

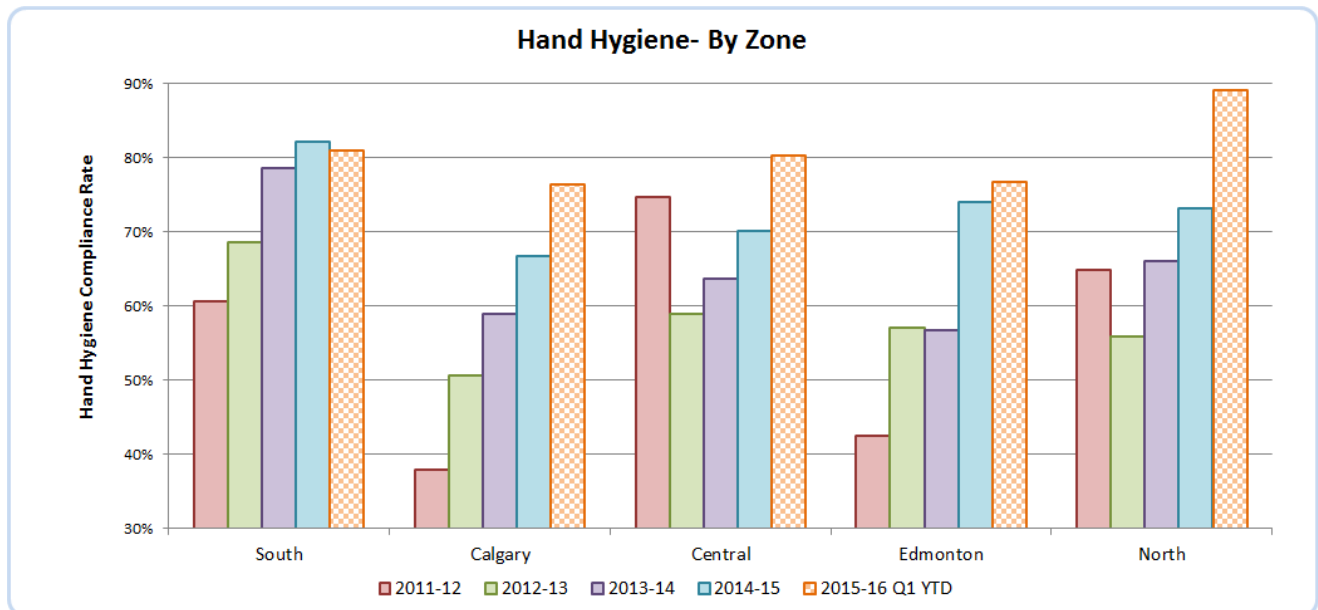
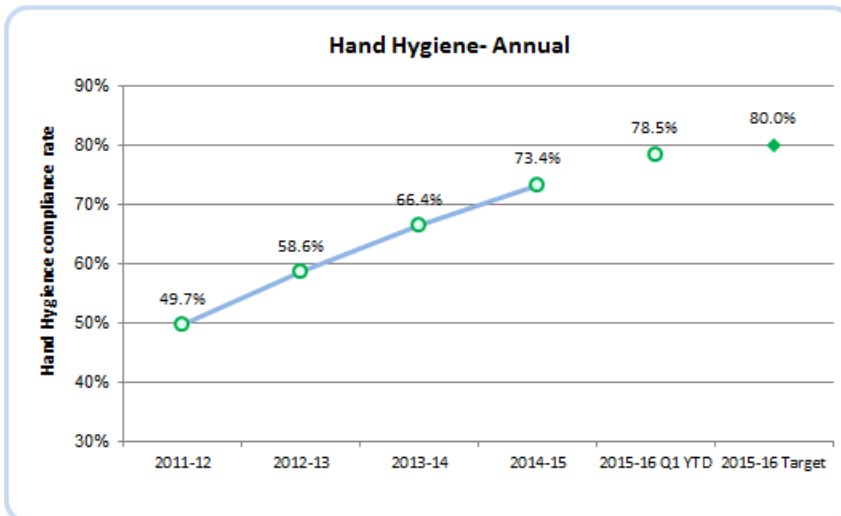
Hand Hygiene

Measure Definition

The percentage of opportunities for which health care workers clean their hands during the course of patient care. For this measure, health care workers are directly observed by trained personnel to see if they are compliant with routine hand hygiene practices according to the Canadian Patient Safety Institute "4 Moments of Hand Hygiene".

Understanding this Measure

Hand hygiene is the single most effective strategy to reduce transmission of infection in the health-care setting. The World Health Organization and Canadian Patient Safety Institute have identified four opportunities during care when hand hygiene should be performed, most commonly before and after contact with a patient or the patient's environment. Direct observation is recommended to assess hand hygiene compliance rates for health care workers. Hand hygiene performance is a challenge for all health care organizations. In AHS, compliance has improved overall for the last three years and has improved for each type of health care worker. We must continue to improve our health care worker hand hygiene compliance and are working hard to achieve our targets.



Hand Hygiene – Actions

Provincial/ Strategic Clinical Network (SCN)	<ul style="list-style-type: none"> Quarterly reporting of Hand Hygiene (HH) Compliance rates. Planned release of Q1 2015/16 HH compliance report was in July 2015. Transition of site-based reviewers to the AHS Clean Hands Pro review tools.
South	<ul style="list-style-type: none"> A successful posting of HH compliance using thermometer boards on west acute care nursing units was completed. Plan underway for internal launch in September at east acute care nursing units. Completed expansion of HH education and reviews to ambulatory home care clinics (Brooks, Lethbridge and MH); larger Public Health sites – Public health nursing and oral health. Completed Hand Hygiene reviews at all AHS long term care sites.
Calgary	<ul style="list-style-type: none"> Zone and site-based HH committees address HH rates and undertake initiatives to increase HH compliance. Data to action plans are initiated to increase compliance in areas requiring improvement. Recruited many site-based HH reviewers serving to engage healthcare workers in HH improvement.
Central	<ul style="list-style-type: none"> Staff and physician training sessions continue. Sites/units are generating regular reports for more timely intervention and improvement on hand hygiene practice. Review of Alcohol Based Hand Rub (ABHR) dispenser placement in acute and continuing care facilities underway.
Edmonton	<ul style="list-style-type: none"> Implemented Clean Hands Provincial data collection platform within 44 units in acute care. Connected with University of Alberta medical residency program to identify gaps in education related to hand hygiene and communicated AHS approach to hand hygiene.
North	<ul style="list-style-type: none"> Continue implementing provincial measurement tool to monitor, measure, report and analyze data to improve hand hygiene practice. Improvement huddles were held with each site that had less than 50% compliance and/or 10% or greater decrease in compliance to set goals and actions to improve with very good success.

IN SUMMARY

In 2015-16, Hand Hygiene Compliance rates were reported quarterly. Q1 results based on 98,267 observations show continued growth in best practice in hand hygiene.

Reduced variation in zone-based results with all zones measuring above 75% compliance.

Zone hand hygiene committees and Infection, Prevention and Control hand hygiene staff are engaged at the local unit and program level to encourage front-line hand hygiene improvement initiatives.

Hand Hygiene – Zone and Site Details

Percentage of opportunities for which health care workers clean their hands during the course of patient care.

Hand Hygiene	2011-12	2012-13	2013-14	2014-15	2015-16 Q1 YTD	Trend *	2015-16 Target
Provincial	49.7%	58.6%	66.4%	73.4%	78.5%	↑	80.0%
South Zone Total	60.6%	68.6%	78.5%	82.2%	80.9%	↓	84.0%
Chinook Regional Hospital	66.8%	66.7%	80.8%	84.1%	82.1%	↓	84.0%
Medicine Hat Regional Hospital	50.5%	70.1%	76.1%	80.3%	78.1%	↓	83.0%
All Other Hospitals	61.7%	67.4%	78.3%	84.5%	81.5%	↓	83.0%
Calgary Zone Total	37.8%	50.6%	59.0%	66.7%	76.3%	↑	78.0%
Alberta Children's Hospital	54.2%	73.7%	57.2%	73.3%	75.8%	↑	77.0%
Foothills Medical Centre	32.0%	44.9%	51.8%	65.2%	77.2%	↑	73.0%
Peter Lougheed Centre	35.4%	50.8%	62.2%	69.7%	81.7%	↑	80.0%
Rockyview General Hospital	33.5%	45.1%	61.7%	70.7%	70.2%	↓	79.0%
South Health Campus	Opened February 2013		58.7%	56.0%	65.5%	↑	78.0%
All Other Hospitals	39.9%	54.0%	63.2%	67.4%	77.4%	↑	81.0%
Central Zone Total	74.7%	58.8%	63.7%	70.0%	80.2%	↑	79.0%
Red Deer Regional Hospital Centre	57.1%	61.7%	75.4%	65.3%	79.5%	↑	83.0%
All Other Hospitals	78.4%	58.1%	57.2%	72.5%	80.6%	↑	77.0%
Edmonton Zone Total	42.5%	57.0%	56.8%	74.0%	76.6%	↑	76.0%
Grey Nuns Community Hospital **	N/A	64.7%	65.5%	79.9%	N/A	↑	82.0%
Misericordia Community Hospital **	N/A	74.2%	73.7%	74.1%	N/A	↑	81.0%
Royal Alexandra Hospital	43.2%	48.9%	61.6%	75.1%	75.7%	↑	79.0%
Stollery Children's Hospital	45.6%	57.3%	58.1%	73.8%	80.1%	↑	79.0%
Sturgeon Community Hospital	48.0%	59.3%	58.9%	79.3%	85.3%	↑	78.0%
University of Alberta Hospital	40.1%	57.3%	42.9%	70.2%	72.4%	↑	68.0%
All Other Hospitals	42.7%	58.0%	57.5%	73.8%	75.9%	↑	77.0%
North Zone Total	64.8%	55.9%	66.0%	73.1%	89.0%	↑	81.0%
Northern Lights Regional Health Centre	60.6%	52.4%	56.2%	63.6%	85.2%	↑	76.0%
Queen Elizabeth II Hospital	54.5%	48.6%	68.4%	85.6%	96.9%	↑	82.0%
All Other Hospitals	77.4%	58.0%	66.2%	71.5%	85.0%	↑	81.0%

Notes:

* Trend compares the current Year to Date value against the 2014-15 Fiscal Year value.

↑ Improvement → Stability ↓ Area requires additional focus

** Covenant sites (including Misericordia Community Hospital and Grey Nuns Hospital) use different methodologies for capturing and computing Hand Hygiene compliance rates. These are available twice a year in Spring and Fall. Grouped results (All Other Hospitals, Zone and Provincial totals) reflect AHS sites only.

Total Observations	2011-12	2012-13	2013-14	2014-15	2015-16 Q1 YTD
Provincial	27,375	59,117	85,687	115,442	98,267
South Zone	3,418	16,441	23,688	26,116	9,843
Calgary Zone	10,976	15,625	17,458	26,952	47,081
Central Zone	3,634	8,409	20,500	16,617	13,776
Edmonton Zone	6,243	9,778	10,277	19,714	18,841
North Zone	3,104	8,864	13,764	26,043	8,726