



HEALTH QUALITY & SAFETY
COMMISSION NEW ZEALAND
Kupu Taurangi Hauora o Aotearoa

**National Infection Prevention and Control Programme:
Hand Hygiene New Zealand**

National hand hygiene compliance audit: 31 October 2012

National hand hygiene compliance data: 08 July to 31 October 2012

The national hand hygiene compliance rate for this period is **62.1%**.

Compliance rate	Correct hand hygiene actions	Total moments	Lower confidence interval	Upper confidence interval
62.1%	18095	29128	61.6%	62.7%

National compliance rates by District Health Board

The data in Table 1 shows anonymised results for individual DHBs to allow DHBs to determine how they compare to others. It is important to note that not all DHBs are at the same stage of implementation. This audit period, all 20 DHBs submitted data compared to 17 in the 30 June 2012 audit period.

Table 1: Moments and compliance rates per DHB: 08 July to 31 October 2012

DHB	08 July – 31 October 2012 compliance	Lower confidence interval	Upper confidence interval
1	77.0%	75.0%	78.9%
2	73.6%	71.0%	76.0%
3	70.5%	63.8%	76.4%
4	70.2%	68.3%	71.9%
5	69.6%	66.5%	72.5%
6	66.7%	64.6%	68.7%
7	65.7%	60.5%	70.5%
8	64.8%	58.1%	70.9%
9	64.7%	62.6%	66.8%
10	62.9%	60.8%	64.9%
11	62.4%	59.1%	65.6%
12	62.2%	60.3%	64.0%
13	60.4%	50.2%	69.9%
14	59.9%	58.0%	61.8%
15	59.5%	57.6%	61.4%
16	59.1%	57.2%	61.0%
17	54.4%	50.6%	58.1%
18	50.1%	46.6%	53.5%
19	46.5%	43.9%	49.2%
20	43.4%	41.1%	45.8%

National compliance rates by each of the World Health Organization (WHO) 5 moments for hand hygiene

The data presented in Table 2 shows that compliance with moments 3 and 4 (the 'after' moments) remains significantly better than compliance with moments 1 and 2 (the 'before' moments). This is a widely observed phenomenon that may partly be explained by the widely held misunderstanding that hand hygiene is primarily for self-protection rather than for the protection of patients.

The importance of hand hygiene to patient safety is, therefore, one of the key educational messages of the HHNZ programme.

Focused educational campaigns are needed at DHB level to improve hand hygiene practice before patient contact and before performing a procedure.

Table 2: Compliance rate by moment: 08 July to 31 October 2012

Moment	Correct hand hygiene actions	Total moments	Compliance rate	Lower 95% confidence interval	Upper 95% confidence interval
1 Before touching a patient	3708	6548	56.6%	55.4%	57.8%
2 Before a procedure	959	1722	55.7%	53.3%	58%
3 After a procedure or body fluid exposure risk	1599	2379	67.2%	65.3%	69.1%
4 After touching a patient	5100	7173	71.1%	70%	72.1%
5 After touching a patient's surroundings	2348	4238	55.4%	53.9%	56.9%

National compliance rates by healthcare worker category

Similar to the last audit period, for invasive technicians (phlebotomists) had the highest compliance rate (72.5%). Among the specified healthcare worker groups with regular patient contact, medical practitioners, students and domestic staff are still near the bottom of the table.

Table 3: Compliance rate by healthcare worker – 08 July to 31 October 2012

Worker	Correct hand hygiene actions	Total moments	Compliance rate	Lower 95% confidence interval	Upper 95% confidence interval
Invasive technician	513	708	72.50%	69.10%	75.60%
Student allied	87	132	65.90%	57.50%	73.40%
Nurse/midwife	8749	13499	64.80%	64%	65.60%
Health care	1006	1584	63.50%	61.10%	65.80%
Allied health care	657	1110	59.20%	56.30%	62%
Student	355	609	58.30%	54.30%	62.10%
Medical practitioner	1952	3416	57.10%	55.50%	58.80%
Other - not categorised elsewhere	223	534	41.80%	37.70%	46%
Student doctor	25	60	41.70%	30.10%	54.30%
Administrative and clerical staff	22	57	38.60%	27.10%	51.60%
Domestic	125	351	35.60%	30.80%	40.80%