

## Hand Hygiene

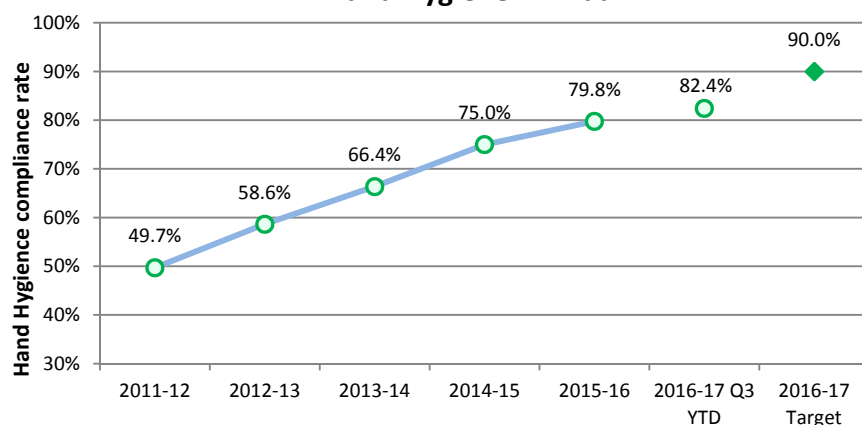
### Measure Definition

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 and continuing care facilities, ambulatory, urgent care, cancer care centres, standalone rehabilitation facilities, addictions and mental health facilities, emergency medical services (EMS) and Corrections Health. Excluded are the 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.

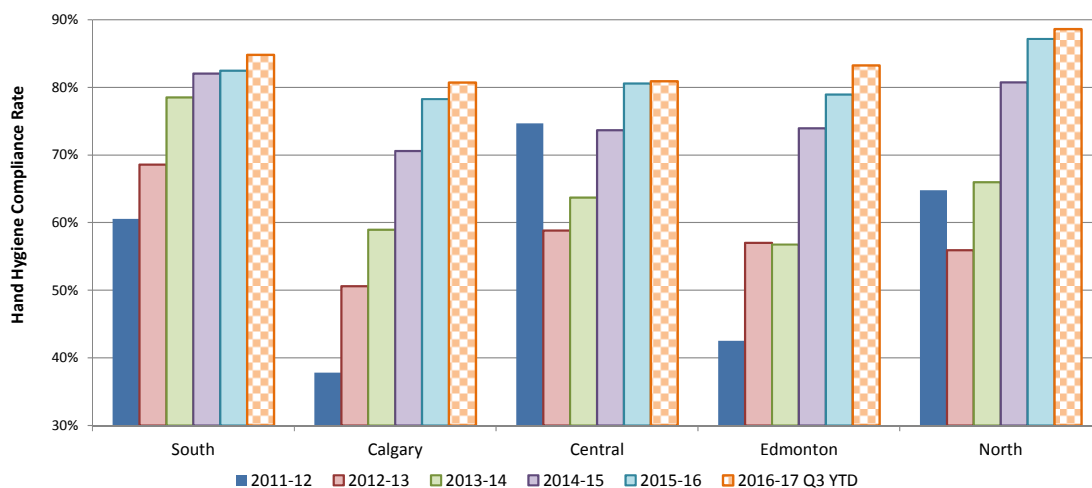
**Hand Hygiene- Annual**



### How Do We Compare?

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

**Hand Hygiene- By Zone**



## 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 the 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

Hand hygiene compliance increased provincially and in all five zones compared to the same period as last year.

Trained reviewers directly observe a health care provider’s hand hygiene practices in relation to the 4 Moments for Hand Hygiene and use the Clean Hands System to perform hand hygiene reviews. In Q3, across the province, hand hygiene reviews were performed by 487 reviewers, including 474 site-based reviewers, using the Clean Hands iPad app or Clean Hands paper tool at 149 sites.

Ongoing surveillance provides timely data to clinicians, frontline staff, and leaders to monitor, understand, and use hand hygiene compliance data to improve hand hygiene practices.

There are several initiatives throughout AHS to improve the hand hygiene compliance of health care providers and thereby improve patient safety. These include a Provincial Hand Hygiene Steering Committee and Zone Hand Hygiene Committees that coordinate improvement initiatives at the provincial and zone level such as the Hand Hygiene Hero campaign.

### 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 are available at the provincial and zone levels 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	Q3 YTD		Trend	2016-17 Target
				2015-16 Last Year	2016-17 Current		
Trend: ★ Achieved Target, ✓ better or ⇔ stable than prior period*, ✖ Area requires additional focus							
Provincial	66.4%	75.0%	79.8%	79.4%	82.4%	✓	90.0%
South Zone Total	78.5%	82.0%	82.5%	81.9%	84.8%	✓	90.0%
Chinook Regional Hospital	80.6%	85.0%	82.1%	80.0%	83.9%	✓	90.0%
Medicine Hat Regional Hospital	76.1%	77.5%	81.9%	81.6%	87.0%	✓	90.0%
All Other Sites	78.6%	85.0%	83.1%	83.6%	83.5%	✓	90.0%
Calgary Zone Total	59.0%	70.6%	78.2%	77.8%	80.7%	✓	90.0%
Alberta Children’s Hospital	57.2%	74.4%	76.8%	76.8%	79.7%	✓	90.0%
Foothills Medical Centre	51.8%	66.2%	76.3%	76.3%	82.8%	✓	90.0%
Peter Lougheed Centre	62.2%	77.1%	84.8%	83.8%	78.6%	✖	90.0%
Rockyview General Hospital	61.7%	68.3%	74.2%	73.3%	82.9%	✓	90.0%
South Health Campus	58.7%	59.3%	68.6%	68.0%	75.6%	✓	90.0%
All Other Sites	63.2%	76.6%	80.0%	79.6%	78.4%	⇔	90.0%
Central Zone Total	63.7%	73.7%	80.6%	80.6%	80.9%	✓	90.0%
Red Deer Regional Hospital Centre	75.4%	69.4%	78.0%	78.0%	77.3%	✓	90.0%
All Other Sites	57.2%	76.8%	82.1%	82.3%	81.8%	✓	90.0%
Edmonton Zone Total	56.8%	73.9%	78.9%	78.2%	83.2%	✓	90.0%
Grey Nuns Community Hospital**	70.5%	75.0%	79.5%	71.2%	87.3%	✓	90.0%
Misericordia Community Hospital**	77.4%	75.8%	77.7%	77.4%	84.6%	✓	90.0%
Royal Alexandra Hospital	61.6%	75.3%	80.9%	79.6%	84.1%	✓	90.0%
Stollery Children’s Hospital	58.1%	75.3%	78.7%	78.1%	79.9%	✓	90.0%
Sturgeon Community Hospital	58.9%	81.1%	84.2%	83.8%	85.1%	✓	90.0%
University of Alberta Hospital	42.9%	70.0%	74.4%	73.7%	85.2%	✓	90.0%
All Other Sites	57.5%	72.9%	78.7%	78.0%	81.7%	✓	90.0%
North Zone Total	66.0%	80.7%	87.2%	87.5%	88.6%	✓	90.0%
Northern Lights Regional Health Centre	56.2%	63.6%	87.9%	88.6%	87.8%	✓	90.0%
Queen Elizabeth II Hospital	68.4%	91.4%	95.8%	96.4%	91.9%	★	90.0%
All Other Sites	66.2%	73.5%	85.0%	85.0%	88.3%	✓	90.0%

\* "Stable" trend indicates when current period performance (Q3 year-to-date) is within 5% from the same time period as last year.

\*\* 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	2013-14	2014-15	2015-16	Q3 YTD	
				2015-16 Last Year	2016-17 Current
<b>Provincial</b>	<b>85,687</b>	<b>269,345</b>	<b>397,386</b>	<b>296,663</b>	<b>288,208</b>
South Zone	23,688	40,936	39,185	28,027	31,752
Calgary Zone	17,458	99,233	183,149	138,860	122,459
Central Zone	20,500	42,502	45,103	35,189	25,359
Edmonton Zone	10,277	42,904	100,910	71,784	93,388
North Zone	13,764	43,770	29,039	22,803	15,250