

Hand Hygiene

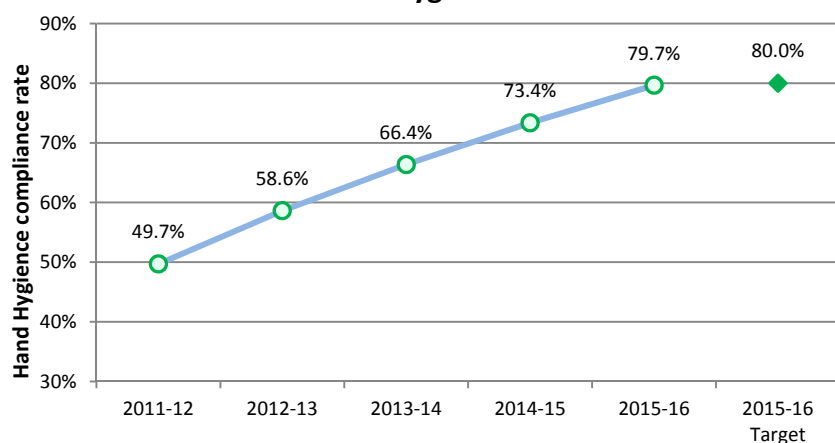
Measure Definition

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 facilities, combined acute care & continuing care facilities, ambulatory, urgent care, and cancer care centers, standalone rehabilitation facilities, and addictions and mental health facilities. Excluded from this report are HH observations from EMS, Corrections Health, and non-AHS contracted continuing care facilities.

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.

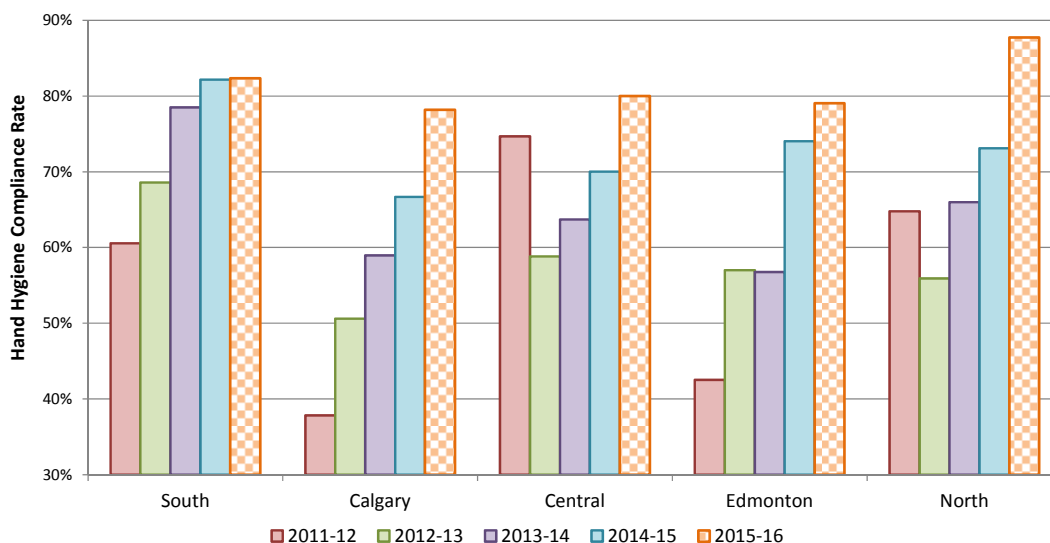
Hand Hygiene- Annual



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. Alcohol-based hand rub guidelines were developed for staff on the prevention and mitigation of harm while supporting standards for acceptable hand hygiene practice.
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. 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. Complete regular audits on areas with less than 80% compliance. Work with Working Safely to identify and provide treatment plans for staff with HH product sensitivities.
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 generated regular reports for more timely intervention and improvement on HH practice. Promotion of awareness of HH results and just in time learning continued at all acute care and long-term care sites. Staff and physician training sessions continued at all sites. A monthly hand hygiene success story was showcased on Insite. Supported hand hygiene compliance auditing in home care and community environments.
Edmonton	<ul style="list-style-type: none"> The Clean Hands Pro™ software was rolled out in acute care. Implementation of Clean Hands Pro in the ambulatory clinics, continuing care and EMS is underway. Developed resources for hand hygiene reviewers to assist with difficult conversations and just in time education. Completed Hand Health video and posted on website.
North	<ul style="list-style-type: none"> Celebration huddles were held to celebrate successes, recognize improvement opportunities and set goals. All sites have hand lotion consistently available in dispensers to help staff maintain skin integrity.

IN SUMMARY

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

Previously reported annually, quarterly reporting of hand hygiene compliance rates was implemented. Hand hygiene compliance results went from 73% in 2014-15 to 80% in 2015-16, meeting the 80% target. Targets were achieved in four out of five zones.

Hand hygiene is the number one way to prevent the spread of communicable disease and infection and AHS will continue to build on these successes. Through education and awareness, increased monitoring and timely feedback, more health care workers are cleaning their hands consistently and properly, protecting patients by reducing the risk of infection.

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 Q4 YTD	Trend *	2015-16 Target
Provincial	49.7%	58.6%	66.4%	73.4%	79.7%	↑	80.0%
South Zone Total	60.6%	68.6%	78.5%	82.2%	82.4%	→	84.0%
Chinook Regional Hospital	65.2%	66.6%	80.6%	84.0%	82.1%	↓	84.0%
Medicine Hat Regional Hospital	50.5%	69.8%	76.1%	79.8%	81.9%	↑	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%	78.2%	↑	78.0%
Alberta Children's Hospital	54.2%	73.7%	57.2%	73.3%	76.9%	↑	77.0%
Foothills Medical Centre	32.0%	44.9%	51.8%	65.2%	76.2%	↑	73.0%
Peter Lougheed Centre	35.4%	50.8%	62.2%	69.7%	84.8%	↑	80.0%
Rockyview General Hospital	33.5%	45.1%	61.7%	70.7%	74.3%	↑	79.0%
South Health Campus	Opened February 2013		58.7%	56.0%	68.6%	↑	78.0%
All Other Sites	39.9%	54.0%	63.2%	67.4%	79.9%	↑	81.0%
Central Zone Total	74.7%	58.8%	63.7%	70.0%	80.0%	↑	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%	81.4%	↑	77.0%
Edmonton Zone Total	42.5%	57.0%	56.8%	74.0%	79.1%	↑	76.0%
Grey Nuns Community Hospital **	N/A	66.5%	70.5%	75.0%	N/A	N/A	82.0%
Misericordia Community Hospital **	N/A	77.4%	77.4%	75.8%	N/A	N/A	81.0%
Royal Alexandra Hospital	43.2%	48.9%	61.6%	75.1%	80.9%	↑	79.0%
Stollery Children's Hospital	45.6%	57.3%	58.1%	73.8%	78.7%	↑	79.0%
Sturgeon Community Hospital	48.0%	59.3%	58.9%	79.3%	84.1%	↑	78.0%
University of Alberta Hospital	40.1%	57.3%	42.9%	70.2%	74.4%	↑	68.0%
All Other Sites	42.7%	58.0%	57.5%	73.8%	79.0%	↑	77.0%
North Zone Total	64.8%	55.9%	66.0%	73.1%	87.7%	↑	81.0%
Northern Lights Regional Health Centre	60.6%	52.4%	56.2%	63.6%	87.9%	↑	76.0%
Queen Elizabeth II Hospital	54.5%	48.6%	68.4%	85.6%	95.8%	↑	82.0%
All Other Sites	77.4%	58.0%	66.2%	71.5%	85.4%	↑	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 Q4 YTD
Provincial	27,375	59,117	85,687	115,518	385,297
South Zone	3,418	16,441	23,688	26,116	36,439
Calgary Zone	10,976	15,625	17,458	27,028	180,595
Central Zone	3,634	8,409	20,500	16,617	42,430
Edmonton Zone	6,243	9,778	10,277	19,714	100,087
North Zone	3,104	8,864	13,764	26,043	25,746

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.