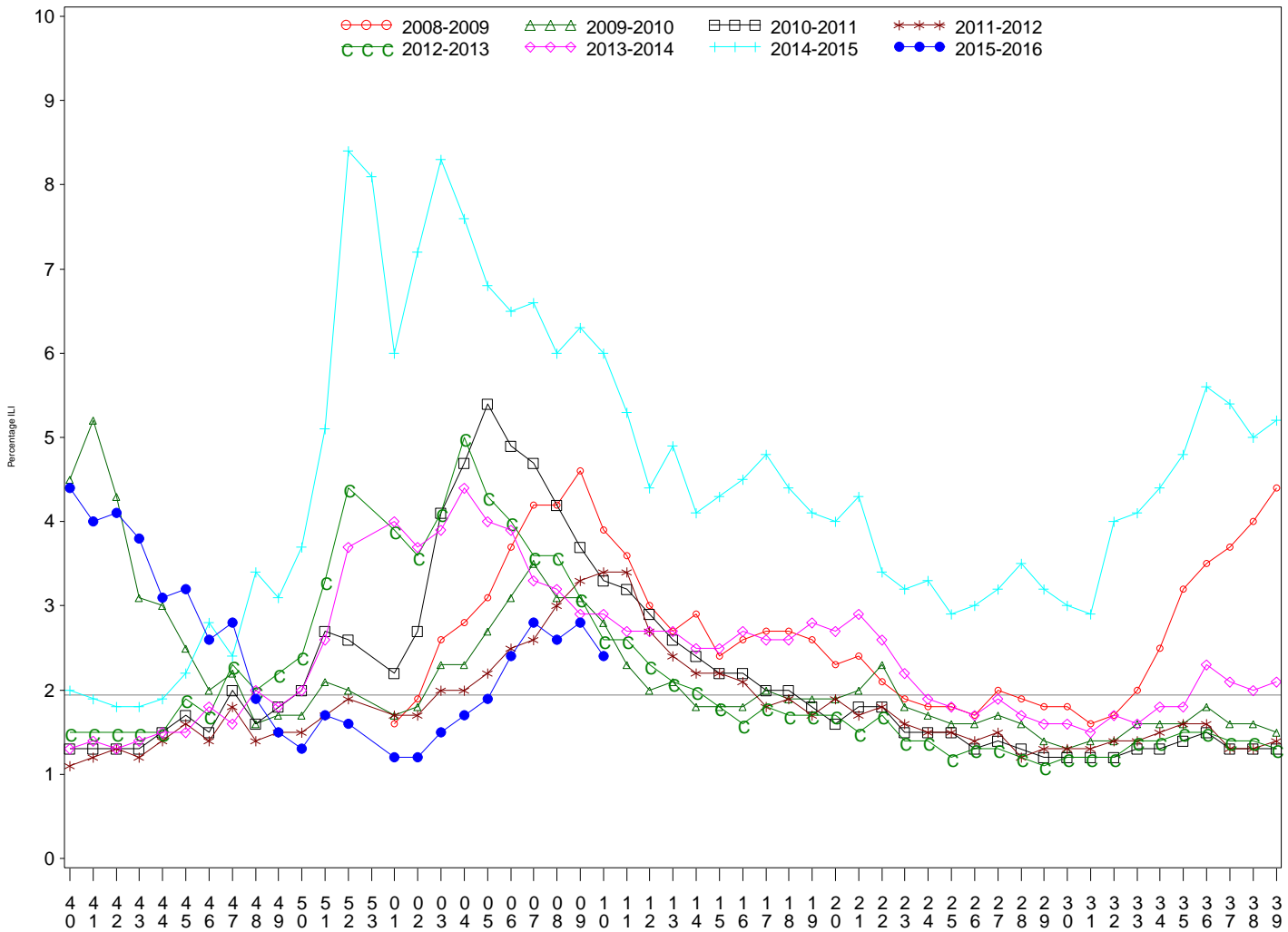




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
 (Week 10: 3/06/2016 – 3/12/2016)

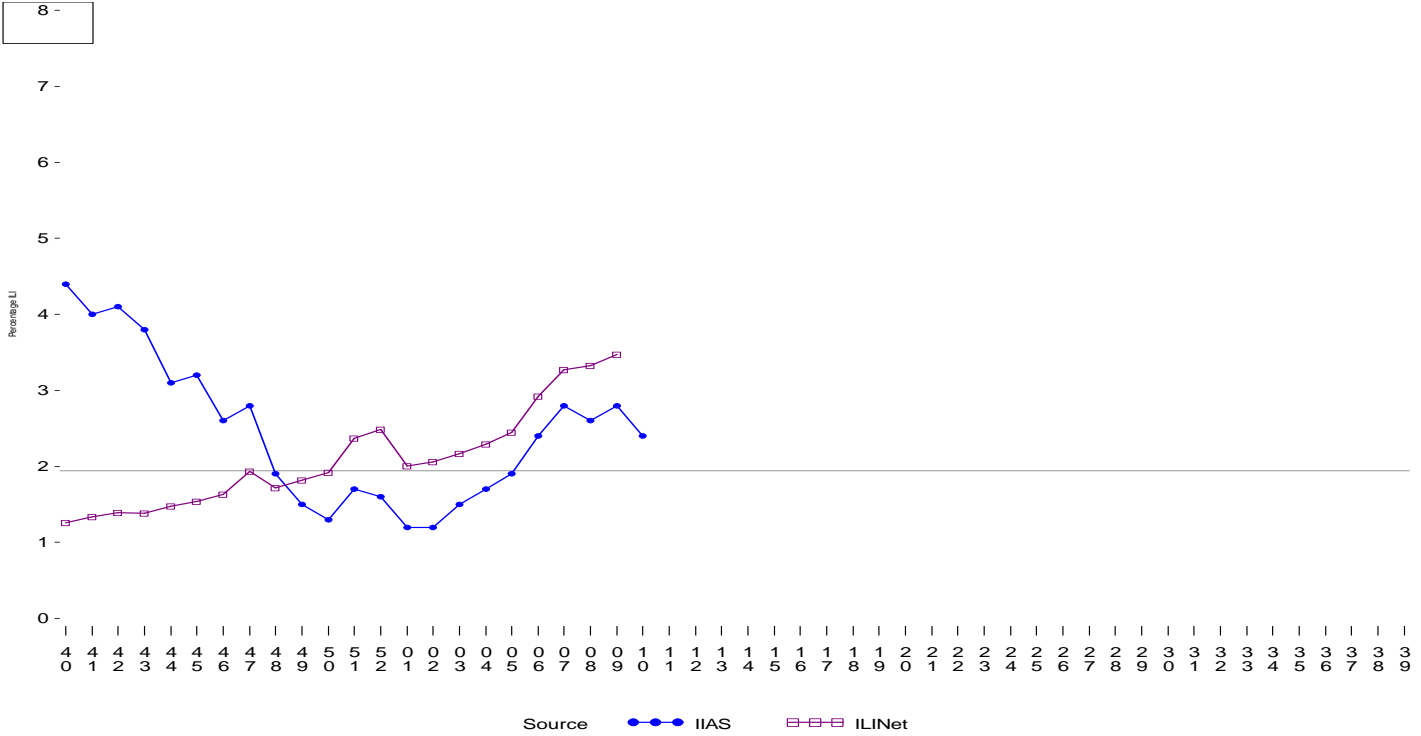
- Influenza-like-illness (ILI) activity in IHS remains elevated and is above the national baseline.
- To date IHS has administered over 380,000 doses of influenza vaccine.
- Overall, 34% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas  
 Influenza-Like Illness (ILI) for All Surveillance Years  
 Percentage of Visits for ILI per week  
 01/04/09 to 03/12/2016



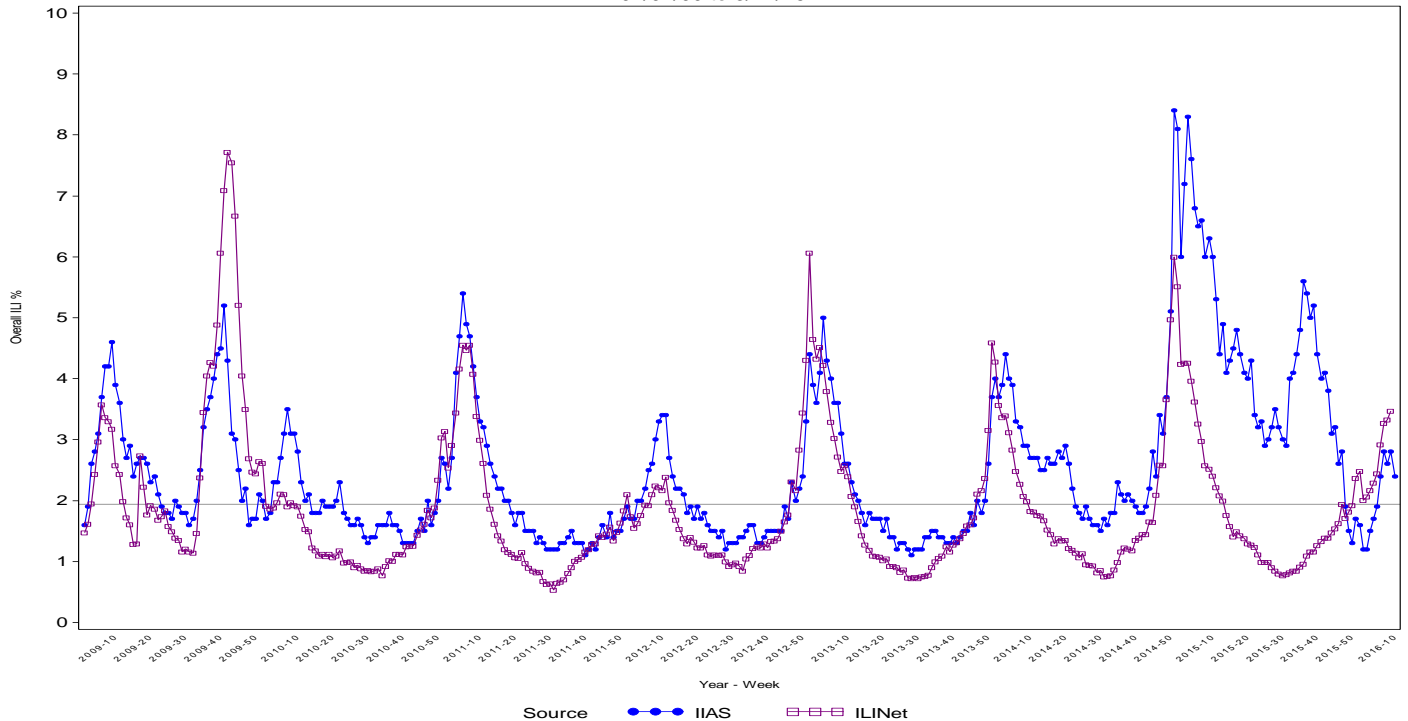
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.  
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.  
 Sources: ILINet - CDC Sentinal Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Proportion of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2015 - 2016  
 ILINet vs. IAS  
 10/04/15 to 3/12/16



Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).  
 The horizontal line represents the 2014-2015 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.

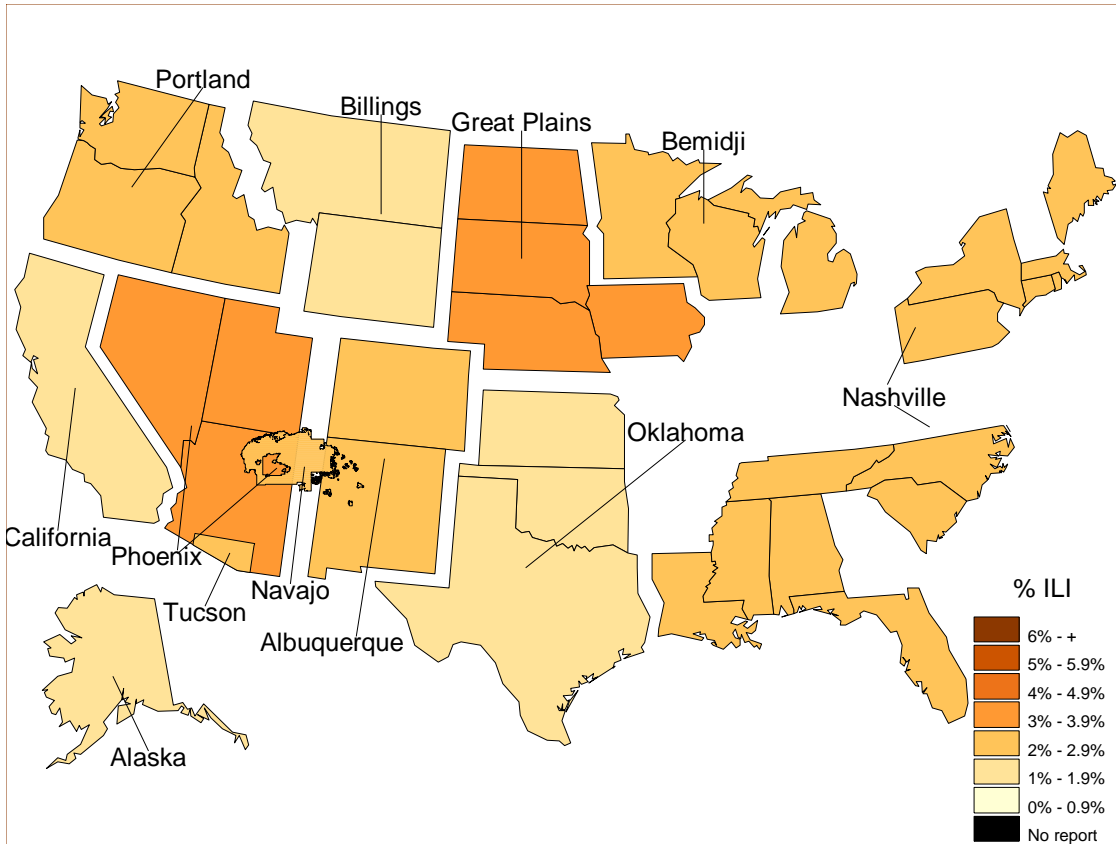
IAS versus ILINet  
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous  
 Percentage of Visits for ILI per week  
 01/04/09 to 3/12/16



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

The horizontal line represents the 2014-2015 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.

### Percentage of Influenza-Like Illness Visits by IHS Area For Week: 10



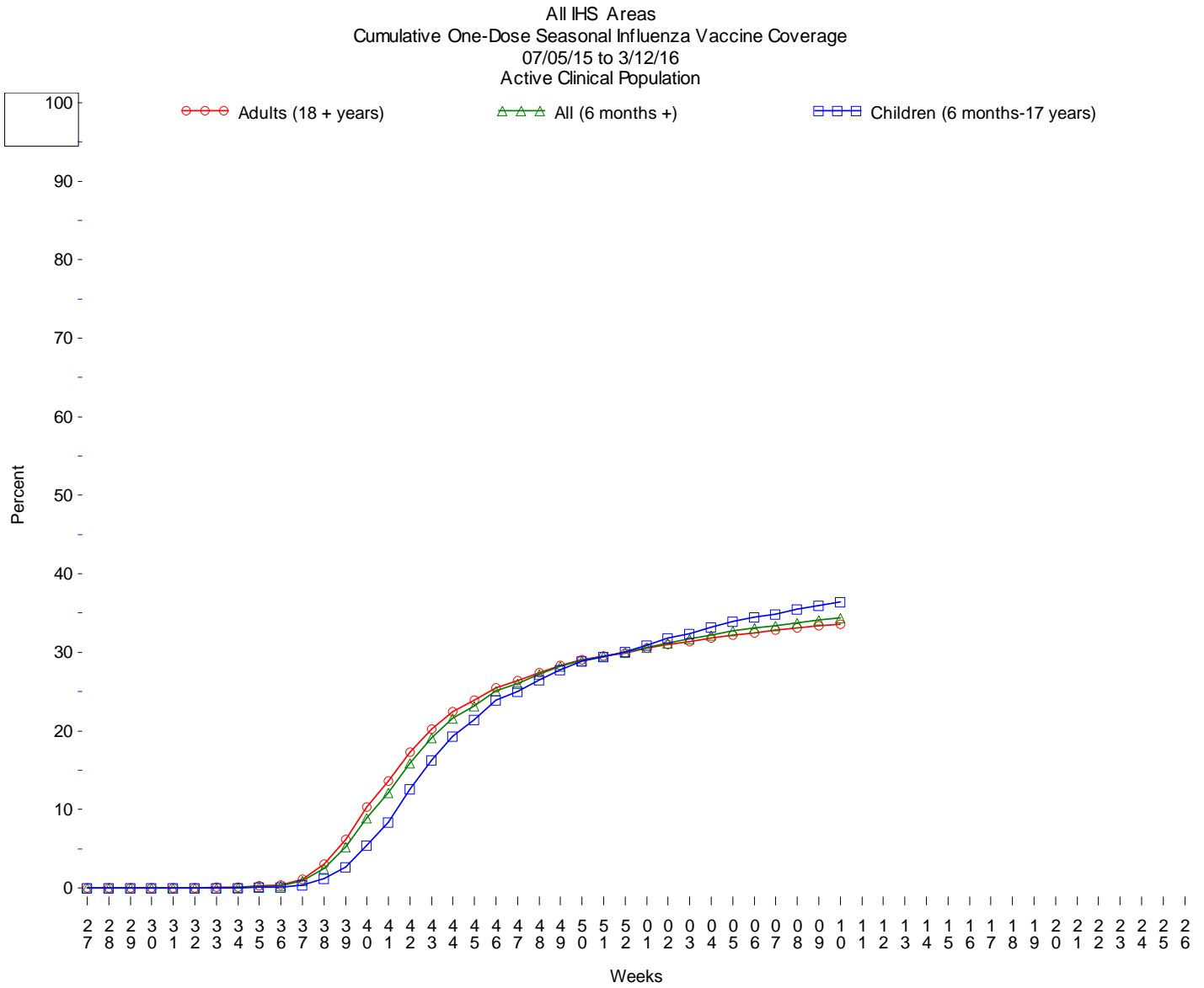
### % Visits for ILI Compared to Previous Week

IHS Areas	% in Week 9	% in Week 10
NATIONAL	2.8	2.4
ALASKA	1.2	1.9
ALBUQUERQUE	2.9	2.7
BEMIDJI	2.1	2.5
BILLINGS	1.8	1.8
CALIFORNIA	1.7	1.5
GREAT PLAINS	4.1	3.2
NASHVILLE	1.7	2.4
NAVAJO	3.6	2.7
OKLAHOMA	1.5	1.2
PHOENIX	3.7	3.2
PORTLAND	2.3	2.1
TUCSON	3.9	2.7

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

### IHS Influenza Vaccination Surveillance

- As of 3/12/2016, sites reporting to the IAS have administered 380,218 doses (1st and 2nd) of seasonal influenza vaccine to Active Clinical patients.



## Influenza Vaccination Coverage by Age Group\*

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	4,932	121	2.5	33	0.7	155
6 - 23 months	24,267	15,066	62.1	4,713	19.4	19,841
2 - 4 years	59,394	19,728	33.2	684	1.2	20,528
5 - 17 years	222,802	76,877	34.5	614	0.3	77,961
18 - 49 years	463,682	124,955	26.9	937	0.2	126,921
50 - 64 years	193,000	79,924	41.4	651	0.3	81,227
65 + years	109,992	52,638	47.9	611	0.6	53,740
Children (6 months-17 years)	306,463	111,671	36.4	6,011	2.0	118,330
Adults (18+ years)	766,674	257,517	33.6	2,199	0.3	261,888
All (6 months +)	1,073,137	369,188	34.4	8,210	0.8	380,218

\* Limited to sites that exported both doses administered and active clinical population data.

\*\* Active Clinical is defined as patients who have had at least 2 visits in the last 3 years.

\*\*\* Number of unique patients with at least 1 dose, doses deduplicated.

\*\*\*\* Total # Doses Administered = All doses administered to patients including doses not included in coverage calculation due to lack of Active Clinical Population data.

## Influenza Vaccination Doses Administered by Influenza Vaccination Type\*

Area	INACTIV E 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-DER MAL	CVX 149 FLU-LAIV4	CVX 150 FLU-IIV4pf	CVX 153 FLU-cclIIV3	CVX 155 FLU-RIV3	CVX 161 IIV4pf -ped	CV X 166	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu	
AKA	24	282	4	337	370	1075	3	991	4958	81	.	4511	474	57	.	4	199	13370
ALB	63	238	23	1520	5721	15963	1	2374	1540	1	202	1679	1031	10	.	10	387	30763
BEM	186	100	7	354	439	6807	88	1083	1761	2	3	912	322	2	.	66	117	12249
BIL	7	276	4	1132	8838	4334	1	2055	4244	.	.	725	517	2	.	15	141	22291
CAO	130	346	9	1401	2514	6097	9	1958	5852	.	1	4884	714	68	.	16	320	24319
GPA	232	929	65	536	5647	17100	1	2296	4615	2	6	4957	1702	6	.	30	104	38228
NSA	2	165	.	245	1464	6894	158	521	3147	1	10	316	93	302	.	8	176	13502
NAV	199	442	10	1054	380	72470	3	1166	11127	3	2	4465	2219	260	.	74	626	94500
OKC	1049	2826	139	2217	1689	33754	41	1962	5604	4	19	2955	1192	464	33	40	269	54257
PHX	23	608	9	2113	11593	20472	16	2484	10283	.	6	793	2871	27	2	42	431	51773
POR	33	773	28	1009	2163	12346	5	2371	3902	27	13	3312	462	542	.	96	167	27249
TUC	.	132	1	42	6026	365	2	322	1371	.	.	60	688	1	.	28	84	9122
	<b>1948</b>	<b>7117</b>	<b>299</b>	<b>11960</b>	<b>46844</b>	<b>197677</b>	<b>328</b>	<b>19583</b>	<b>58404</b>	<b>121</b>	<b>262</b>	<b>29569</b>	<b>12285</b>	<b>174</b>	<b>35</b>	<b>429</b>	<b>3021</b>	<b>391623</b>

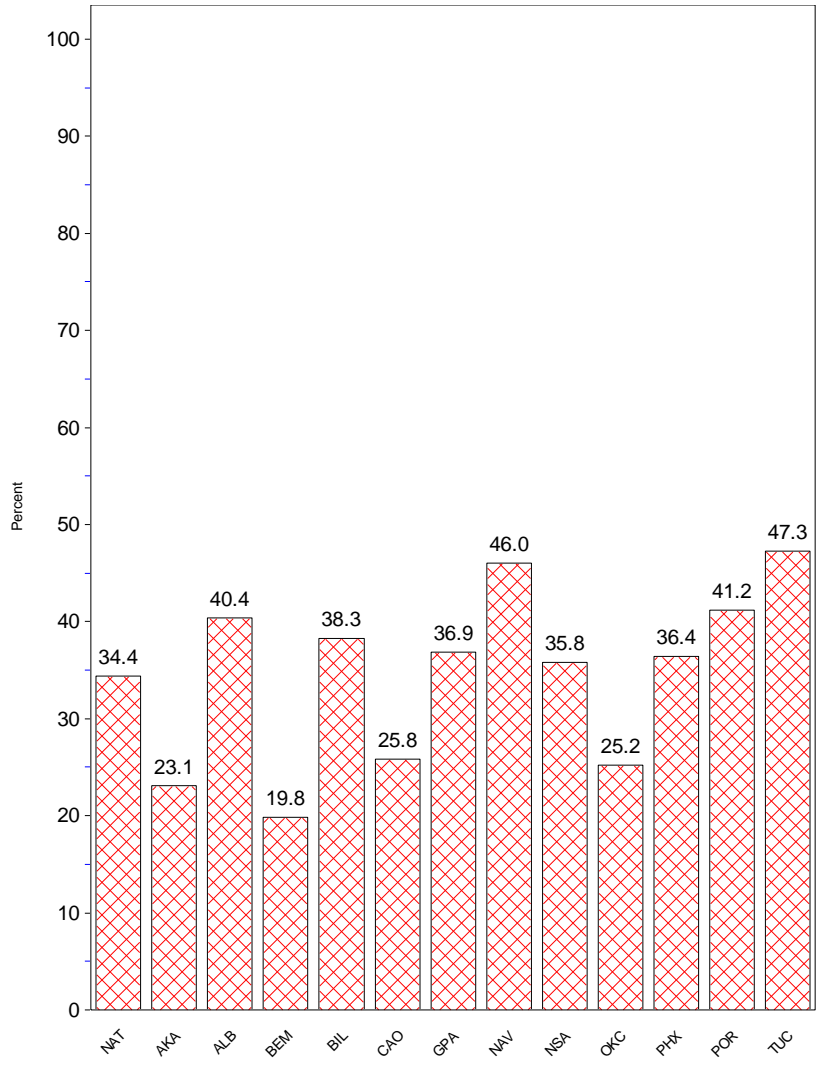
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

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

+ CPT Flu codes include: 90654-90662, 90672-90673, 90685-90686, 90724, G0008, G8108.

^ ICD9 codes V04.8 and V06.6 are not displayed on this report and are not used in any of the influenza vaccine coverage calculations.

All IHS Areas  
Influenza Vaccine Coverage by Age Groups – All (6 mos+)  
07/05/15 to 03/12/16  
%Seasonal Flu (At least 1 dose) for Active Clinical Population



- This report includes data from the following number of Resource and Patient Management System (RPMS) databases:

<b>IHS Area</b>	<b># of RPMS Databases Reporting*</b>	<b># of Facilities Reporting**</b>
NATIONAL	166	313
ALASKA	11	63
ALBUQUERQUE	13	22
BEMIDJI	5	10
BILLINGS	12	18
CALIFORNIA	21	37
GREAT PLAINS	18	32
NASHVILLE	18	22
NAVAJO	8	23
OKLAHOMA	18	25
PHOENIX	18	30
PORTLAND	23	27
TUCSON	1	4

\* Exporting databases may include data from multiple facilities.

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