

Hand Hygiene

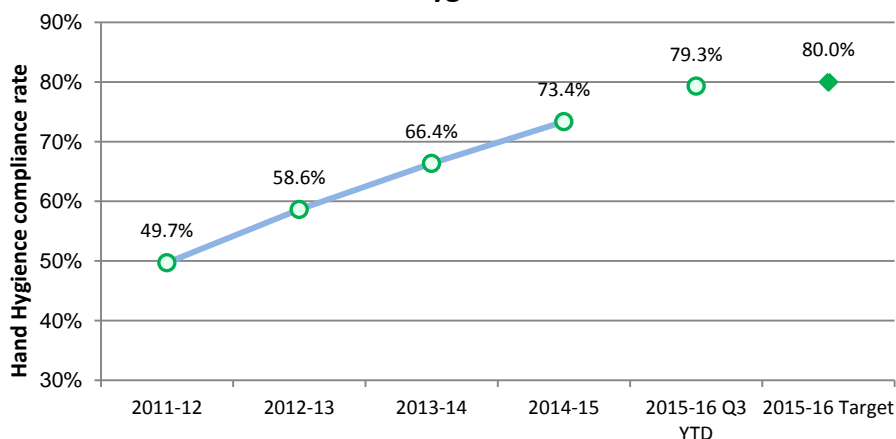
Measure Definition

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". Included in the AHS Quarterly HH reviews are observations from across the continuum of care including AHS operated acute care

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.

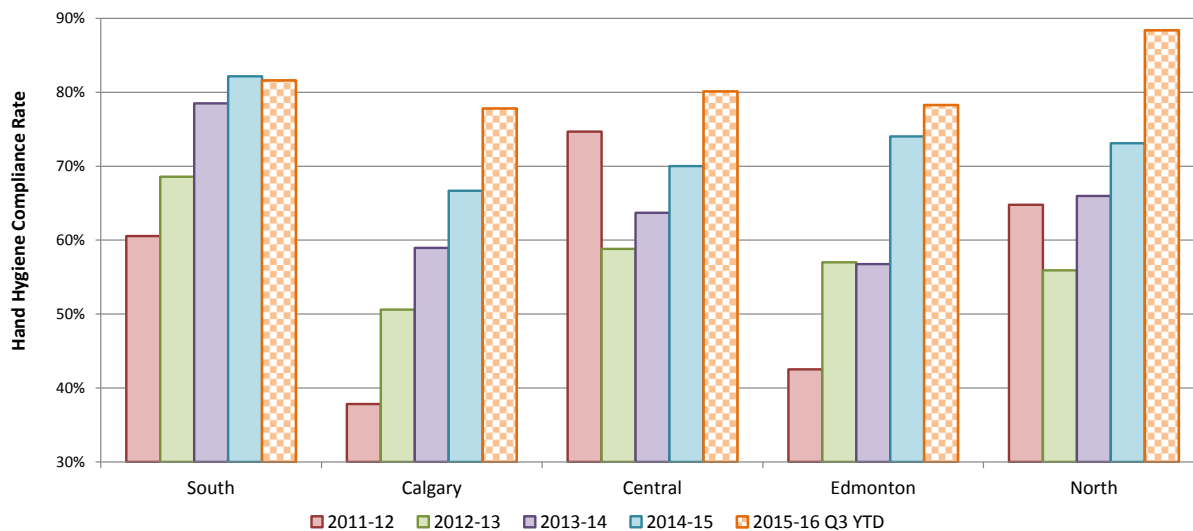
Hand Hygiene- Annual



How Do We Compare?

Direct comparison to other jurisdictions is not possible given different approaches to measuring hand washing compliance.

Hand Hygiene- By Zone



Hand Hygiene – Actions

Provincial/ Strategic Clinical Network (SCN)	<ul style="list-style-type: none"> Quarterly reporting of Hand Hygiene (HH) Compliance rates implemented April 1, 2015. Preparing for planned release of Q3 2015-16 HH compliance report in January 2016. On October 15, 2015, more than 7,000 AHS staff and physicians participated in Hand Hygiene Relays provincewide in recognition of the World Health Organization's Global Handwashing Day.
South	<ul style="list-style-type: none"> Continue use of display boards at nursing stations in acute and long-term care sites to help increase culture and compliance. Significant increase in HH compliance in Medicine Hat Regional Hospital and rural east sites. Collaboration with contracted partner sites to build HH champions and education. Implementation of HH education and reviews at ambulatory home care locations in Lethbridge, Medicine Hat and Brooks, as well as public health clinics. Completed review of alcohol-based hand rub (ABHR) placement in context of new fire code on nursing units at acute care sites. Urgent fire code risks related to ABHR rectified.
Calgary	<ul style="list-style-type: none"> Action plans are initiated to increase compliance in areas requiring improvement including posting HH compliance results for public and staff in respective clinical areas. Working towards a goal of unit ownership for HH compliance. Alberta Children's Hospital HH committee created a draft of a Standard Operating Procedure for HH compliance. Working with HH reviewer to audit the operating room and post-anaesthetic care unit.
Central	<ul style="list-style-type: none"> Sites generating regular reports for more timely intervention and improvement on HH practice. Continued promotion of awareness of HH results and just in time learning continues at all acute care and long-term care sites. Staff and physician training sessions continue at all sites. Showcasing a monthly hand hygiene success story on Insite. Work underway to support hand hygiene compliance auditing in home care and community environments.
Edmonton	<ul style="list-style-type: none"> Clean Hands Pro was rolled out on 185 acute care units, with an additional 47 units in progress; implementation in ambulatory clinics initiated; plan for Continuing Care initiated. Initiated development of resources for hand hygiene reviewers to assist with difficult conversations and just in time education.
North	<ul style="list-style-type: none"> Staff participated in Hand Hygiene relay challenge to raise awareness.

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.

For Q3 year to date, four zones have shown improvement from the previous year. All zones are measuring above 75% (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.

DID YOU KNOW

Staff at the Royal Alexandra Hospital in Edmonton set a new world record for the most people consecutively cleaning their hands. They smashed the previous Guinness World Record of 300 people by having a total of 815 staff, physicians, volunteers, patients, visitors and community members lined up to clean their hands over three-and-a-half hours.

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 Q3 YTD	Trend *	2015-16 Target
Provincial	49.7%	58.6%	66.4%	73.4%	79.3%	↑	80.0%
South Zone Total	60.6%	68.6%	78.5%	82.2%	81.6%	→	84.0%
Chinook Regional Hospital	65.2%	66.6%	80.6%	84.0%	80.0%	↓	84.0%
Medicine Hat Regional Hospital	50.5%	69.8%	76.1%	79.8%	81.6%	↑	83.0%
All Other Sites	69.2%	69.5%	78.6%	85.5%	82.9%	↓	83.0%
Calgary Zone Total	37.8%	50.6%	59.0%	66.7%	77.8%	↑	78.0%
Alberta Children's Hospital	54.2%	73.7%	57.2%	73.3%	76.8%	↑	77.0%
Foothills Medical Centre	32.0%	44.9%	51.8%	65.2%	76.4%	↑	73.0%
Peter Lougheed Centre	35.4%	50.8%	62.2%	69.7%	83.8%	↑	80.0%
Rockyview General Hospital	33.5%	45.1%	61.7%	70.7%	73.3%	↑	79.0%
South Health Campus	Opened February 2013		58.7%	56.0%	68.1%	↑	78.0%
All Other Sites	39.9%	54.0%	63.2%	67.4%	79.4%	↑	81.0%
Central Zone Total	74.7%	58.8%	63.7%	70.0%	80.1%	↑	79.0%
Red Deer Regional Hospital Centre	57.1%	61.7%	75.4%	65.3%	78.0%	↑	83.0%
All Other Sites	78.4%	58.1%	57.2%	72.5%	81.6%	↑	77.0%
Edmonton Zone Total	42.5%	57.0%	56.8%	74.0%	78.3%	↑	76.0%
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%	79.6%	↑	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%	83.8%	↑	78.0%
University of Alberta Hospital	40.1%	57.3%	42.9%	70.2%	73.8%	↑	68.0%
All Other Sites	42.7%	58.0%	57.5%	73.8%	78.0%	↑	77.0%
North Zone Total	64.8%	55.9%	66.0%	73.1%	88.4%	↑	81.0%
Northern Lights Regional Health Centre	60.6%	52.4%	56.2%	63.6%	88.6%	↑	76.0%
Queen Elizabeth II Hospital	54.5%	48.6%	68.4%	85.6%	96.4%	↑	82.0%
All Other Sites	77.4%	58.0%	66.2%	71.5%	85.8%	↑	81.0%

* **Trend** compares the current Year to Date value against the 2014-15 Fiscal Year value. ↑ Improvement → Stability ↓ Area requires additional focus

****N/A** 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 Q3 YTD
Provincial	27,375	59,117	85,687	115,518	286,463
South Zone	3,418	16,441	23,688	26,116	26,295
Calgary Zone	10,976	15,625	17,458	27,028	136,823
Central Zone	3,634	8,409	20,500	16,617	32,808
Edmonton Zone	6,243	9,778	10,277	19,714	70,014
North Zone	3,104	8,864	13,764	26,043	20,523

Note: Total observations for 2015-16 are not comparable to previous fiscal year as previous years were only measured annually (over a 4 month period) versus quarterly.