

Quality and Safety Markers - October to December 2013

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

DHB	
Counties Manukau	100
Waikato	99
South Canterbury	98
Waitemata	96
Auckland	96
Whanganui	92
Tairāwhiti	91
Lakes	91
Southern	91
Northland	90
Nelson Marlborough	89
MidCentral	88
Taranaki	88
Canterbury	86
Bay of Plenty	80
Wairarapa	79
Capital and Coast	77
Hawke's Bay	75
Hutt Valley	73
West Coast	66
New Zealand average	90

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

DHB	
Capital and Coast	98
Lakes	98
Southern	97
Waitemata	97
Northland	96
Counties Manukau	93
Wairarapa	93
Hawke's Bay	93
West Coast	92
Taranaki	92
South Canterbury	91
Whanganui	88
MidCentral	87
Bay of Plenty	84
Tairāwhiti	82
Waikato	82
Hutt Valley	80
Canterbury	76
Nelson Marlborough	74
Auckland	71
New Zealand average	93

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

Level	DHB	
1&2	Hawkes Bay	100
	Nelson Marlborough	100
	Northland	100
	Tairāwhiti	100
	West Coast	100
	Bay of Plenty	95
	Whanganui	91
	South Canterbury	90
	Hutt Valley	89
	Waitemata	87
	Taranaki	85
	Midcentral	84
	Lakes	56
	3	Capital & Coast
Southern		100
Auckland		98
Waikato		96
Counties Manukau		90
Canterbury		88
New Zealand average		95

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

DHB	Primary hip and knee replacement
Hutt Valley	99
Northland	98
Auckland	97
South Canterbury	96
Bay of Plenty	96
Hawkes Bay	95
Canterbury	94
Capital & Coast	93
Taranaki	93
Nelson Marlborough	92
Lakes	91
Mid Central	91
Tairāwhiti	90
Whanganui	90
Waitemata	87
West Coast	87
Waikato	86
Southern	77
Wairarapa	50
Counties Manukau	50
New Zealand average	89

HARM AND COST 2013	
	2013
Falls resulting in a fractured neck of femur	97
Additional bed days	1,652
Estimated cost (\$)	2,619,000

HARM AND COST 2013		
	DVT/ PE	Sepsis
Events & readmissions	683	630
Additional bed days	1,505	1,110
Additional bed day cost estimate	1,158,850	854,700

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

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

HARM AND COST AVOIDED IN NEW ZEALAND in 2012 and 2013 (data has been collected for two years on CLAB - longer than for the other markers)

Avoided CLAB	167
Avoided Cost (\$)	3,340,000

HARM AND COST (July to September 2013) Hip and Knee replacements

Surgical site infections	31
Infections per 1000 operations	16
Estimated cost (\$)	549,010

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

DHB	Percentage
Tairāwhiti	78
Wairarapa	78
Whanganui	77
Auckland	76
Northland	76
Counties Manukau	75
South Canterbury	72
MidCentral	72
Waitemata	71
Capital and Coast	71
West Coast	71
Southern	69
Canterbury	68
Lakes	68
Nelson Marlborough	67
Waikato	66
Bay of Plenty	65
New Zealand	71

*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 51 to 99% of the required moments

Hawke's Bay	72
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50% or fewer of the required moments

Taranaki	83
Hutt Valley	82

HARM: Jan - Oct 2013

Staph Aureus infections	258
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Staph. aureus is a common infection in New Zealand hospitals which is associated with poor hand hygiene