

***Clostridium difficile* infection, *Escherichia coli* bacteraemia, *Staphylococcus aureus* bacteraemia and Surgical Site Infection in Scotland**

January to March (Q1) 2018

An Official Statistics publication for Scotland

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About this release

This release by Health Protection Scotland (HPS) provides a commentary on quarterly epidemiological data in Scotland for the following:

- *Clostridium difficile* infection
- *Escherichia coli* bacteraemia
- *Staphylococcus aureus* bacteraemia
- Surgical Site Infection

Main Points

***Clostridium difficile* infection (CDI) during January to March 2018**

- The total number of CDI cases in patients reported to HPS was 314.
- 217 CDI cases were reported to HPS as healthcare associated. This corresponds to an incidence rate of 13.7 cases per 100,000 total occupied bed days (TOBDs).
- 97 CDI cases were reported as community associated. This corresponds to an incidence rate of 7.3 cases per 100,000 population.
- NHS Dumfries & Galloway were identified as an exception for healthcare-associated CDI.
- NHS Highland was identified as an exception for community-associated CDI.

***Escherichia coli* bacteraemia (ECB) during January to March 2018**

- The total number of ECB cases in patients reported to HPS was 1,101.
- 524 ECB cases were reported to HPS as healthcare associated. This corresponds to an incidence rate of 33.1 cases per 100,000 TOBDs.
- 577 ECB cases were reported as community associated. This corresponds to an incidence rate of 43.1 cases per 100,000 population.
- No NHS Boards were above the 95% confidence interval upper limit this quarter for healthcare associated ECB.
- NHS Lanarkshire was identified as an exception for community-associated ECB.

Staphylococcus aureus bacteraemia (SAB) during January to March 2018

- The total number of SAB cases in patients reported to HPS was 431.
- 296 SAB cases were reported to HPS as healthcare associated. This corresponds to an incidence rate of 18.7 cases per 100,000 TOBDs.
- 135 SAB cases were reported as community associated. This corresponds to an incidence rate of 10.1 cases per 100,000 population.
- No NHS Boards were above the 95% confidence interval upper limit in the funnel plot analysis.
- No NHS Boards were above normal variation this quarter when analysing trends over the past three years.

Surgical Site Infection (SSI) during January to March 2018

- 62 SSIs following 3,977 caesarean section procedures were reported to HPS, detected either during inpatient stay or by post discharge surveillance to day 10, this corresponds to an incidence of 1.6%.
- 16 SSIs following 2,006 hip arthroplasty procedures were reported to HPS, detected either during inpatient stay or on readmission to day 30, this corresponds to an incidence of 0.8%.
- No NHS Boards were above the 95% confidence interval upper limit this quarter in the funnel plot for caesarean section and hip arthroplasty.
- NHS Lothian was identified as an exception for hip arthroplasty procedures.

Background

HPS has been supporting NHS Boards to help analyse their data and review their prevention and control measures. Appropriate local monitoring, antimicrobial prescribing and implementation of infection prevention and control precautions at both hospital and community levels are key to maintaining and reducing infection rates.

Please see [News and Updates section](#) of our website for more details.

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Further Information

Find out more in the [full report](#). The data from this publication is available to download [from our web page](#) along with a [background information](#) and [metadata](#) document.

For more information on types of infections included in this report see the [Scottish Surveillance of Healthcare Associated Infection Programme \(SSHAIP\) section of our website](#). For related topics, please see the [CDI](#), [ECB](#), [SAB](#) and [SSI](#) pages

The next release of this publication will be October 2018.



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