

## Quality and Safety Markers - January to March 2014

FALLS: older patients assessed for risk of falling (goal 90%)

DHB	Score
Waikato	98
Waitemata	98
Counties Manukau	98
Nelson Marlborough	93
South Canterbury	92
Northland	92
Taranaki	92
Hawke's Bay	90
Auckland	90
Whanganui	90
Canterbury	89
Wairarapa	88
MidCentral	86
Tairāwhiti	85
West Coast	85
Capital and Coast	85
Lakes	85
Southern	83
Bay of Plenty	76
Hutt Valley	76
New Zealand average	90

PERIOPERATIVE HARM (harm from surgery): all parts of the surgical safety checklist used in operations (goal 90%)

DHB	Score
Lakes	100
MidCentral	98
Capital and Coast	98
Waitemata	97
Northland	96
Taranaki	95
Southern	95
West Coast	93
Hutt Valley	93
Whanganui	91
Hawke's Bay	91
Bay of Plenty	90
South Canterbury	90
Counties Manukau	90
Tairāwhiti	87
Wairarapa	86
Nelson Marlborough	85
Waikato	74
Auckland	70
Canterbury	68
New Zealand average	93

CLAB: ICU central line insertions compliant with good practice (goal 90%)

Level	DHB	Score
1&2	Hawkes Bay	100
	Nelson Marlborough	100
	Tairāwhiti	100
	West Coast	100
	Bay of Plenty	96
	Taranaki	95
	Whanganui	94
	Hutt Valley	93
	Northland	91
	South Canterbury	90
	Waitemata	90
	Lakes	90
	Midcentral	81
	3	Capital & Coast
Southern		100
Auckland		98
Waikato		96
Counties Manukau		95
Canterbury	90	
New Zealand average	97	

Level 3 ICUs deal with more complex cases than levels 1 and 2. They are split to compare similar ICUs with each other

SURGICAL SITE INFECTION: Antibiotic given 0-60 minutes before "knife to skin" (baseline data October to December 2013) (goal 100%)

DHB name	Score
Wairarapa	100
Waikato	99
Auckland	98
Lakes	98
Mid Central	98
Canterbury	97
Capital & Coast	96
Whanganui	93
Waitemata	92
Tairāwhiti	91
Taranaki	91
Bay of Plenty	90
Northland	89
Hawkes Bay	88
Nelson Marlborough	87
Hutt Valley	86
South Canterbury	83
West Coast	83
Counties Manukau	70
Southern	68
New Zealand average	90

HARM AND COST April 2013 to March 2014	
	April 2014
Falls resulting in a fractured neck of femur	90
Additional bed days	832
Estimated cost (\$)	2,430,000

HARM AND COST April 2013 to March 2014		
	DVT/ PE	Sepsis
Events & readmissions	664	630
Additional bed days	1,483	978
Additional cost (\$000)	1,142	753
Additional bed day cost estimate	1,141,910	753,060

Sepsis = systemic infection across the body  
DVT/PE = blood clots

HARM AND COST AVOIDED IN NEW ZEALAND January 2012 to April 2014 (data has been collected for two years on CLAB - longer than for the other markers)	
Avoided CLAB	182
Avoided Cost (\$)	3,646,460

HARM AND COST (July to December 2013) Hip and Knee replacements	
Surgical site infections	60
Infections per 1000 operations	13
Sum of Estimated cost (\$)	1,062,600

**HAND HYGIENE: Percentage of opportunities for hand hygiene taken (goal 70%) Nov 2013 to March 2104**  
(DHBs that submitted 100% or more of the required moments\*)

DHB	Percentage
Wairarapa	82
Tairāwhiti	81
Whanganui	78
Auckland	77
Waitemata	75
Bay of Plenty	75
Capital and Coast	75
South Canterbury	75
Lakes	74
West Coast	72
Counties Manukau	72
Southern	72
Waikato	71
Nelson Marlborough	70
Northland	69
New Zealand average	73

\*The World Health Organisation has identified five opportunities (commonly known as the 5 Moments of Hand Hygiene) in the course of treating a patient when hand hygiene should be practiced. These figures are based on observing practice in hospitals. There is a required number of opportunities or 'moments' which need to be observed in order for us to be confident in the results. Three DHBs did not observe this number of moments in this period and these are shown separately. More details on the 5 moments of hand hygiene are available from <http://www.handhygiene.org.nz/>

DHBs that submitted 50 to 100% of the required moments

Hawke's Bay	70
Canterbury	68
MidCentral	66

DHBs that submitted fewer than 50% of the required moments

Taranaki	71
Hutt Valley	61

HARM: Staph aureus infections

Indicator	April 2013 to March 2014
Staph Aureus infections	289

Staph. aureus is a common infection in New Zealand hospitals which is associated with poor hand hygiene