

What this file contains:

Table 11a: Monthly count of *Clostridium difficile* infection from August 2017 to August 2018 by NHS Trust (see below).
Table 11b: Archive of monthly counts of *Clostridium difficile* infection from April 2017 to March 2018 by NHS Trust (see below).
Updated twice yearly.

WARNING: The archive contains FY 2017/18 data extracted in March 2018 leading to differences between the counts in tables 11a and 11b. The most current data will always be in table 11a

What this data shows:

A monthly count of total reported, Healthcare Onset Healthcare Associated (HOHA), Community Onset Healthcare Associated, (COHA) Community Onset Indeterminate Association (COIA) and Community Onset Community Associated (COCA) *Clostridium difficile* infections (CDI) by NHS acute Trust for the last 13 month's values so that the figure for the same month in the previous year is also shown.

The trend in the number of CDI in a Trust over a series of months.

Please note cases are published and categorised based upon their data at the time of extraction. Changes and updates to the data after this date will be reflected in the next publication.

What this data does not provide:

A basis for reliable month on month comparisons in *C. difficile* infection counts. Users of these data should exercise caution when comparing data between different months. Fluctuations in the data can occur for a number of reasons and high fluctuations may not necessarily indicate an outbreak - for instance, organisational changes, variations in the patient populations being treated and seasonality can also cause large variation in counts. Consideration of the numbers without the context cannot indicate the reasons or the significance of the fluctuations.

A basis for decisions on the clinical effectiveness of infection control interventions in individual Trusts: further investigations considering potential confounders would need to be undertaken before this could be done.

A basis for comparisons between Trusts. The counts of infections have not been adjusted to give a standardised rate considering factors such as the hospital demographics or case mix.

Categorisation of cases

All CDI reported via the HCAl Data Capture System (DCS) are categorised to be one of HOHA, COHA, COIA or COCA through the completion of various data fields, including the location of the patient at the time the positive specimen was collected, the patient category at the time the positive specimen was collected and their prior healthcare interactions at the same Trust that has reported the CDI in the 12 weeks prior to the date that the positive specimen was collected.

A case is deemed to be **HOHA** if the following rules are met:

The location where the specimen was taken is given as 'Acute Trust' or is not known;

The patient was either an 'In-patient', 'Day-patient', in 'Emergency assessment' or is not known;

Patient's specimen date is on, or after, the third day of the admission (or admission date is null), where the day of admission is day 1.

Please note the number of cases categorised as HOHA may differ from the number of cases that would previously have been deemed to be acute Trust cases under the previous Trust apportionment algorithm. This change reflects a change in methodology of categorisation, rather than any change in Trust performance, as Trust apportioned cases had a specimen date on or after the fourth day of the admission (or admission is null), where the day of admission is day 1; while the current categorisation methodology this is on, or after, the third day of the admission (or admission date is null), where the day of admission is day 1.

All cases which are not HOHA are Community Onset. For the case to be deemed as not HOHA, **any** of the following rules could have been met:

The patient was either an 'In-patient', 'Day-patient', in 'Emergency assessment' or is not known at an acute Trust but had not been admitted to the acute Trust for ≥3 days at the time their positive specimen was collected, or

The patient was not an 'In-patient', 'Day-patient' or in 'Emergency assessment' at the time their positive specimen was collected, or

The patient was not at acute Trust at the time their positive specimen was collected.

Patients with a community onset CDI are further stratified into the following three groups, COHA, COIA and COCA.

A case is deemed to be **COHA** when the patient was not HOHA but had been an inpatient at the same acute Trust in the 4 weeks prior to the date that their positive specimen was collected.

A case is deemed to be **COIA** when the patient was not HOHA or COHA, but had been an inpatient at the same acute Trust in the 12 weeks prior to the date that their positive specimen was collected (i.e. between 4 and 12 weeks prior to their positive specimen).

A case is deemed to be **COCA** when the patient has not been an inpatient at the same acute Trust in the 12 weeks prior to the date that their positive specimen was collected.

Data source

Data were extracted from the PHE's data capture system on XXth September 2018.

Data are collected at Trust level.

Data are reported for 154 NHS acute Trusts in England.

Cases are reported by the Trust whose laboratory processes the specimen, which may not always reflect where the MRSA bacteraemia was acquired.

Key to Trust type (as at May 2016)

FT – Foundation Trust

Data Changes

Data changes

The nature of the data collection means that NHS acute Trusts are able to request updates to their data at any time. Further information on the process necessary for an acute Trust to request such changes can be found here:

https://hcaidcs.phe.org.uk/ContentManagement/LinksAndAnnouncements/HCAIDCS_System_Administration%20_Unlock_Requests_UserGuide_V2.0.pdf

This process means that there are frequently minor changes/additions to the most recent three data months in future publications. Affected data months are italicised in the data table to indicate where such revisions may occur. Any changes and updates to data the previous monthly publication are coloured red.

Trust sign off

All NHS acute Trusts Chief Executives are required to sign off their MRSA bacteraemia data for a given month on the 15th of the following month. Sign off is used to ensure the quality and accuracy of submitted data. Failure to sign off can be indicative of missing data and/or an associated data quality problem.

Key to Trust type (as at May 2015)

FT – Foundation Trust

Further information

Further information on the underlying epidemiology and associated demographic information can be found here:
Quarterly Epidemiological Commentary:

<https://www.gov.uk/government/statistics/mrsa-mssa-and-e-coli-bacteraemia-and-c-difficile-infection-quarterly-epidemiological-commentary>

Annual Epidemiological Commentary:

<https://www.gov.uk/government/statistics/mrsa-mssa-and-e-coli-bacteraemia-and-c-difficile-infection-annual-epidemiological-commentary>

Contact us

For queries relating to this document, please contact: mandatory.surveillance@phe.gov.uk