Indian Health Service



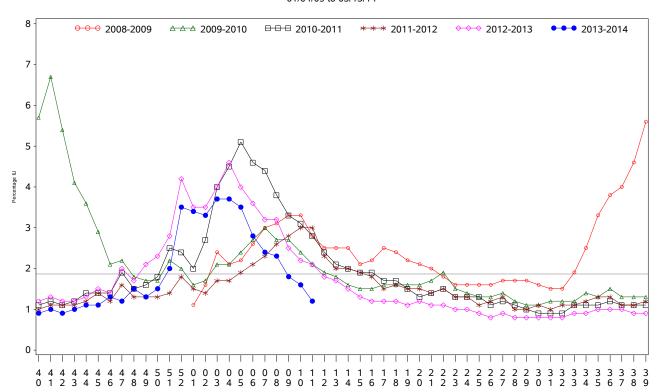
Division of Epidemiology and Disease Prevention

Influenza Surveillance Report

IHS Influenza Awareness System (IIAS)
#24 (Week 11: 3/09/2014 – 3/15/2014)

- Overall influenza-like-illness (ILI) activity in IHS and the U.S. decreased, though elevated activity continues in some parts of the U.S and in the IHS Navajo region.
- This influenza season has been particularly hard on younger adults. This age group is also less likely to get vaccinated. In IHS, 29% of the IHS Active Clinical population 18 49 years of age have been vaccinated.
- American Indian/Alaska Native people are at high risk for serious influenza-related complications. Early initiation of antiviral treatment for suspected influenza cases is particularly critical. Guidelines regarding influenza antiviral treatment can be found here: http://www.cdc.gov/mmwr/preview/mmwrhtml/rr6001a1.htm

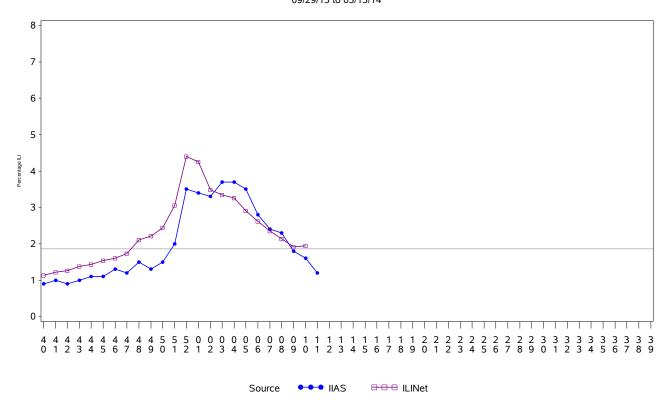
All IHS Areas Influenza-Like Illness (ILI) for All Surveillance Years Percentage of Visits for ILI per week 01/04/09 to 03/15/14



Percentage of ILI visits is number of ILI visits divided by total number of daily visits.

The horizontal line represents the 2013-2014 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Proportion of Outpatient Visits for Influenza-Like Illness (ILI) Percent ILI for FluYear 2013 - 2014 ILINet vs. IIAS 09/29/13 to 03/15/14

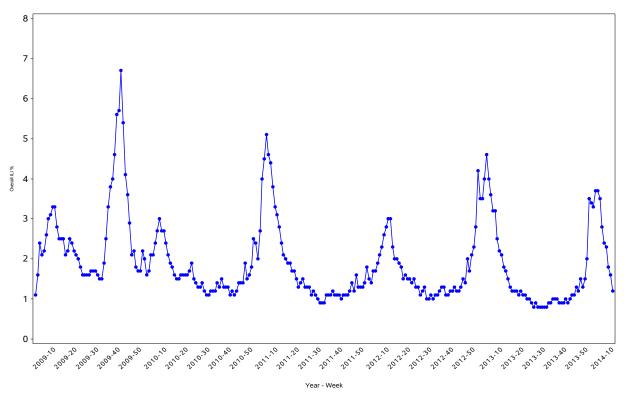


Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).

The horizontal line represents the 2013-2014 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

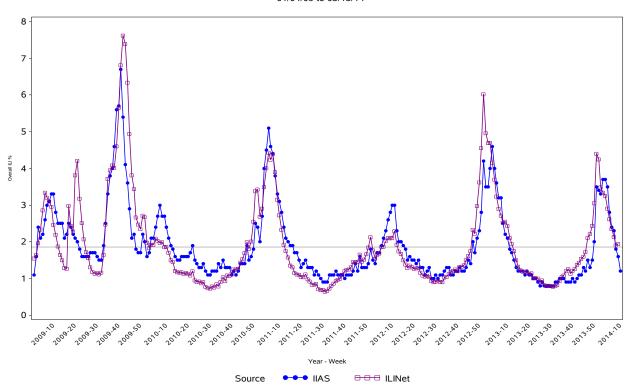
Sources: ILINet - CDC Sentinal Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

All IHS Areas Influenza-Like Illness (ILI) All Surveillance Years - Continuous Percentage of Visits for ILI per week 01/04/09 to 03/15/14

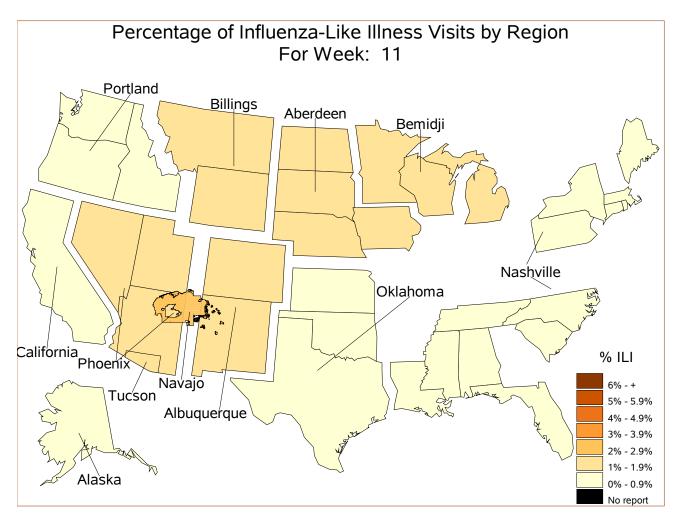


Percentage of ILI visits is number of ILI visits divided by total number of daily visits.

IIAS versus ILINet Influenza-Like IIIness (ILI) All Surveillance Years - Continuous Percentage of Visits for ILI per week 01/04/09 to 03/15/14



Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).



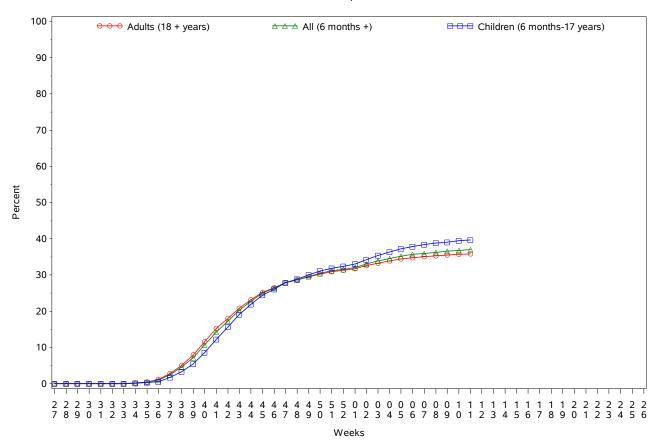
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 10	% in Week 11				
NATIONAL	1.6	1.2				
ABERDEEN	2.4	1.9				
ALASKA	0.9	0.8				
ALBUQUERQUE	1.3	1.5				
BEMIDJI	1.3	1.1				
BILLINGS	1.2	1.0				
CALIFORNIA	0.7	0.5				
NASHVILLE	1.4	0.8				
NAVAJO	3.0	2.5				
OKLAHOMA	1.2	0.6				
PHOENIX	1.6	1.4				
PORTLAND	0.9	0.8				
TUCSON	1.5	1.0				

IHS Influenza Vaccination* Surveillance

• As of 3/15/2014, sites reporting to the IIAS have administered 434,735 doses (1st and 2nd) of seasonal influenza vaccine to Active Clinical patients.

All IHS Areas Cumulative One-Dose Seasonal Influenza Vaccine Coverage 06/30/13 to 03/15/14 Active Clinical Population



^{*} Not all sites are currently sending the newer influenza vaccine codes, which may result in an underestimate of vaccine coverage.

Influenza Vaccination Coverage by Age Group*

	Active Clinical Population**	Seasonal Flu Vaccine (At Least 1 Dose)***	% Seasonal Flu (At Least 1 Dose)	Seasonal Flu Vaccine (At Least 2 Doses)	% Seasonal Flu (At Least 2 Doses)	Total # Doses Administered
0 - 5 months	5,290	173	3.3	2	0.0	175
6 - 23 months	26,364	17,528	66.5	5,825	22.1	23,430
2 - 4 years	64,491	24,087	37.3	1,079	1.7	25,259
5 - 17 years	236,467	88,470	37.4	1,149	0.5	89,970
18 - 49 years	507,075	146,972	29.0	1,928	0.4	149,643
50 - 64 years	195,958	88,118	45.0	1,174	0.6	89,761
65 + years	107,334	55,374	51.6	908	0.8	56,672
Children (6 months- 17 years)	327,322	130,085	39.7	8,053	2.5	138,659
Adults (18 + years)	810,367	290,464	35.8	4,010	0.5	296,076
All (6 months +)	1,137,689	420,549	37.0	12,063	1.1	434,735

^{*} Not all sites are currently sending the newer influenza vaccine codes, which may result in an underestimate of vaccine coverage.

Influenza Vaccination Doses Administered by Influenza Vaccination Type*

Area	Inactive CVX Codes**	CVX 88 FLU- NOS**	CVX 111 FLU- LAIV3	CVX 135 FLU- HIGH	CVX 140 FLU- IIV3pf	CVX 141 FLU- IIV3	CVX 144 FLU- DERMAL	CVX 149 FLU- LAIV4	CVX 150 FLU- IIV4pf	CVX 153 FLU- ccIIV3	CVX 155 FLU- RIV3	CVX 158 IIV4	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes	Cumulative # of Doses Seasonal Flu
ABR	94	295	47	341	4610	18988	85	2362	1422	25	10	726	1	2401	207	31614
AKA	601	87	66	280	3372	7024	28	833	1854	8	4	299		415	278	15149
ALB	50	312	24	662	5331	21285	316	2105	1548	9	8	180		675	1279	33784
BEM	98	156	251	96	2792	9352	226	295	45	1	3	82		1613	374	15384
BIL	49	200	38	1000	13891	6978	261	2323	1224	9		23	2	197	293	26488
CAO	90	230	100	648	2343	12029	54	615	847	145		10		539	421	18071
NSA	83	86	13	81	3454	4511	461	147	377	2	1	6		180	170	9572
NAV	358	451	75	149	8564	88193	1	1711	2012	1	5	1182	37	914	1195	104848
ОКС	428	3693	133	2174	13202	69153	146	3882	7586	4	7	568	521	3874	396	105767
PHX	224	425	65	678	17754	21582	48	2406	3780	1	10	769	8	1420	1544	50714
POR	147	531	416	444	4588	22929	119	2056	404	10	551	82		736	382	33395
TUC	25	29	108	4	5555	1740		421	790		3	67		290	142	9174
	2247	6495	1336	6557	85456	283764	1745	19156	21889	215	602	3994	569	13254	6681	453960

^{*} Not all sites are currently sending the newer influenza vaccine codes, which may result in an underestimate of vaccine coverage.

^{**} Active Clinical population is defined as patients who have had at least 2 visits in the last 3 years

^{***} Limited to sites that exported both doses administered and active clinical population data

^{**} Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season.

^{***} CVX Code 88 (FLU-NOS) should only be used to document flu vaccines given elsewhere when flu vaccine type is unknown.

• This report includes data from the following # of RPMS databases:

IHS Area	# of RPMS Databases Reporting*	# of Facilities Reporting**
NATIONAL	156	362
ABERDEEN	14	26
ALASKA	11	84
ALBUQUERQUE	13	22
ВЕМІОЛІ	4	11
BILLINGS	12	29
CALIFORNIA	14	21
NASHVILLE	18	22
NAVAJO	7	31
OKLAHOMA	21	45
PHOENIX	15	26
PORTLAND	26	36
TUCSON	1	9

^{*} Exporting databases may include data from multiple facilities.

^{**} Includes only facility categories: Hospital, Health Center, Health Station, Health Location, Alaska Village Clinic.