



INFECTION PREVENTION SURVEILLANCE UPDATE

Situation

This report provides a summary position, as at December 31st 2020, against the Infection Reduction expectations set out within the NHS Delivery Framework

Hywel Dda Reduction Expectation Targets

Organism	FY 2020/21	FY 2019/20	Rate 1000 admissions 2020/21	Rate 1000 admissions 2019/20	Comment
<i>C. difficile</i>	100	112	3.45	2.74	<ul style="list-style-type: none"> 11% fewer infections than in the same timeframe of 2019/20 All Wales figure shows an increase of 3% in the number of cases. Cumulative rate for Hywel Dda is 34.42 per 100,000 population.
<i>E.coli</i>	233	306	8.04	7.35	<ul style="list-style-type: none"> 24% reduction, 73 fewer cases than in the same timeframe for 2019/20. Cumulative rate for Hywel Dda is reduced to 80.20 per 100,000 population. This is similar to the picture being seen across Wales where there has been a decrease of 25% in the number of cases.
<i>S. aureus</i>	66	82	2.28	2.34	<ul style="list-style-type: none"> 20% reduction, 16 fewer cases than in 2019/20, while the all Wales figure shows a decrease of 7% in the number of cases. Cumulative rate is currently reducing to 22.72 per 100,000 population.
<i>Klebsiella sp</i>	48	62	1.66	1.67	<ul style="list-style-type: none"> 23% reduction, 14 fewer cases than in 2019/20.
<i>Pseudomonas aeruginosa</i>	19	24	0.66	0.50	<ul style="list-style-type: none"> 21% reduction, 5 fewer cases than in 2019/20.

Risks and Mitigation

- We have reported fewer infections against all the reduction expectations this year to date.
- There has however been an increase in the rate per 1000 admissions for *C.diff* Infection & *E.coli* and *Pseudomonas* Blood Stream infections (BSIs). This is due to the reduced denominator figure, associated with lower hospital admissions in the first quarter of 2020. The Infection Prevention Strategic Steering Group has requested that this data be cross referenced with the number of Blood Cultures taken to confirm the hypothesis.
- Outbreaks of *Klebsiella* BSIs have been reported in other Health Boards and are thought to be associated with Critical Care settings and staff wearing long sleeved gowns, impacting on hand hygiene efficacy. This is not the experience in Hywel Dda University Health Board, nevertheless, mitigation has been introduced to prevent this occurring. Staff in Critical Care areas are trialling rolling up their sleeves to ensure Bare Below The Elbow.

Recommendation

QSEAC is asked to:

- Take assurance that routine surveillance is continuing during COVID-19 activity.
- Note the improvement in infection rates for the year to date.