

| BOARD SUMMARY SHEET            |  |
|--------------------------------|--|
| Title                          | Monthly Infection Prevention Performance Report  |
| Submitted by                   | Sue Hardy  |
| Prepared by                    | Fiona Barnes   |
| Date of meeting                | 30 <sup>th</sup> June 2010   |
| Corporate Objectives Addressed | To develop and embed measures for quality and clinical outcomes to achieve the highest standards |

#### **SUMMARY OF CRITICAL POINTS**

Monthly update on reportable HCAIs

# PATIENT IMPACT

 ${\sf High-review}$  of incidents and trend analysis of HCAIs is paramount to improving patient safety and quality of care.

#### STAFF IMPACT

High – review of incidents and trend analysis of HCAIs is paramount to improving patient safety and quality of care and also impacts on staff safety and wellbeing.

# FINANCIAL IMPACT

Will be identified as required

## **EQUALITY AND DIVERSITY IMPACT**

Applicable to all

#### **LEGAL IMPLICATIONS**

The Board has a statutory obligation to ensure appropriate infection prevention and control mechanisms are in place.

## **RISK ASSESSMENT**

Failure to review infection prevention and control would be considered to be high risk.

#### RECOMMENDATION

The Board is asked to consider the content of this report.

# Northampton General Hospital MHS

**NHS Trust** 

#### Introduction

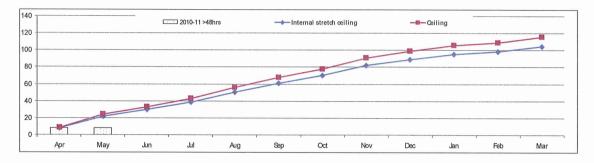
The Board is aware of its duty to ensure appropriate infection prevention and control mechanisms are in place to promote patient safety and quality of care. This report provides the assurance required by the Board to satisfy its statutory requirements by providing an update as to the current situation in relation to Healthcare Acquired Infections (HCAIs) within the Trust.

## MRSA Bacteraemia (Appendix 1)

This financial year the Trust will be measured on the number of MRSA bacteraemias cases per 10,000 bed days based on a bed base of 575. The Trusts ceiling for MRSA bacteraemias is 6 cases. In May there were no >48hrs MRSA bacteraemias. Our rate is currently 0.29 / 10,000 bed days.

#### MRSA Colonisation (Appendix 2)

During May there were 15<48hrs and 9>48hrs cases of MRSA colonisation.



#### **MRSA Screening**

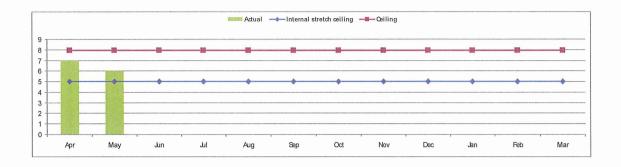
Internal patient verified data identifies 98.94% compliance for the screening of elective admissions during May. The compliance rate for emergency screening was 95.4%.

#### Clostridium Difficile (C Diff) (Appendix 3)

As previously identified for MRSA bacteraemias, the measurement basis for C Diff will be reported in numbers and bed day rates, currently by 1,000 bed days (HPA data). The Trust has a ceiling target of 95 C. Diff. cases with an internal stretch ceiling of 60 cases.

During May the Trust identified 2 < 3 day and 6 > 3 day cases of C Difficile, which equates to 0.37/1,000 bed days. Compton & Knightley wards were placed on 'Special Measures'.

| Clostridium Difficile - Post 48 Hrs | 3   |     |     |     |     |     |     |     |     |     |     |     |         |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| Monthly                             | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | 2010-11 |
| Internal stretch ceiling            | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 60      |
| Ceiling                             | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 95      |
| Actual                              | 7   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 13      |
| Cumulative                          | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | 1       |
| Internal stretch ceiling            | 5   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 1       |
| Ceiling                             | 8   | 16  | 24  | 32  | 40  | 48  | 55  | 63  | 71  | 79  | 87  | 95  | 1       |
| Actual                              | 7   | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 1       |



# Whole Health Economy C. Diff. Working Group

Across Northamptonshire a working group has been formulated to ensure that healthcare providers work as a health economy to reduce the incidence and impact of C Diff. associated disease. The Trust is represented at the group by the Microbiologist, IP Nurse and Pharmacist. This county wide work will support our own focus on reducing C Diff. across the organisation.

## **Health Protection Agency Data Publication**

It has been announced that from June 2<sup>nd</sup> the HPA will be producing weekly hospital level counts of MRSA and C. Diff. The data tables will cover a 'rolling' 12 week period and the HPA has stated that there will be limitations to the data provided due to the time-frame. The HPA Official Statistics will be produced as usual.

#### NHS East Midlands HCAI Performance Overview

As part of the bi monthly Strategic HCAI meetings the following data was shared and when the data is available it will be presented to the Board to demonstrate our comparative figures with other Trusts within the Region.

The table below shows our C. Diff. figures for April 2010 compared to other Trusts within the region.

| Commissioning PCT                   | PCO Apr 10 | Acute<br>Trust | Trust Apr 10 |
|-------------------------------------|------------|----------------|--------------|
| Bassetlaw PCT                       | 3/3        | DBFT           | 4/12         |
| Derbyshire County PCT               | 21/38      | CRHFT          | 4/9          |
| Derby City PCT                      | 16/7       | DHFT           | 14/12        |
| Northamptonshire Teaching PCT       | 25/29      | KGHFT          | 3/12         |
| Northamptonsime reaching FC1        | 23/29      | NGH            | 7/8          |
| Nottingham City PCT                 | 15/10      | NUH            | 19/16        |
| Nottinghamshire County Teaching PC  | T 21/26    | SFHFT          | 3/5          |
| Lincolnshire Teaching PCT           | 16/26      | ULHT           | 7/12         |
| Leicester City PCT                  | 14/12      | UHL            | 24/24        |
| Leicestershire County & Rutland PCT | 36/28      | UHL            | Z4/ Z4       |
| NHS EAST MIDLANDS                   | 167/179    |                | 81/98        |
| NATIONAL                            |            | 為一致基础          |              |

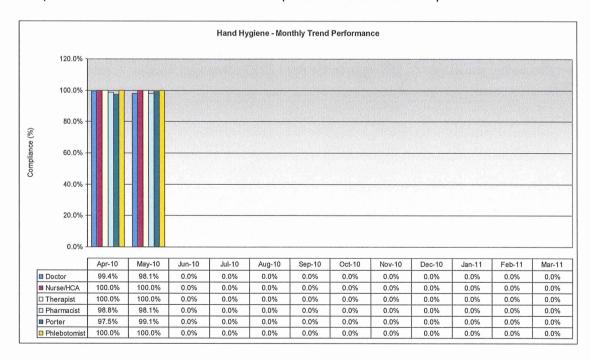
In light of the number of C. Diff. that we have had over the past month in comparison to KGH we will be conducting Microbiologist to Microbiologist and Infection Prevention Lead Nurse to Infection Prevention Lead Nurse discussions to understand if there is any learning from KGH that we can implement.

This table shows our MRSA bacteraemia for April 2010 compared to other Trusts.

| Commissioning PCT                   | PCO Apr 10 | Acute<br>Trust | Trust Apr 10 |
|-------------------------------------|------------|----------------|--------------|
| Bassetlaw PCT                       | 0/1        | DBFT           | 1/1          |
| Derbyshire County PCT               | 1/2        | CRHFT          | 0/0          |
| Derby City PCT                      | 1/1        | DHFT           | 0/1          |
| Northamptonshire Teaching PCT       | 2/1        | KGHFT          | 1/1          |
| normaniplonsine reading PC1         | 2/1        | NGH            | 1/1          |
| Nottingham City PCT                 | 2/1        | NUH            | 1/2          |
| Nottinghamshire County Teaching PCT | 3/3        | SFHFT          | 0/0          |
| Lincolnshire Teaching PCT           | 1/2        | ULHT           | 0/1          |
| Leicester City PCT                  | 0/0        | UHL            |              |
| Leicestershire County & Rutland PCT | 3/1        | UHL            | 3/1          |
| NHS EAST MIDLANDS                   | 13/12      |                | 6/7          |
| NATIONAL                            |            |                |              |

# **Hand Hygiene Audit**

Information from the Hand Hygiene Observational Tool (HHOT) shows that overall compliance within the Trust was 99.3% in April which is the best compliance to date.



#### Recommendation

The Board is asked to discuss the content of this report.

Sue Hardy Director of Nursing, Midwifery & Patient Services DIPC

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Appendix 2 MRSA Colonisation Incidence by Ward

| MPSA ISOI ATES AND | 200       | -    | May                          |        | 2     |           | Alia    | Con       | 100         | Non     | Dan     | no      | Foh     | Mar     | Truet Total 2010  |
|--|-----------|------|------------------------------|--------|-------|-----------|---------|-----------|-------------|---------|---------|---------|---------|---------|-------------------|
| ISOLATES   | 200       | 0.   | iviay                        | 30,    |       | ino.      | -       |           |             |         |         |         |         |         | וומפר וסנמו בטוס- |
|  | <48 >     | 48 ^ | <48 > 48 < 48 > 48 < 48 > 48 | 3 < 48 | >48 < | <48 >48   | <48 >48 | 3 <48 >48 | 3 < 48 > 48 | <48 >48 | <48 >48 | <48 >48 | <48 >48 | <48 >48 | 11                |
| Hawthorn   |           |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Willow   |           | _    |                              |        |       |           |         |           |             |         |         |         |         |         | 1                 |
| Collingtree  |           |      | 1                            |        |       |           |         |           |             |         |         |         |         |         | 2                 |
| TTU TILL   | -         | _    |                              |        |       |           |         |           |             |         |         |         |         |         | 2                 |
| HDU  |           |      |                              | -      |       |           |         |           |             |         |         |         |         |         | 0                 |
| A&E  | _         |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Abington   |           | _    |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Cedar  | _         | -    | _                            |        |       |           |         |           |             |         |         |         |         |         | -                 |
| Becket   |           | -    |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| SingleHurst  |           | -    |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Knightley  |           |      | 1 2                          |        |       |           |         |           |             |         |         |         |         |         | 3                 |
| Gossett  |           |      | _                            |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Disney   | <b>~</b>  | -    |                              |        |       |           |         |           |             |         |         |         |         |         | _                 |
| Paddington   |           | -    | _                            |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Balmoral   |           |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Robert Watson  |           |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Sandringham  |           |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Spencer  |           |      | _                            |        |       |           |         |           |             |         |         |         |         |         | 1                 |
| Sturtridge   |           |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Allebone   |           |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Benham   |           |      | _                            |        |       |           |         |           |             |         |         |         |         |         | 1                 |
| Creaton  |           |      | _                            |        |       |           |         |           |             |         |         |         |         |         | 1                 |
| Dryden   |           |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| EAU  | ග         |      | 0                            |        |       |           |         |           |             |         |         |         |         |         | 18                |
| Eleanor  |           |      | _                            |        |       |           |         |           |             |         |         |         |         |         | 1                 |
| Victoria   | . 4       | 2    | _                            |        |       |           |         |           |             |         |         |         |         |         | 3                 |
| Rowan  | _         |      | 2                            |        |       | MARKAN SA |         |           |             |         |         |         |         |         | 2                 |
| Finedon  | _         |      | _                            |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Compton  | ********* |      | 1                            |        |       |           |         |           |             |         |         |         |         |         | 1                 |
| Brampton   |           | 2    |                              |        |       |           |         |           |             |         |         |         |         |         | 2                 |
| Holcot   | 60        | 2    | _                            |        |       |           |         |           |             |         |         |         |         |         | က                 |
| Althorp  |           |      |                              |        |       |           |         |           |             |         |         |         |         |         | 0                 |
| Talbot Butler  |           | _    |                              |        |       | -         |         |           |             |         |         |         |         |         | 0                 |
| Trust Total 2010-11                                    | 11 8      | 8    | 15 9                         |        |       |           |         |           |             |         |         |         |         |         | 0                 |

Appendix 3 Clostridium Difficile Incidence by Ward

| Clostitutuiti Dillicile Iticiderice by ward | בֿב          | בוס     | υ<br>Ω | ימיי     | 7   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             |             |
|---|--------------|---------|--------|----------|---|-------------|-------|----------|------------|------------|--------|------------|---|------------|------------|--------|------------|------------|----------|-------------|-------------|
| CDT   | Apr          | )L      | May    | ,<br>V   | Jun   |             | Jul   | 7        | Aug        | Sep        | d      | Oct        |   | Nov        | Dec        |        | Jan        | Feb        |          | Mar         | Trust Total |
|   | <3da)        | >3 da < | <3da > | 3 da <   | <3day >3 de <3da >3 de <3da >3 day <3da >3 de | day <3      | da'>3 | d: <3d;  | <3da >3 da | <3da >3 da | >3 da< | <3da >3 da |   | <3da >3 da | <3da >3 da | de <3d | <3da >3 da | <3da >3 da | 3 de <3  | <3da > 3 da | 2010-11     |
| Hawthorn                                    |              | -       |        |          |   |             | _     |          |            |            |        |            |   |            |            |        |            |            | Acres (  |             | 0           |
| Willow                                      | and the same |         |        |          |   |             |       | Stellers |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Collingtree                                 |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| TI  |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| HDU   |              | 1       |        | _        |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 2           |
| A&E   |              |         |        |          |   |             |       |          |            |            |        | _          |   |            |            |        |            |            |          |             | 0           |
| Abington                                    |              |         | _      |          |   |             | _     |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Cedar                                       |              | 2       |        | _        |   |             | L     |          |            |            |        | -          |   |            |            |        |            |            |          |             | 3           |
| Becket                                      |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            | H        |             | 0           |
| SingleHurst                                 |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Knightley                                   |              |         |        | _        |   |             | L     |          |            |            | _      |            |   |            |            |        |            |            |          |             | 0           |
| Gossett                                     |              |         |        |          |   |             |       |          |            |            | -      |            |   |            |            |        |            |            |          |             | 0           |
| Disney                                      |              |         |        |          |   | *********** |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Paddington                                  |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Balmoral                                    |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Robert Watson                               |              |         |        |          |   |             |       |          |            |            |        |            |   |            | _          |        |            |            | _        |             | 0           |
| Sandringham                                 |              |         |        | _        |   |             |       |          |            |            |        | _          |   |            |            |        |            |            | -        |             | 0           |
| Spencer                                     |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Sturtridge                                  |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            | $\dashv$ |             | 0           |
| Allebone                                    |              | _       | _      |          | _   |             | _     |          |            |            |        |            | _ |            |            |        |            |            | _        |             | 1           |
| Benham                                      |              |         |        | 1        |   |             |       |          |            |            |        |            |   |            |            |        |            | _          |          |             | 1           |
| Creaton                                     |              | 1       |        | 1        |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 2           |
| Dryden                                      |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| EAU   | -            | 1       | 2      | _        |   | _           |       |          |            |            |        |            |   |            |            |        |            |            | -        |             | 4           |
| Eleanor                                     |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Victoria                                    |              |         |        | _        | -   | -           |       |          |            |            |        |            |   |            | _          |        |            |            | _        |             | 0           |
| Rowan                                       |              | -       |        |          |   | _           |       |          |            |            |        |            |   |            | _          |        |            | _          |          |             | _           |
| Finedon                                     |              | atmos   | _      | _        |   | _           |       |          |            |            |        |            |   |            | _          |        |            |            |          |             | 0           |
| Compton                                     |              |         |        | 2        |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 2           |
| Brampton                                    |              |         |        |          | _   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Holcot                                      |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Althorp                                     |              |         |        | $\dashv$ |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Talbot Butler                               |              |         |        |          |   |             |       |          |            |            |        |            |   |            |            |        |            |            |          |             | 0           |
| Trust Total 2010-11                         | _            | 7       | 2      | 9        | 0   | 0           | 0     | 0        | 0          | 0          | 0      | 0 0        | 0 | 0          | 0          | 0      | 0          | 0          | 0        | 0 0         | 16          |

