Borders NHS Board



Meeting Date: 3 December 2020

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HEALTHCARE ASSOCIATED INFECTION PREVENTION AND CONTROL REPORT October 2020

Purpose of Report:

The purpose of this paper is to update Board members on the current status of Healthcare Associated Infections (HAI) and infection control measures in NHS Borders.

Recommendations:

The Board is asked to **note** this report.

Approval Pathways:

The format of this report is in accordance with Scottish Government requirements for reporting HAI to NHS Boards. This report has not been submitted to any prior groups or committees but much of the content will be presented to the Clinical Governance Committee.

Executive Summary:

This report provides an overview for Borders NHS Board of infection prevention and control with particular reference to the incidence of Healthcare Associated Infections (HAI) against Scottish Government targets for infection control.

The report provides updates on:-

- ➤ NHS Borders infection surveillance against Scottish Government targets including S.aureus bacteraemia, C.difficile infections and E.coli bacteraemia
- Cleanliness monitoring, hand hygiene and the Infection Control compliance monitoring programme
- Infection Control work plan
- ➤ COVID-19 update

Impact of item/issues on:	
Strategic Context	This report is in line with the NHS Scotland HAI Action
	Plan.
Patient Safety/Clinical Impact	Infection prevention and control is central to patient
	safety
Staffing/Workforce	Infection Control staffing issues are detailed in this
	report.

Finance/Resources	This assessment has not identified any resource
	implications.
Risk Implications	All risks are highlighted within the paper.
Equality and Diversity	This is an update paper so a full impact assessment is
	not required.
Consultation	This is a regular bi-monthly update as required by
	SGHD. As with all Board papers, this update will be
	shared with the Area Clinical Forum for information.
Glossary	See Appendix A.

Healthcare Associated Infection Reporting Template (HAIRT)

Section 1- Board Wide Issues

Key Healthcare Associated Infection Headlines for August 2020

• NHS Borders had a total of 13 *Staphylococcus aureus* Bacteraemia (SAB) cases between April and September 2020, 7 cases were **healthcare associated** infections.

The target set by the Scottish Government target is for each Board to achieve a 10% reduction in the healthcare associated SAB rate per 100,000 Total Occupied Bed Days (TOBDs) by 2021/22 (using 2018/19 as the baseline).

To achieve this target, NHS Borders should have no more than 19 **healthcare associated** SAB cases per year. NHS Borders is on target to achieve this.

 NHS Borders had a total of 9 C. difficile Infection (CDI) cases between April and September 2020, 6 of which were healthcare associated infections.

The Scottish Government has set a target for each Board to achieve a 10% reduction in the healthcare associated CDI rate per 100,000 bed days by 2021/22 (using 2018/19 as the baseline). Healthcare associated in this context includes hospital acquired infections and healthcare associated infections.

To achieve this target, NHS Borders should have no more than 11 **healthcare associated** cases per year. NHS Borders is not on target to achieve this. This target is particularly challenging for NHS Borders due to the low infection rate during our baseline period of 2018-19 when our incidence rate was 10.4 compared with a Scottish incidence rate of 14.7 for healthcare associated CDI cases.

NHS Borders had a total of 42 *E. coli* Bacteraemia cases between April and August 2020, 27 of which were **healthcare associated**. A new target has been published for each Board to achieve a 25% reduction in the **healthcare associated** *E. coli* Bacteraemia rate per 100,000 bed days by 2021/22 with a total reduction of 50% by 2023/24 (using 2018/19 as the baseline).

To achieve this target, NHS Borders should have no more than 32 healthcare associated cases per year by 2021/22 and no more than 21 healthcare associated cases per year by 2023/24. NHS Borders is not on target to achieve this.

The biggest risk factor for patients in relation to E. coli Bacteraemia is Catheter Associated Urinary Tract Infection (CAUTI). COVID activity has been prioritised by the Infection Control Team over the last few months and this continues to impact on capacity for improvement activity associated with CAUTI. A meeting of the CAUTI Group is being scheduled for early December 2020.

Staphylococcus aureus Bacteraemia (SAB)

See Appendix A for definition.

Between April and September 2020, there have been 12 cases of Meticillin-sensitive *Staphylococcus aureus* (MSSA) bacteraemia and 1 case of Meticillin-resistant *Staphylococcus aureus* (MRSA) bacteraemia.

Figure 1 shows a Statistical Process Control (SPC) chart showing the number of days between each SAB case. The reason for displaying the data in this type of chart is due to SAB cases being rare events with low numbers each month.

Traditional charts which show the number of cases per month can make it more difficult to spot either improvement or deterioration. These charts highlight any statistically significant events which are not part of the natural variation within our health system.

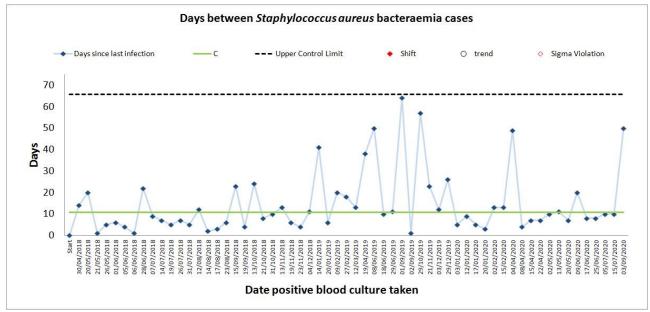


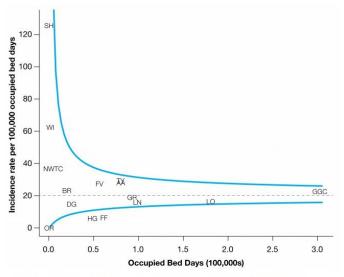
Figure 1: NHS Borders days between SAB cases (April 2018 – September 2020)

In interpreting Figure 1, it is important to remember that as this graph plots the number of days between infections, we are trying to achieve performance above the green average line.

The graph shows that there have been no statistically significant events since the last Board update.

Health Protection Scotland produces quarterly reports showing infection rates for all Scottish Boards. Figure 2 below shows the most recently published data as a funnel plot of <u>healthcare associated</u> SAB cases as rates per 100,000 Total Occupied Bed Days (TOBDs) for all NHS boards in Scotland in Quarter 2 (Apr – Jun 2020).

During this period, NHS Borders (BR) had a rate of 23.2. The Scottish average rate is 20.3.



Key to NHS Boards

AA = Ayrshire & Arran

BR = Borders

DG = Dumfries & Galloway

FV = Forth Valley

GR = Grampian

GGC = Greater Glasgow & Clyde

HG = Highland

LN = Lanarkshire

LO = Lothian

NWTC = National Waiting Times Centre

OR = Orkney

SH = Shetland

TY = Tayside

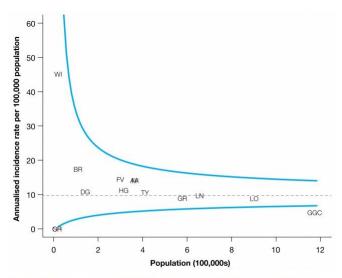
WI = Western Isles

1. Source of data is Electronic Communication of Surveillance in Scotland (ECOSS) & Total occupied bed days: Information Services Division
2. NHS Ayrshire & Arran and NHS Tayside overlap.

Figure 2: Funnel plot of SAB incidence rates (per 100,000 TOBD) in healthcare associated infection cases for all NHS Boards in Scotland in Q2 2020

A funnel plot chart is designed to distinguish natural variation from statistically significant outliers. The funnel narrows on the right of the graph as the larger health Boards will have less fluctuation in their rates due to greater Total Occupied Bed Days. Figure 2 shows that NHS Borders was within the blue funnel, which means that it is not a statistical outlier but we are above the Scottish average rate due to natural variation.

Figure 3 below shows a funnel plot of community associated SAB cases as rates per 100,000 population for all NHS boards in Scotland in Q2 2020.



1. Source of data is Electronic Communication of Surveillance in Scotland (ECOSS) & NRS mid-

NHS Orkney and NHS Shetland overlap as do NHS Ayrshire & Arran and NHS Fife.

Figure 3: Funnel plot of SAB incidence rates (per 100,000 population) in community associated infection cases for all NHS Boards in Scotland in Q2 2020

During this period NHS Borders (BR) had a rate of 17.4 which was above the Scottish average rate of 9.7 but we are not a statistical outlier from the rest of Scotland.

Clostridium difficile infections (CDI)

See Appendix A for definition.

Figure 4 below shows a Statistical Process Control (SPC) chart showing the number of days between each CDI case. As with SAB cases, the reason for displaying the data in this type of chart is due to CDI cases being rare events with low numbers each month.

The graph shows that there have been no statistically significant events since the last Board update.

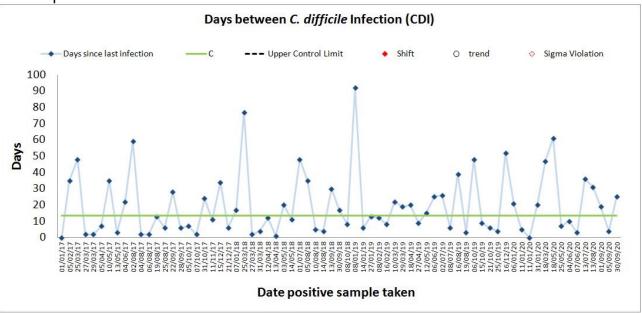
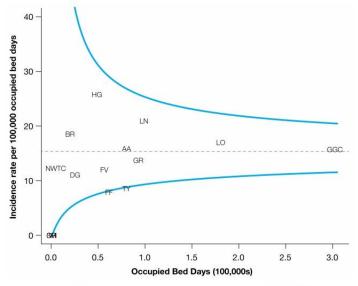


Figure 4: NHS Borders days between CDI cases (January 2017 – September 2020)

Health Protection Scotland produces quarterly reports showing infection rates for all Scottish Boards. Figure 5 below shows a funnel plot of CDI incidence rates (per 100,000 TOBD) in healthcare associated infection cases for all NHS Boards in Scotland in Q2 2020.



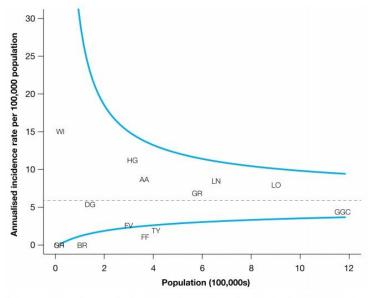
- 1. Source of data is Electronic Communication of Surveillance in Scotland (ECOSS) & Total
- occupied bed days: Information Services Division ISD(S)1.

 2. NHS Orkney, NHS Shetland and NHS Western Isles overlap.

Figure 5: Funnel plot of CDI incidence rates (per 100,000 TOBD) in healthcare associated infection cases for all NHS Boards in Scotland in Q2 2020

The graph shows that NHS Borders (BR) had a rate of 18.5 which is above the Scottish average rate of 15.4; however we are not a statistical outlier from the rest of Scotland.

Figure 6 below shows a funnel plot of CDI incidence rates (per 100,000 population) in <u>community associated</u> infection cases for all NHS Boards in Scotland in Q2 2020.



- 1. Source of data is Electronic Communication of Surveillance in Scotland (ECOSS) & NRS mid-
- year population estimates.

 2. NHS Orkney and NHS Shetland overlap.

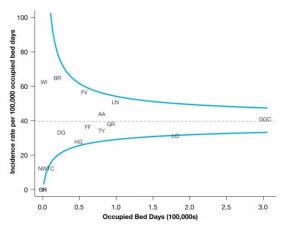
Figure 6: Funnel plot of CDI incidence rates (per 100,000 population) in community associated infection cases for all NHS Boards in Scotland in Q2 2020

The graph shows that NHS Borders (BR) had a rate of 0 which is below the Scottish average rate of 5.9.

Escherichia coli (E. coli) Bacteraemia (ECB)

Health Protection Scotland produces quarterly reports showing infection rates for all Scottish Boards. Figure 7 below shows a funnel plot of ECB incidence rates (per 100,000 TOBD) in healthcare associated infection cases for all NHS Boards in Scotland in Q2 2020. NHS Borders (BR) had a rate of 64.9 for healthcare associated infection cases which is above the Scottish average rate of 39.7; however, we are not a statistical outlier from the rest of Scotland.

Figure 8 below shows a funnel plot of ECB incidence rates (per 100,000 population) in <u>community associated</u> infection cases for all NHS Boards in Scotland in Q2 2020. NHS Borders (BR) had a rate of 24.4 for community associated infection cases which is below the Scottish average rate of 35.9. It is worth noting that community acquired ECB cases had no healthcare intervention prior to the positive blood culture being taken.



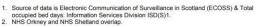
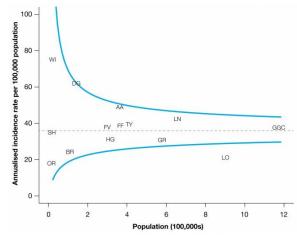




Figure 7: Funnel plot of ECB incidence rates (per 100,000 TOBD) in healthcare associated infection cases for all NHS Boards in Scotland in Q2 2020



Source of data is Electronic Communication of Surveillance in Scotland (ECOSS) & NRS mid-

Figure 8: Funnel plot of ECB incidence rates (per 100,000 population) in community associated infection cases for all NHS Boards in Scotland in Q2 2020

NHS Borders Surgical Site Infection (SSI) Surveillance

The Scottish Government updated the requirements for HAI surveillance on the 25th of March 2020. In light of the prioritisation of COVID-19 surveillance, all mandatory and voluntary surgical site infection surveillance has been paused from this date. Mandatory surveillance of E.coli bacteraemia, Staphylococcus aureus bacteraemia and C. difficile Infections has continued but as light surveillance only.

Hand Hygiene

Non-submission of self-audit hand hygiene data has been an issue since recommencing the audits in July 2020. We are continuing to encourage ward staff to submit their monthly data and reminders are sent to the Senior Charge Nurse and Clinical Nurse Manager of each area every month. A revised escalation process will be implemented from November 2020. The importance of strict hand hygiene continues to be promoted as part of the COVID-19 precautions aimed at patients, staff and members of the public.

Infection Prevention and Control Compliance Monitoring Programme

Following prioritisation of work related to COVID-19 during the beginning of 2020, the SICP's Audit Programme was temporarily paused. A full review of the audit tool was completed in September 2020 to ensure all key areas are incorporated. NHS Borders has developed a risk-based infection control SICPs audit schedule which takes account of clinical activity and patient risk factors to determine the locations to be audited.

In accordance with the HAI Standards, the audit process includes feedback to clinical staff, feed-forward to leadership teams, and follow-up of issues identified. Following each SICPs audit, the SCN receives the audit score, a breakdown of compliance and an action plan to complete within 28 days.

On-site clinical infection control capacity has reduced since the beginning of October at the same time as an increase in COVID-19 related clinical activity which has impacted on the ability to deliver the planned programme of audits. Full SICPs audits have been suspended again. Spot checks are continuing and are prioritised by location taking account of previous outcomes.

A revised spot check tool is now in use which provides a more risk-based approach to spot checks. The tool has been designed to make reporting more useful and proportionate with compliance reported as a percentage to enable greater focus and support for wards where there are genuine concerns.

Cleaning and the Healthcare Environment

For supplementary information see Appendix A.

The data presented within the NHS Borders Report Card (Section 2 p.12) is an average figure across the sites using the national cleaning and estates monitoring tool that was implemented in April 2012. All areas met the Health Facilities Scotland national target of 90%.

2020/21 Infection Control Workplan

The Infection Prevention and Control Team continue to progress actions from the 2020-21 workplan; however, due to the prioritisation of COVID-19 management, it has been recognised by the Infection Control Committee that full completion of the workplan by March 2021 may not be achievable.

Outbreaks

• COVID-19

Figure 9 shows positive COVID-19 cases per week in the Scottish Borders since 7th February 2020. As at 31st October 2020, there have been a total of 727 cases. Figure 10 shows the total number of people tested per week and total of which were positive.

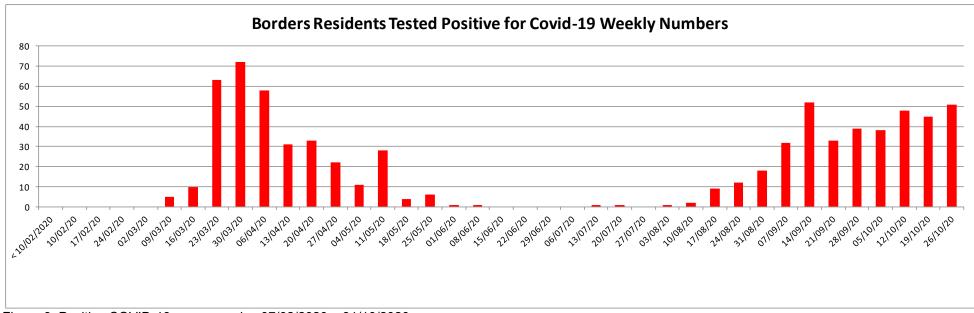


Figure 9: Positive COVID-19 cases per day 07/02/2020 - 31/10/2020

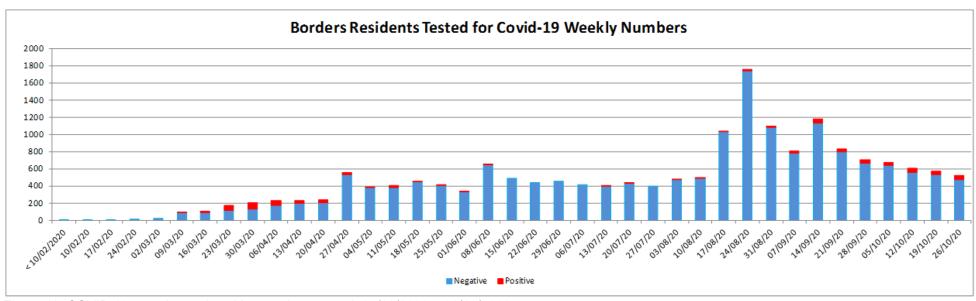


Figure 10: COVID-19 negative and positive results per week 07/02/2020 – 31/10/2020

<u>Infection Prevention and Control Team Capacity</u>
Recruitment is currently progressing to appoint 2.0wte additional infection control nurses on a permanent basis. Following recruitment and training, this additional capacity will enable a single Infection Control Team to provide support across acute, mental health and community health and social care sectors.

Healthcare Associated Infection Reporting Template (HAIRT)

Section 2 – Healthcare Associated Infection Report Cards

The following section is a series of 'Report Cards' that provide information, for each acute hospital and key community hospitals in the Board, on the number of cases of *Staphylococcus aureus* blood stream infections (also broken down into MSSA and MRSA) and *Clostridium difficile* infections, as well as hand hygiene and cleaning compliance. In addition, there is a single report card which covers all community hospitals [which do not have individual cards], and a report which covers infections identified as having been contracted from out with hospital. The information in the report cards is provisional local data, and may differ from the national surveillance reports carried out by Health Protection Scotland and Health Facilities Scotland. The national reports are official statistics which undergo rigorous validation, which means final national figures may differ from those reported here. However, these reports aim to provide more detailed and up to date information on HAI activities at local level than is possible to provide through the national statistics.

Understanding the Report Cards – Infection Case Numbers

Clostridium difficile infections (CDI) and Staphylococcus aureus bacteraemia (SAB) cases are presented for each hospital, broken down by month. Staphylococcus aureus bacteraemia (SAB) cases are further broken down into Meticillin Sensitive Staphylococcus aureus (MSSA) and Meticillin Resistant Staphylococcus aureus (MRSA). More information on these organisms can be found on the NHS24 website:

Clostridium difficile: http://www.nhs24.com/content/default.asp?page=s5_4&articleID=2139§ionID=1

Staphylococcus aureus: http://www.nhs24.com/content/default.asp?page=s5_4&articleID=346

MRSA: http://www.nhs24.com/content/default.asp?page=s5-4&articleID=252§ionID=1

For <u>each hospital</u> the total number of cases for each month are those which have been reported as positive from a laboratory report on samples taken <u>more than</u> 48 hours after admission. For the purposes of these reports, positive samples taken from patients <u>within</u> 48 hours of admission will be considered to be confirmation that the infection was contracted prior to hospital admission and will be shown in the "out of hospital" report card.

Targets

There are national targets associated with reductions in C.diff and SABs. More information on these can be found on the Scotland Performs website:

http://www.scotland.gov.uk/About/Performance/scotPerforms/partnerstories/NHSScotlandperformance

Understanding the Report Cards – Hand Hygiene Compliance

Hospitals carry out regular audits of how well their staff are complying with hand hygiene. Each hospital report card presents the combined percentage of hand hygiene compliance with both opportunity taken and technique used broken down by staff group.

Understanding the Report Cards - Cleaning Compliance

Hospitals strive to keep the care environment as clean as possible. This is monitored through cleaning and estates compliance audits. More information on how hospitals carry out these audits can be found on the Health Facilities Scotland website:

http://www.hfs.scot.nhs.uk/online-services/publications/hai/

Understanding the Report Cards - 'Out of Hospital Infections'

Clostridium difficile infections and Staphylococcus aureus (including MRSA) bacteraemia cases are associated with being treated in hospitals. However, this is not the only place a patient may contract an infection. This total will also include infection from community sources such as GP surgeries and care homes. The final Report Card report in this section covers 'Out of Hospital Infections' and reports on SAB and CDI cases reported to a Health Board which are not attributable to a hospital.

NHS BORDERS BOARD REPORT CARD

Staphylococcus aureus bacteraemia monthly case numbers

	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
	2019	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
MRSA	1	0	0	0	0	0	0	1	0	0	0	0
MSSA	0	2	4	2	0	4	3	2	2	0	1	4
Total SABS	1	2	4	2	0	4	3	3	2	0	1	4

Clostridium difficile infection monthly case numbers

	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
	2019	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
Ages 15-64	0	0	2	0	0	0	0	0	1	0	1	0
Ages 65 plus	0	1	2	0	1	0	2	2	0	1	2	2
Ages 15 plus	0	1	4	0	1	0	2	2	1	1	3	2

Hand Hygiene Monitoring Compliance (%)

	Nov 2019	Dec 2019	Jan 2019	Feb 2020*	Mar 2020*	Apr 2020*	May 2020*	June 2020*	July 2020	Aug 2020	Sep 2020	Oct 2020
AHP	100	98	100	-	-	-	-	-	100	100	100	100
Ancillary	100	100	100	-	-	-	-	-	100	100	96	100
Medical	95	100	100	-	-	-	-	-	98.8	98.6	100	100
Nurse	98	99	100	-	-	-	-	-	99.4	99.4	99.5	100
Board Total	98	99	100	-	ı	-	ı	-	99.5	99.5	98.8	100.0

^{*}Self audit hygiene data reporting paused due to prioritisation of COVID-19 related work

Cleaning Compliance (%)

	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
	2019	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
Board Total	94.1	95.8	94.7	96.1	95.3	93.5	95.5	95.8	96.6	97.0	93.3	96.3

Estates Monitoring Compliance (%)

	Nov 2018	Dec 2018				Apr 2020	-		•	Aug 2020	Sep 2020	Oct 2020
Board Total	97.2	98.7	97.8	98.9	98.5	99.7	97.9	99.2	98.7	99.8	98.8	98.1

BORDERS GENERAL HOSPITAL REPORT CARD

Staphylococcus aureus bacteraemia monthly case numbers

	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	July 2020	Aug 2020	Sep 2020	Oct 2020
MRSA	0	0	0	0	0	0	0	0	0	0	0	0
MSSA	0	0	2	0	0	2	1	0	1	0	0	2
Total SABS	0	0	2	0	0	2	1	0	1	0	0	2

Clostridium difficile infection monthly case numbers

	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
	2019	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
Ages 15-64	0	0	0	0	0	0	0	0	0	0	1	0
Ages 65 plus	0	0	1	0	0	0	0	0	0	0	0	1
Ages 15 plus	0	0	1	0	0	0	0	0	0	0	1	1

Cleaning Compliance (%)

	Nov	Dec	Jan	Feb	Mar		_	June		_	Sep	Oct
	2019	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
Board Total	96.1	95.8	96.8	96.0	96.4	97.4	97.4	97.3	97.1	96.4	96.1	95.5

Estates Monitoring Compliance (%)

	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
	2019	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
Board Total	98.7	97.9	98.6	98.6	99.5	99.4	99.6	99.3	99.8	99.6	99.4	99.0

NHS COMMUNITY HOSPITALS REPORT CARD

The community hospitals covered in this report card include:

- Haylodge Community Hospital
- Hawick Community Hospital
- Kelso Community Hospital
- Knoll Community Hospital
- Melburn Lodge

Staphylococcus aureus bacteraemia monthly case numbers

	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	July 2020	Aug 2020	Sep 2020	Oct 2020
MRSA	0	0	0	0	0	0	0	0	0	0	0	0
MSSA	0	0	0	0	0	0	0	0	0	0	0	0
Total SABS	0	0	0	0	0	0	0	0	0	0	0	0

Clostridium difficile infection monthly case numbers

	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	July 2020	Aug 2020	Sep 2020	Oct 2020
Ages 15-64	0	0	0	0	0	0	0	0	0	0	0	0
Ages 65 plus	0	0	0	0	0	0	0	1	0	0	0	0
Ages 15 plus	0	0	0	0	0	0	0	1	0	0	0	0

NHS OUT OF HOSPITAL REPORT CARD

Staphylococcus aureus bacteraemia monthly case numbers

	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
	2019	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
MRSA	1	0	0	0	0	0	0	1	0	0	0	0
MSSA	0	2	2	2	0	2	2	2	1	0	1	2
Total SABS	1	2	2	2	0	2	2	3	1	0	1	2

Clostridium difficile infection monthly case numbers

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	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	July 2020	Aug 2020	Sep 2020	Oct 2020	
Ages 15-64	0	0	2	0	0	0	0	0	1	0	0	0	
Ages 65 plus	0	1	1	0	1	0	2	1	0	1	2	1	
Ages 15 plus	0	1	3	0	1	0	2	1	1	1	2	1	

Appendix A

Definitions and Supplementary Information

Staphylococcus aureus Bacteraemia (SAB)

Staphylococcus aureus is an organism which is responsible for a large number of healthcare associated infections, although it can also cause infections in people who have not had any recent contact with the healthcare system. The most common form of this is Meticillin Sensitive Staphylococcus Aureus (MSSA), but the more well known is MRSA (Meticillin Resistant Staphylococcus Aureus), which is a specific type of the organism which is resistant to certain antibiotics and is therefore more difficult to treat. More information on these organisms can be found at:

Staphylococcus aureus: http://www.nhs24.com/content/default.asp?page=s5 4&articleID=346

MRSA:http://www.nhs24.com/content/default.asp?page=s5 4&articleID=252

NHS Boards carry out surveillance of *Staphylococcus aureus* blood stream infections, known as bacteraemia. These are a serious form of infection and there is a national target to reduce them. The number of patients with MSSA and MRSA bacteraemia for the Board can be found at the end of section 1 and for each hospital in section 2. Information on the national surveillance programme for *Staphylococcus aureus* bacteraemia can be found at:

http://www.hps.scot.nhs.uk/haiic/sshaip/publicationsdetail.aspx?id=30248

Clostridium difficile infection (CDI)

Clostridium difficile is an organism which is responsible for a large number of healthcare associated infections, although it can also cause infections in people who have not had any recent contact with the healthcare system. More information can be found at:

http://www.nhs.uk/conditions/Clostridium-difficile/Pages/Introduction.aspx

NHS Boards carry out surveillance of *Clostridium difficile* infections (CDI), and there is a national target to reduce these. The number of patients with CDI for the Board can be found at the end of section 1 and for each hospital in section 2. Information on the national surveillance programme for *Clostridium difficile* infections can be found at:

http://www.hps.scot.nhs.uk/haiic/sshaip/ssdetail.aspx?id=277

Escherichia coli bacteraemia (ECB)

Escherichia coli (E. coli) is a bacterium that forms part of the normal gut flora that helps human digestion. Although most types of *E. coli* live harmlessly in your gut, some types can make you unwell. When it gets into your blood stream, *E. coli* can cause a bacteraemia. Further information is available here:

https://www.gov.uk/government/collections/escherichia-coli-e-coli-guidance-data-and-analysis

NHS Borders participate in the HPS mandatory surveillance programme for ECB. This surveillance supports local and national improvement strategies to reduce these infections and improve the outcomes for those affected. Further information on the surveillance programme can be found here:

https://www.hps.scot.nhs.uk/a-to-z-of-topics/escherichia-coli-bacteraemia-surveillance/

Hand Hygiene

Information on national hand hygiene monitoring can be found at:

http://www.hps.scot.nhs.uk/haiic/ic/nationalhandhygienecampaign.aspx

Good hand hygiene by staff, patients and visitors is a key way to prevent the spread of infections. More information on the importance of good hand hygiene can be found at:

http://www.washyourhandsofthem.com/

Cleaning and the Healthcare Environment

Keeping the healthcare environment clean is essential to prevent the spread of infections. NHS Boards monitor the cleanliness of hospitals and there is a national target to maintain compliance with standards above 90%. The cleaning compliance score for the Board can be found at the end of section 1 and for each hospital in section 2. Information on national cleanliness compliance monitoring can be found at:

http://www.hfs.scot.nhs.uk/online-services/publications/hai/

Healthcare environment standards are also independently inspected by the Healthcare Environment Inspectorate. More details can be found at:

http://www.nhshealthquality.org/nhsqis/6710.140.1366.html