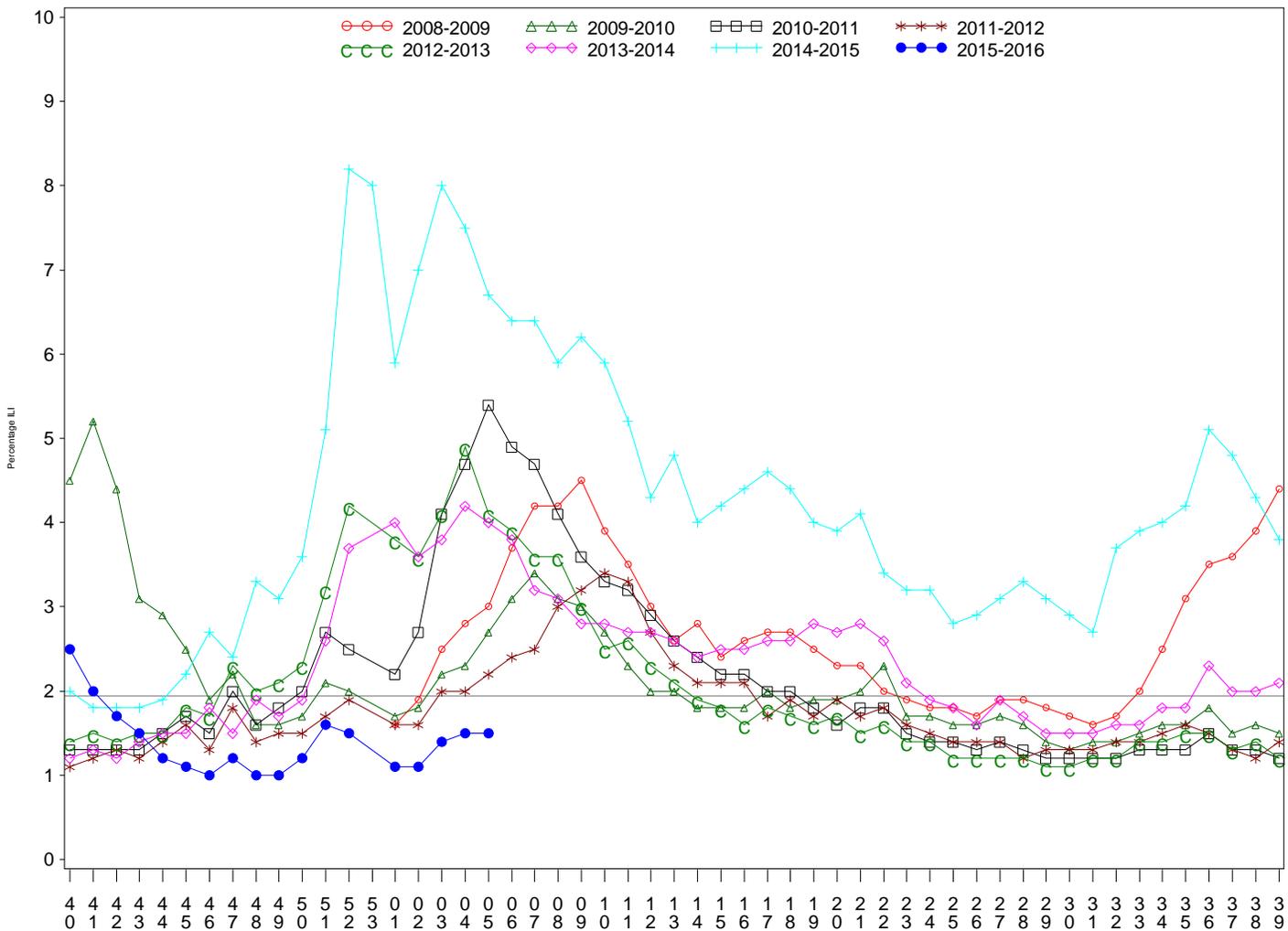




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
 (Week 5: 1/31/2016 – 2/06/2016)

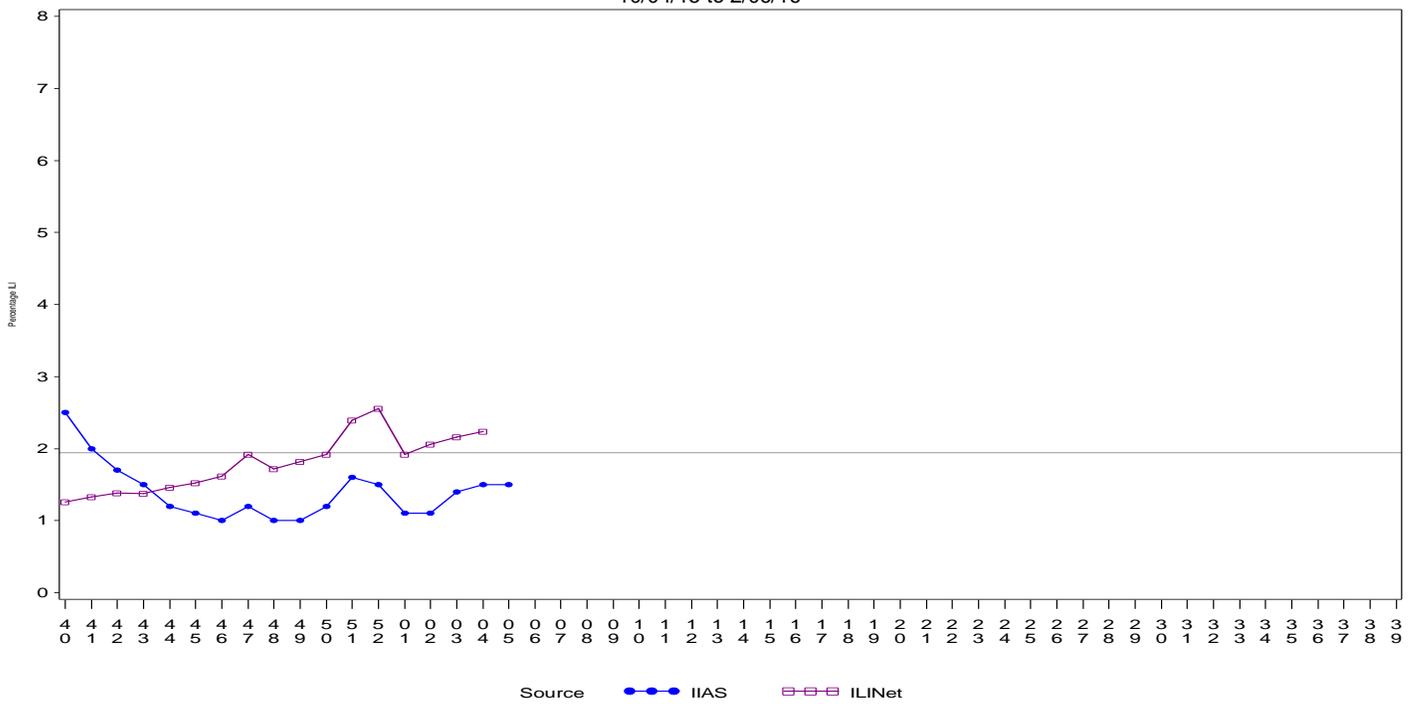
- Influenza-like-illness (ILI) activity in IHS is low, and below the national baseline.
- To date IHS has administered over 351,000 doses of influenza vaccine.
- Overall, 32% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas  
 Influenza-Like Illness (ILI) for All Surveillance Years  
 Percentage of Visits for ILI per week  
 01/04/09 to 02/06/16



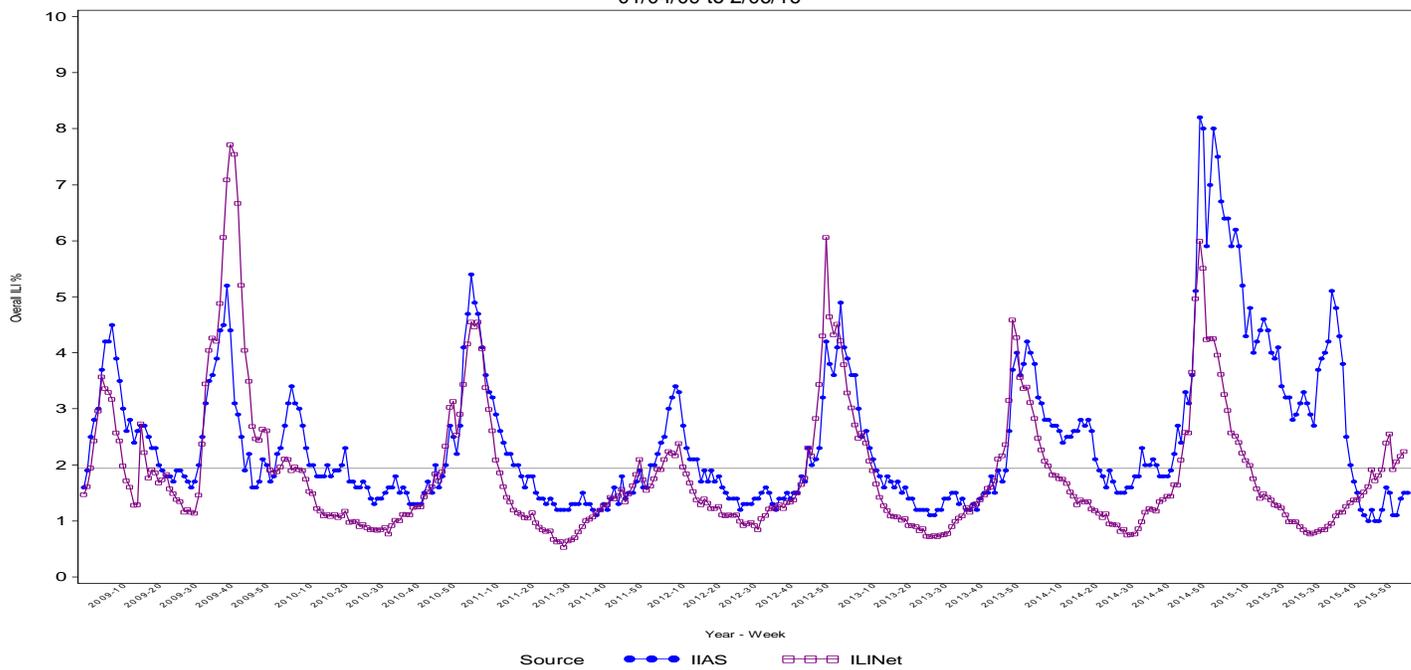
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.  
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.  
 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. IIAS  
 10/04/15 to 2/06/16



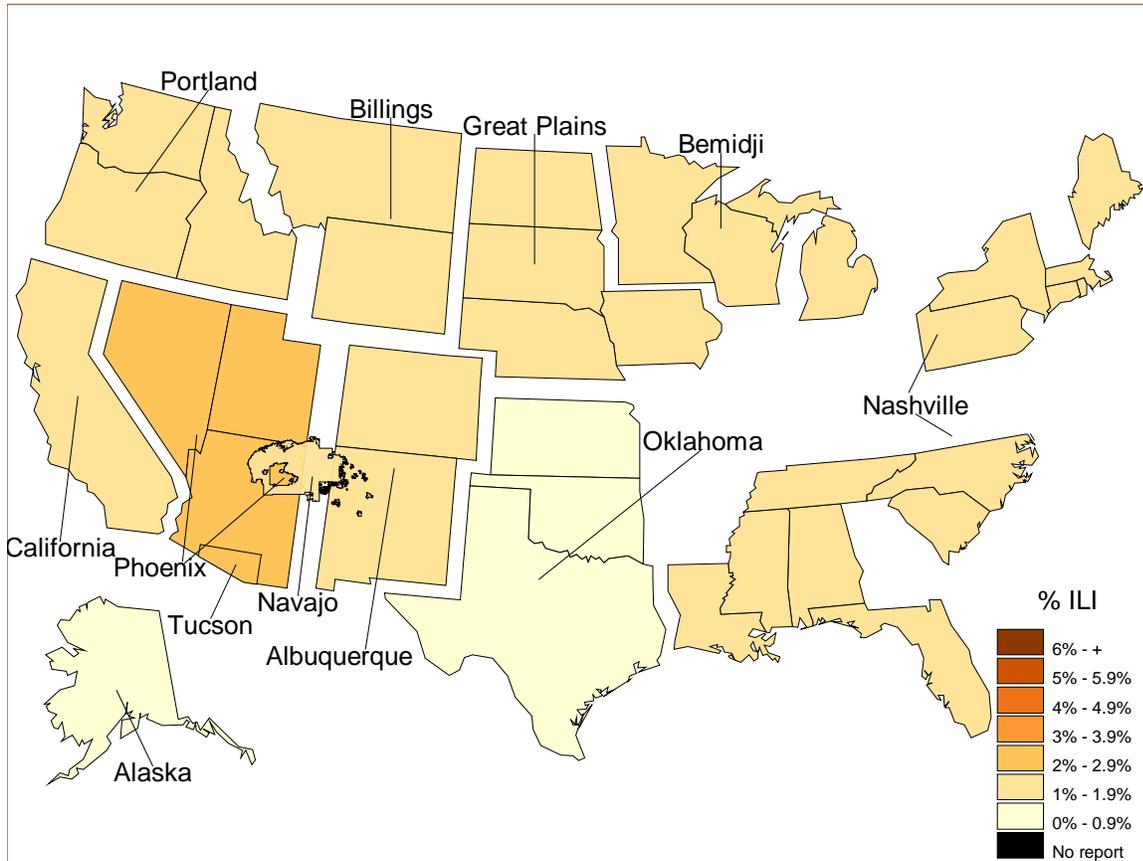
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).  
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

IIAS versus ILINet  
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous  
 Percentage of Visits for ILI per week  
 01/04/09 to 2/06/16



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: 5



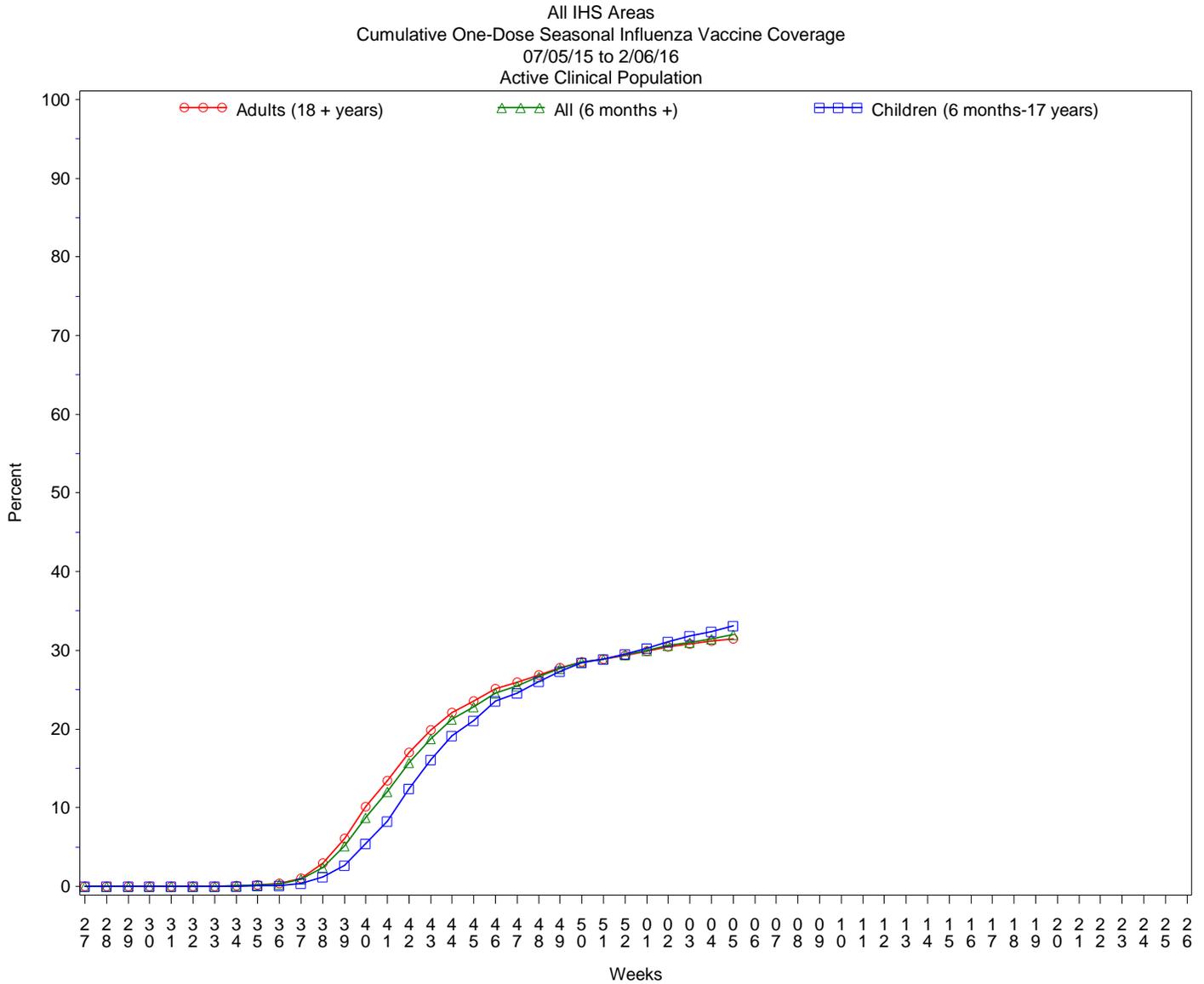
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 4	% in Week 5
NATIONAL	1.5	1.5
ALASKA	0.8	0.9
ALBUQUERQUE	0.8	1.4
BEMIDJI	0.6	1.1
BILLINGS	1.6	1.4
CALIFORNIA	1.4	1.5
GREAT PLAINS	1.1	1.2
NASHVILLE	1.5	1.3
NAVAJO	2.0	1.9
OKLAHOMA	1.4	0.9
PHOENIX	1.9	2.3
PORTLAND	0.8	1.1
TUCSON	1.8	2.5

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

## IHS Influenza Vaccination Surveillance

- As of 2/06/2016, sites reporting to the IIAS have administered 351,335 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	4,895	88	1.8	31	0.6	120
6 - 23 months	24,188	12,977	53.7	3,233	13.4	16,257
2 - 4 years	59,534	17,517	29.4	436	0.7	18,062
5 - 17 years	222,721	70,877	31.8	515	0.2	71,844
18 - 49 years	463,564	115,779	25.0	771	0.2	117,475
50 - 64 years	192,695	75,492	39.2	551	0.3	76,632
65 + years	109,412	50,084	45.8	519	0.5	51,065
Children (6 months-17 years)	306,443	101,371	33.1	4,184	1.4	106,163
Adults (18 + years)	765,671	241,355	31.5	1,841	0.2	245,172
All (6 months +)	1,072,114	342,726	32.0	6,025	0.6	351,335

\* 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-cclIV3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	20	259	3	318	355	1024	3	889	4570	80	.	4218	414	41	.	4	123	12321
ALB	47	189	11	1481	5282	14797	1	2280	1362	1	199	1533	876	9	.	10	381	28459
BEM	175	68	6	346	419	6438	88	919	1602	2	3	875	271	2	.	66	115	11395
BIL	6	217	4	1117	8369	4124	1	1904	3790	.	.	681	436	1	.	15	130	20795
CAO	118	309	7	1368	2423	5654	9	1781	5420	.	1	4690	624	52	.	16	308	22780
GPA	228	854	57	523	5378	15708	1	1996	4142	1	4	4517	1308	5	.	30	89	34841
NSA	2	121	.	240	1432	6549	153	451	3049	1	9	310	77	298	.	8	153	12853
NAV	172	357	4	996	346	68443	2	1060	9925	1	2	4213	1892	174	.	72	606	88265
OKC	985	2076	131	2159	1579	31458	33	1798	5074	3	18	2679	1011	414	33	40	249	49740
PHX	20	515	9	2014	10715	19345	16	2351	9158	.	6	757	2375	24	2	42	401	47750
POR	28	642	24	950	2064	11186	4	2149	3426	22	12	3010	386	520	.	94	151	24668
TUC	.	127	1	39	5579	361	2	289	1206	.	.	27	561	1	.	27	79	8299
	<b>1801</b>	<b>5734</b>	<b>257</b>	<b>11551</b>	<b>43941</b>	<b>185087</b>	<b>313</b>	<b>17867</b>	<b>52724</b>	<b>111</b>	<b>254</b>	<b>27510</b>	<b>1023 1</b>	<b>1541</b>	<b>35</b>	<b>424</b>	<b>2785</b>	<b>362166</b>

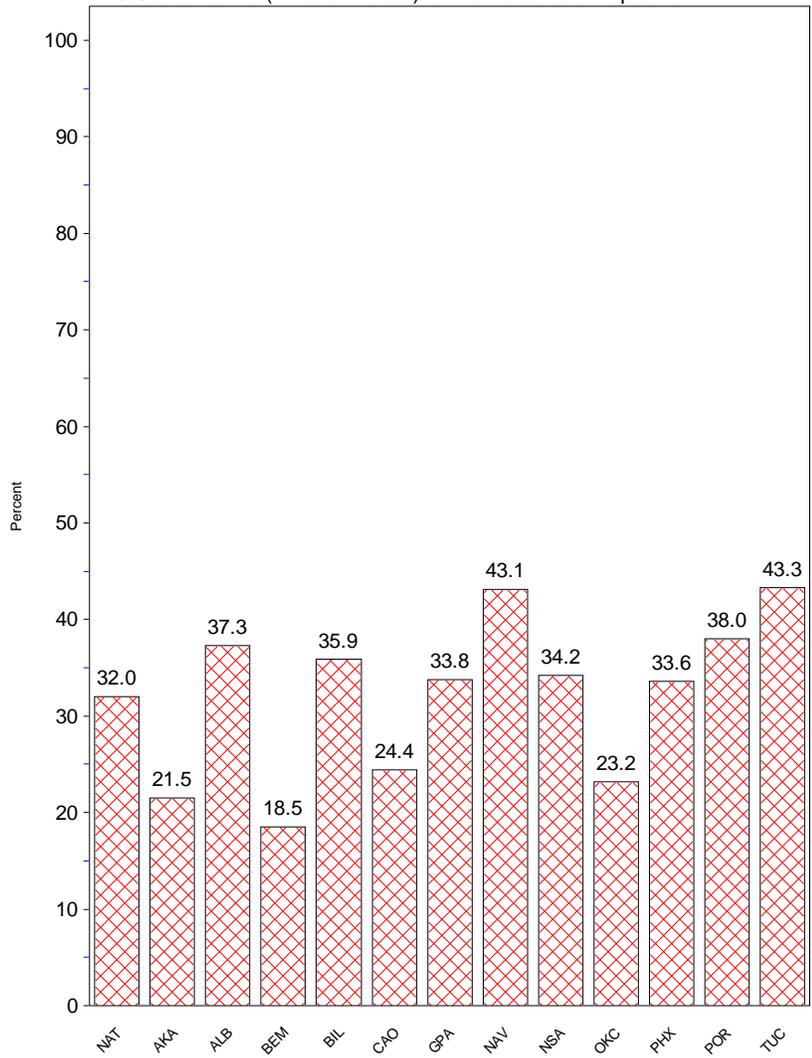
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

\*\* 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 mons+)  
07/05/15 to 2/06/16  
%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	156	317
ALASKA	12	74
ALBUQUERQUE	13	21
BEMIDJI	5	11
BILLINGS	13	26
CALIFORNIA	20	35
GREAT PLAINS	17	32
NASHVILLE	19	24
NAVAJO	8	21
OKLAHOMA	9	14
PHOENIX	18	30
PORTLAND	21	25
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.