



Te Tāhū Hauora
Health Quality & Safety
Commission

Te Tāhū Hauora Health Quality & Safety Commission Infection prevention and control programme

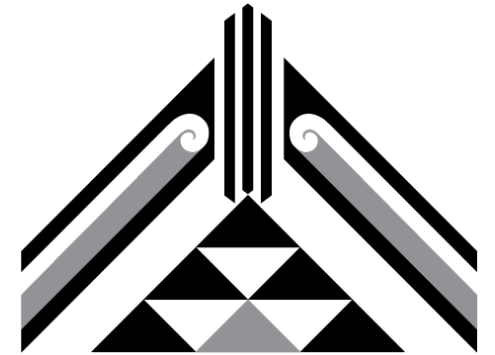
An introduction

Infection prevention
and control programme
Te rōpū tohutohu
rautaki ārai mate



Te Tāhū Hauora

Health Quality & Safety
Commission

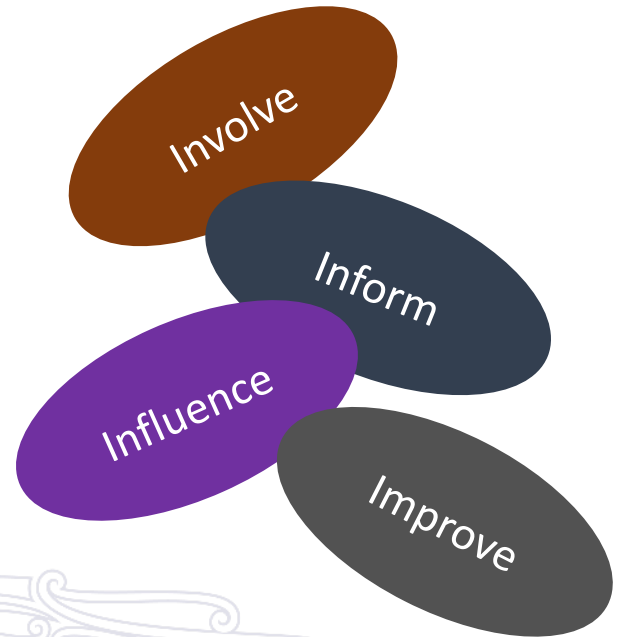


- The role of Te Tāhū Hauora is to lead and coordinate efforts to improve service quality and safety across the health and disability sector
- Te Tāhū Hauora has led a national infection prevention and control (IPC) programme in partnership with others since 2011
- The programme is funded by Te Whatu Ora – Health New Zealand districts



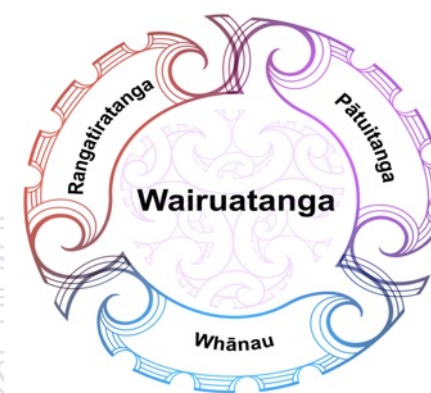
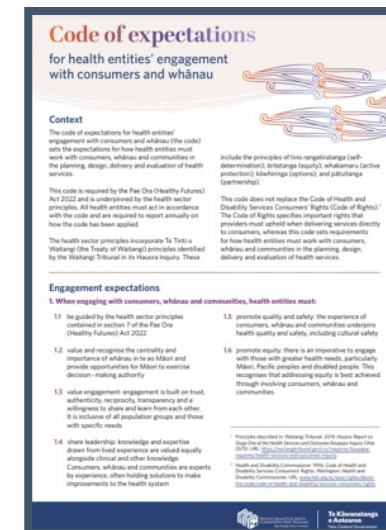
Quality health for all

- The IPC programme aims to contribute to achieving the vision of Te Tāhū Hauora: ‘Hauora kounga mō te katoa – quality health for all’
- Ā mātau kaupapa rautaki matua | Te Tāhū Hauora strategic priorities:
 - improving experience for consumers and whānau
 - embedding and enacting Te Tiriti o Waitangi, supporting mana motuhake
 - achieving health equity
 - strengthening systems for high-quality services



Quality health for all

- Code of expectations for health entities' engagement with consumers and whānau: www.hqsc.govt.nz/resources/resource-library/code-of-expectations-for-health-entities-engagement-with-consumers-and-whanau/
- Te ao Māori framework: considers four cultural concepts that are key to quality care: www.hqsc.govt.nz/resources/resource-library/te-ao-maori-framework/



Our aim

- The aim of the national IPC programme of Te Tāhū Hauora is to improve patient outcomes by reducing the incidence and impact of healthcare-associated infections (HAIs) within the Aotearoa New Zealand health and disability sector
- We provide support and advice on IPC and quality improvement (QI), drawing on current evidence and the IPC team's collective knowledge and experience in quality and safety



Meet the IPC team

- Nikki Grae, Senior Manager
- Jeanette Bell, Project Manager
- Amanda Wood, Specialist, IPC
- Dr Ruth Barratt, Specialist, IPC
- Marie Talbot, Programme Coordinator
- Harini Srinivasan, Data Analyst
- Grace Clendon, Data Analyst
- Dr Sally Roberts, Clinical Lead
- Dr Arthur Morris, Clinical Lead



The IPC team, left to right:
Sally Roberts, Ruth Barratt, Nikki Grae,
Jeanette Bell, Amanda Wood, Marie Talbot,
Arthur Morris, Harini Srinivasan, Grace Clendon



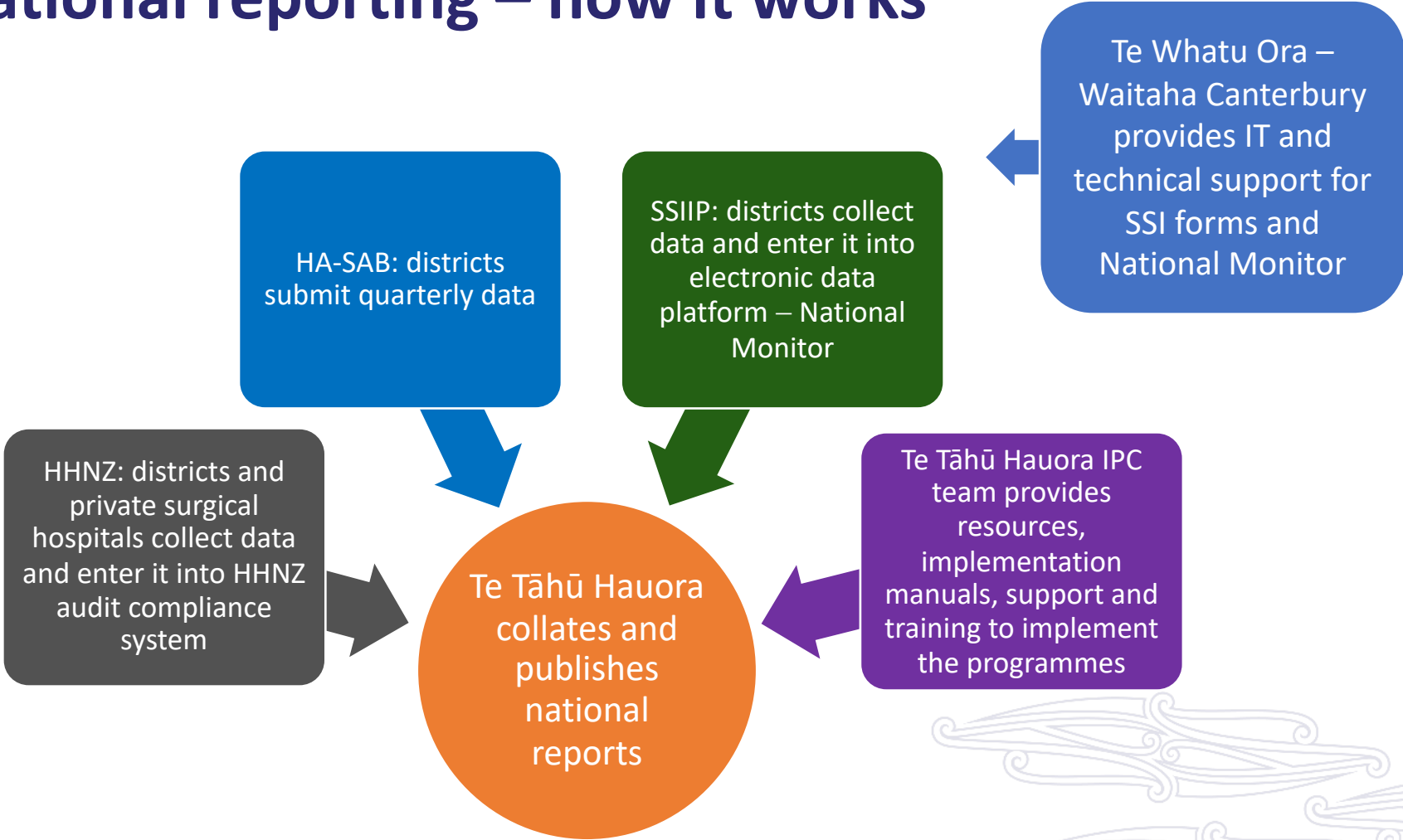


Our work

- Three national quality improvement programmes:
 - Surgical Site Infection Improvement Programme (SSIIP)
 - Hand Hygiene New Zealand (HHNZ) programme
 - Healthcare-associated *Staphylococcus aureus* bacteraemia (HA-SAB) surveillance
- Projects associated with these programmes:
 - Anti-staphylococcal bundle collaborative
 - Implementation of recommendations from HHNZ review
 - Peripheral intravenous catheter (PIVC) quality improvement initiative
- Ongoing work from national HAI point prevalence survey
- Communications with the IPC sector
 - Website
 - Newsletter
 - Education
 - Conferences



National reporting – how it works



Our web pages

hqsc.govt.nz/our-work/infection-prevention-and-control



Mō mātou
About us →



Ngā kaupapa
Our programmes →



Ngā mahi ārai mate, arataki
IPC practices →



Mātauranga me te ako
Training and education →



Ngā korero ki Infection prevention and control
Infection prevention and control news →



Ngā pātai ki Infection prevention and control
Infection prevention and control events →



Ngā rauemi ki Infection prevention and control
Infection prevention and control resources →

[Home](#) > [Our work](#) > [Infection prevention and control](#)

Taupā me te whawhai i te poke Infection prevention and control

The Commission's national Infection prevention and control (IPC) programme aims to improve patient outcomes by reducing the incidence and impact of healthcare associated infections (HAIs) within the New Zealand health and disability sector.



Surgical Site Infection Improvement Programme

SSII Surgical Site Infection
Improvement Programme



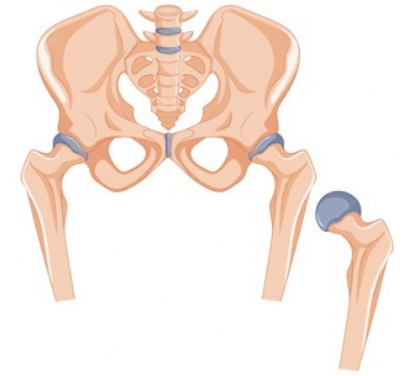
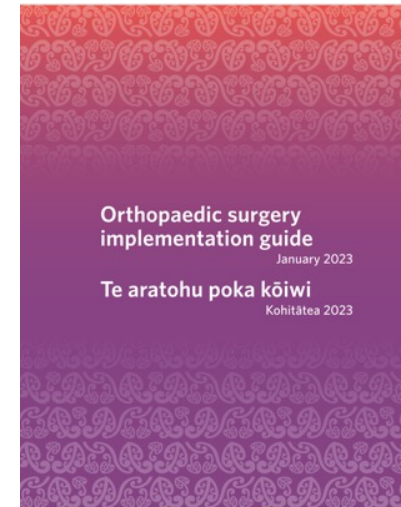
Purpose of programme

- The SSIP provides a consistent, evidence-based approach to collecting and reporting high-quality national data about surgical site infections (SSIs) for orthopaedic (hip and knee) and cardiac surgery
- It:
 - enables standardisation of data so it can be analysed and reported, both locally and nationally
 - gives hospitals a robust system for reporting infection rates that can be made available to clinicians
 - provides consistency in measurements
 - enables comparison between districts

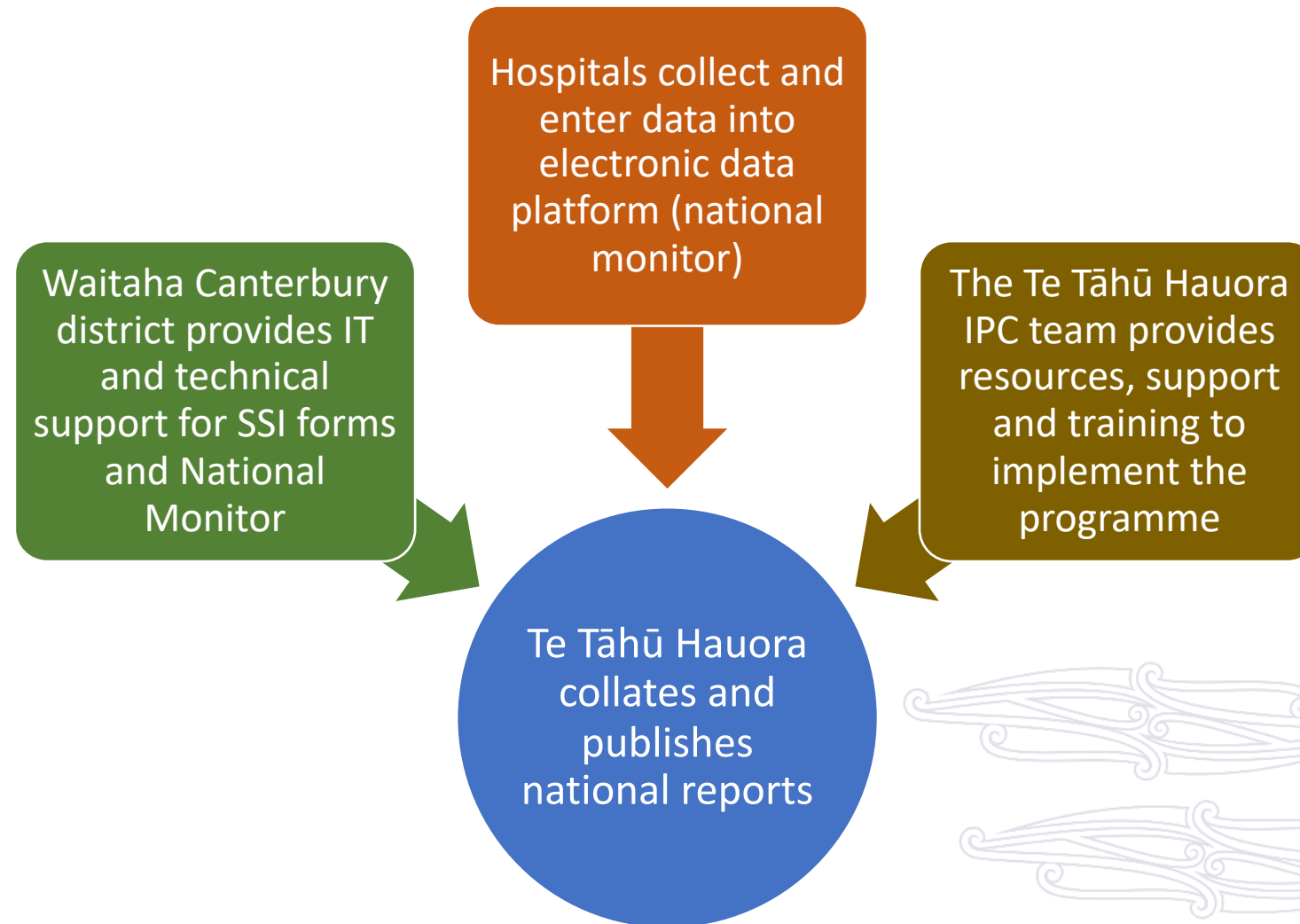


SSIIP components

- Surveillance and national reporting through National Monitor
 - orthopaedic 'full' and 'light' SSI surveillance
 - SSI investigation tool for light surveillance
 - cardiac SSI surveillance
 - implementation manuals
- Anti-staphylococcal bundle collaborative
 - a multi-centre collaborative to minimise *S. aureus* skin colonisation before surgery




National reporting – how it works





What we report (quarterly)

- Outcome measure:* SSI rate per 100 procedures
 - Orthopaedic process measures (full surveillance only):
 - antimicrobial timing and dosage*
 - duration of post-operative antimicrobials
 - Cardiac process measures:
 - antimicrobial timing and dosage*
 - skin antisepsis*
 - duration of post-operative antimicrobials
 - Risk of increase in orthopaedic SSIs (variable life-adjusted display report)
- 

*Also reported as a quality safety marker (QSM)

SSI investigation tool

- Use of the SSI investigation tool is a requirement of light surveillance
- Used to review orthopaedic SSIs, prioritising deep and organ space infections and superficial infections leading to readmission
- Optional (but encouraged) use for full surveillance
- Helps identify other contributing factors for SSIs, apart from the existing process measures
- Quarterly meeting to review case studies and QI learnings



Surgical site infection investigation tool

For background information on the tool, go to: www.hqip.org.uk/our-programme/surgical-site-infection
ssi@hqip.org.uk or <https://www.hqip.org.uk/our-programme/surgical-site-infection>

Essential information used in the tool are given at the end.

Patient information	
Name:	
Gender: <input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> Other	Insert patient's doctor here if available
Date of birth:	
Admission/discharge	
Was the patient discharged by pre-admission clinic? <input type="checkbox"/> Y <input type="checkbox"/> N	
Date of admission (for surgery):	
Date of discharge:	
Date of death (if applicable):	
Date of re-admission:	
Transfer from another acute care hospital? <input type="checkbox"/> Y <input type="checkbox"/> N	
Pre-operative length of stay (primary admission):	
Post-operative length of stay (primary admission):	
Infection details	
Type of SSI: <input type="checkbox"/> Superficial <input type="checkbox"/> Deep <input type="checkbox"/> Organ space <input type="checkbox"/> Not stated	
Organ(s) identified: 1	2
Date SSI symptoms identified:	Date SSI confirmed by surgical team:
ACC treatment plans given: <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Unknown	SAC rating: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Infectant?	

Surgical site infection investigation tool (print version) 1

Surgical site infection investigation tool (print version) 2

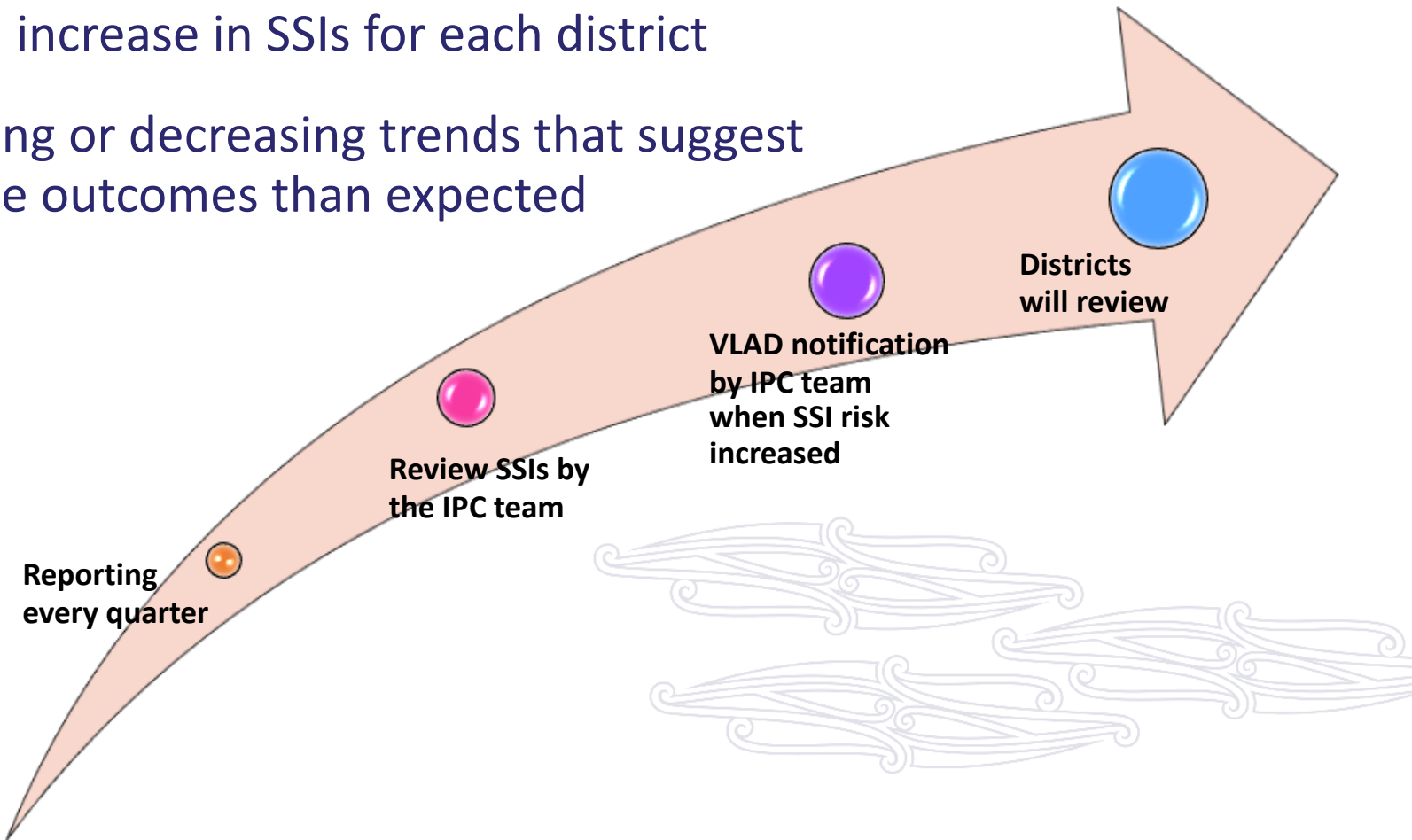
Surgical site infection investigation tool (print version) 3

Surgical site infection investigation tool (print version) 4

Surgical site infection investigation tool (print version) 5

Variable life-adjusted display (VLAD)

- A tool for tracking the risk of orthopaedic SSIs in districts
- Displays a visual-coloured status box that reflects the current risk of an increase in SSIs for each district
- Also displays increasing or decreasing trends that suggest either better or worse outcomes than expected



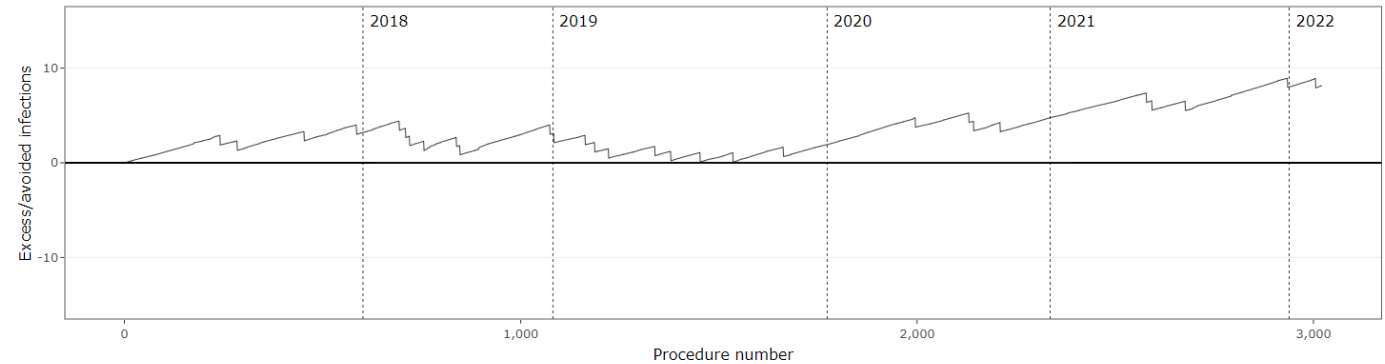
VLAD report

- If the status box is green and says 'Normal', there is no indication of an increase in SSI risk
- If the status box is yellow and says 'Warning', there may have been an increase in SSI risk, but it is not yet statistically significant

Status box

Normal

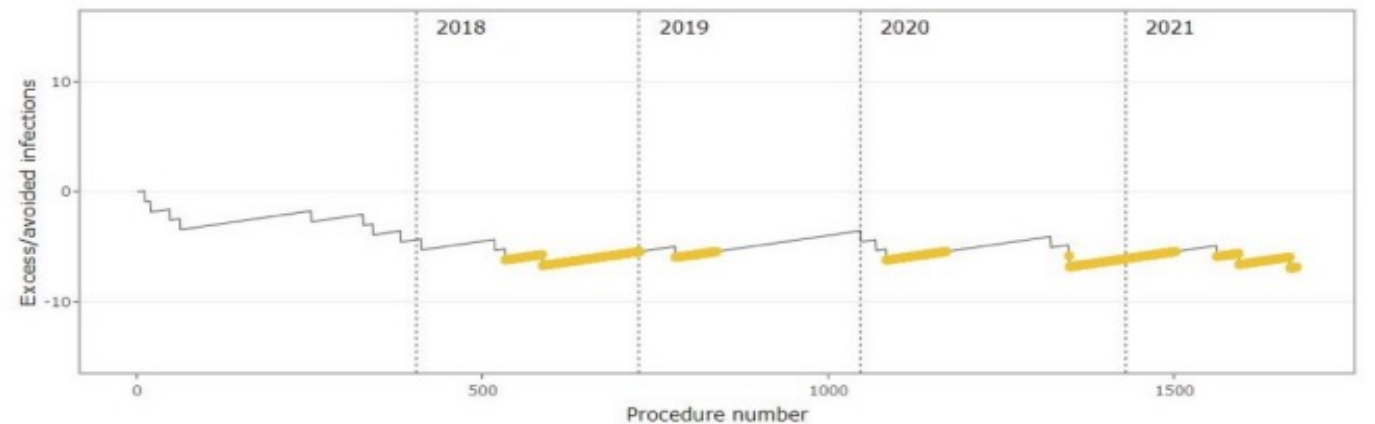
VLAD chart



Status box

Warning

VLAD chart





Hand Hygiene New Zealand programme



HHNZ programme

- A quality improvement initiative
- Measures hand hygiene performance rates, with timely reporting of results to improve hand hygiene practice
- Promotes a multimodal approach to increasing hand hygiene compliance in health care settings by addressing hand hygiene through a range of activities
- Uses the World Health Organization '5 moments for hand hygiene' approach for hand hygiene opportunities





Participation in HHNZ

- All 19 districts since 2012, and 20 private surgical hospitals
 - Ward- and unit-based auditors trained to collect hand hygiene compliance data
 - Audit data directly uploaded to a database managed by the IPC team
 - Practice underpinned by the Hand Hygiene Australia online learning modules
 - Te Tāhū Hauora collates data and publishes a report three times a year – available as a PDF on our website
 - Implementation manuals available on our website
- 

Hand hygiene support

- Online education modules
- World Hand Hygiene Day activities and resources
- Posters and other hand hygiene resources
- Hand hygiene networks (in planning)
- Hand hygiene dashboard (under development)





More information

- Website: hqsc.govt.nz/our-work/infection-prevention-and-control/our-programmes/hand-hygiene
- General enquiries: HHNZ@hqsc.govt.nz
- Marie Talbot
Programme coordinator
DDI: 04 913 1748
marie.talbot@hqsc.govt.nz

Ringa horoia Hand hygiene

Guidance


Auditing apps

Compliance reports and QSM

Hand hygiene training

World Hand Hygiene Day

Marketing resources

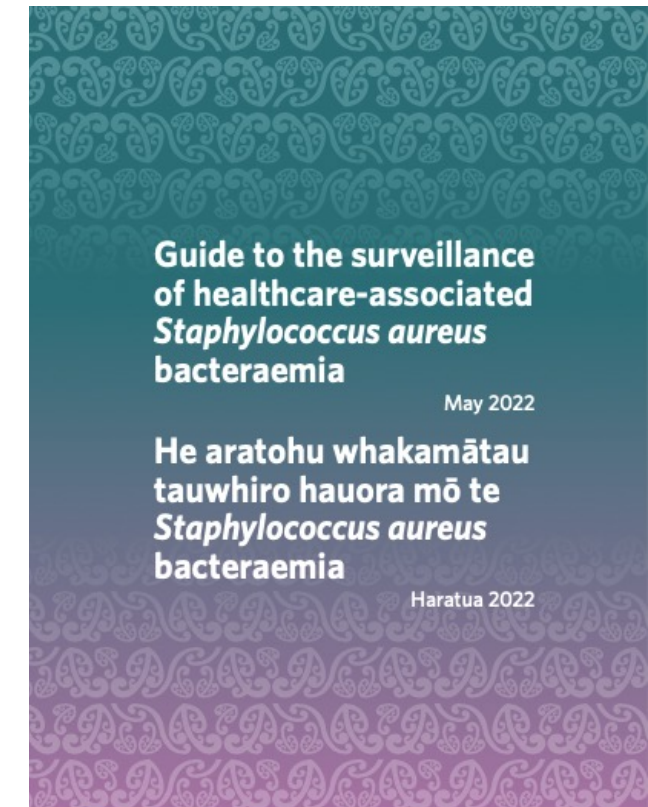




**Healthcare-associated
Staphylococcus aureus
bacteraemia (HA-SAB)
surveillance**

HA-SAB surveillance

- Rates of HA-SAB used as a QSM for the HHNZ programme
- Districts submit HA-SAB data each quarter to c-Cache cloud storage
 - includes details of HA-SAB source
 - quarterly reports
- Implementation manual on website
- Website has more information and resources:
www.hqsc.govt.nz/our-work/infection-prevention-and-control/our-programmes/healthcare-associated-s-aureus-bacteraemia-ha-sab/



National healthcare-associated infection point prevalence survey

- First national HAI point prevalence survey undertaken in 2021 in 20 district health boards
- A national report was published on 4 May 2022: hqsc.govt.nz/resources/resource-library/pps-report-2022
- Districts received final individual reports in 2022
- Further analysis of data to inform future QI initiatives
- Follow-up engagement meetings with sector

Healthcare-associated infections (HAIs)


1 in 15
patients
(approximately)
had an HAI





Other Te Tāhū Hauora IPC projects and activities

- Quarterly newsletter
- Calendar of events
- Participation in global awareness days – eg, World Hand Hygiene Day, Antimicrobial Resistance Awareness Week
- Presentations at national and overseas conferences
- Journal publications
- Participation in national IPC groups and committees





Training and education

- Regular training days for SSIP and other programmes
- Provision of online access to IPC education modules
- Webinars on current topics of interest
- Individual training for IPC champions



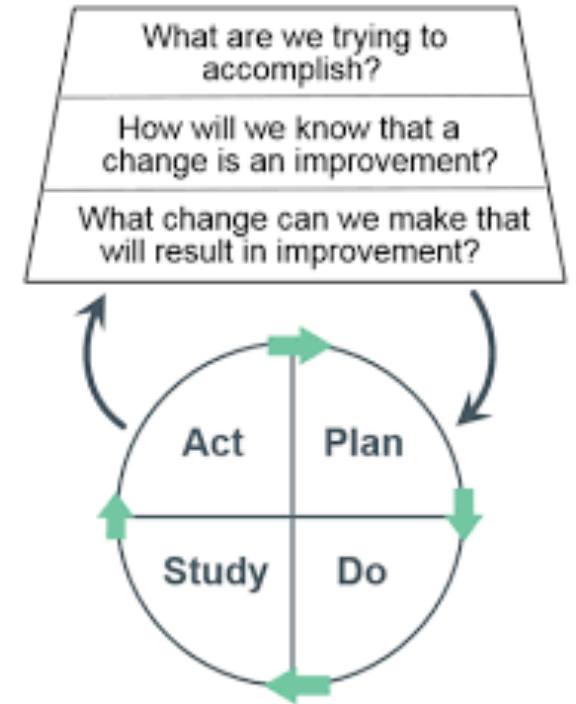


Quality improvement online learning opportunities

‘Improving together’

- Course available via the LearnOnline platform: learnonline.health.nz/course/index.php?categoryid=172
- Course contents:
 - Module 1: Principles and benefits of quality
 - Module 2: Teamwork, consumer engagement and a whānau-centred approach
 - Module 3: Systems thinking
 - Module 4: The Model for Improvement

Model for Improvement



Co-design in health

- Course available via the LearnOnline platform: learnonline.health.nz/course/view.php?id=573
- The course explores the six stages of a co-design process and how it enables you to engage consumers, whānau, staff and other stakeholders to design and provide health services that better meet the needs of people





Human factors in health care

- Course available via the LearnOnline platform: learnonline.health.nz/course/view.php?id=579
- The module is designed to develop your knowledge of human factors within an Aotearoa New Zealand health care context



More information

- IPC webpages for all programmes and projects:
hqsc.govt.nz/our-work/infection-prevention-and-control
- General IPC programme enquiries:
ipc@hqsc.govt.nz
- HHNZ enquiries: honz@hqsc.govt.nz
- SSIIP enquiries: ssiip@hqsc.govt.nz

