

Hand Hygiene

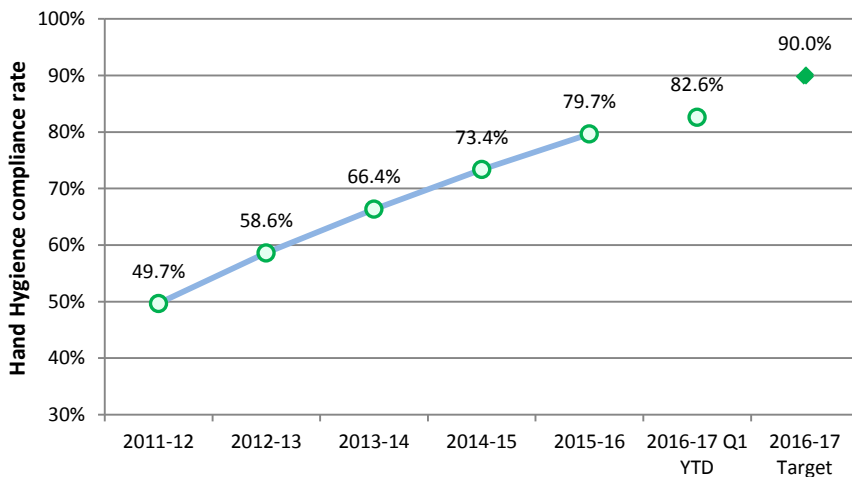
Measure Definition

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. This measures safety.

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.

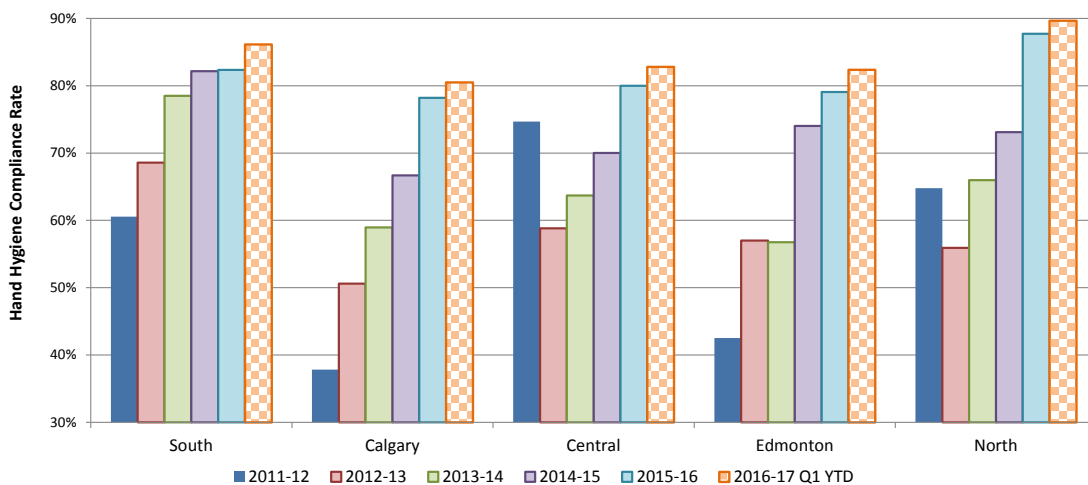
Hand Hygiene - Annual



How Do We Compare?

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

Hand Hygiene- By Zone



NOTE: North Zone data for Q1 has been impacted due to the wildfires in Q1 resulting in the temporary closure of a hospital.

Hand Hygiene

ACTIONS

Zone-embedded Hand Hygiene (HH) teams will continue to support local HH initiatives and foster ownership and accountability for hand hygiene improvements.

South Zone will sustain hand hygiene and other infection, prevention and control (IPC) initiatives including focused work on Personal Protective Equipment (PPE) use and point of care risk assessment.

Calgary Zone is implementing the “Clean Hands” platform which records hand hygiene reviews.

Central Zone will continue IPC and hand hygiene surveillance, education and quality improvement.

Edmonton Zone will implement a hand hygiene communication strategy that improves and promotes hand hygiene initiatives and showcases successes. The Stollery Children’s Hospital will implement a “clear the clutter” campaign to decrease amount of items in patient rooms and hallways.

North Zone will implement strategies to recruit and train additional auditors to ensure data integrity and continue to educate frontline staff and physicians on the importance of hand hygiene.

SUMMARY

The target for Hand Hygiene was set aggressively at 90% to encourage hand washing compliance. Hand hygiene compliance increased from 78% (Q1 2015-16) to 83% (Q1 2016-17).

Hand hygiene compliance increased from the same period as last year (Q1 2015-16 to Q1 2016-17) provincially and four zones: South Zone (81% to 86%), Calgary Zone (76% to 81%), Central Zone (81% to 83%) and Edmonton Zone (77% to 82%).

North Zone results have been impacted by the temporary closure of Northern Lights Regional Hospital and displacement of the population in Fort McMurray due to the wildfires in Q1.

For Q1, a total of 99,813 observations were collected. Hand Hygiene project managers and IPC zone reviewers collected 30,047 observations (30%) and site-based reviewers collected 69,766 observations (70%).

DID YOU KNOW

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.

Clean Hands Platform has real-time hand hygiene data available to support hand hygiene improvement. Quarterly hand hygiene reports at the provincial and zone level to address areas requiring further attention.

Personal Protective Equipment (PPE) is a key element in preventing the transmission of disease causing microorganisms. If not used properly, not only will PPE fail to prevent transmission, it may in fact contribute to the spread of disease.

Hand Hygiene

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

Hand Hygiene	2013-14	2014-15	2015-16	Q1 YTD		Trend	2016-17 Target
				2015-16 Last Year	2016-17 Current		
Trend: ★ Achieved Target, ✓ Stable or better than prior period, ✗ Area requires additional focus							
Provincial	66.4%	73.4%	79.8%	78.2%	82.6%	✓	90.0%
South Zone Total	78.5%	82.2%	82.5%	81.3%	86.1%	✓	90.0%
Chinook Regional Hospital	80.6%	84.0%	82.1%	81.7%	88.1%	✓	90.0%
Medicine Hat Regional Hospital	76.1%	79.8%	81.9%	77.3%	86.3%	✓	90.0%
All Other Sites	78.6%	85.5%	83.1%	82.9%	84.0%	✓	90.0%
Calgary Zone Total	59.0%	66.7%	78.3%	75.7%	80.5%	✓	90.0%
Alberta Children's Hospital	57.2%	73.3%	76.9%	75.8%	78.8%	✓	90.0%
Foothills Medical Centre	51.8%	65.2%	76.3%	75.7%	81.3%	✓	90.0%
Peter Lougheed Centre	62.2%	69.7%	84.8%	81.8%	81.1%	✓	90.0%
Rockyview General Hospital	61.7%	70.7%	74.2%	70.2%	80.0%	✓	90.0%
South Health Campus	58.7%	56.0%	68.6%	65.4%	78.1%	✓	90.0%
All Other Sites	63.2%	67.4%	80.0%	77.0%	79.9%	✓	90.0%
Central Zone Total	63.7%	70.0%	80.6%	80.5%	82.8%	✓	90.0%
Red Deer Regional Hospital Centre	75.4%	65.3%	78.0%	79.4%	78.5%	✗	90.0%
All Other Sites	57.2%	72.5%	82.1%	81.1%	84.1%	✓	90.0%
Edmonton Zone Total	56.8%	74.0%	79.0%	76.5%	82.4%	✓	90.0%
Grey Nuns Community Hospital *	70.5%	75.0%	0.0%	N/A	N/A	N/A	90.0%
Misericordia Community Hospital *	77.4%	75.8%	0.0%	N/A	N/A	N/A	90.0%
Royal Alexandra Hospital	61.6%	75.1%	80.9%	75.4%	83.9%	✓	90.0%
Stollery Children's Hospital	58.1%	73.8%	78.7%	80.1%	80.4%	✓	90.0%
Sturgeon Community Hospital	58.9%	79.3%	84.2%	85.6%	84.1%	✗	90.0%
University of Alberta Hospital	42.9%	70.2%	74.4%	72.2%	83.3%	✓	90.0%
All Other Sites	57.5%	73.8%	78.7%	75.9%	80.7%	✓	90.0%
North Zone Total	66.0%	73.1%	87.2%	87.3%	89.7%	✓	90.0%
Northern Lights Regional Health Centre ⁺	56.2%	63.6%	87.9%	85.2%	N/A	N/A	90.0%
Queen Elizabeth II Hospital	68.4%	85.6%	95.8%	96.9%	92.0%	★	90.0%
All Other Sites	66.2%	71.5%	85.0%	82.9%	89.7%	✓	90.0%

* N/A: No results available 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.

⁺ North Zone results have been impacted by the temporary closure of Northern Lights Regional Hospital and displacement of the population in Fort McMurray due to the wildfires in Q1.

Total Observations	2013-14	2014-15	2015-16	Q1 YTD	
				2015-16 Last Year	2016-17 Current
Provincial	Total observations in 2013-14 and 2014-15 are not comparable to 2015-16 and current year as those years were only measured over a 4-month period but reflected as an annual number. Effective 2015-16, total annual observations reflect 12 months.		397,371	94,208	94,221
South Zone			39,185	10,514	14,179
Calgary Zone			183,149	49,315	38,266
Central Zone			45,103	14,762	8,984
Edmonton Zone			100,895	19,617	32,792
North Zone ⁺			29,039	N/A	N/A

⁺ North Zone results have been impacted by the temporary closure of Northern Lights Regional Hospital and displacement of the population in Fort McMurray due to the wildfires in Q1.