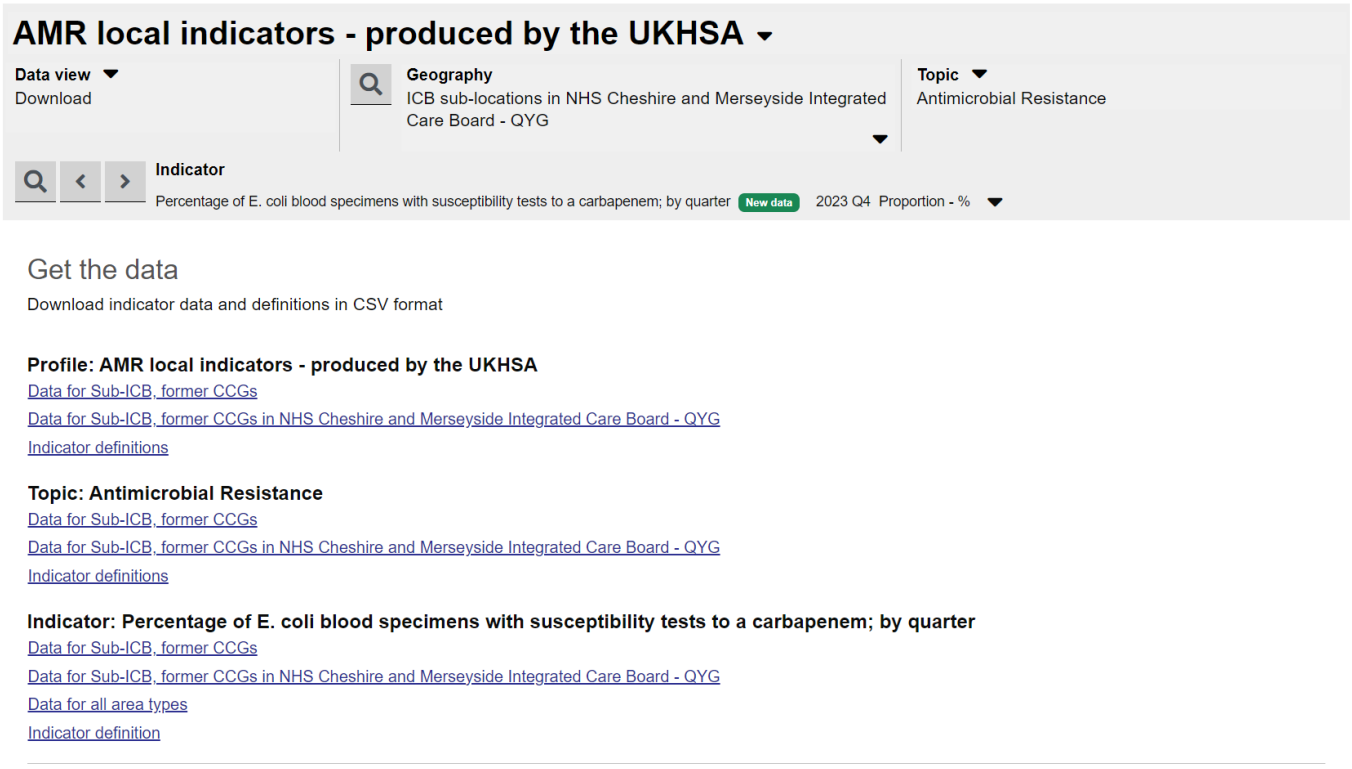
Indicator Definitions and Supporting Information

Indicator ID	92021
Date updated	03 April 2024 New data
Indicator	Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter
Rationale	This indicator demonstrates the proportion of initial specimens (first identified patient *E. coli* blood specimens) which have been tested for susceptibility to a carbapenem (meropenem/imipenem or ertapenem) in each ICB sub-location by quarter, in line with the guidance. Testing by ICB sub-location has been graded to green (100% of initial *E.coli* blood isolates), amber (70-99% isolates) and red for those where less than 70% have been tested (70% cut off used within the ESPAUR report 2014).
Definition	Percentage of *E. coli* blood specimens (from voluntary English laboratory surveillance) with susceptibility tests to a carbapenem; by ICB sub-location and by Quarter (2015 Q1 onwards). The testing of *E. coli* blood specimens for carbapenem (meropenem/imipenem/ertapenem) susceptibility is recommended within the Standards for Microbiology Investigations (SMI) https://www.gov.uk/government/publications/smi-b-60-detection-of-bacteria-with-carbapenem-hydrolysing-lactamases-carbapenemases For this indicator, a higher value is indicative of increased carbapenem susceptibility testing.

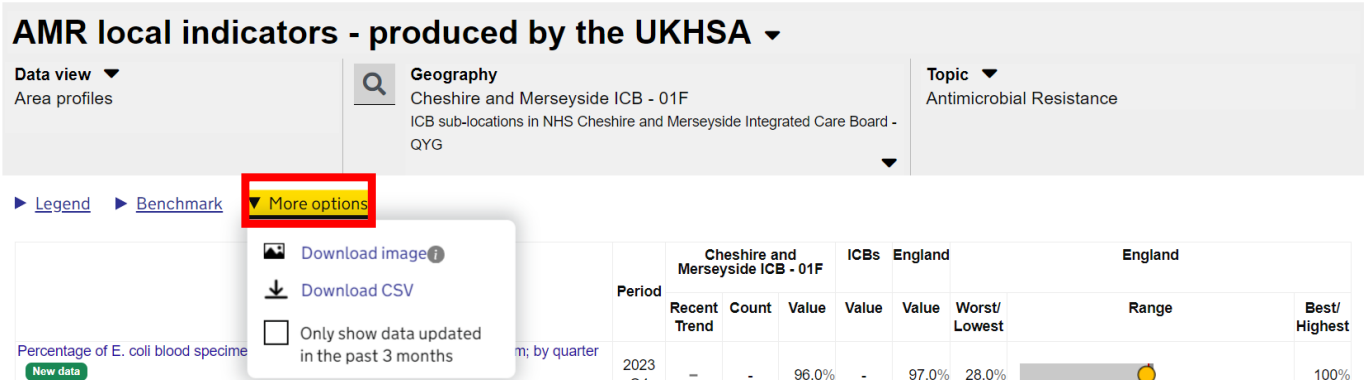
Download

This tab allows you to download the data as a csv file.

Note the timescale of the data if you are looking to download the data regularly.



On some of the data view pages, there is the option to download data as an image or a csv (a “More options” tab will appear).



About the UK Health Security Agency

UKHSA is responsible for protecting every member of every community from the impact of infectious diseases, chemical, biological, radiological, and nuclear incidents, and other health threats. We provide intellectual, scientific, and operational leadership at national and local level, as well as on the global stage, to make the nation's health secure.

UKHSA is an executive agency, sponsored by the Department of Health and Social Care.

www.gov.uk/government/organisations/uk-health-security-agency

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