

## Hand Hygiene

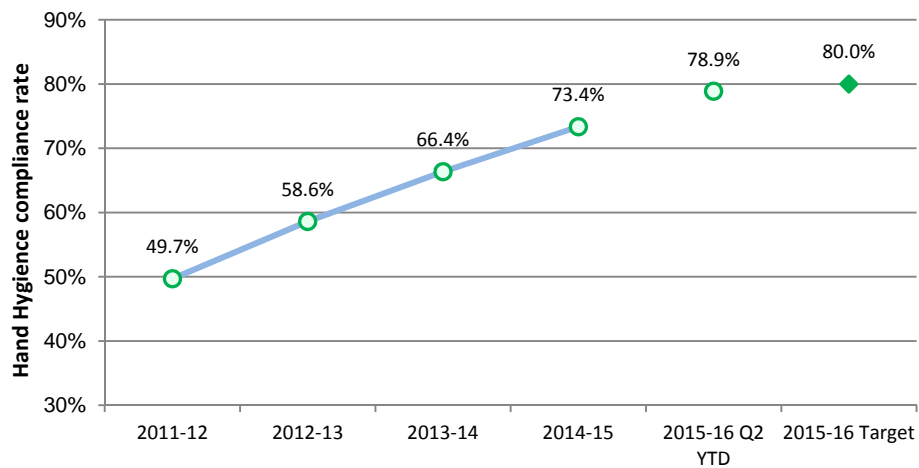
### Measure Definition

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".

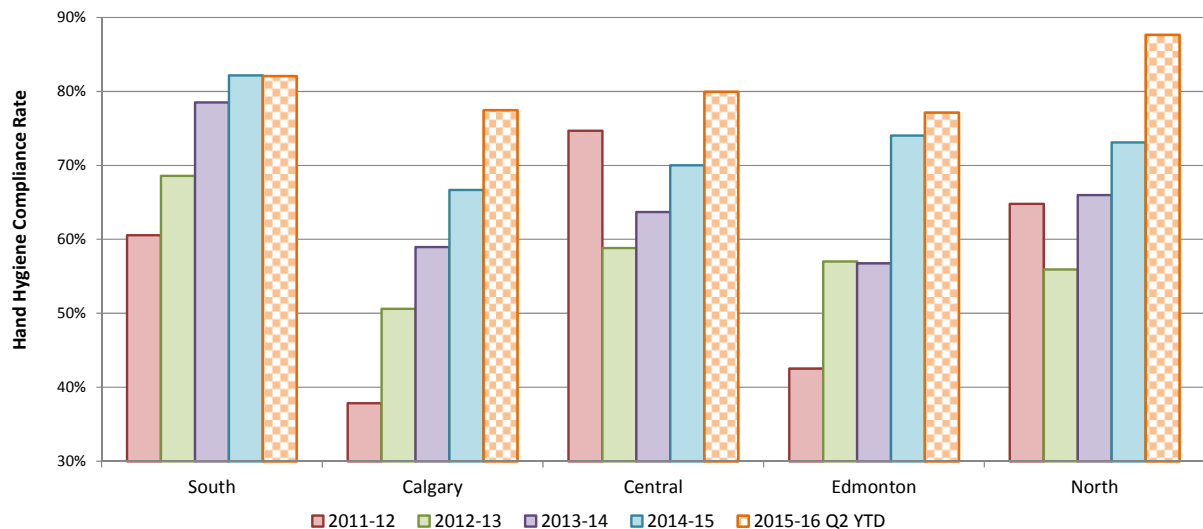
### Understanding this Measure

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- Annual



Hand Hygiene- By Zone



## Hand Hygiene – Actions

<b>Provincial/ Strategic Clinical Network (SCN)</b>	<ul style="list-style-type: none"> <li>Quarterly reporting of Hand Hygiene (HH) Compliance rates.</li> <li>Planned release of Q2 2015/16 HH compliance report was in October 2015.</li> <li>Plan in place to participate in the World Health Organization’s Hand Hygiene Relay challenge on October 15<sup>th</sup> Global Handwashing Day.</li> </ul>
<b>South</b>	<ul style="list-style-type: none"> <li>Continue use of display boards at nursing stations to help increase HH compliance rates.</li> <li>Collaboration with contracted partner sites to build HH champions and education.</li> <li>Review of alcohol based hand rub (ABHR) placement in context of new fire code in all AHS acute care/LTC sites in combination with ABHR access review is almost completed.</li> </ul>
<b>Calgary</b>	<ul style="list-style-type: none"> <li>Data to action plans are initiated to increase compliance in areas requiring improvement. Actions include posting HH compliance results for public and staff in respective clinical areas.</li> <li>Working towards a goal of unit ownership and HH compliance.</li> <li>Alberta Children’s Hospital HH committee created a draft of a Standard Operating Procedure for HH compliance observations to determine compliance and effectiveness of subsequent action.</li> <li>Working with HH reviewer to audit the Operating Room and Post-Anaesthetic Care Unit.</li> </ul>
<b>Central</b>	<ul style="list-style-type: none"> <li>Staff and physician training sessions continue at all sites. Work is being done to reach family physicians while on rounds.</li> <li>Hand Hygiene reports are posted on Quality Boards in a publicly accessible area of each nursing unit at Red Deer Regional Hospital.</li> <li>Sites/units are generating regular reports for more timely intervention and improvement on hand hygiene practice.</li> <li>Review of ABHR dispenser placement in acute and continuing care facilities is continuing.</li> <li>A standardized zone approach for hand hygiene reviews in home care and community settings is moving forward.</li> <li>Showcasing a monthly Central Zone Hand Hygiene Success story which is then published on Insite.</li> </ul>
<b>Edmonton</b>	<ul style="list-style-type: none"> <li>Clean Hands pro was completely rolled out on 185 acute care units, with an additional 47 units in progress; implementation in ambulatory clinics initiated; plan for Continuing Care initiated.</li> <li>Connected with University of Alberta medical residency program to identify gaps in education related to hand hygiene and communicated AHS approach to hand hygiene.</li> <li>Initiated development of resources for hand hygiene reviewers to assist with difficult conversations and just in time education.</li> </ul>
<b>North</b>	<ul style="list-style-type: none"> <li>Staff plan in place to participate in Hand Hygiene relay challenge to raise awareness.</li> </ul>

### IN SUMMARY

Hand Hygiene rates have improved significantly due to activities put into place at sites.

This measure previously reported annually is now reported quarterly in 2015-16.

Q2 year-to-date three zones are above 2015-16 targets. All zones are measuring above 75% (ranging between 77% to 88%).

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 Q2 YTD	Trend *	2015-16 Target
<b>Provincial</b>	<b>49.7%</b>	<b>58.6%</b>	<b>66.4%</b>	<b>73.4%</b>	<b>78.9%</b>	<b>↑</b>	<b>80.0%</b>
<b>South Zone Total</b>	<b>60.6%</b>	<b>68.6%</b>	<b>78.5%</b>	<b>82.2%</b>	<b>82.1%</b>	<b>→</b>	<b>84.0%</b>
Chinook Regional Hospital	65.2%	66.6%	80.6%	84.0%	82.0%	↓	84.0%
Medicine Hat Regional Hospital	50.5%	69.8%	76.1%	79.8%	81.4%	↑	83.0%
All Other Sites	69.2%	69.5%	78.6%	85.5%	82.1%	↓	83.0%
<b>Calgary Zone Total</b>	<b>37.8%</b>	<b>50.6%</b>	<b>59.0%</b>	<b>66.7%</b>	<b>77.5%</b>	<b>↑</b>	<b>78.0%</b>
Alberta Children's Hospital	54.2%	73.7%	57.2%	73.3%	77.4%	↑	77.0%
Foothills Medical Centre	32.0%	44.9%	51.8%	65.2%	77.1%	↑	73.0%
Peter Lougheed Centre	35.4%	50.8%	62.2%	69.7%	83.3%	↑	80.0%
Rockyview General Hospital	33.5%	45.1%	61.7%	70.7%	72.9%	↑	79.0%
South Health Campus	Opened February 2013		58.7%	56.0%	67.5%	↑	78.0%
All Other Sites	39.9%	54.0%	63.2%	67.4%	77.2%	↑	81.0%
<b>Central Zone Total</b>	<b>74.7%</b>	<b>58.8%</b>	<b>63.7%</b>	<b>70.0%</b>	<b>79.9%</b>	<b>↑</b>	<b>79.0%</b>
Red Deer Regional Hospital Centre	57.1%	61.7%	75.4%	65.3%	77.5%	↑	83.0%
All Other Sites	78.4%	58.1%	57.2%	72.5%	81.6%	↑	77.0%
<b>Edmonton Zone Total</b>	<b>42.5%</b>	<b>57.0%</b>	<b>56.8%</b>	<b>74.0%</b>	<b>77.1%</b>	<b>↑</b>	<b>76.0%</b>
Grey Nuns Community Hospital **	N/A	66.5%	70.5%	75.0%	N/A	↑	82.0%
Misericordia Community Hospital **	N/A	77.4%	77.4%	75.8%	N/A	↑	81.0%
Royal Alexandra Hospital	43.2%	48.9%	61.6%	75.1%	77.3%	↑	79.0%
Stollery Children's Hospital	45.6%	57.3%	58.1%	73.8%	78.1%	↑	79.0%
Sturgeon Community Hospital	48.0%	59.3%	58.9%	79.3%	82.5%	↑	78.0%
University of Alberta Hospital	40.1%	57.3%	42.9%	70.2%	72.6%	↑	68.0%
All Other Sites	42.7%	58.0%	57.5%	73.8%	77.3%	↑	77.0%
<b>North Zone Total</b>	<b>64.8%</b>	<b>55.9%</b>	<b>66.0%</b>	<b>73.1%</b>	<b>87.6%</b>	<b>↑</b>	<b>81.0%</b>
Northern Lights Regional Health Centre	60.6%	52.4%	56.2%	63.6%	86.1%	↑	76.0%
Queen Elizabeth II Hospital	54.5%	48.6%	68.4%	85.6%	96.2%	↑	82.0%
All Other Sites	77.4%	58.0%	66.2%	71.5%	84.5%	↑	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 Q2 YTD
<b>Provincial</b>	<b>27,375</b>	<b>59,117</b>	<b>85,687</b>	<b>115,518</b>	<b>198,243</b>
South Zone	3,418	16,441	23,688	26,116	17,979
Calgary Zone	10,976	15,625	17,458	27,028	97,878
Central Zone	3,634	8,409	20,500	16,617	24,708
Edmonton Zone	6,243	9,778	10,277	19,714	42,782
North Zone	3,104	8,864	13,764	26,043	14,896