

Hand Hygiene

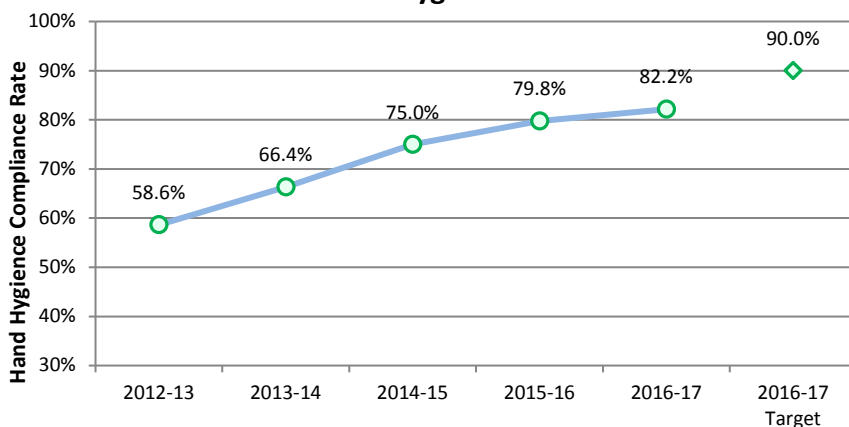
Measure Definition

The percentage of opportunities for which healthcare workers clean their hands during the course of patient care. For this measure, healthcare 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.

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 healthcare workers. Hand hygiene performance is a challenge for all healthcare organizations. In AHS, compliance has improved overall for the last three years and has improved for each type of healthcare worker. We must continue to improve our healthcare worker hand hygiene compliance and are working hard to achieve our targets.

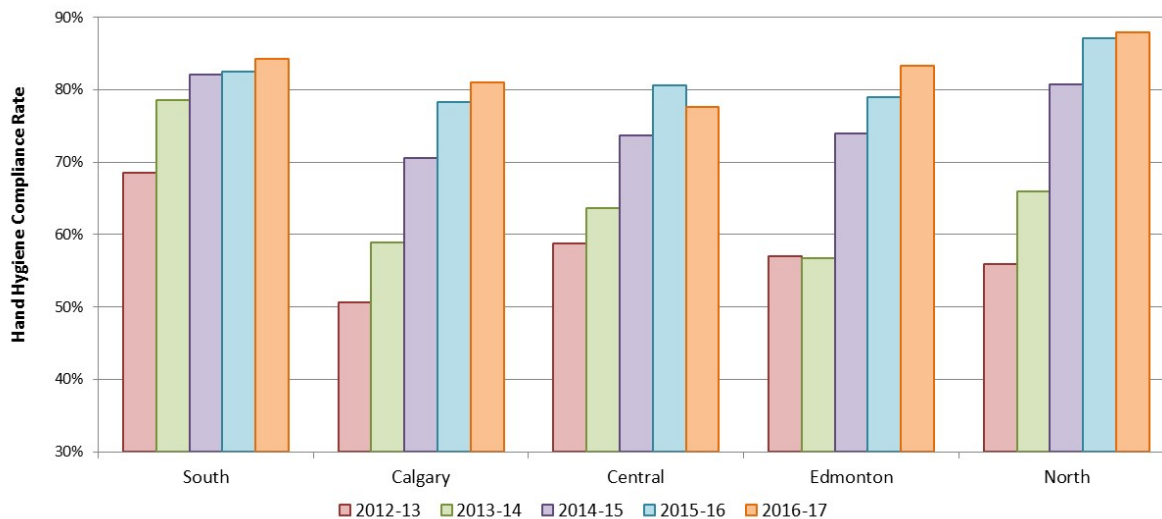
Hand Hygiene - Annual



How Do We Compare?

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

Hand Hygiene - Zone



Hand Hygiene

HIGHLIGHTS

Hand hygiene (HH) 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 healthcare workers are cleaning their hands consistently and properly, protecting patients by reducing the risk of infection.

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. Work continues to implement the Clean Hands Platform which has real-time hand hygiene data available to support hand hygiene improvement. A policy/procedure refresh is underway, led by a multidisciplinary working group and extensive stakeholder engagement occurred via surveys and through consultation.

There are several initiatives throughout AHS to improve the hand hygiene compliance of healthcare providers and thereby improve patient safety. Zone-embedded HH teams continue to support local initiatives and foster ownership and accountability for hand hygiene improvements. Provincial Hand Hygiene Steering Committee and Zone Hand Hygiene Committees co-ordinate improvement initiatives at the provincial and zone level such as the Hand Hygiene Hero campaign.

SUMMARY OF RESULTS

Hand hygiene compliance increased provincially and in four zones compared to the same period as last year. Central Zone “other sites” deteriorated due to increased observations in a new clinical service area and a downturn in results was expected and is expected to improve going forward.

Provincially hand hygiene compliance was 82.2% an improvement of 3% from last year. At the zone level, hand hygiene compliance varied from 77.6% (Central Zone) to 88.0% (North Zone) and a total of 382,993 observations were collected.

Quarterly hand hygiene reports are available at the provincial and zone levels to address areas requiring further attention.

Hand Hygiene

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

| Hand Hygiene | 2013-14 | 2014-15 | 2015-16 | Q4 YTD | | Trend | 2016-17 Target |
|--|---------|---------|---------|-------------------|-----------------|-------|----------------|
| | | | | 2015-16 Last Year | 2016-17 Current | | |
| Trend: ★ Target Achieved; ✓ Improving; ⇔ Stable; ✖ Performance not improving | | | | | | | |
| Provincial | 66.4% | 75.0% | 79.8% | 79.8% | 82.2% | ✓ | 90.0% |
| South Zone Total | 78.5% | 82.0% | 82.5% | 82.5% | 84.2% | ✓ | 90.0% |
| Chinook Regional Hospital | 80.6% | 85.0% | 82.1% | 82.1% | 83.2% | ✓ | 90.0% |
| Medicine Hat Regional Hospital | 76.1% | 77.5% | 81.9% | 81.9% | 86.9% | ✓ | 90.0% |
| All Other Sites | 78.6% | 85.0% | 83.1% | 83.1% | 82.9% | ⇔ | 90.0% |
| Calgary Zone Total | 59.0% | 70.6% | 78.2% | 78.2% | 81.1% | ✓ | 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% | 82.9% | ✓ | 90.0% |
| Peter Lougheed Centre | 62.2% | 77.1% | 84.8% | 84.8% | 79.4% | ✖ | 90.0% |
| Rockyview General Hospital | 61.7% | 68.3% | 74.2% | 74.2% | 84.1% | ✓ | 90.0% |
| South Health Campus | 58.7% | 59.3% | 68.6% | 68.6% | 76.4% | ✓ | 90.0% |
| All Other Sites | 63.2% | 76.6% | 80.0% | 80.0% | 78.6% | ⇔ | 90.0% |
| Central Zone Total | 63.7% | 73.7% | 80.6% | 80.6% | 77.6% | ✖ | 90.0% |
| Red Deer Regional Hospital Centre | 75.4% | 69.4% | 78.0% | 78.0% | 77.7% | ⇔ | 90.0% |
| All Other Sites | 57.2% | 76.8% | 82.1% | 82.1% | 77.6% | ✖ | 90.0% |
| Edmonton Zone Total | 56.8% | 73.9% | 78.9% | 78.9% | 83.3% | ✓ | 90.0% |
| Grey Nuns Community Hospital** | 64.2% | 75.2% | 73.5% | 73.5% | 83.3% | ✓ | 90.0% |
| Misericordia Community Hospital** | 71.4% | 76.9% | 75.2% | 75.2% | 79.6% | ✓ | 90.0% |
| Royal Alexandra Hospital | 61.6% | 75.3% | 80.9% | 80.9% | 83.9% | ✓ | 90.0% |
| Stollery Children’s Hospital | 58.1% | 75.3% | 78.7% | 78.7% | 80.1% | ✓ | 90.0% |
| Sturgeon Community Hospital | 58.9% | 81.1% | 84.2% | 84.2% | 86.1% | ✓ | 90.0% |
| University of Alberta Hospital | 42.9% | 70.0% | 74.4% | 74.4% | 84.7% | ✓ | 90.0% |
| All Other Sites | 57.5% | 72.9% | 78.7% | 78.7% | 82.3% | ✓ | 90.0% |
| North Zone Total | 66.0% | 80.7% | 87.2% | 87.2% | 88.0% | ✓ | 90.0% |
| Northern Lights Regional Health Centre | 56.2% | 63.6% | 87.9% | 87.9% | 87.4% | ⇔ | 90.0% |
| Queen Elizabeth II Hospital | 68.4% | 91.4% | 95.8% | 95.8% | 90.8% | ★ | 90.0% |
| All Other Sites | 66.2% | 73.5% | 85.0% | 85.0% | 87.7% | ✓ | 90.0% |

* "Stable" trend indicates when current period performance is ≤ 3% 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 | Q4 YTD | |
|--------------------|---------------|----------------|----------------|-------------------|-----------------|
| | | | | 2015-16 Last Year | 2016-17 Current |
| Provincial | 85,687 | 269,345 | 397,386 | 397,386 | 382,993 |
| South Zone | 23,688 | 40,936 | 39,185 | 39,185 | 38,147 |
| Calgary Zone | 17,458 | 99,233 | 183,149 | 183,149 | 161,583 |
| Central Zone | 20,500 | 42,502 | 45,103 | 45,103 | 35,838 |
| Edmonton Zone | 10,277 | 42,904 | 100,910 | 100,910 | 125,583 |
| North Zone | 13,764 | 43,770 | 29,039 | 29,039 | 21,842 |

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