

REDUCTION EXPECTATION

- The reduction expectation was that the rate of *C. difficile* for Wales and the major acute health boards (excluding Powys THB and Velindre NHS Trust) be less than or equal to 28.00 (26.00 for Cwm Taf UHB*) per 100,000 population, for Oct 16 – Mar 17.
*Cwm Taf UHB were tasked with achieving a rate of less than or equal to 26.00 per 100,000 population, as they were already close to the Wales reduction expectation rate.
- This equated to a 35% reduction in the Wales rate compared to the previous Welsh Government reduction expectation period (Apr 14 – Sep 15: 43.34 per 100,000 population).
- A maximum of 432 *C. difficile* was required across Wales to achieve the reduction expectation. This was an average of no more than 72 cases per month.
- The expected percentage reduction for health boards compared to the previous reduction period ranged from 17% to 47%.
- The aim of the reduction expectation was to bring more comparability with rates in the rest of the UK and reduce the variability in rates seen across healthcare organisations in Wales.

RESULTS SUMMARY

Table 1. Rate of *C. difficile*, per 100,000 population and percentage change in rate between the current (Oct 16 – Mar 17) and previous (Apr 14 – Sep 15) reduction expectation periods

Health board	Apr 14 – Sep 15 rate per 100,000 population	Reduction expectation period Oct 16 – Mar 17 rate per 100,000 population	% change between reduction expectation period rates
Abertawe Bro Morgannwg UHB	52.60	46.56	-11%
Aneurin Bevan UHB	37.30	27.92	-25%
Betsi Cadwaladr UHB	57.29	30.90	-46%
Cardiff and Vale UHB	34.96	28.55	-18%
Cwm Taf UHB	31.28	15.54	-50%
Hywel Dda UHB	41.63	41.87	+1%
Wales*	43.34	31.90	-26%

*Includes Powys THB and Velindre NHS Trust

Wales

- The Wales rate of *C. difficile* for the reduction expectation period Oct 16 to Mar 17 was **31.90 per 100,000 population**. (Table 1.)
- Whilst the reduction expectation of less than or equal to 28.00 *C. difficile* per 100,000 population has not been achieved across Wales, there has been a 26% reduction in rate compared to the previous reduction expectation period. (Table 1.)
- On average, there were approximately 30 fewer cases of *C. difficile* per month for Oct 16 – Mar 17 compared to the previous reduction expectation period.
- Two health boards (Cwm Taf UHB and Aneurin Bevan UHB) have achieved the reduction expectations and most health boards have made considerable progress in reducing *C. difficile* compared to the previous reduction expectation period.

Health Boards

Cwm Taf UHB

- The Cwm Taf UHB rate of *C. difficile* for the reduction expectation period Oct 16 to Mar 17 was **15.54 per 100,000 population**. (Table 1.)
- Cwm Taf UHB have achieved the reduction expectation rate of less than or equal to 26.00 per 100,000 population for the period Oct 16 – Mar 17 and should be commended for the hard work staff have put in to achieve this substantial reduction in the rate of *C. difficile*.
- 15.54 per 100,000 population equates to a 50% reduction compared to the previous reduction expectation period rate of 31.28. (Table 1.)

Aneurin Bevan UHB

- The Aneurin Bevan UHB rate of *C. difficile* for the reduction expectation period Oct 16 to Mar 17 was **27.92 per 100,000 population**. (Table 1.)
- Aneurin Bevan UHB have achieved the reduction expectation rate of less than or equal to 28.00 per 100,000 population for the period Oct 16 – Mar 17 and should be commended for the hard work staff have put in to achieve this substantial reduction in the rate of *C. difficile*.
- 27.92 per 100,000 population equates to a 25% reduction compared to the previous reduction expectation period rate of 37.30. (Table 1.)

Cardiff and Vale UHB

- The Cardiff and Vale UHB rate of *C. difficile* for the reduction expectation period Oct 16 to Mar 17 was **28.55 per 100,000 population**. (Table 1.)
- Cardiff and UHB have very narrowly missed the reduction expectation rate of less than or equal to 28.00 per 100,000 population.
- Whilst Cardiff and Vale UHB has not achieved the reduction expectation, it has achieved an 18% reduction compared to the previous reduction expectation period rate of 34.96 (Table 1.) and should be commended for the hard work staff have put in to achieve this substantial reduction.

Betsi Cadwaladr UHB

- The Betsi Cadwaladr UHB rate of *C. difficile* for the reduction expectation period Oct 16 to Mar 17 was **30.90 per 100,000 population**. (Table 1.)
- Whilst Betsi Cadwaladr UHB has not achieved the reduction expectation rate, it has achieved a 46% reduction compared to the previous reduction expectation period rate of 57.29 (Table 1.) and should be commended for the hard work staff have put in to achieve this substantial reduction.
- On average, there were approximately 15 fewer cases per month for Oct 16 – Mar 17, compared to the previous reduction expectation period.

Abertawe Bro Morgannwg UHB

- The Abertawe Bro Morgannwg UHB rate of *C. difficile* for the reduction expectation period Oct 16 to Mar 17 was **46.56 per 100,000 population**. (Table 1.)
- Whilst Abertawe Bro Morgannwg UHB has not achieved the reduction expectation rate, it has achieved an 11% reduction compared to the previous reduction expectation period rate of 52.60. (Table 1.)
- On average, there were approximately 3 fewer cases per month for Oct 16 – Mar 17 compared to the previous reduction expectation period.

Hywel Dda UHB

- The Hywel Dda UHB rate of *C. difficile* for the reduction expectation period Oct 16 to Mar 17 was **41.87 per 100,000 population**. (Table 1.)
- Hywel Dda UHB has not achieved the reduction expectation rate of less than or equal to 28.00 per 100,000 population for the period Oct 16 – Mar 17, but 41.87 per 100,000 population is 21% lower than the rate for the previous 6 month period.

REDUCTION EXPECTATION

- The reduction expectation was that the rate of *S. aureus* bacteraemia for Wales and the major acute health boards (excluding Powys THB and Velindre NHS Trust) was less than or equal to 20.00 (15.00 for Aneurin Bevan UHB*) per 100,000 population for Oct 16 – Mar 17.
**Aneurin Bevan UHB were tasked with achieving a rate of less than or equal to 15.00 per 100,000 population, as they were already close to the Wales reduction expectation rate.*
- This equated to a 33% reduction in the Wales rate compared to the previous Welsh Government reduction expectation period (Apr 14 – Sep 15: 29.83 per 100,000 population).
- A maximum of 309 *S. aureus* bacteraemia was required across Wales to achieve the reduction expectation. This equated to an average number of no more than 51 cases per month.
- The expected percentage reduction for health boards ranged from 21% to 50%.
- The aim of the reduction expectation was to bring more comparability with rates in the rest of the UK and reduce the variability in rates seen across healthcare organisations in Wales.

RESULTS SUMMARY

Table 2. Rate of *S. aureus* bacteraemia, per 100,000 population and percentage change in rate between the current (Oct 16 – Mar 17) and previous (Apr 14 – Sep 15) reduction expectation periods

Health board	Apr 14 – Sep 15 rate per 100,000 population	Reduction expectation period Oct 16 – Mar 17 rate per 100,000 population	% change between reduction expectation period rates
Abertawe Bro Morgannwg UHB	33.49	40.84	+22%
Aneurin Bevan UHB	21.80	22.06	+1%
Betsi Cadwaladr UHB	25.43	23.68	-7%
Cardiff and Vale UHB	37.17	37.23	=0%
Cwm Taf UHB	40.06	33.12	-17%
Hywel Dda UHB	37.29	32.45	-13%
Wales*	29.83	30.22	+1%

*Includes Powys THB and Velindre NHS Trust

Wales

- The Wales rate of *S. aureus* bacteraemia for the reduction expectation period Oct 16 to Mar 17 was **30.22 per 100,000 population**. (Table 2.)
- Whilst the reduction expectation of less than or equal to 20.00 *S. aureus* bacteraemia per 100,000 population has not been achieved across Wales, most health boards have continued to see reductions in MRSA bacteraemia. (Table 2.)

Health Boards

Betsi Cadwaladr UHB

- The Betsi Cadwaladr UHB rate of *S. aureus* bacteraemia for the reduction expectation period Oct 16 to Mar 17 was **23.68 per 100,000 population**. (Table 2.)
- Whilst Betsi Cadwaladr UHB has not achieved the reduction expectation rate, it has achieved a 7% reduction compared to the previous reduction expectation period rate of 25.43 (Table 2.).
- Betsi Cadwaladr UHB has the second lowest rate for the reduction expectation period and was 22% lower than the Wales rate.

Aneurin Bevan UHB

- The Aneurin Bevan UHB rate of *S. aureus* bacteraemia for the reduction expectation period Oct 16 to Mar 17 was **22.06 per 100,000 population**. (Table 2.)
- Whilst Aneurin Bevan UHB has not achieved the reduction expectation rate of less than or equal to 15.00 per 100,000 population, it has the lowest rate for the reduction expectation period and was 27% lower than the Wales rate.

Hywel Dda UHB

- The Hywel Dda UHB rate of *S. aureus* bacteraemia for the reduction expectation period Oct 16 to Mar 17 was **32.45 per 100,000 population**. (Table 2.)
- Whilst Hywel Dda UHB has not achieved the reduction expectation rate, it has achieved a 13% reduction compared to the previous reduction expectation period rate of 37.29. (Table 2.)

Cwm Taf UHB

- The Cwm Taf UHB rate of *S. aureus* bacteraemia for the reduction expectation period Oct 16 to Mar 17 was **33.12 per 100,000 population**. (Table 2.)
- Whilst Cwm Taf UHB has not achieved the reduction expectation rate, it has achieved a 17% reduction compared to the previous reduction expectation period rate of 40.06. (Table 2.)
- 33.12 per 100,000 population is approximately 39% lower than the rate for the previous 6 month period.

Cardiff and Vale UHB

- The Cardiff and Vale UHB rate of *S. aureus* bacteraemia for the reduction expectation period Oct 16 to Mar 17 was **37.23 per 100,000 population**. (Table 2.)
- Whilst Cardiff and Vale UHB has not achieved the reduction expectation rate, it has achieved a large reduction in MRSA bacteraemia, which has brought the rate more in line with the other health boards.

Abertawe Bro Morgannwg UHB

- The Abertawe Bro Morgannwg UHB rate of *C. difficile* for the reduction expectation period, Oct 16 to Mar 17 was **40.84 per 100,000 population**. (Table 2.)
- Abertawe Bro Morgannwg UHB has not achieved the reduction expectation rate of less than or equal to 20.00 per 100,000 population for the period Oct 16 – Mar 17.