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Bwrdd Iechyd Prifysgol  
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Health Board



## Infection Prevention and Control Report

		Agenda Item	2.1
Freedom of Information Status		Open	
Performance Area	Healthcare Acquired Infections Update Report		
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Reporting Period	06 May 2020		

### Summary of Current Position

The Health Board is under significant pressure as a result of the current COVID-19 (SARS 2) pandemic. This is having a significant impact on the health of the Health Board's population and its staff. Services are under significant pressure as a consequence.

### COVID-19 (SARS 2):

- From 1<sup>st</sup> March 2020 to 5<sup>th</sup> May 2020: **1692** positive cases of COVID-19 (SARS 2) and 3388 negatives tests.

Location	No. COVID-19	Location	No. COVID-19
SB CTU*	<b>1077</b>	Gorseinon	<b>13</b>
Morrison	<b>373</b>	NPT CRT	<b>2</b>
Singleton	<b>104</b>	Swansea ACT	<b>1</b>
Neath Port Talbot	<b>53</b>	HMP Swansea	<b>10</b>
Cefn Coed	<b>30</b>	GP	<b>27</b>
LD	<b>2</b>		

\* mostly staff/essential workers, but started testing Care Homes w/c 15.04.20

- Possible outbreaks or incidents of COVID-19 (SARS 2) associated with MH AMAU, MH Ward D, MH Cardigan Ward, SH Ward 12, SH Ward 9, NPTH Ward A, NPTH Ward C, CCH Ysbryd y Coed Unit.

## Targeted Intervention Infections

- 2019/20 Year end position:

Infection	EYO total cases	Comparison 2018/19
<i>C. difficile</i>	138	7% ↑
<i>Staph aureus</i> BSI	133	3% ↓
<i>E. coli</i> BSI	317	11% ↓
<i>Klebsiella</i> BSI	82	34% ↓
<i>Ps. aeruginosa</i> BSI	28	12% ↑

- 2020/21

Infection	Cases to 30/04/20	Cases to 05/05/20	WG Monthly Expectation
<i>C. difficile</i>	11	4	<8 cases
<i>Staph aureus</i> BSI	10	0	< 6 cases
<i>E. coli</i> BSI	14	1	< 21 cases
<i>Klebsiella</i> BSI	6	2	< 8 cases
<i>Ps. aeruginosa</i> BSI	2	0	< 2 cases

## Achievements

- To 31<sup>st</sup> March 2020, approximate year-on-year HCAI performance (compared with position to 31/03/19) in HCAI - *C. difficile*: 7%↑; *Staph. aureus* bacteraemia: 3%↓; *E. coli*: 11%↓; *Klebsiella* spp.: 34%↓; *Pseudomonas aeruginosa*: 12%↑. The *C. difficile* situation continues to worsen; this is predominantly due to the position in Morriston Delivery Unit.
- 2020/21: The increasing trend in *C. difficile* has continued into 2020/21. This may be related to an association with respiratory infections (possibly secondary to COVID). Morriston accounts for 56% of cases.
- UV-C enhanced technology is now available on each site for environmental decontamination.
- The Health Board implemented the Pandemic Plan in response to the novel Coronavirus, COVID-19 (SARS 2). Each site has reconfigured services to accommodate the cases requiring admission.
- The Infection Prevention & Control Nursing Team (IPCNT) has undertaken PPE Train the Trainer sessions, with 201 secondary care and community-based staff trained to be able to train other staff on Public Health England recommended PPE donning and doffing protocols for COVID-19. In addition, the IPCNT has visited wards across sites to train at least 230 additional staff on the correct donning and doffing protocols. This training continues.
- The IPCNT continue to provide support and advice to clinical on non-clinical staff in all issues relating to COVID-19 and other infections.
- IPC resource – a 7 day service has commenced, and this has been welcomed on sites, particularly during the current COVID-19 situation.
- Recruitment into the IPCN team has commenced to support the 7 day service and to extend the service into Primary Care during this financial year.

## Challenges, Risks and Mitigation

- Challenging to sustain improvements in reduction of targeted infections.
- C. difficile* infections continue to be on an upward trend, and significantly above the Welsh Government expected number of monthly cases.

- It is important at this time of COVID-19 activity, that the Health Board does not lose focus on those other infections for which the Health Board is under Targeted Interventions. Whilst Morriston Hospital Delivery Unit is experiencing the largest impact from COVID-19, it must remain sighted on the *C. difficile* position.
- Reduction initiatives are compromised by over-crowding of wards as a result of increased activity and the use of pre-emptive beds, and where there are staffing vacancies, and reliance on temporary staff, and where activity levels are such that it is not possible to decant bays to effectively clean patient areas where there have been infections. Whilst this has been less an issue at the height of COVID-19 activity, the Health Board must be mindful of these risks once there is a return to normal service provision.
- Lack of decant facilities, when occupancy is at acceptable levels on acute sites, compromises effectiveness of the '4D' cleaning/decontamination programme.
- Shortfall in cleaning hour provision on acute sites due to vacancies, sickness. Mitigation – agreed investment to increase cleaning hours in Morriston and Singleton Hospital.
- The outbreak of extensively antibiotic resistant, carbapenemase producing organisms (CPO), which began on Ward G, but involved 6 other wards, including wards in Neath Port Talbot and in Singleton, continues to have an impact. To date, there has been a **total of 24 confirmed *Klebsiella pneumoniae* with the same genetic strain (ST307)**. To 5<sup>th</sup> May 2020, there had been no new cases identified since 18 March 2020, and there remained three patients in hospital.

#### Action Being Taken (what, by when, by who and expected impact)

##### **Maintain infection Prevention & Control Support for COVID-19**

- **Action:** Provide support and advice in relation to COVID-19 for clinical and non-clinical staff across the Health Board, and Procurement, due to supply issues as a result of COVID-19. **Target completion date:** July 2020. **Lead:** Assistant Director of Nursing IPC. **Impact:** Safe practices to protect the health of patients, staff and wider public.

##### **Return to business as usual for surveillance and reporting of key infections and infection related incidents**

- **Action:** Surveillance of healthcare associated infections will resume, with update reports prepared for Senior Leadership Team and Quality & Safety. **Target completion date:** 01 June 2020. **Lead:** Head of Nursing IPC, and Delivery Unit Directors. **Impact:** Provide assurance to the Board on the Health Board's, and Delivery Units', progress against infection reduction goals, and that appropriate actions are implemented to attain infection reductions.

##### ***Clostridium difficile* infection**

- **Action:** Further investigation into the increasing trend in *C. difficile* to identify possible contributory factors, including antimicrobial stewardship challenges. **Target completion date:** July 2020. **Lead:** Head of Nursing, IPC and Delivery Unit Directors. **Impact:** reduction in *C. difficile* cases.

##### **Access to training**

- **Action:** The All Wales standard precautions training remains available, supplemented by the IPCT and some educators who deliver this face-to-face. In addition, the IPCT deliver bespoke sessions to groups of staff or individuals. Sessions planned and programme of training to be implemented throughout 2020 and improve compliance with training. **Target completion date:** December 2020; *training has continued but the focus has been COVID-19 related*. **Lead:** Matron for IPC. **Impact:** Improved practice in relation to IPC.

##### **Review of Infection Prevention & Control Service**

- **Action:** Following Health Board investment in the Corporate IPC service, undertake a service redesign to provide a Health Board-wide integrated service, which will extend to

Primary & Community Care. **Target completion date:** September 2020. **Lead:** Assistant Director of Nursing IPC. **Impact:** Corporate IPC service will provide appropriate expertise, guidance and advice to all Delivery Units to support their compliance with Standard 2.4, Health and Care Standards for Wales, that “*Effective infection prevention and control needs to be everybody’s business and must be part of everyday healthcare practice and based on the best available evidence so that people are protected from preventable healthcare associated infections*”.

#### **Domestic staff recruitment**

- **Action:** Recruitment process for additional cleaning staff progressing. **Target completion date:** September 2020. **Lead:** Support services manager. **Impact:** Increased domestic staffing to provide cleaning hours required.

#### **Meeting national minimal standards of cleanliness**

- **Action:** Following the presentation to SLT on 5<sup>th</sup> February 2020, there was agreement to fund additional cleaning hours. The next steps will determine the staging of funding and recruitment of additional staff. **Target completion date:** March 2021. **Lead:** Support services manager. **Impact:** Agreed staged approach to increasing funding for increased domestic staffing to provide cleaning hours required to meet national minimum standards.

#### **Decant**

- **Action:** Solutions for decant to be identified for Morriston and Singleton. **Target completion date:** *set back as a result of COVID-19* to September 2020. **Lead:** Assistant Director of Nursing IPC and Service improvement capital planning. **Impact:** Solution for decant to be identified and proposals for a solution to be presented to SLT.

#### **Procurement of Hydrogen Peroxide Vapour (HPV) Contracted Service**

- **Action:** Undertake a procurement exercise to identify a safe and appropriate managed service for when ongoing transmission of an organism has occurred, despite implementation of existing control measures, and the environment and/or equipment is considered to be a persistent source of pathogens. Also, an annual programme of environmental decontamination, dependent on the ability to decant. **Target completion date:** *set back as a result of COVID-19* to September 2020. **Lead:** Assistant Director of Nursing IPC, Support Services, and Procurement. **Impact:** Environmental decontamination in line with the ‘4D’ programme: **D**eclutter, **D**ecant, **D**eep-clean and **D**isinfect, and the Outbreak Management Protocol, and an annual Deep Clean Programme.

#### **Financial Implications**

Not completed as a consequence of COVID-19 related workload pressures.

#### **Recommendations**

Members are asked to:

- Note reported progress against HCAI priorities up to 5<sup>th</sup> May and agree actions.