

NHS Lothian

Board Meeting
4 February 2015

Executive Nurse Director

SUMMARY PAPER - HEALTHCARE ASSOCIATED INFECTION

This paper aims to summarise the key points in the full paper.

The relevant paragraph in the full paper is referenced against each point.

<ul style="list-style-type: none"> Progress against Health Efficiency Access Treatment Targets 	3.1
<ul style="list-style-type: none"> <i>Staphylococcus aureus</i> Bacteraemia (SAB): NHS Lothian's target by March 2015 is to achieve a rate of 0.24 per 1000 acute occupied bed days (≤ 184 incidences). The current rate is 0.33 (198 incidences) this breaches NHS Lothian Target. 	3.2
<ul style="list-style-type: none"> <i>Clostridium difficile</i> Infection (CDI): NHS Lothian's target by March 2015 is to achieve a rate of 0.32 per 1000 total occupied bed days (≤ 262 incidences). The current rate is 0.50 (311 incidences) this breaches NHS Lothian Target. New antimicrobial guidance to be issued on 2 February 2015. 	3.3
<ul style="list-style-type: none"> Norovirus outbreaks: since August 2014 there have been 36 incidents of gastro-enteritis investigated in NHS Lothian, with 180 patients and 35 staff affected. 	3.4
<ul style="list-style-type: none"> Ebola Preparedness: NHS Lothian as the Scottish National Viral Haemorrhagic Fever Testing Service has tested 8 samples, 7 negative 1 positive since December 2014. 	3.5
<ul style="list-style-type: none"> Antimicrobial Management Team: since November 2014 compliance with documentation of indication for an oral antibiotic has averaged 95% compliance but compliance with the UHS Antibiotic Prescribing Guidelines has varied from 70 to 100% for all three acute sites. 	3.6
<ul style="list-style-type: none"> Healthcare Environmental Inspectorate: Carried out an unannounced inspection at Western General Hospital in November 2014, report published 26 January 2015 with 8 requirements and 1 recommendation. 	3.7
<ul style="list-style-type: none"> Vale of Leven: The Inquiry Report published 24 November 2014 has 75 recommendations of the 65 for NHS Scotland Health Boards NHS Lothian has assessed 14 are fully implemented, 33 as Mostly implemented, 17 partially implemented and 1 not applicable. 	3.8

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HEALTHCARE ASSOCIATED INFECTION UPDATE

1 Purpose of the Report

1.1 The purpose of this report is to update the Board on progress and actions to manage and reduce Healthcare Associated Infection(HAI) across NHS Lothian. Any member wishing additional information should contact the Executive Nurse Director in advance of the meeting.

2 Recommendations

2.1 The Board is recommended to:

- acknowledge receipt of the Healthcare Associated Infection Reporting Template for December 2014. (Appendix 1)
- note NHS Lothian's *Staphylococcus aureus* Bacteraemia March 2015 target is a rate of 0.24 per 1000 bed days (≤ 184 incidences). The current rate is 0.33 (198 incidences) meaning that the target has been breached.
- note NHS Lothian's *Clostridium difficile* Infection target by March 2015 is to achieve a rate of 0.32 per 1000 bed days (≤ 262 incidences). The current rate is 0.50 (311 incidences) meaning the target has been breached.
- support the Antimicrobial Team activities in relation to Antimicrobial Prescribing Review and reduction of antimicrobials associated with *Clostridium difficile*.
- note NHS Lothian completion and submission to Scottish Government on the Vale of Leven Inquiry Reports 65 Health Board Level Recommendations
- acknowledge and support ongoing actions to address gaps identified within the response to Vale of Leven Inquiry recommendations
- note the publication on the 26th January of the Healthcare Environment Inspectorate report for the Western General Hospital 8 requirements and 1 recommendation

3 Discussion of Key Issues

3.1 Progress against Health Efficiency Access Treatment (HEAT) Targets March 2015

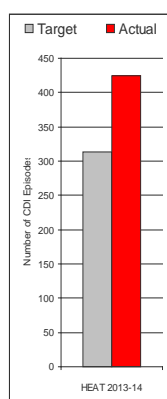


Figure 1: No. of CDI Episodes 2014-15

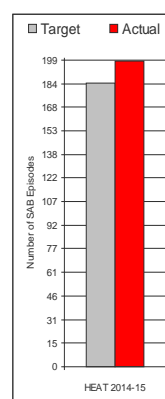


Figure 2: No. of SAB Episodes 2014-15

3.2 Staphylococcus aureus Bacteraemia: NHS Lothian's Health Efficiency Access Treatment Target is to achieve a rate of 0.24 cases or fewer per 1000 acute occupied bed days (≤ 184 incidences) by March 2015 with a current rate of 0.33. There were 19 episodes of *Staphylococcus aureus* Bacteraemia in December 2014 (1 Meticillin Resistant *Staphylococcus aureus*, 18 Meticillin Sensitive *Staphylococcus aureus*), compared to 27 in November 2014 (4 Meticillin Resistant *Staphylococcus aureus*, 23 Meticillin Sensitive *Staphylococcus aureus*).

Target Date	Target	Actual
Year Ending 31/3/2013	213	255
Year Ending 31/3/2014	219	243
Year Ending 31/3/2015	184	198

* Cumulative to date

3.2.1 Actions planned:

- Skin and Soft tissue Infection
 - NHS Education for Scotland Aseptic Technique and Wound Care sessions in the community and education for district nurses on wound management/ pressure ulcers by the Tissue Viability Nurses
- Vascular Access Device Infection
 - Awareness campaigns to support policy and safe practice (e.g. *Keep it on the RADAR Poster and Intranet messages*)
 - Patient Safety Care Bundles
 - HAI e-learning modules as part of Corporate Induction for Nursing Staff. For Medical Staff HAI Module will form part of FY1 cross border passport programme.
 - Clinical team monitor care bundles through Quality Improvement Data Systems
 - Pilot Aseptic Technique training within haematology services (Ward 8 WGH)
- Related to IV Drug Abuse
 - Multi-disciplinary team investigation into IVDU related infections associated with "legal highs"

3.3 Clostridium difficile Infection: NHS Lothian's Health Efficiency Access Treatment Target is to achieve a rate of 0.32 cases or fewer per 1000 total occupied bed days (≤ 262 incidences) by March 2015 in patients aged 15 and over, with a current rate of 0.50. There were 33 episodes of *Clostridium difficile* Infection in patients aged 15 or over in December 2014, compared to 33 in November 2014.

NHS Lothian is investigating an increased incidence of *Clostridium difficile* Infection in five wards at the Royal Infirmary of Edinburgh since 18 December 2014.

Target Date	Target	Actual
Year Ending 31/3/2013	418	364
Year Ending 31/3/2014	313	425
Year Ending 31/3/2015	262	311

* Cumulative to date

3.3.1 Actions Planned

- SLWG reviewing Infection control *Clostridium difficile* Infection control policy and associated documentation.
- There is a Short Life Working Group reviewing antimicrobial guidance with a focus on antimicrobials associated with increased risk of *Clostridium difficile* infection. The new guidance is scheduled for release in February 2015.

- 3.4 Norovirus: since August 2014 there have been 36 incidents of gastro-enteritis investigated in NHS Lothian, with 180 patients and 35 staff affected. In comparison for the same period for season 2013/14 there have been 49 incidents of gastro-enteritis investigated in NHS Lothian, with 342 patients and 96 staff affected. There have been 183 bed days lost so far for season 2014/15, in comparison for the same period for season 2013/14 there have been 421 NHS Lothian bed days lost.
- 3.5 Ebola Preparedness: in response to the on-going outbreak of Ebola Virus Disease in Sierra Leone, Guinea and Liberia, NHS Lothian has planning meeting organised for table top exercise at the Western General Hospital on the 13 January 2015 and at the Royal Infirmary of Edinburgh on the 15 January 2015.
- 3.5.1 NHS Lothian is the host of the Scottish National Viral Haemorrhagic Fever Testing Service, which is based at Royal Infirmary of Edinburgh and commenced operations on 1 December 2014 replacing the requirement to transport Scottish specimens to the Rare & Imported Pathogens Laboratory at Porton Down, Wiltshire. To date, there have been 8 samples (from 8 patients) processed for the Scottish health boards (7 Ebola-negative and 1 Ebola-positive); the turn-around time for 'high possibility' samples is 6 hours from time of receipt at the Royal Infirmary of Edinburgh.
- 3.5.2 NHS Lothian have had 3 possible Ebola cases (2 'high possibility'; 1 'low possibility') and although tested negative at Scottish National Viral Haemorrhagic Fever Testing Service, the incidents entailed activation of local and national action plans, which worked well through a structured national public health approach that involved key local and national agencies.
- 3.6 Antibiotic Prescribing indicators: in clinical areas where Empirical Prescribing Indicators are measured, compliance with guidelines was below the target level for all three acute sites. Documentation of indication for antibiotic treatment was at or just below the target level for all sites and ranged from 82-100%. For surgical prophylaxis, the data collection has focused on colorectal surgery but as compliance with the Colorectal Surgical Prophylaxis Policy has been sustained at 100% compliance for over 12 months data collection is now focussing on caesarean sections from January 2015.

Since November 2014 compliance with documentation of indication for an oral antibiotic has averaged 95% compliance but compliance with the UHS Antibiotic Prescribing Guidelines has varied from 70 to 100% for all three acute sites. Documentation of intended duration of an oral antibiotic has averaged 73% compliance for all sites.

- 3.7 Healthcare Environmental Inspectorate: the Healthcare Environment Inspectorate requested a 16 week update on the action plan developed following the Unannounced Inspection at St John's Hospital on 20-21 August 2014 and a return visit on 27 August 2014. The update was returned to the Inspectorate on 6 January 2015.
- 3.7.1 The factual accuracy and action plan for the Unannounced Inspection at Western General Hospital on 18-19 & 27 November 2014 was returned to the Inspectorate on 8 January 2015 with final report publication date of 26 January 2015. There were 8 requirements and 1 recommendation. The main themes of concern for the inspectors were related to environmental cleaning standards and apparent lack of cleanliness of near patient equipment including beds.

Remedial action was instigated immediately from the initial inspection this included additional cleaning to address the environmental issues and a focus on near patient equipment cleaning. The inspectorate noted significant improvement on the return visit on 27 November 2014. There is an on-going detailed action plan lead by the Site Chief Nurse which includes increased scrutiny and review of standards for bed cleaning, near patient equipment and environmental cleaning in conjunction with education for staff.

NHS Lothian has requested specific support from Health Protection Scotland and NHS Education Scotland to review Healthcare Environment Inspectorate issues at the Western General Hospital.

3.7.2 The Healthcare Environment Inspectorate will be introducing inspections of antimicrobial stewardship to all community hospital inspections from January 2015. The inspectors will be looking for clear evidence of antimicrobial management team's stewardship and availability and implementation of antimicrobial policies.

3.8 Vale of Leven Enquiry: The Inquiry Report has 75 recommendations. Nine recommendations are for Scottish Government Health Department, one for Crown Office and 65 are for NHS Scotland Health Boards. The Cabinet Secretary for Health, Wellbeing and Sport has accepted all 75 recommendations. The key themes of the recommendations to Health Boards are:

Scottish Government Health Department provided a template to boards to undertake a review against the recommendations and will be publishing their response to the recommendations in Spring 2015. The template notes current position, what more requires to be done, timescale for completion and recommendation delivery status of Fully Implemented, Mostly Implemented, Partially Implemented or Not Started. NHS Lothian submitted the response to Scottish Government on 19 January 2015. 18 recommendations have been fully implemented. NHS Lothian will be progress actions to address the gaps in the remaining recommendations.

3.8.1 Summary NHS Lothian position on the Vale of Leven Enquiry Recommendations

Theme	No. of Recommendations for NHS Scotland Boards	Fully Implemented within NHS Lothian	Mostly Implemented within NHS Lothian	Partially Implemented within NHS Lothian	Not Started within NHS Lothian
National Policies and Guidance	1	0	1	0	0
Creation, Leadership and Management of Clyde Directorate	2	1	1	0	0
Clinical Governance	1	0	1	0	0
The Experience of Patients and Relatives	3	0	3	0	0
Nursing Care	21	3	15	3	0
Antibiotic Prescribing	1	0	0	1	0
Medical Care	6	0	3	3	0
Infection Prevention and Control	25	10	6	8	(1 n/a)
Death Certification	2	0	2	0	0
Investigations from May 2008	2		1	1	0
Experiences of CDI within and beyond Scotland	1	0	0	1	0
Total	65	14	33	17	1

4 Key Risks

- 4.1 The key risks associated with the recommendations are:
- *Staphylococcus aureus* Bacteraemia increases the burden of illness, the risk of additional treatment and an extended stay in hospital.
 - Usage of high risk antimicrobials has the potential to increase the risk of *Clostridium difficile* Infection.
 - Based on current trend for *Clostridium difficile* Infection NHS Lothian is not on target to achieve the set Health Efficiency Access Treatment Target.

5 Risk Register

- 5.1 The Healthcare Associated Infection Corporate Risk Register 1076 is currently graded high due to reported incidences of *Staphylococcus aureus* Bacteraemia and *Clostridium difficile* Infection impacting on negative trend to achieving Health Efficiency Access Treatment Target. The risk register covers Norovirus outbreaks and escalation, hand hygiene, Health Efficiency Access Treatment targets, Health Protection Scotland targets, decontamination issues and impact on reputation.

6 Impact on Inequality, Including Health Inequalities

- 6.1 Healthcare Associated Infection is more common in patients with co-morbidities, diabetes and alcohol problems. Accordingly, changes made are reducing the burden of Healthcare Associated Infection.

7 Involving People

- 7.1 Patient public representatives are actively involved during the Healthcare Environment Inspectorate inspections, with one member sitting on the Healthcare Environment Inspectorate Steering Group. Other patient public representatives sit on the Infection Control Committees for Acute and Community and Lothian Infection Control Advisory Committee.

8 Resource Implications

- 8.1 Infection Prevention and Control is an invest to save service. The excess cost of each episode of *Staphylococcus aureus* Bacteraemia and *Clostridium difficile* Infection is variable, depending on increased length of stay and additional treatment requirements.

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26 January 2015

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List of Appendices

Appendix 1: Scottish Government Health Department Record Cards for NHS Lothian

NHS Lothian

Staphylococcus aureus Bacteraemia Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
MRSA	0	1	1	2	2	0	1	1	4	3	4	1
MSSA	16	20	22	15	8	24	21	25	20	26	23	18
Total	16	21	23	17	10	24	22	26	24	29	27	19

Clostridium difficile Infection Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Age 15-64	10	9	9	10	8	10	15	18	9	14	10	11
Age 65 plus	27	24	13	24	31	24	24	20	20	18	23	22
Total	37	33	22	34	39	34	39	38	29	32	33	33

Hand Hygiene Monitoring Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
AHP	94.97	97.22	96.27	95.27	96.48	96.94	95.51	96.88	96.63	93.89	94.83	n/a
Ancillary	93.11	91.44	88.41	93.02	94.07	91.45	91.55	90.08	90.71	94.60	91.61	n/a
Medical	94.78	94.03	92.77	93.34	92.91	92.86	94.96	93.27	93.44	94.06	93.30	n/a
Nurse	98.59	98.37	98.32	98.49	98.38	98.64	98.17	98.49	98.05	98.24	98.18	n/a
Board Total	97.00	96.91	96.35	96.74	96.79	96.80	96.79	96.74	96.53	96.62	96.41	n/a

Cleaning Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	96.46	96.23	95.95	96.65	95.96	96.14	96.44	96.25	95.60	96.10	95.70	95.10

Estates Monitoring Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	96.52	96.19	97.06	96.49	96.47	97.05	96.93	96.46	96.80	96.40	97.20	97.10

ROYAL INFIRMARY OF EDINBURGH

Staphylococcus aureus Bacteraemia Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
MRSA	0	0	1	1	0	0	0	1	1	0	1	0
MSSA	2	3	5	0	0	3	3	4	5	2	1	1
Total	2	3	6	1	0	3	3	5	6	2	2	1

Clostridium difficile Infection Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Age 15-64	3	0	2	5	1	1	2	6	2	2	2	2
Age 65 plus	9	7	4	10	12	6	9	6	6	2	8	5
Total	12	7	6	15	13	7	11	12	8	4	10	7

Cleaning Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	96.87	96.79	96.92	96.99	96.51	96.83	97.09	97.07	96.60	97.01	96.63	96.72

Estates Monitoring Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	95.73	95.72	95.69	96.29	95.74	96.08	96.92	96.63	95.82	96.33	97.98	96.10

WESTERN GENERAL HOSPITAL

Staphylococcus aureus Bacteraemia Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
MRSA	0	0	0	1	1	0	0	0	0	2	1	0
MSSA	1	3	4	1	1	2	1	2	4	3	5	1
Total	1	3	4	2	2	2	1	2	4	5	6	1

Clostridium difficile Infection Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Age 15-64	5	4	2	3	3	4	6	5	2	7	2	2
Age 65 plus	6	7	2	8	10	4	6	4	7	10	5	9
Total	11	11	4	11	13	8	12	9	9	17	7	11

Cleaning Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	97.81	97.59	97.19	97.69	97.32	97.16	97.52	96.87	95.01	96.33	94.02	93.55

Estates Monitoring Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	99.24	98.80	99.01	99.07	98.77	99.35	99.04	98.31	97.86	98.24	97.75	97.73

ST JOHNS HOSPITAL

Staphylococcus aureus Bacteraemia Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
MRSA	0	0	0	0	0	0	0	0	1	1	0	0
MSSA	0	0	0	0	0	0	2	0	0	0	0	0
Total	0	0	0	0	0	0	2	0	1	1	0	0

Clostridium difficile Infection Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Age 15-64	0	0	1	0	0	1	1	0	0	0	2	1
Age 65 plus	1	3	2	3	2	4	1	5	1	1	5	3
Total	1	3	3	3	2	5	2	5	1	1	7	4

Cleaning Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	95.39	94.95	94.79	96.26	95.02	95.83	95.13	95.05	93.83	95.43	95.38	95.02

Estates Monitoring Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	93.78	94.90	93.87	95.00	95.66	95.82	94.42	93.51	94.75	95.29	95.63	95.43

LIBERTON HOSPITAL

Staphylococcus aureus Bacteraemia Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
MRSA	0	0	0	0	0	0	0	0	0	0	0	0
MSSA	1	0	1	1	0	1	1	1	0	3	0	0
Total	1	0	1	1	0	1	1	1	0	3	0	0

Clostridium difficile Infection Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Age 15-64	0	0	0	0	0	0	0	0	0	0	0	0
Age 65 plus	0	0	0	0	1	3	2	0	1	0	0	0
Total	0	0	0	0	1	3	2	0	1	0	0	0

Cleaning Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	96.79	95.19	94.27	95.69	96.19	95.65	97.67	97.61	96.83	97.70	97.02	96.71

Estates Monitoring Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	93.43	89.52	92.23	95.86	95.50	93.47	96.93	95.94	93.66	95.12	97.43	98.11

ROYAL HOSPITAL FOR SICK CHILDREN

Staphylococcus aureus Bacteraemia Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
MRSA	0	0	0	0	0	0	0	0	0	0	0	0
MSSA	0	2	0	0	0	0	0	1	0	0	1	0
Total	0	2	0	0	0	0	0	1	0	0	1	0

Clostridium difficile Infection Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Age 15-64	0	0	0	0	0	0	0	0	0	0	0	0
Age 65 plus	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0

Cleaning Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	94.84	99.22	94.94	94.42	95.03	94.50	95.18	95.20	93.67	94.21	95.13	95.83

Estates Monitoring Compliance (%)

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Board Total	99.26	98.73	99.77	99.20	98.56	99.28	99.19	99.87	97.59	97.21	98.29	99.00

COMMUNITY HOSPITALS

Community Hospitals include the following hospitals and care facilities

- Astley Ainslie Hospital
- Corstorphine Hospital
- Ellen's Glen House
- Ferryfield House
- Findlay House
- Marie Curie Hospice Edinburgh
- Midlothian Community Hospital
- Roodlands Hospital
- Royal Edinburgh Hospital
- Royal Victoria Hospital
- St Columba's Hospice
- St Michaels Hospital
- Tippethill Hospital

Staphylococcus aureus Bacteraemia Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
MRSA	0	0	0	0	0	0	0	0	0	0	1	0
MSSA	1	0	0	0	0	1	0	0	0	1	0	0
Total	1	0	0	0	0	1	0	0	0	1	1	0

Clostridium difficile Infection Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Age 15-64	0	0	0	0	0	0	0	0	0	0	1	2
Age 65 plus	3	1	0	1	0	3	2	0	1	0	0	2
Total	3	1	0	1	0	3	2	0	1	0	1	4

OUT OF HOSPITAL INFECTIONS

Staphylococcus aureus Bacteraemia Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
MRSA	0	1	0	0	1	0	1	0	2	0	1	1
MSSA	11	12	12	13	7	17	14	17	11	17	16	16
Total	11	13	12	13	8	17	15	17	13	17	17	17

Clostridium difficile Infection Monthly Case Numbers

	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014
Age 15-64	2	5	4	2	4	4	6	7	5	4	3	4
Age 65 plus	8	6	5	2	6	4	4	5	4	5	5	3
Total	10	11	9	4	10	8	10	12	9	9	8	7