

# *S. aureus* bacteraemia surveillance

## Quarterly report

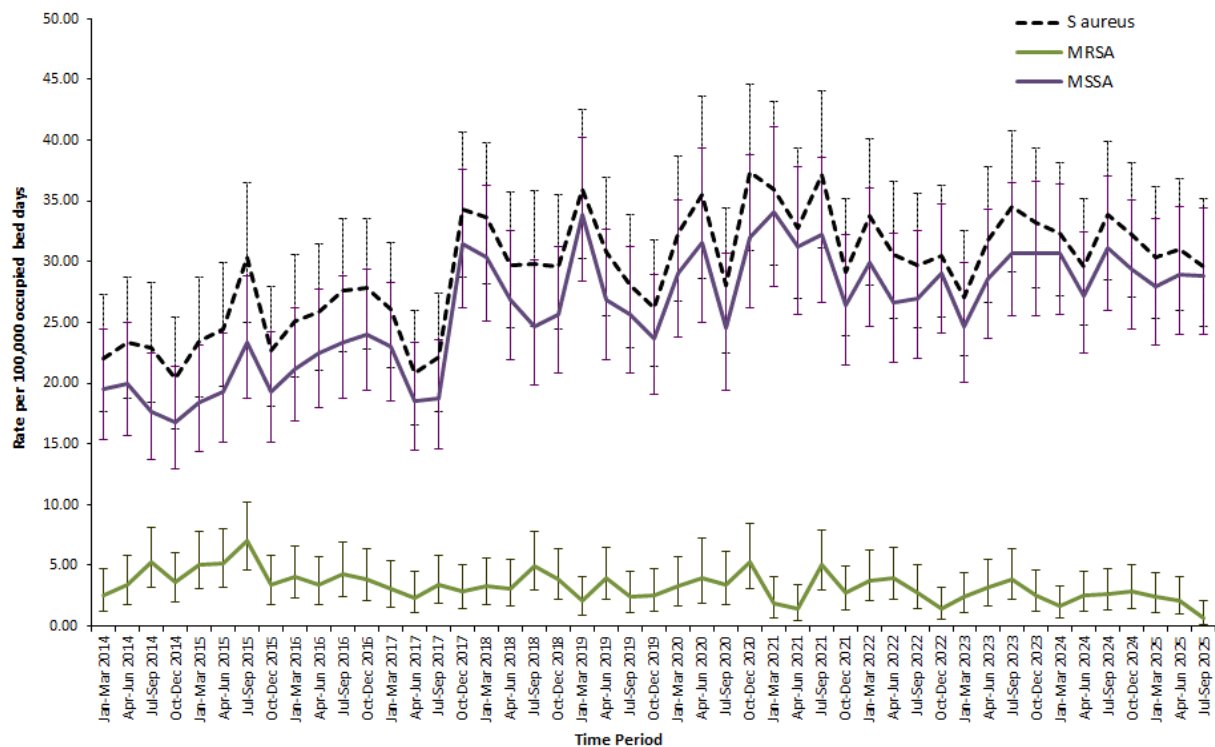
### July - September 2025

#### Key points

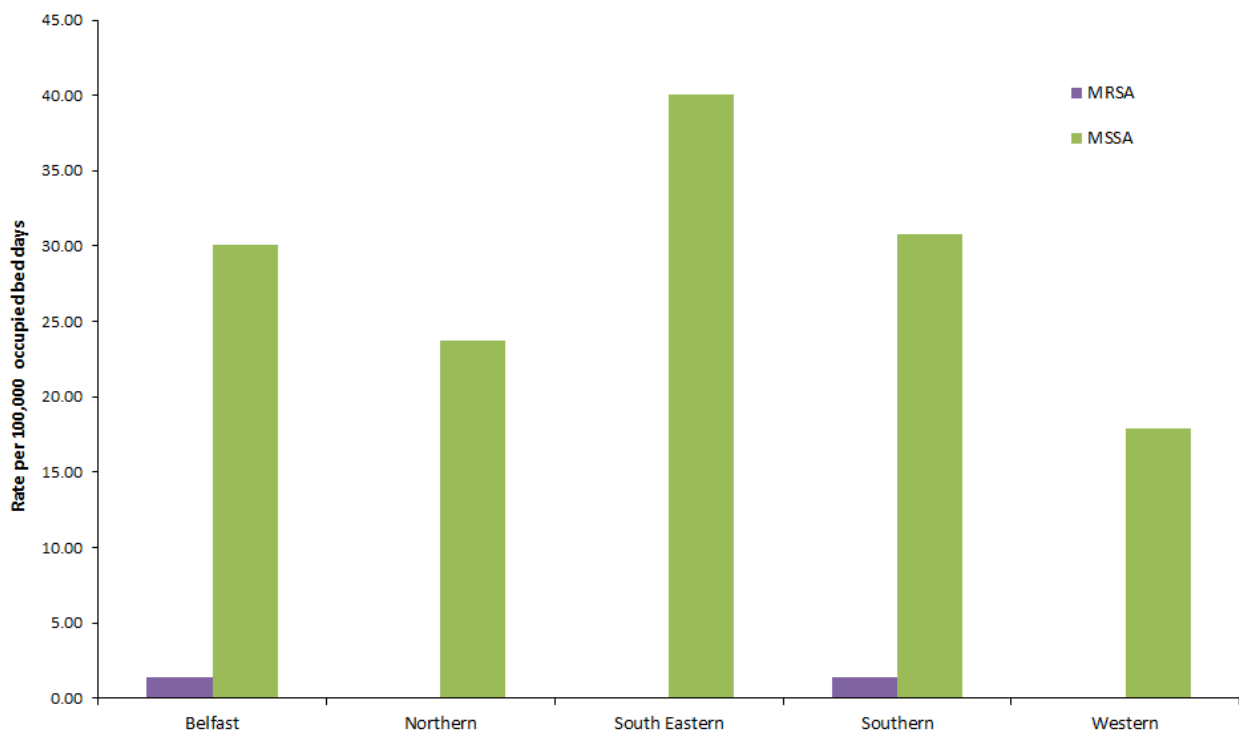
- Overall *S. aureus* (SA) rates for Northern Ireland (MRSA plus MSSA bacteraemias) decreased by approximately 5% during July-September 2025 compared to April-June 2025.
- MRSA rates decreased by approximately 67% during July-September 2025 compared to April-June 2025.
- MRSA reports during 2024/25 decreased by 8% compared to 2023/24.
- MSSA rates decreased by approximately 0.3% during July-September 2025 compared to April-June 2025.
- MSSA reports during 2024/25 decreased by 2% compared to 2023/24.
- Bed day data were not available for NHST, SHST and WHST and provisional figures were used this quarter (figures taken from Jul-Sep 2024).

For further information or clarification on HCAI definitions, please refer to previous reports or contact [hcaini@hscni.net](mailto:hcaini@hscni.net)

# **S. aureus bacteraemia surveillance**



**Figure 1: MSSA, MRSA and S. aureus rates in Northern Ireland by quarter, with 95% confidence intervals, Jan 2014 – Sept 2025 (see Appendix 3)**



**Figure 2: MRSA and MSSA rates per 100,000 occupied bed days, by HSCT, Jul-Sept 2025.**

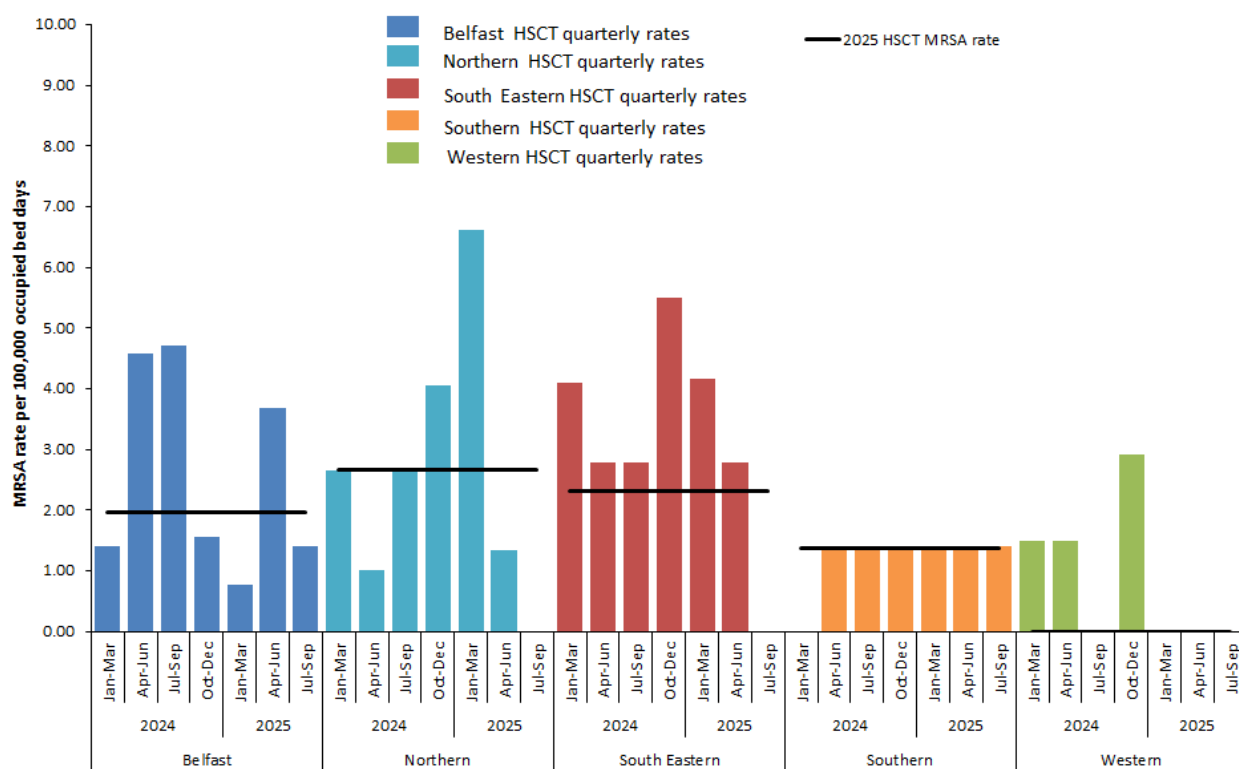


Figure 3: MRSA quarterly rate Jan 2024 – Sept 2025, by HSCT, with 2025 HSCT MRSA rate

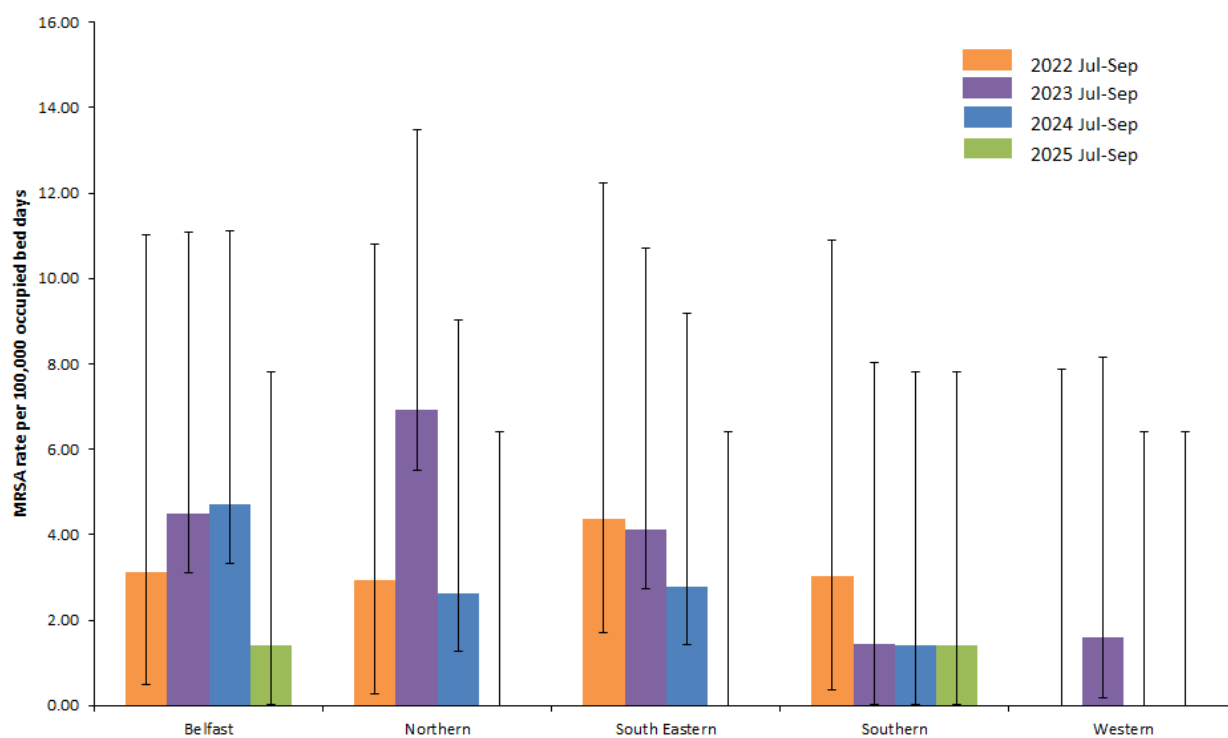


Figure 4: MRSA rate during Jul-Sep, by HSCT, from 2022–2025, with 95% confidence intervals

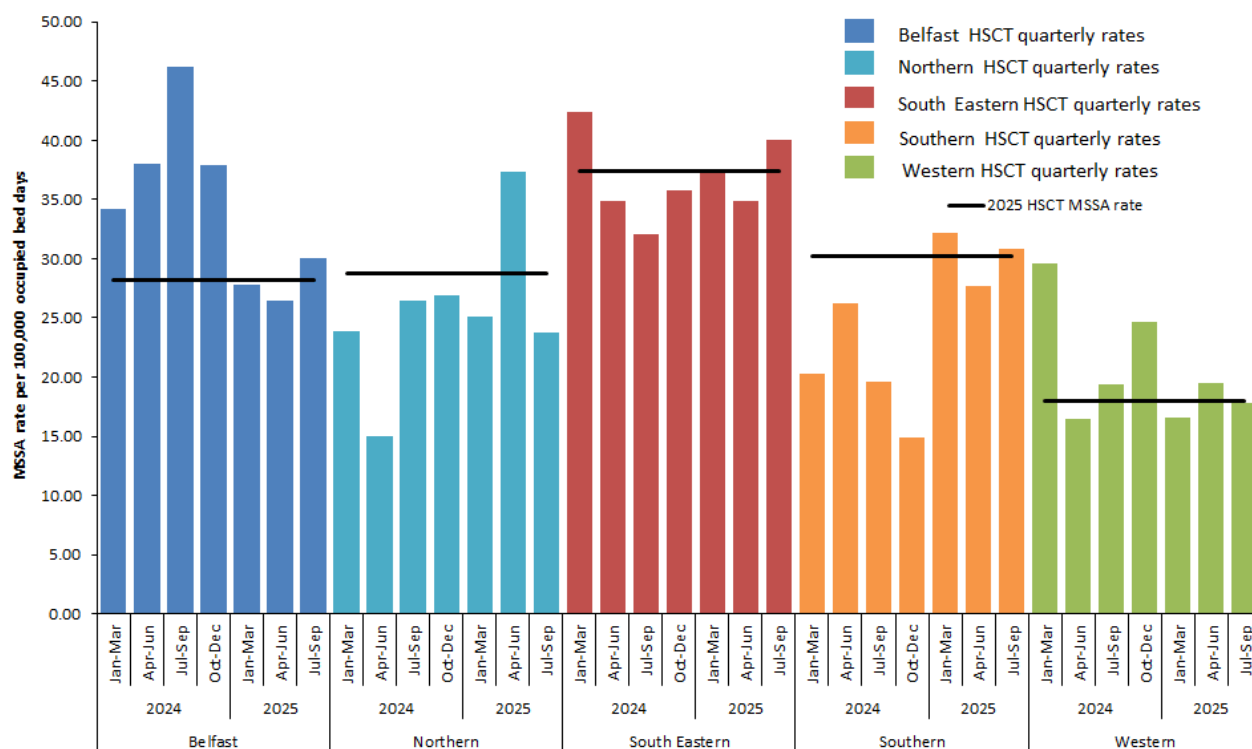


Figure 5: MSSA quarterly rate Jan 2024 – Sept 2025, by HSCT, with 2025 HSCT MSSA rate

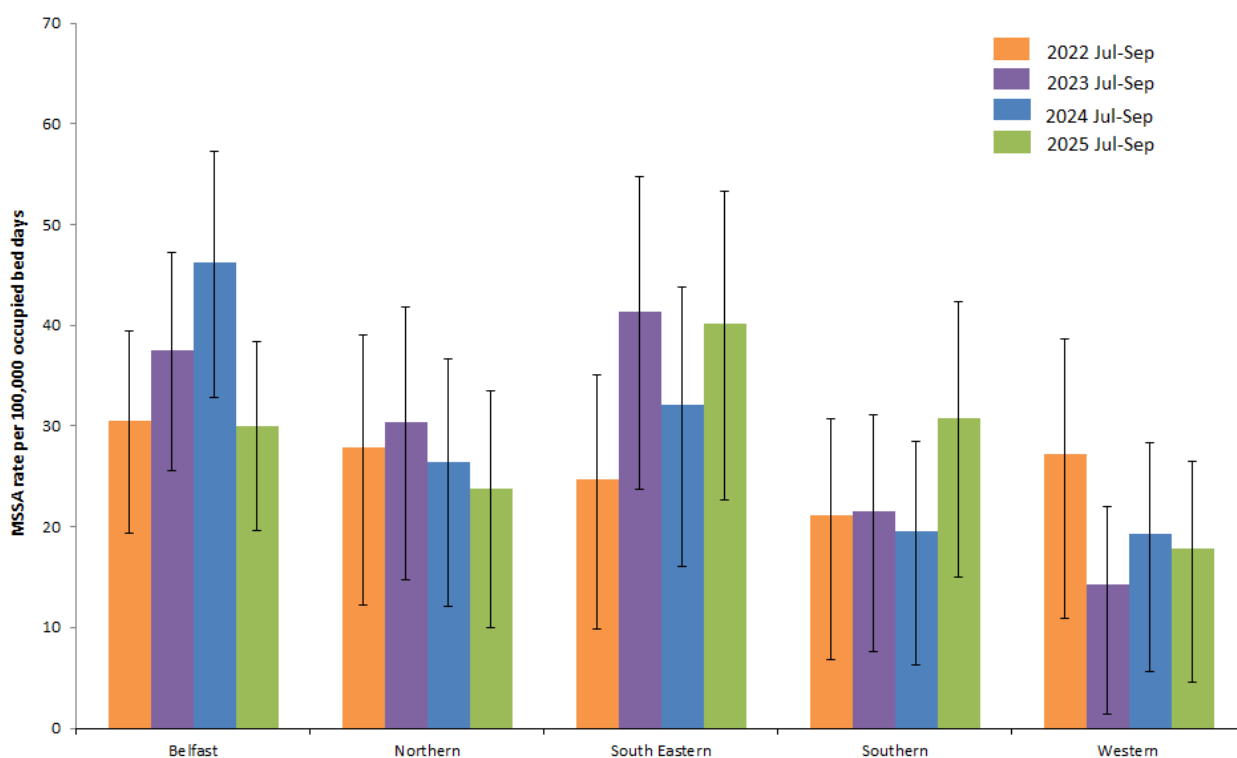


Figure 6: MSSA rate during Jul-Sept, by HSCT, from 2022–2025, with 95% confidence interval

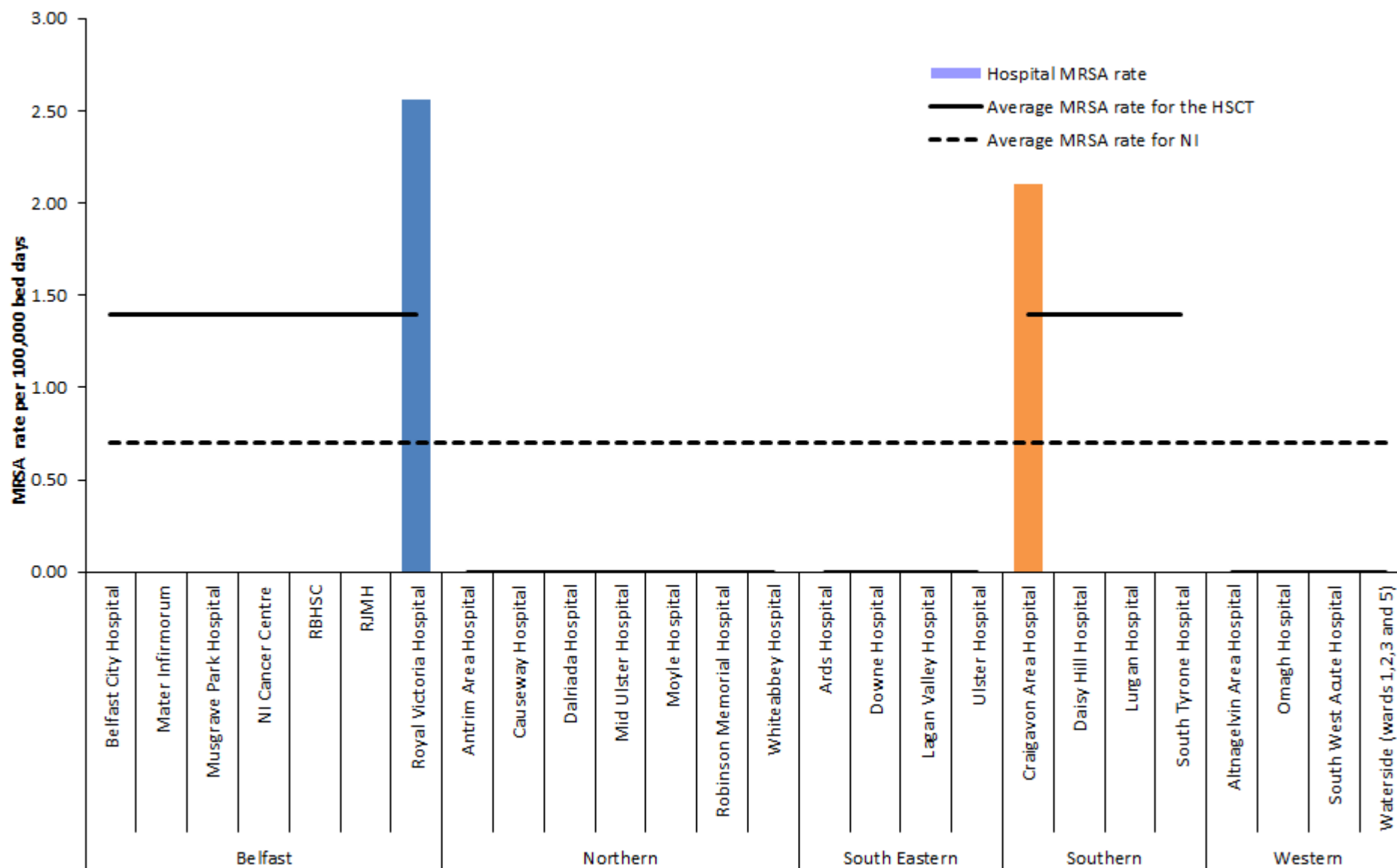


Figure 7: Rates of MRSA, July-September 2025 by individual hospitals, (gaps represent zero episodes), compared to July-September 2025 average rates for Northern Ireland and HSCTs

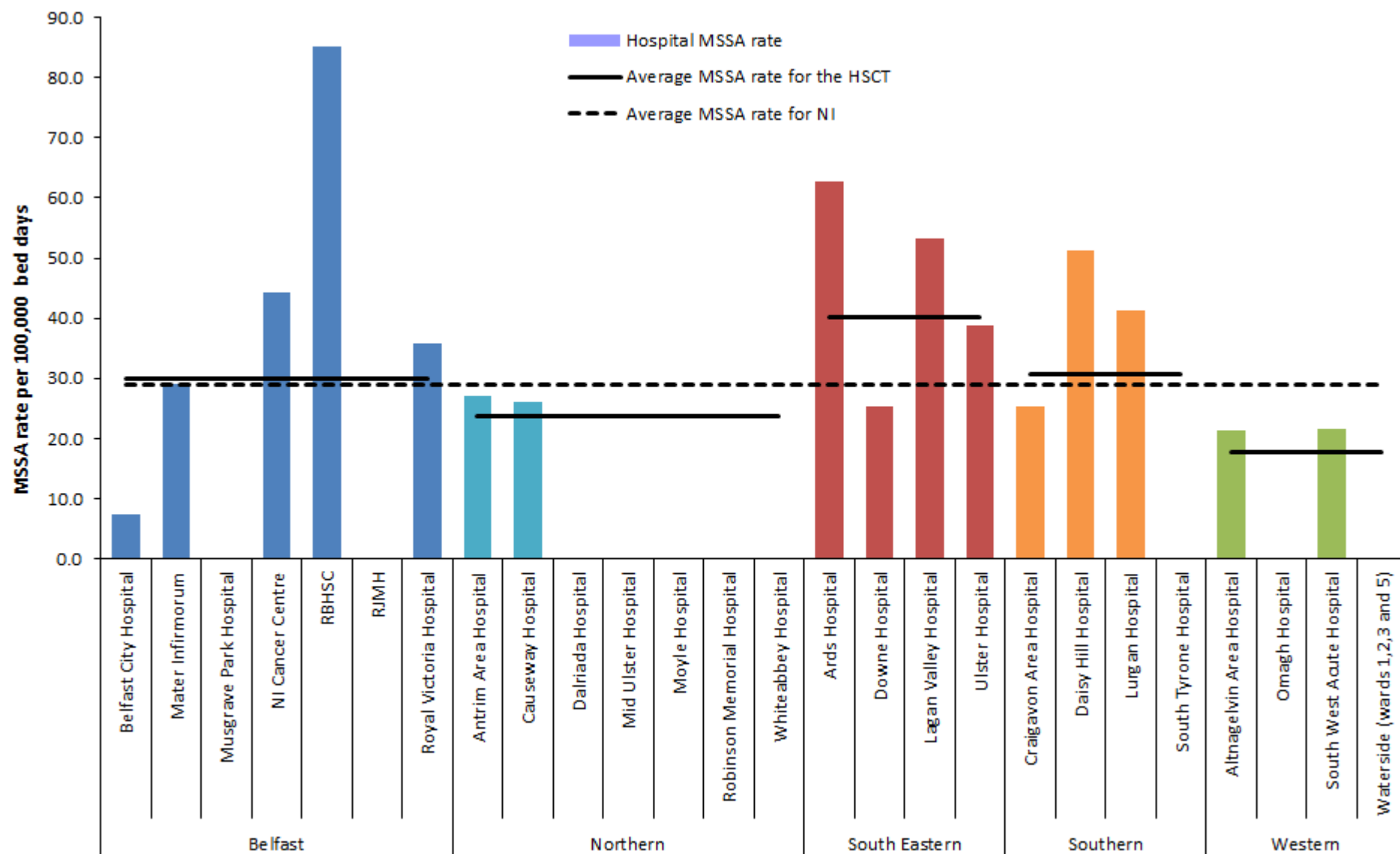


Figure 8: Rates of MSSA, July-September 2025 by individual hospitals, (gaps represent zero episodes), compared to July-September 2025 average rates for Northern Ireland and HSCT

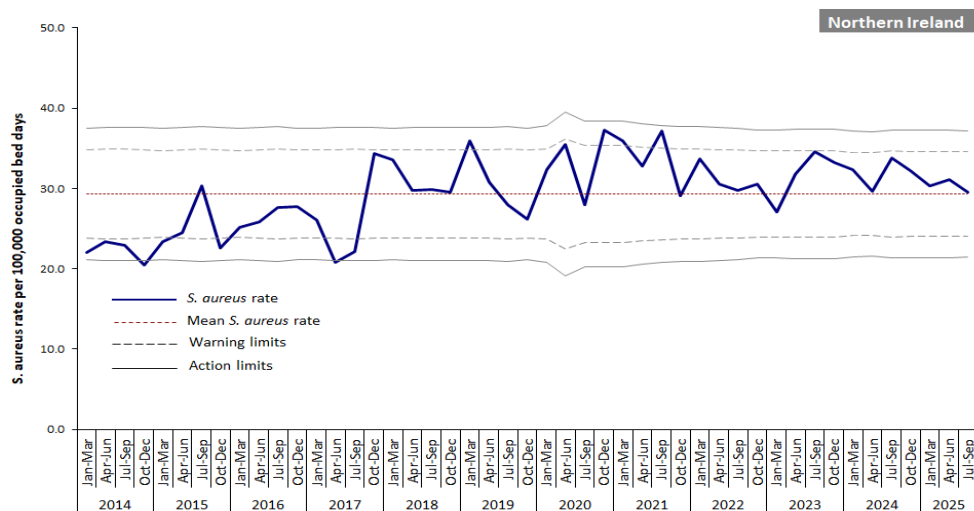


Figure 9a: Statistical process control chart for quarterly *S. aureus* rates in Northern Ireland

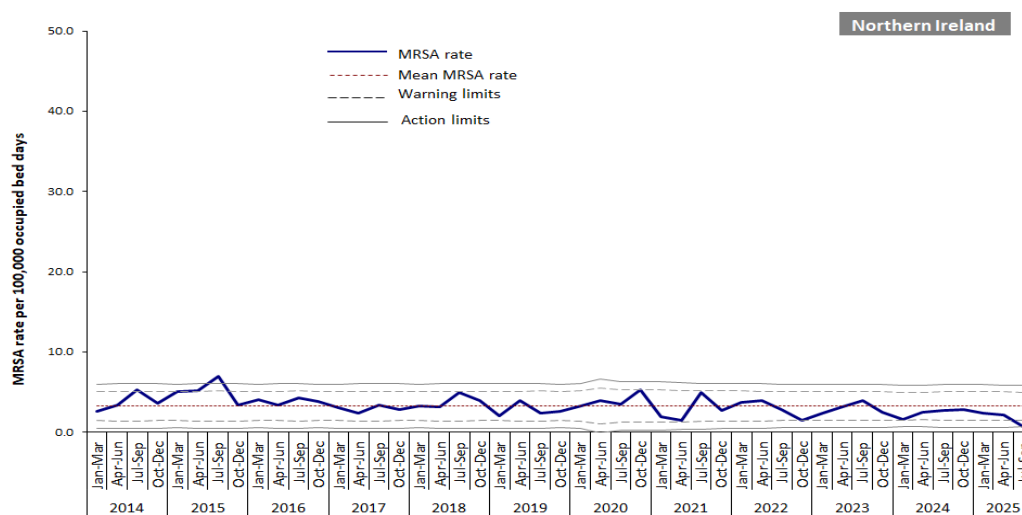


Figure 9b: Statistical process control chart for quarterly MRSA rates in Northern Ireland

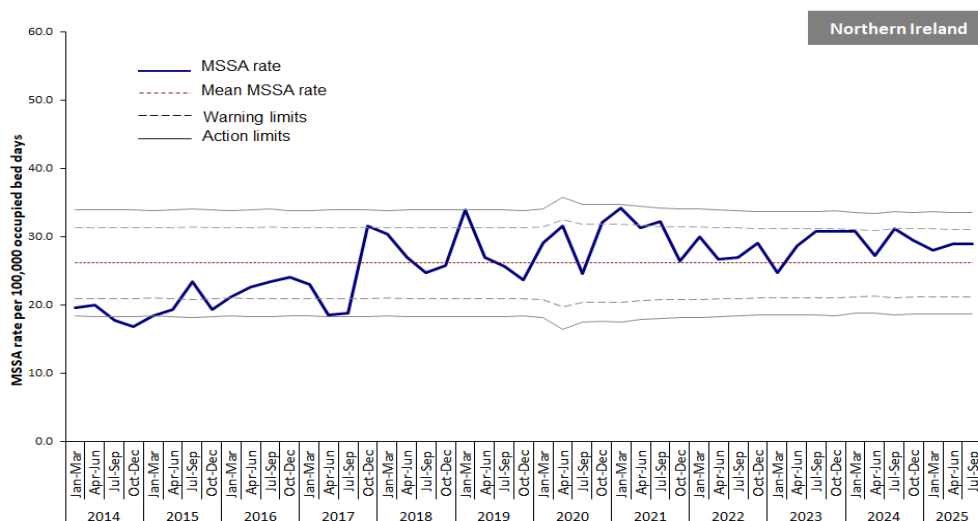


Figure 9c: Statistical process control chart for quarterly MSSA rates in Northern Ireland

## Appendix 1

**Table 1: Quarterly rates\* of MRSA patient episodes, by hospital, Oct 2024 – Sept 2025**

Hospital	Oct - Dec 2024	Jan - Mar 2025	Apr - Jun 2025	Jul - Sep 2025
Belfast City Hospital	0.00	0.00	0.00	0.00
Mater Infirmorum	0.00	0.00	0.00	0.00
Musgrave Park Hospital	0.00	0.00	0.00	0.00
NICCO	0.00	0.00	22.68	0.00
RBHSC	0.00	0.00	0.00	0.00
RJMH	0.00	0.00	0.00	0.00
Royal Group of Hospitals	3.10	1.54	5.62	2.56
<b>Belfast Health &amp; Social Care Trust</b>	<b>1.55</b>	<b>0.77</b>	<b>3.68</b>	<b>1.40</b>
Antrim Area Hospital	6.44	6.33	2.09	0.00
Causeway Hospital	0.00	10.35	0.00	0.00
Dalriada Hospital	0.00	0.00	0.00	0.00
Mid Ulster Hospital	0.00	0.00	0.00	0.00
Moyle Hospital	0.00	0.00	0.00	0.00
Robinson Memorial Hospital	0.00	0.00	0.00	0.00
Whiteabbey Hospital	0.00	0.00	0.00	0.00
<b>Northern Health &amp; Social Care Trust</b>	<b>4.04</b>	<b>6.62</b>	<b>1.34</b>	<b>0.00</b>
Ards Hospital	0.00	0.00	0.00	0.00
Downe Hospital	0.00	0.00	0.00	0.00
Lagan Valley Hospital	0.00	0.00	0.00	0.00
Ulster Hospital	6.93	5.25	3.43	0.00
<b>South Eastern Health &amp; Social Care Trust</b>	<b>5.51</b>	<b>4.15</b>	<b>2.79</b>	<b>0.00</b>
Craigavon Area Hospital	2.06	0.00	0.00	2.11
Daisy Hill Hospital	0.00	5.70	6.11	0.00
Lurgan Hospital	0.00	0.00	0.00	0.00
South Tyrone Hospital	0.00	0.00	0.00	0.00
<b>Southern Health &amp; Social Care Trust</b>	<b>1.35</b>	<b>1.34</b>	<b>1.38</b>	<b>1.40</b>
Altnagelvin Area Hospital	0.00	0.00	0.00	0.00
Omagh Hospital	0.00	0.00	0.00	0.00
South West Acute Hospital	10.57	0.00	0.00	0.00
Waterside Hospital	0.00	0.00	0.00	0.00
<b>Western Health &amp; Social Care Trust</b>	<b>2.91</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>NI TOTAL</b>	<b>2.87</b>	<b>2.39</b>	<b>2.13</b>	<b>0.70</b>

**Table 2: Quarterly MRSA patient episodes, by HSCT, Oct 2024 – Sept 2025**

Trust	Oct - Dec 2024 Episodes	Jan - Mar 2025 Episodes	Apr - Jun 2025 Episodes	Jul - Sep 2025 Episodes
Belfast Health & Social Care Trust	2	1	5	2
Northern Health & Social Care Trust	3	5	1	0
South Eastern Health & Social Care Trust	4	3	2	0
Southern Health & Social Care Trust	1	1	1	1
Western Health & Social Care Trust	2	0	0	0
<b>NI TOTAL</b>	<b>12</b>	<b>10</b>	<b>9</b>	<b>3</b>

\*Bed day data were not available for NHSCT, SHSCT and WHSCT – provisional figures were used this quarter (figures taken from Jul-Sept 2024).



## Appendix 1

**Table 3: Quarterly rates\* of MSSA patient episodes, by hospital, Oct 2024 – Sept 2025**

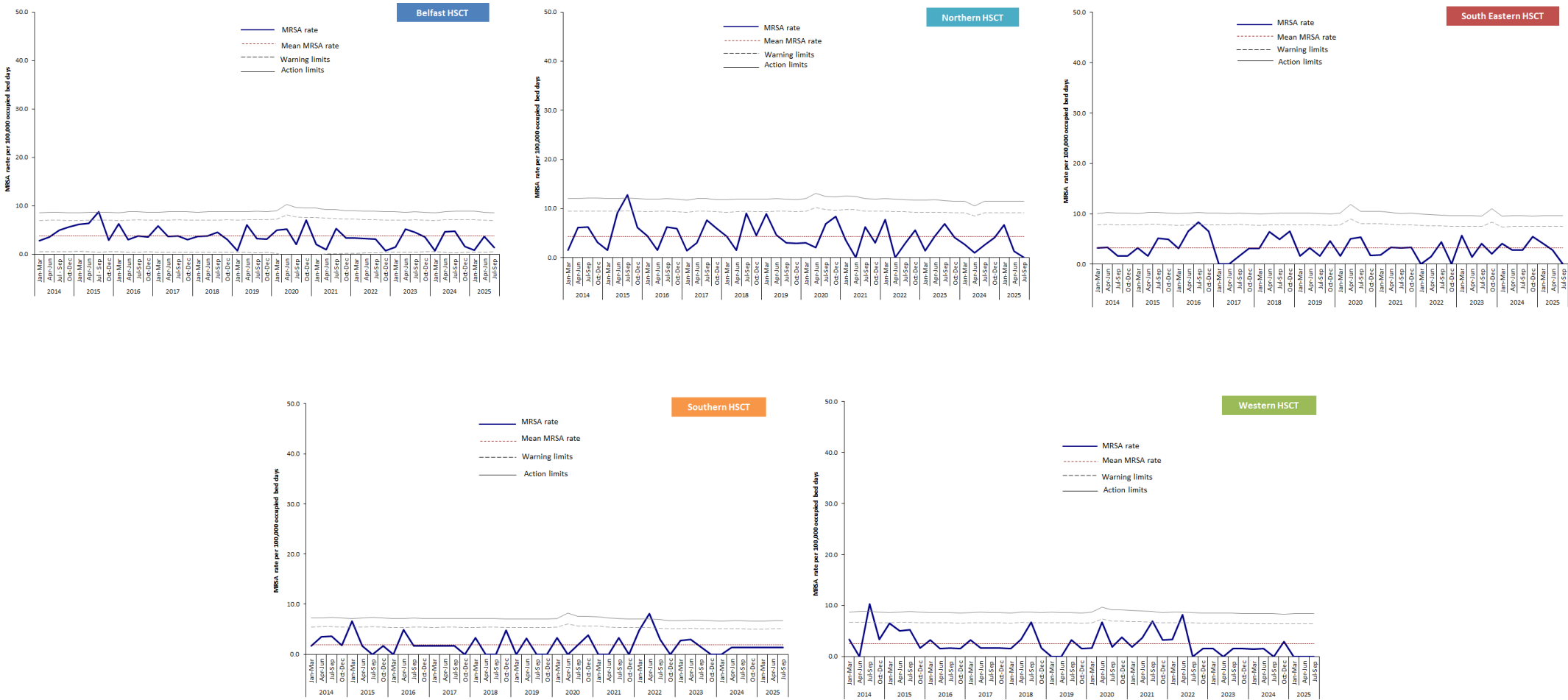
Hospital	Oct - Dec 2024	Jan - Mar 2025	Apr - Jun 2025	Jul - Sep 2025
Belfast City Hospital	31.00	0.00	15.13	7.46
Mater Infirmorum	12.76	32.13	17.49	29.02
Musgrave Park Hospital	16.61	0.00	11.94	0.00
NICCO	129.65	44.01	68.03	44.34
RBHSC	39.58	27.47	25.46	85.24
RJMH	0.00	0.00	0.00	0.00
Royal Group of Hospitals	48.00	41.62	33.71	35.91
<b>Belfast Health &amp; Social Care Trust</b>	<b>37.96</b>	<b>27.83</b>	<b>26.50</b>	<b>30.03</b>
Antrim Area Hospital	32.20	27.45	37.69	27.02
Causeway Hospital	25.77	31.04	52.60	26.02
Dalriada Hospital	0.00	0.00	0.00	0.00
Mid Ulster Hospital	0.00	0.00	0.00	0.00
Moyle Hospital	0.00	0.00	0.00	0.00
Robinson Memorial Hospital	0.00	0.00	0.00	0.00
Whiteabbey Hospital	0.00	0.00	0.00	0.00
<b>Northern Health &amp; Social Care Trust</b>	<b>26.94</b>	<b>25.15</b>	<b>37.40</b>	<b>23.76</b>
Ards Hospital	0.00	0.00	0.00	62.66
Downe Hospital	35.12	17.06	24.24	25.44
Lagan Valley Hospital	0.00	12.97	26.10	53.28
Ulster Hospital	41.56	43.77	37.72	38.79
<b>South Eastern Health &amp; Social Care Trust</b>	<b>35.79</b>	<b>37.37</b>	<b>34.87</b>	<b>40.10</b>
Craigavon Area Hospital	20.61	26.85	25.20	25.28
Daisy Hill Hospital	5.82	62.68	48.89	51.21
Lurgan Hospital	0.00	0.00	0.00	41.37
South Tyrone Hospital	0.00	0.00	0.00	0.00
<b>Southern Health &amp; Social Care Trust</b>	<b>14.86</b>	<b>32.17</b>	<b>27.65</b>	<b>30.80</b>
Altnagelvin Area Hospital	39.05	15.69	15.55	21.31
Omagh Hospital	0.00	0.00	0.00	0.00
South West Acute Hospital	10.57	26.51	38.34	21.54
Waterside Hospital	0.00	0.00	0.00	0.00
<b>Western Health &amp; Social Care Trust</b>	<b>24.71</b>	<b>16.55</b>	<b>19.44</b>	<b>17.85</b>
<b>NI TOTAL</b>	<b>29.37</b>	<b>27.97</b>	<b>28.94</b>	<b>28.85</b>

**Table 4: Quarterly MSSA patient episodes, by HSCT, Oct 2024 – Sept 2025**

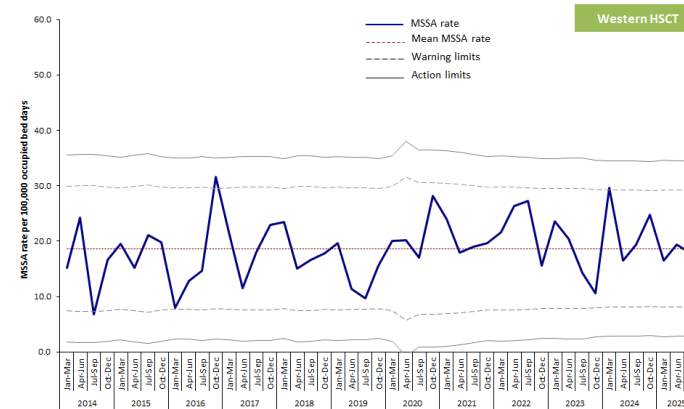
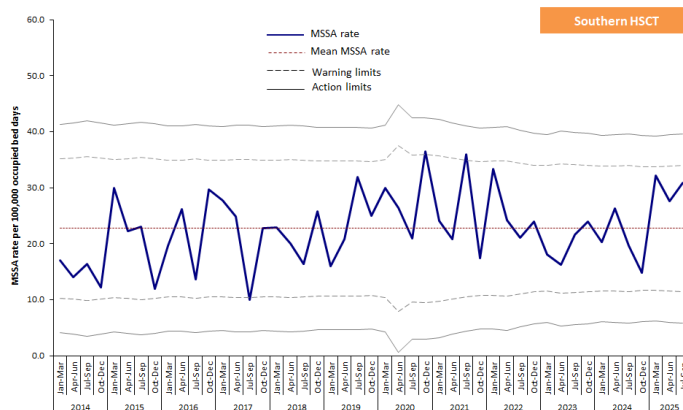
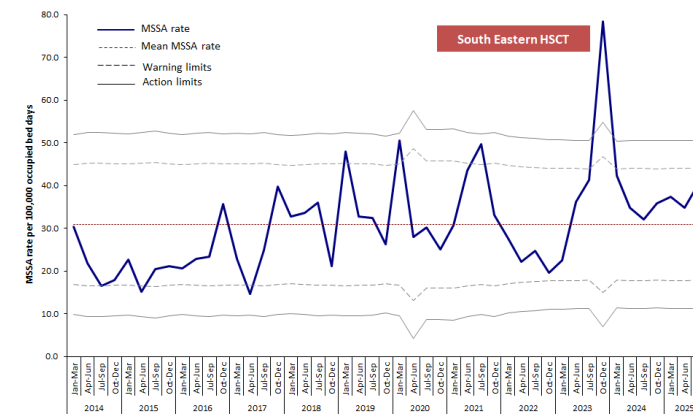
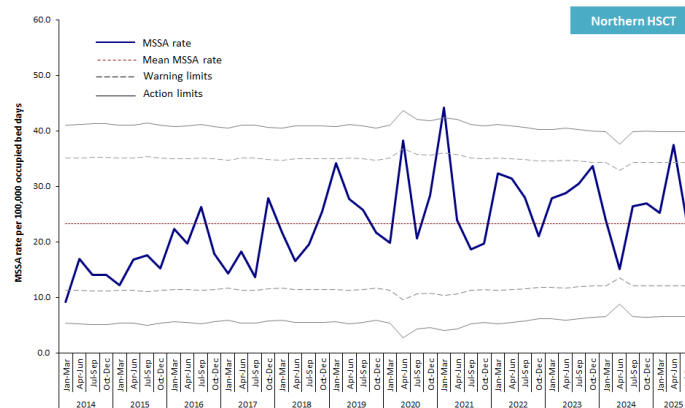
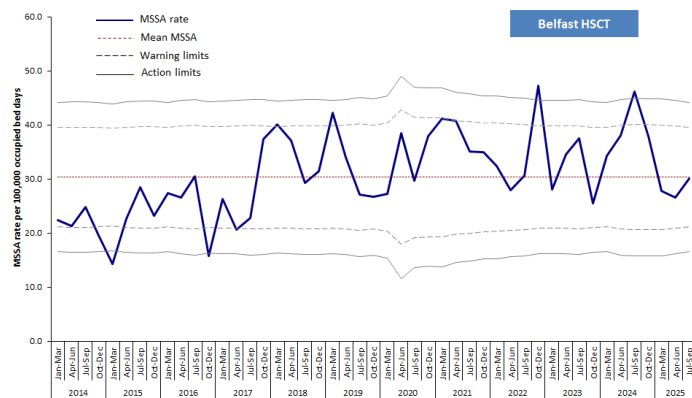
Trust	Oct - Dec 2024 Episodes	Jan - Mar 2025 Episodes	Apr - Jun 2025 Episodes	Jul - Sep 2025 Episodes
Belfast Health & Social Care Trust	49	36	36	43
Northern Health & Social Care Trust	20	19	28	18
South Eastern Health & Social Care Trust	26	27	25	29
Southern Health & Social Care Trust	11	24	20	22
Western Health & Social Care Trust	17	11	13	12
<b>NI TOTAL</b>	<b>123</b>	<b>117</b>	<b>122</b>	<b>124</b>

\*Bed day data were not available for NHSCT, SHSCT and WHSCT – provisional figures were used this quarter (figures taken from Jul-Sept 2024).

Appendix 2: Trends in MRSA rates, by HSCT and quarter, Jan 2014 – Sept 2025



## Appendix 2: Trends in MSSA rates, by HSCT and quarter, Jan 2014 – Sept 2025



### Appendix 3

**Table 5: MSSA, MRSA and total *S. aureus* patient episode rates, and the percentage of *S. aureus* reported as MRSA, in Northern Ireland, Jan 2021 – Sept 2025.**

Quarter	MSSA rate	MRSA rate	All <i>S. aureus</i> rate	% MRSA
Jan-Mar 2021	34.09	1.88	35.96	5.2
Apr-Jun 2021	31.29	1.46	32.75	4.5
Jul-Sep 2021	32.21	5.00	37.21	13.4
Oct-Dec 2021	26.42	2.70	29.12	9.3
Jan-Mar 2022	29.98	3.75	33.73	11.1
Apr-Jun 2022	26.66	3.92	30.58	12.8
Jul-Sep 2022	26.96	2.80	29.75	9.4
Oct-Dec 2022	29.06	1.45	30.51	4.8
Jan-Mar 2023	24.64	2.42	27.06	8.9
Apr-June 2023	28.66	3.18	31.84	10.0
Jul-Sep 2023	30.68	3.90	34.57	11.3
Oct-Dec 2023	29.61	2.65	32.02	8.3
Jan-Mar 2024	30.70	1.85	32.32	5.7
Apr-Jun 2024	27.13	2.49	29.62	8.4
Jul-Sep 2024	31.18	2.66	33.84	7.9
Oct-Dec 2024	29.37	2.87	32.23	8.9
Jan-Mar 2025	27.97	2.39	30.36	7.9
Apr-Jun 2025	28.94	2.13	31.07	6.9
Jul-Sep 2025	28.85	0.70	29.54	2.4

## Appendix 4

**Table 6: MRSA patient episodes for each financial year, by HSCT**

<b>HSCT</b>	<b>Financial Year</b>						
	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Belfast	16	22	15	15	11	21	15
Northern	16	9	12	11	7	13	11
South Eastern	12	7	7	6	8	8	11
Southern	3	4	3	5	9	3	4
Western	7	4	7	10	7	3	3
Northern Ireland	54	46	44	47	42	48	44

**Table 7: MSSA patient episodes for each financial year, by HSCT**

<b>HSCT</b>	<b>Financial Year</b>						
	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Belfast	189	147	138	166	176	182	194
Northern	64	63	73	60	75	85	74
South Eastern	85	88	59	95	62	125	101
Southern	48	67	54	66	59	58	68
Western	42	35	46	46	58	49	52
Northern Ireland	428	400	370	433	430	499	489