
A CEO's view of Infection Prevention & Control

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Agenda

Start with the view of the patient

My view of HAI

What do 'the numbers' say?

Hand hygiene

When is 1 too many?

My patient story

Three brushes with the health system:

- **Nurse wants to view my surgical wound with gloves she entered the room with**
- **Doctor doesn't feel it necessary to wash his hands prior to giving me an injection as they are 'already clean'**
- **Nurse refuses to wash her hands as she had already done so after leaving the last patient**



My view of HAI

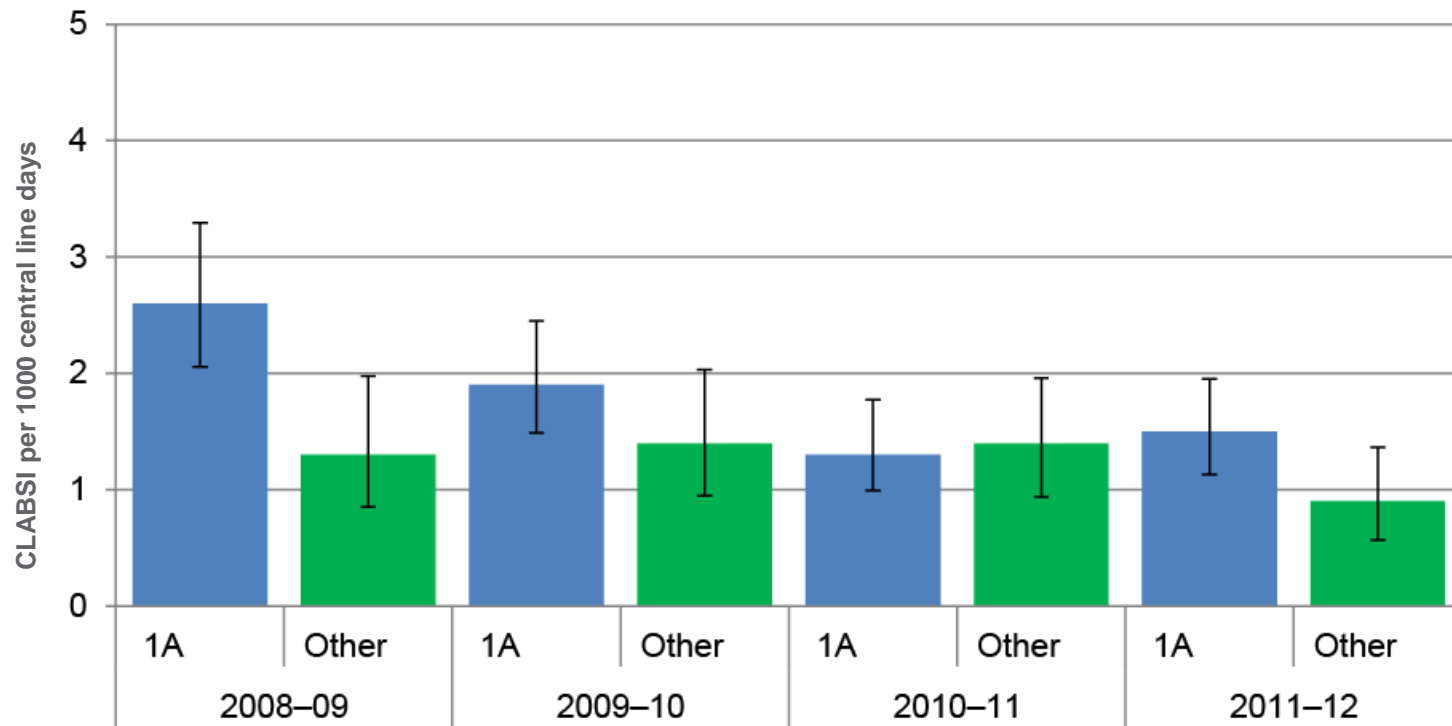
A patient acquiring an infection as a consequence of participating in necessary healthcare is a failure of the system and/or the individuals within it



Some data



Annual rates of central line-associated bloodstream infection (CLABSI) in adult intensive care units in Victoria between July 2008 and June 2012



Year (ICU Group: 1A = Major Teaching Hospitals, "Other" = All other hospitals with intensive care units)

Some more data

SSI rates by surgery type and risk index for 2010–11 and 2011–12*

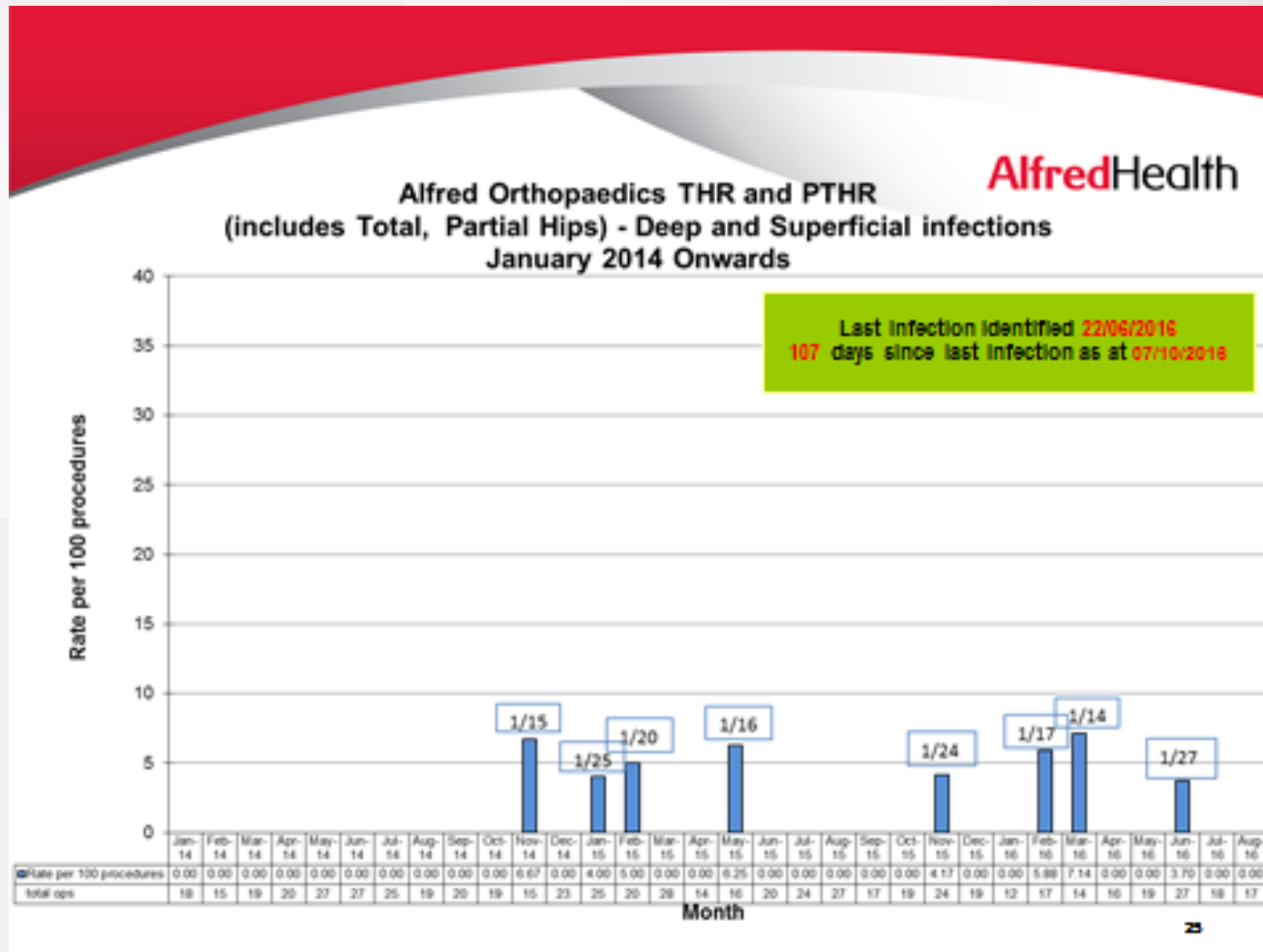
Procedure Group	Year	Total Procedures	Total valid infections	Infection rate by risk index (%)			
				Minus 1	0	1	2 & 3
Abdominal hysterectomy	2010–11	455	7	-	0.6	1.0	3.9
	2010–12	457	11	-	1.5	1.2	7.9
Appendicectomy	2010–11	56	1	-	-	0.0*	33.3*
	2010–12	112	0	-	-	0.0*	0.0*
CABG – chest and donor	2010–11	1,809	82	-	0.0*	3.9	6.2
	2010–12	1,684	74	-	0.0*	3.0	8.4
CABG – chest only	2010–11	115	7	-	-	8.9	0.0*
	2010–12	106	4	-	-	4.4	2.7*
Caesarean section	2010–11	6,304	58	-	0.8	1.1	1.1
	2010–12	8,078	83	-	1.0	1.1	1.4
Cardiac surgery	2010–11	846	34	-	0.0*	3.6	3.9
	2010–12	769	19	-	0.0*	2.0	3.1
Cholecystectomy	2010–11	708	6	0.0	0.9*	5.8	0.0
	2010–12	861	2	0.0	0.4*	1.0	0.0
Colon surgery	2010–11	834	51	2.4	6.4	7.0	5.8
	2010–12	914	69	0.0	5.2	7.9	12.0
Craniotomy	2010–11	428	3	-	1.0	0.7	0.0
Herniorrhaphy	2010–11	203	1	-	0.0	1.4	0.0*
	2010–12	112	0	-	0.0	0.0*	0.0*
Hip prosthesis	2010–11	3,640	80	-	0.9	2.7	3.0
	2010–12	3,678	62	-	1.3	1.8	2.3
Knee prosthesis	2010–11	2,770	45	-	1.2	1.0	3.1
	2010–12	2,745	35	-	0.3	1.4	1.8
Vaginal hysterectomy	2010–11	111	1	-	1.6	0.0*	0.0*
	2010–12	151	2	-	0.0	3.1	0.0*

* Calculated rates based on fewer than 50 procedures.

- Not applicable

Healthcare-associated infection in Victoria
Surveillance report for 2010–11 and 2011–12
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Further data



Measurement

Events per units of activity

- Infections per 10,000 bed days
- Infections per population
- Infections per admitted episode

Time between events

- Days between CLABSI
- Procedures between wound infection

Impact

- Returns to theatre
- Increases in Length of Stay
- Increases in other costs

Is Measurement a way of (avoiding) dealing with the people consequence?



**Some is not a number.
Soon is not a time.**

Donald Berwick

Hand Hygiene (Part 2)

