

2009-2010 Influenza Vaccination Coverage among HealthCare Personnel (HCP) in IHS, Tribal and Urban Indian Facilities

The Healthy People 2010 goal for influenza vaccination among healthcare personnel (HCP) is 60%, a goal that was met for the first time during the 2009-2010 influenza season. As part of the Department of Health and Human Services initiative to improve influenza vaccination coverage among HCP, IHS has collected data on influenza coverage levels among HCP at all IHS and many tribal and urban health care facilities for the last 2 influenza seasons. The definition of HCP includes **all** personnel who work in a health care facility – meaning personnel with direct patient contact as well as housekeeping, food service workers, data entry clerks, administrators, etc.

For the 2009 influenza season, there were two influenza vaccines – the regular seasonal influenza vaccine and a vaccine for the 2009 H1N1 pandemic influenza. Therefore, IHS, Tribal and Urban Indian facilities (I/T/U) were asked to report on coverage of HCP with both the seasonal and the H1N1 influenza vaccine. Results as of March 31st, 2010 are included below. Aggregate data can also be viewed in the Report section of the National Immunization Reporting System (NIRS) site:

<http://www.ihpes.ihs.gov/immunizations/index.cfm?module=immunizations&option=reports>

SEASONAL INFLUENZA VACCINATION

All 12 IHS Areas submitted reports, representing 153 facilities and 27,239 HCP. A breakdown of coverage by facility type is included in Table 1. Figure 1 depicts coverage data for the 2008-2009 and 2009-2010 influenza seasons by IHS Area. Table 2 contains 2009-2010 coverage data by IHS area.

Table 1: 2010 HCP Seasonal Influenza Coverage by Facility Type.

	Number of facilities	Number of HCP	% Vaccinated	% Medical Contraindications	% Refused	% Unknown
IHS Facilities	63	13,105	80.7%	0.7%	7.9%	10.8%
Tribal Facilities	84	13,836	69.9%	1.2%	14.9%	12.4%
Urban Facilities	6	298	52.7%	0.3%	29.9%	13.1%
All Facilities	153	27,239	74.9%	1.0%	11.7%	11.6%

Figure 1: Seasonal Influenza Vaccination Coverage of HCP by IHS Area
IHS, Tribal, and Urban Facilities

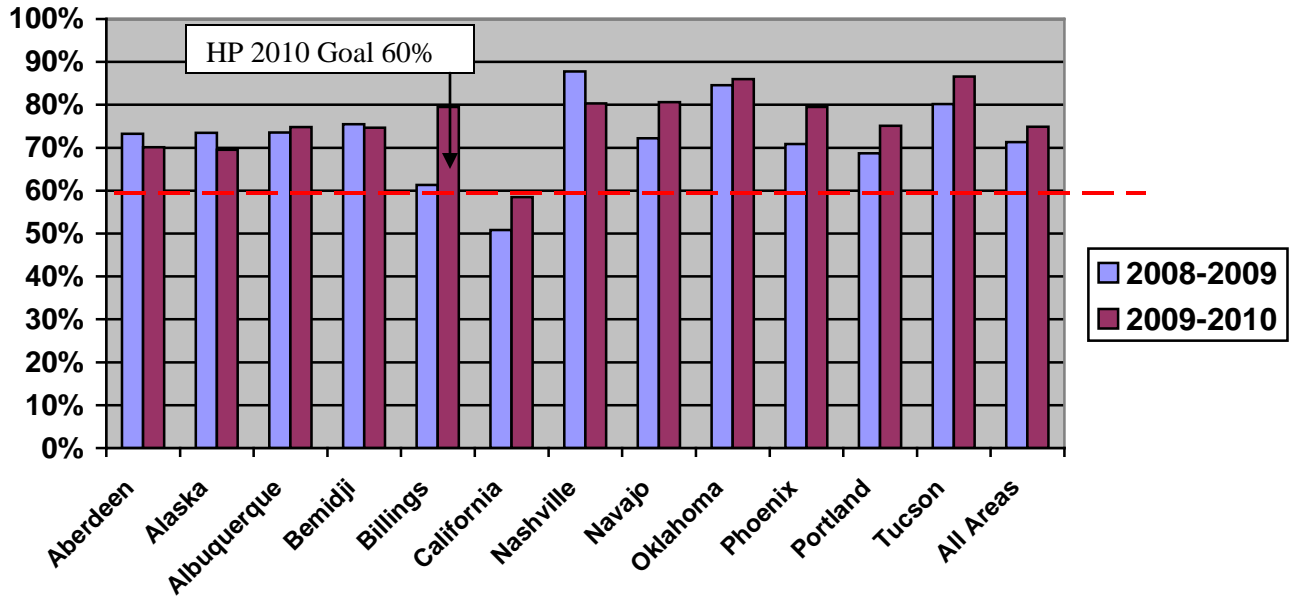


Table 2: 2009-2010 HCP Seasonal Influenza Vaccine Coverage by IHS Area

	Number Facilities	Number HCP	% Vaccinated	% Medical Contraindications	% Refused	% Unknown
Aberdeen	17	1,996	70.1%	0.2%	12.4%	17.7%
Alaska	12	6,734	69.5%	1.2%	15.0%	11.8%
Albuquerque	9	662	74.8%	0.8%	10.1%	14.4%
Bemidji	16	977	74.7%	1.0%	15.3%	8.9%
Billings	8	1,316	79.5%	0.7%	10.8%	9.0%
California	26	2,093	58.5%	0.5%	21.9%	17.0%
Nashville	6	381	80.3%	0%	13.9%	0%
Navajo	8	5,937	80.6%	0.5%	6.4%	12.5%
Oklahoma	14	1,431	86.0%	2.1%	10.8%	1.0%
Phoenix	10	3,641	79.5%	2.0%	8.3%	9.9%
Portland	26	1,600	75.1%	0.4%	9.9%	14.6%
Tucson	1	471	86.6%	0.2%	11.5%	1.7%
All Areas	153	27,239	74.9%	1.0%	11.7%	11.6%

H1N1 INFLUENZA VACCINATION

All 12 IHS Areas submitted reports, representing 153 facilities and 27,239 HCP. A breakdown of coverage by facility type is included in Table 3. Figure 2 and Table 4 include data on coverage by IHS Area.

Table 3: HCP H1N1 Influenza Vaccine Coverage by Facility Type

	Number of facilities	Number of HCP	% Vaccinated	% Medical Contraindications	% Refused	% Unknown
IHS Facilities	63	13,105	69.6%	0.8%	9.9%	19.7%
Tribal Facilities	84	13,836	54.7%	1.2%	16.0%	24.3%
Urban Facilities	6	298	41.9%	0.3%	31.5%	26.2%
All Facilities	153	27,239	61.7%	1.0%	13.3%	22.1%

**Figure 2: H1N1 Influenza Vaccination Coverage of HCP by IHS Area
IHS, Tribal, and Urban Facilities**

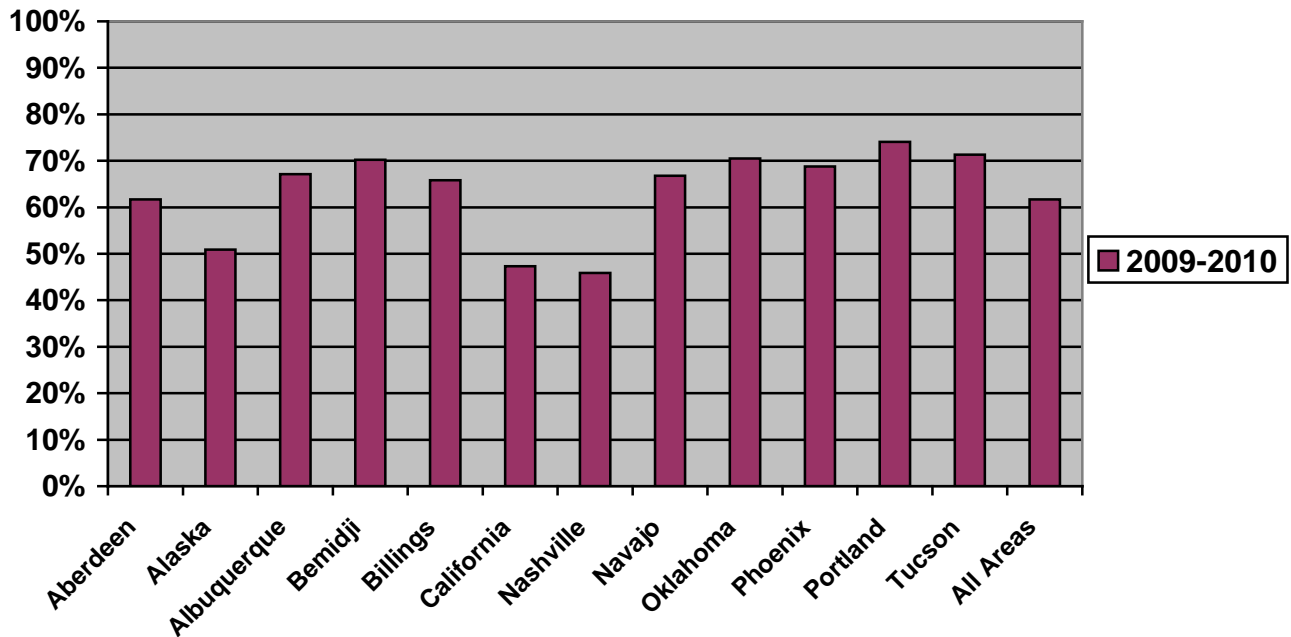


Table 4: HCP H1N1 Influenza Vaccine Coverage by IHS Area

	Number Facilities	Number HCP	% Vaccinated	% Medical Contraindications	% Refused	% Unknown
Aberdeen	17	1,996	61.7%	0.3%	18.0%	20.1%
Alaska	12	6,734	50.9%	1.1%	13.4%	29.3%
Albuquerque	9	662	67.1%	0.8%	11.2%	20.8%
Bemidji	16	977	70.2%	1.0%	20.7%	8.1%
Billings	8	1,316	65.8%	0.7%	14.4%	19.1%

California	26	2,093	47.3%	0.5%	27.9%	23.5%
Nashville	6	381	45.9%	0.3%	18.9%	0%
Navajo	8	5,937	66.8%	0.6%	2.6%	30.0%
Oklahoma	14	1,431	70.5%	2.0%	24.2%	2.7%
Phoenix	10	3,641	68.8%	2.2%	13.5%	15.5%
Portland	26	1,600	74.1%	0.4%	12.7%	12.8%
Tucson	1	471	71.3%	0.2%	7.0%	21.4%
All Areas	153	27,239	61.7%	1.0%	13.3%	22.1%

Conclusion:

As an agency, IHS achieved 74.9% coverage with seasonal influenza vaccine among HCP in 2010, a 3.6% increase over the 2008 - 2009 influenza season. This is higher than the coverage reported nationally for HCP (61.9%), and surpasses the HP 2010 goal of 60%. In addition, IHS achieved higher coverage with H1N1 vaccine among its HCP compared to reported national levels (61.7% for IHS vs. 37.1% nationally). There is, however, variation between Areas and facility type.

While the proportion of refusals for seasonal and H1N1 influenza vaccine were similar, a higher proportion of sites (31.7%) reported that safety was the reason HCP refused H1N1 vaccine; by comparison, only 23.8% of sites reported that safety was a concern for those refusing seasonal influenza vaccine.

Contributing factors for IHS's success in achieving high coverage rates likely include concerted vaccination and educational efforts carried out by local staff re: the importance of influenza vaccination, establishment of a national system to monitor and report influenza vaccination coverage levels, and the relatively high proportion of Commissioned Corp personnel, for whom seasonal influenza vaccination is a readiness requirement.