



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.

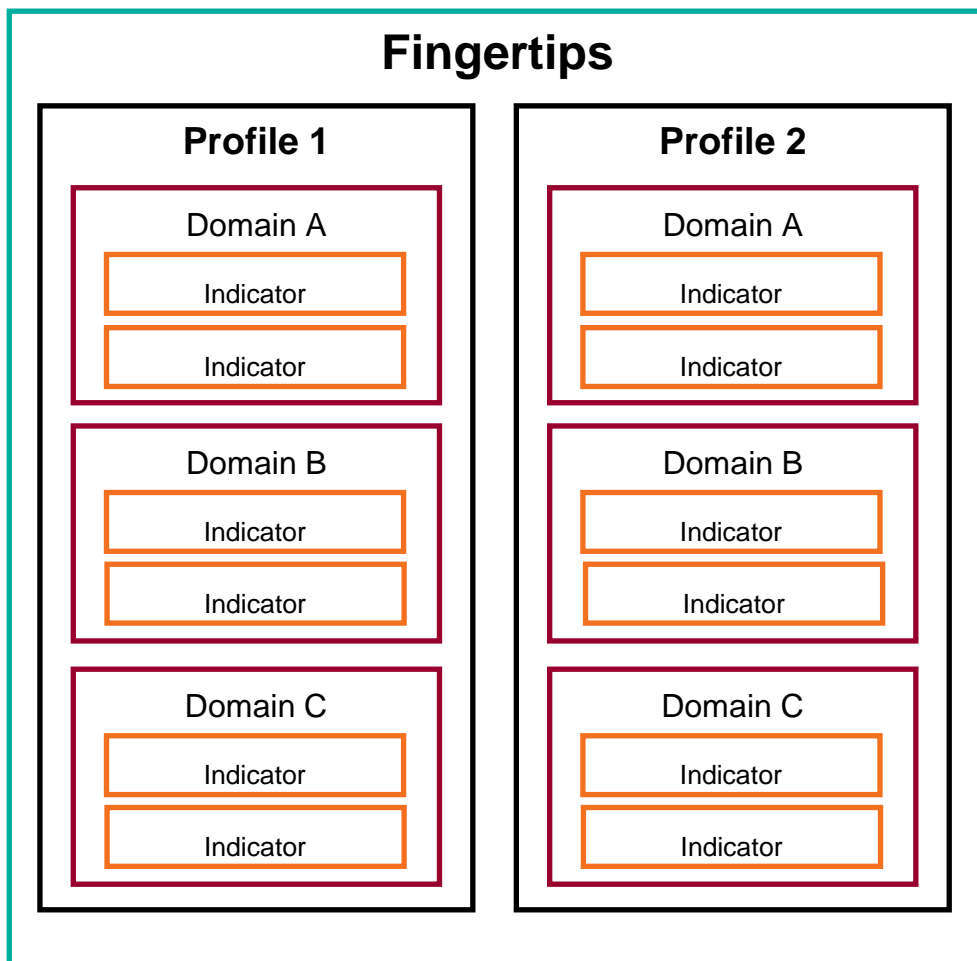


Figure 1: An overview of the structure of UKHSA Fingertips. AMR local indicators form a profile.

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.

AMR local indicators - produced by the UKHSA ▾

Data view ▾
Area profiles

Geography
Cheshire and Merseyside ICB - 01F
ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic ▲
Antimicrobial Resistance

All Available
 Supporting NHS England Initiatives
 Antimicrobial Resistance
 Antibiotic Prescribing
 Health Care Associated Infection
 Antimicrobial Stewardship

[Legend](#) | [Benchmark](#) | [More options](#)

Indicator	Period	Cheshire and Merseyside ICB - 01F		ICBs	England	Wales	London
		Recent Trend	Count	Value	Value		
Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter	2023 Q4	-	-	96.0%	-	97.0%	2
Percentage of E. coli blood specimens with susceptibility tests to a 3rd Generation Cephalosporin; by quarter	2023 Q4	-	-	100.0%	-	97.0%	2

New data <70 70 to <100 =100

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.

Office for Health Improvement & Disparities | Fingertips | Public health data

Home > Profile home > Data

AMR local indicators - produced by the UKHSA

Data view ▲
Area profiles

Geography: England

Topic: Supporting NHS England Initiatives

Period	England count	England value	Recent trend	Change from previous time period
2023/24 Q2	9,027,594	2,234.0 per 1,000	→	–
2023/24 Q2	9,027,594	49.0%	→	–

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

Office for Health Improvement & Disparities | Fingertips | Public health data

Home > Profile home > Data

AMR local indicators - produced by the UKHSA

Data view ▼
Area profiles

Geography: England

Topic: Supporting NHS England Initiatives

Legend | More options

Indicator	Recent trend	Change from previous time period
Antibiotic Prescribing		

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

AMR local indicators - produced by the UKHSA

Data view ▾
Area profiles

Geography
Cheshire and Merseyside ICB - 01F
ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic ▾
Antimicrobial Resistance

Legend | Benchmark | More options

Indicator

Percentage of E. coli blood specimens with susceptibility tests to Cephalosporin; by quarter New data

<70 70 to <100 =100

England		England		
Value	Worst/Lowest	Range	Best/Highest	
97.0%	28.0%		100%	
97.0%	22.0%		100.0%	

Area
Area type
ICBs
NHS Cheshire and Merseyside Integrated Care Board - QYG
Area type to group areas by

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.

Office for Health Improvement & Disparities

Fingertips
Guidance

Home > Profile home > Data

AMR local indicators - produced by the UKHSA

Data view ▾
Area profiles

Legend | **Benchmark** | More options

- England
- All in NHS Cheshire and Merseyside Integrated Care Board - QYG
- Benchmark against goals

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.

AMR local indicators - produced by the UKHSA

Data view: Overview

Geography: ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic: Antimicrobial Resistance

Legend | Benchmark | More options

Display: Values | Trends | Values & Trends

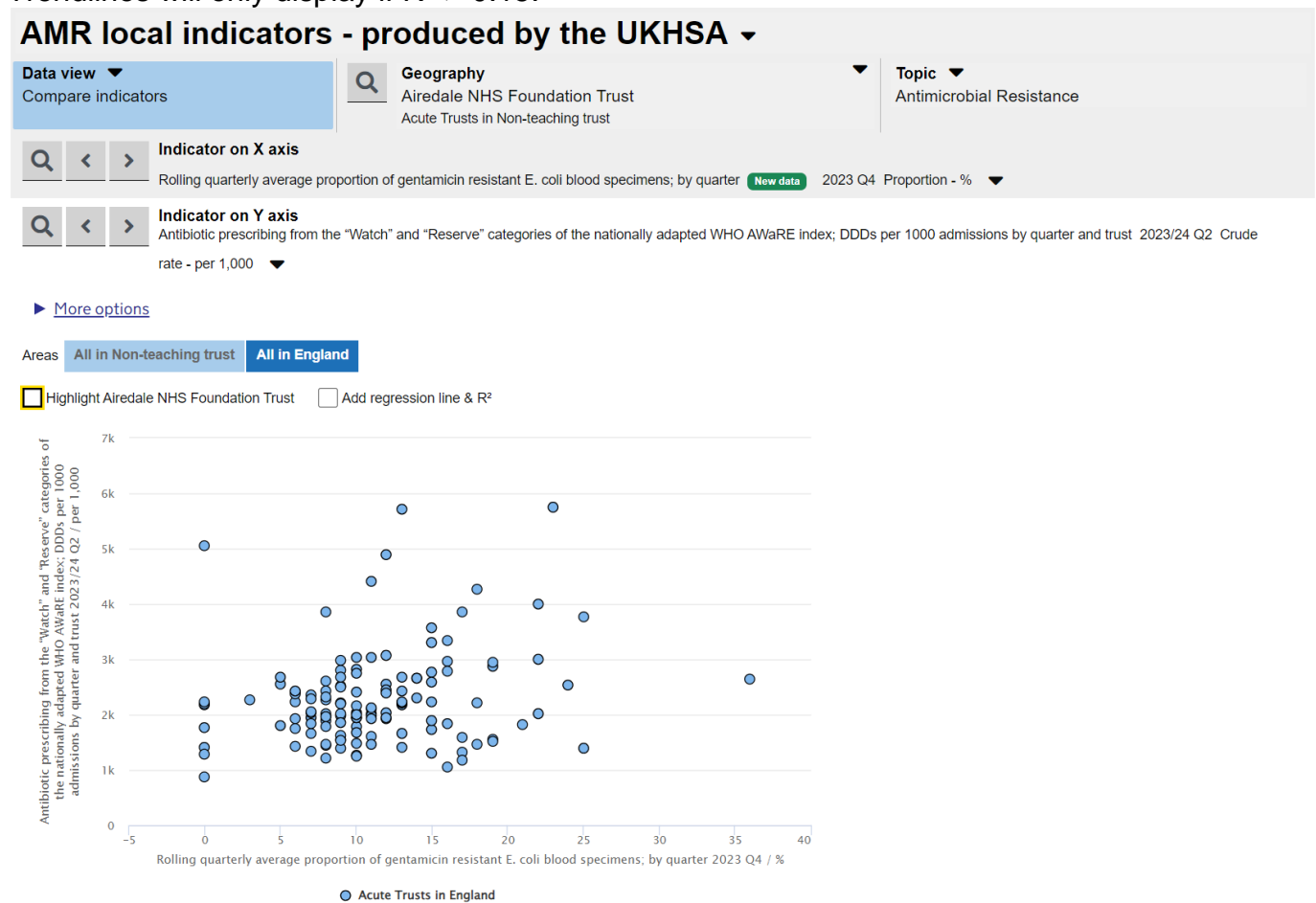
Indicator	Period	England	NHS Cheshire and Merseyside Integr...	Cheshire and Merseyside ICB - 01F...	Cheshire and Merseyside ICB - 01J...	Cheshire and Merseyside ICB - 01T...	Cheshire and Merseyside ICB - 01V...	Cheshire and Merseyside ICB - 01X...	Cheshire and Merseyside ICB - 02E...	Cheshire and Merseyside ICB - 12F...	Cheshire and Merseyside ICB - 27D...	Cheshire and Merseyside ICB - 99A...
Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter <small>New data</small>	2023 Q4	97.0	-	96.0	100	100	100	100	97.0	100	100	99.0
Percentage of E. coli blood specimens with susceptibility tests to a 3rd Generation Cephalosporin; by quarter <small>New data</small>	2023 Q4	97.0	-	100.0	97.0	93.0	95.0	100.0	97.0	100.0	98.0	94.0

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.

AMR local indicators - produced by the UKHSA ▾

Data view ▾
Map

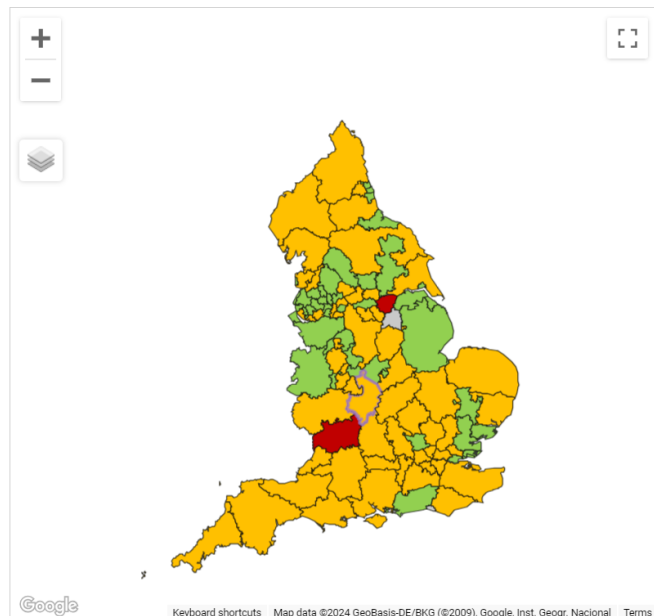
Geography
ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic ▾
Antimicrobial Resistance

Indicator
Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter New data 2023 Q4 Proportion - % ▾

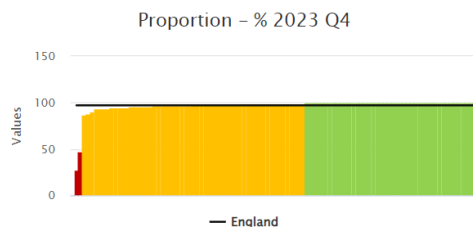
[Legend](#) [Benchmark](#) [More options](#)

Areas [All in NHS Cheshire and Merseyside Integrated Care Board - QYG](#) [All in England](#)



Map colour [Comparison to benchmark](#) ▾
Select areas on the map to see values here

Download chart image



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.

AMR local indicators - produced by the UKHSA

Data view: Trends

Geography: Cheshire and Merseyside ICB - 01F
ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

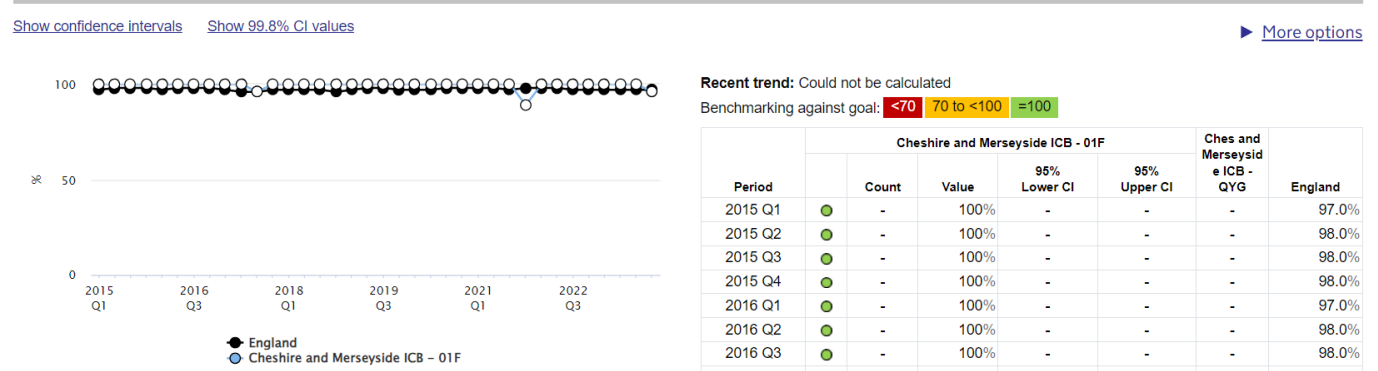
Topic: Antimicrobial Resistance

Indicator: Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter

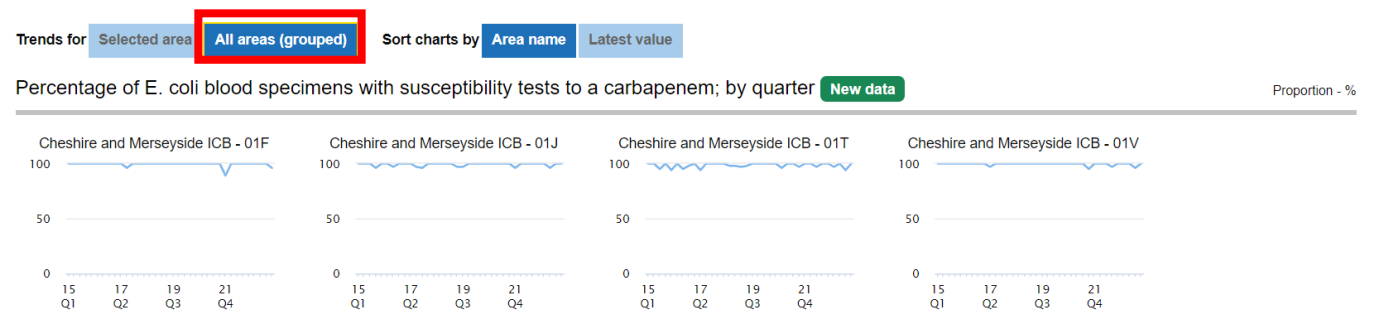
Legend | Benchmark

Trends for: Selected area | All areas (grouped) | Display: Selected indicator | All indicators

Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter



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.

AMR local indicators - produced by the UKHSA

Data view: Compare areas

Geography: ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic: Antimicrobial Resistance

Indicator: Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter New data 2023 Q4 Proportion - %

[Legend](#) [Benchmark](#) [More options](#)

Areas: **All in NHS Cheshire and Merseyside Integrated Care Board - QYG** **All in England** Display **Table** Table and chart Benchmarking against goal: <70 70 to <100 =100

[Show 99.8% CI values](#)

Area	Recent Trend	Count	Value	95% Lower CI	95% Upper CI
England	→	-	97.0	-	-
NHS Cheshire and Merseyside Integrated Care Board - QYG	-	-	-	-	-
Cheshire and Merseyside ICB - 27D	-	-	100	-	-
Cheshire and Merseyside ICB - 12F	-	-	100	-	-
Cheshire and Merseyside ICB - 01X	-	-	100	-	-
Cheshire and Merseyside ICB - 01V	-	-	100	-	-
Cheshire and Merseyside ICB - 01T	-	-	100	-	-
Cheshire and Merseyside ICB - 01J	-	-	100	-	-
Cheshire and Merseyside ICB - 99A	-	-	99.0	-	-
Cheshire and Merseyside ICB - 02E	-	-	97.0	-	-
Cheshire and Merseyside ICB - 01F	-	-	96.0	-	-

Source: Routine voluntary laboratory surveillance reports to the UK Health Security Agency via the second generation surveillance system (SGSS); Antimicrobial testing data module

[Indicator Definitions and Supporting Information](#)

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.

AMR local indicators - produced by the UKHSA

Data view: Area profiles

Geography: Cheshire and Merseyside ICB - 01F
ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic: Antimicrobial Resistance

Legend: **Benchmark** More options

- England
- All in NHS Cheshire and Merseyside Integrated Care Board - QYG
- Benchmark against goals

Indicator	Period	Cheshire and Merseyside ICB - 01F		ICBs	England	Worst/Lowest	Range	Best/Highest
		Recent Trend	Count	Value	Value	Value		
Percentage of tests to a carbapenem; by quarter	2023 Q4	-	-	96.0%	-	97.0%	28.0%	100%
Percentage of tests to a 3rd Generation Cephalosporin; by quarter	2023 Q4	-	-	100.0%	-	97.0%	22.0%	100.0%
Percentage of E. coli blood specimens with susceptibility tests to ciprofloxacin; by quarter	2023		

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.

AMR local indicators - produced by the UKHSA ▾

Data view ▾
Definitions

Geography
ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic ▾
Antimicrobial Resistance

Indicator
Percentage of *E. coli* blood specimens with susceptibility tests to a carbapenem; by quarter New data Proportion - % ▾

Indicator Definitions and Supporting Information

Indicator ID	92021
Date updated	03 April 2024 New data
Indicator	Percentage of <i>E. coli</i> blood specimens with susceptibility tests to a carbapenem; by quarter
Rationale	<p>This indicator demonstrates the proportion of initial specimens (first identified patient <i>E. coli</i> 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.</p> <p>Testing by ICB sub-location has been graded to green (100% of initial <i>E. coli</i> 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).</p>
Definition	<p>Percentage of <i>E. coli</i> blood specimens (from voluntary English laboratory surveillance) with susceptibility tests to a carbapenem; by ICB sub-location and by Quarter (2015 Q1 onwards).</p> <p>The testing of <i>E. coli</i> 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</p> <p>For this indicator, a higher value is indicative of increased carbapenem susceptibility testing.</p>

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.

AMR local indicators - produced by the UKHSA ▾

Data view ▾
Download

Geography
ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic ▾
Antimicrobial Resistance

Indicator
Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter New data 2023 Q4 Proportion - % ▾

Get the data

Download indicator data and definitions in CSV format

Profile: AMR local indicators - produced by the UKHSA

[Data for Sub-ICB, former CCGs](#)

[Data for Sub-ICB, former CCGs in NHS Cheshire and Merseyside Integrated Care Board - QYG](#)

[Indicator definitions](#)

Topic: Antimicrobial Resistance

[Data for Sub-ICB, former CCGs](#)

[Data for Sub-ICB, former CCGs in NHS Cheshire and Merseyside Integrated Care Board - QYG](#)

[Indicator definitions](#)

Indicator: Percentage of E. coli blood specimens with susceptibility tests to a carbapenem; by quarter

[Data for Sub-ICB, former CCGs](#)

[Data for Sub-ICB, former CCGs in NHS Cheshire and Merseyside Integrated Care Board - QYG](#)

[Data for all area types](#)

[Indicator definition](#)

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).

AMR local indicators - produced by the UKHSA ▾

Data view ▾
Area profiles

Geography
Cheshire and Merseyside ICB - 01F
ICB sub-locations in NHS Cheshire and Merseyside Integrated Care Board - QYG

Topic ▾
Antimicrobial Resistance

[Legend](#) [Benchmark](#) **More options**

Download image ⓘ
Download CSV
 Only show data updated in the past 3 months

Period	Cheshire and Merseyside ICB - 01F		ICBs	England		England	
	Recent Trend	Count	Value	Value	Value	Worst/Lowest	Range
2023	-	-	96.0%	-	97.0%	28.0%	100%

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](#).

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