

Peripheral Venous Catheter Related Staphylococcus Aureus Bacteraemia: A Quality Improvement Project

Aim: Reduce avoidable harm by decreasing prevalence of PVC related SABs by 50% for June 2023

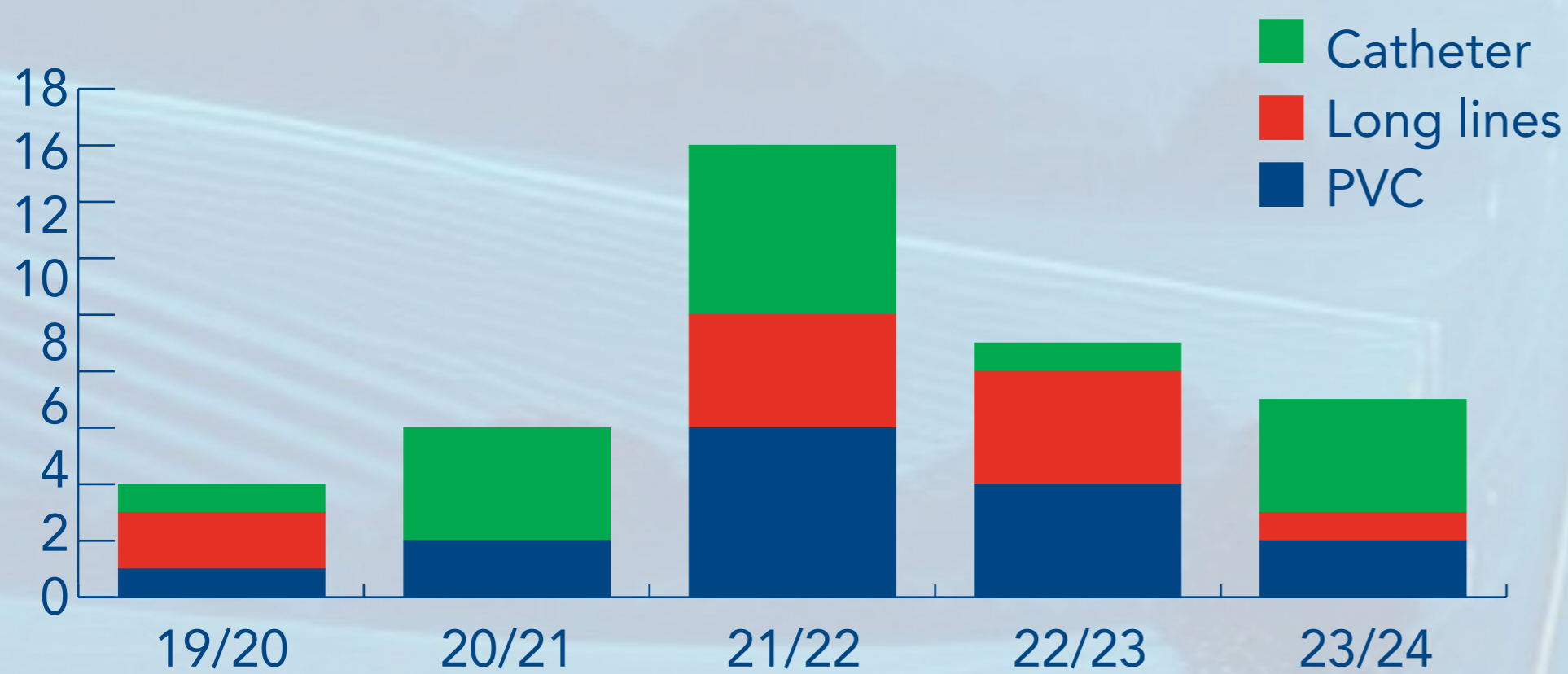
SITUATION

In the fiscal year 2023/2024, our organisation achieved significant progress in managing PVC related SABs. The reduction trends are:
 2022/2023; 50% reduction compared to the previous year.
 2023/2024: Additional 50% reduction from the preceding year.
 Cumulative Reduction: Approximately 66.6% over the 2 year time frame (2022/2024)

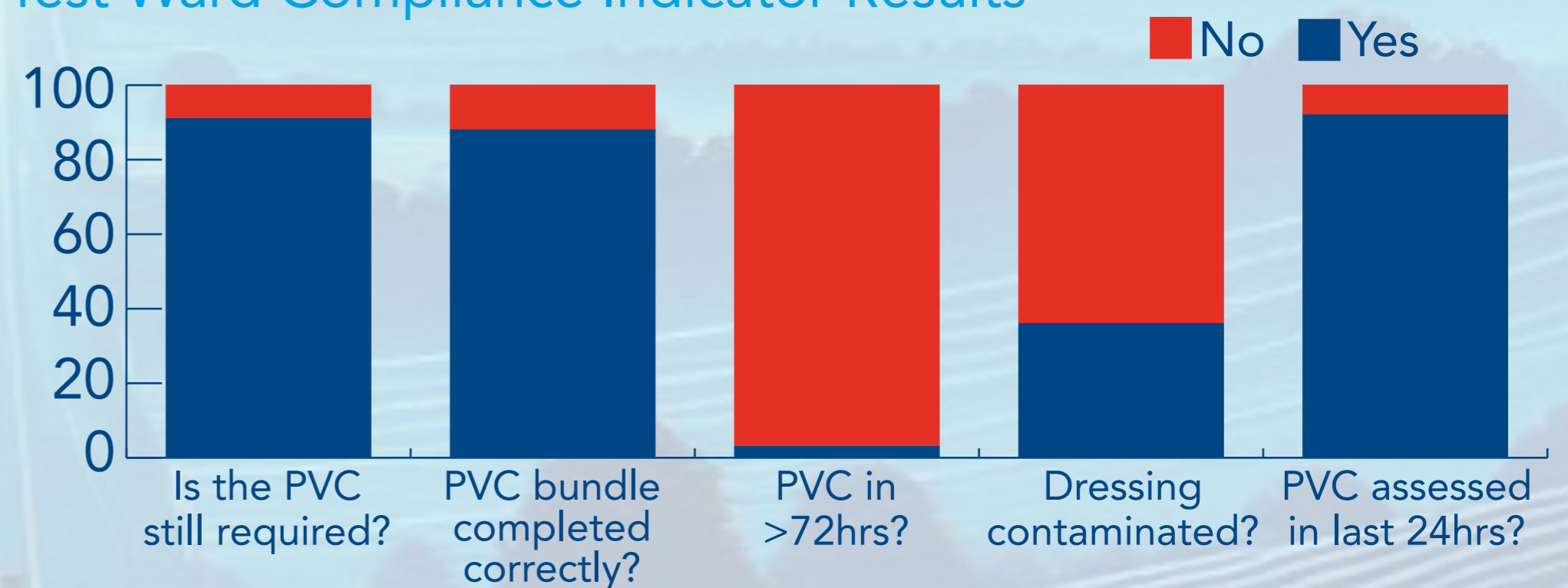
BACKGROUND

NHS Dumfries and Galloway exceeded ARHAI Scotland's limit for Healthcare-Associated Infections (HCAI) SAB in 2022/23, recording 36 cases, including 6 linked to PVCs. This spurred a quality improvement project targeting PVC-related SABs, aiming to enhance patient safety and care through systematic interventions and focused improvements.

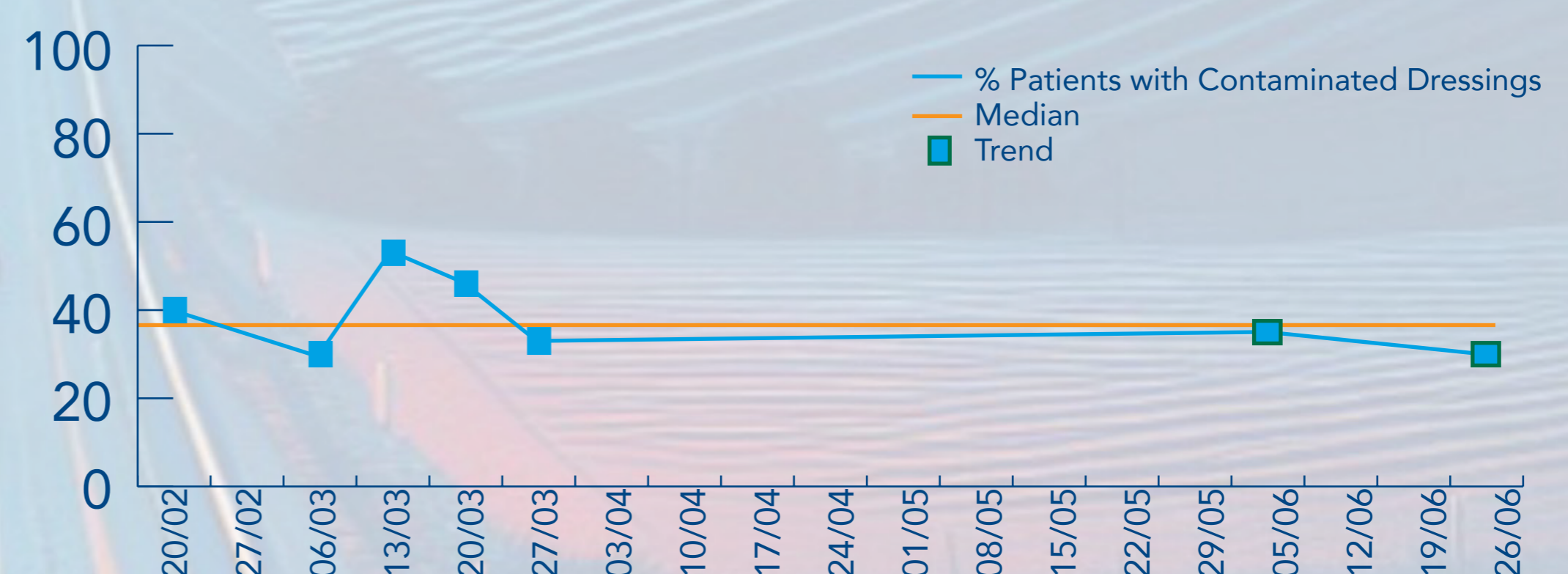
Device Associated HAI/HCAI SAB by Year



Test Ward Compliance Indicator Results



% Patients with Contaminated Dressings



ASSESSMENT

Key Events:

- Identified key members and established communication channels.
- Attended improvement seminars and learned from guest speakers.
- Initiated PVC audits focusing on insertion, maintenance, and removal.

Results:

- Identified areas for improvement: incomplete documentation and dressing contamination.
- Uncovered lack of understanding regarding PVC practices.
- Implemented changes including VIP scoring chart and education initiatives.

Next Steps:

- Trial commencement with Vygon Single Lumen extension sets on 04/03/2024.
- Dissemination of training materials and feedback collection.

RECOMMENDATIONS

To sustain progress, our focus remains on reducing PVC-related SABs to 0% in Dumfries and Galloway. Next steps include extending the successful trial to C6 Surgical Ward, leveraging past work for quicker implementation, presenting costing for permanent changes, and reviewing dressing practices for further risk reduction. These actions aim to bolster patient care and safety.

The journey continues as we strive for ongoing improvement and excellence. Our commitment to refining processes and achieving better outcomes remains steadfast, paving the way for a healthier future.

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