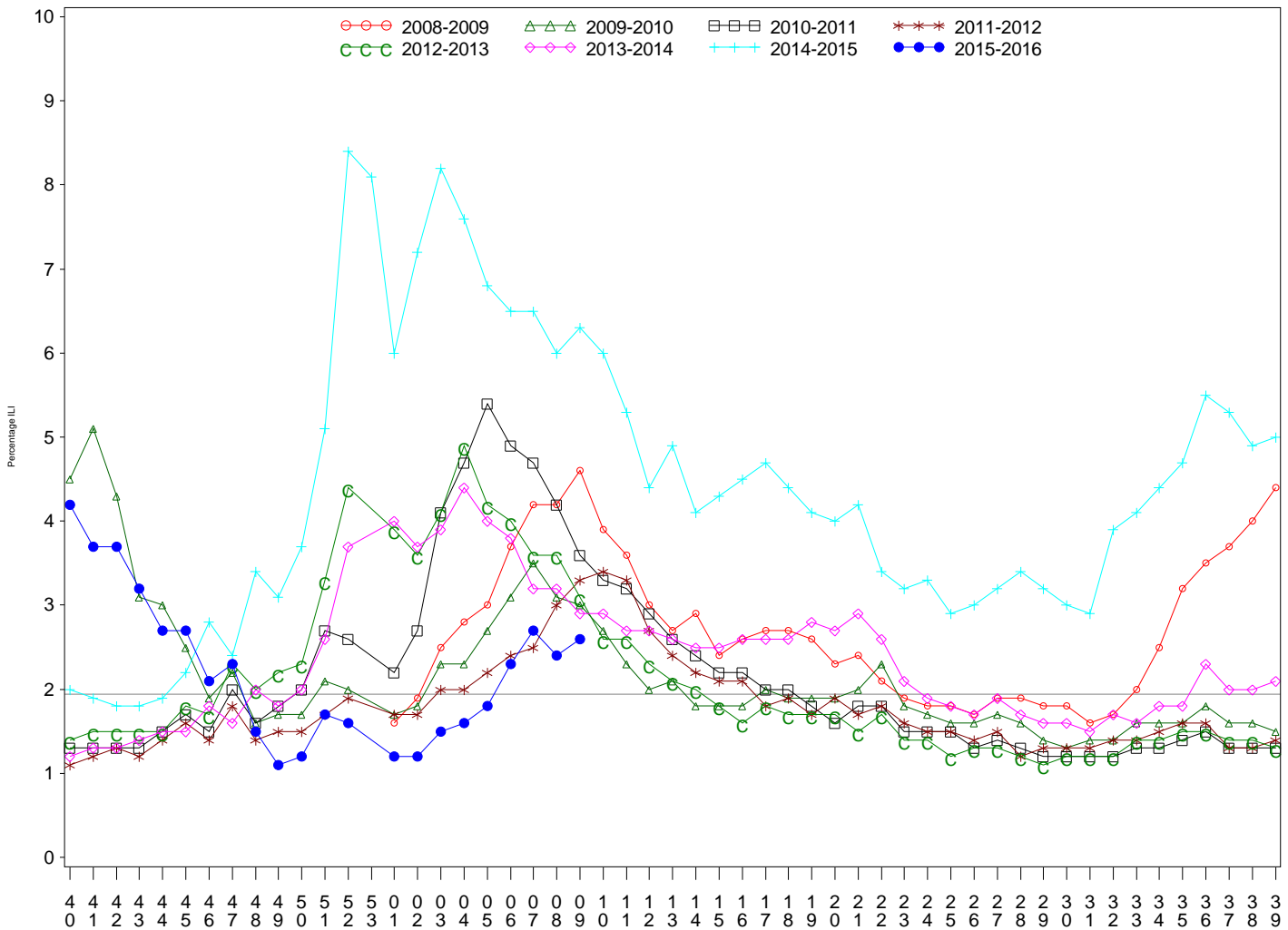




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 9: 2/28/2016 – 3/05/2016)**

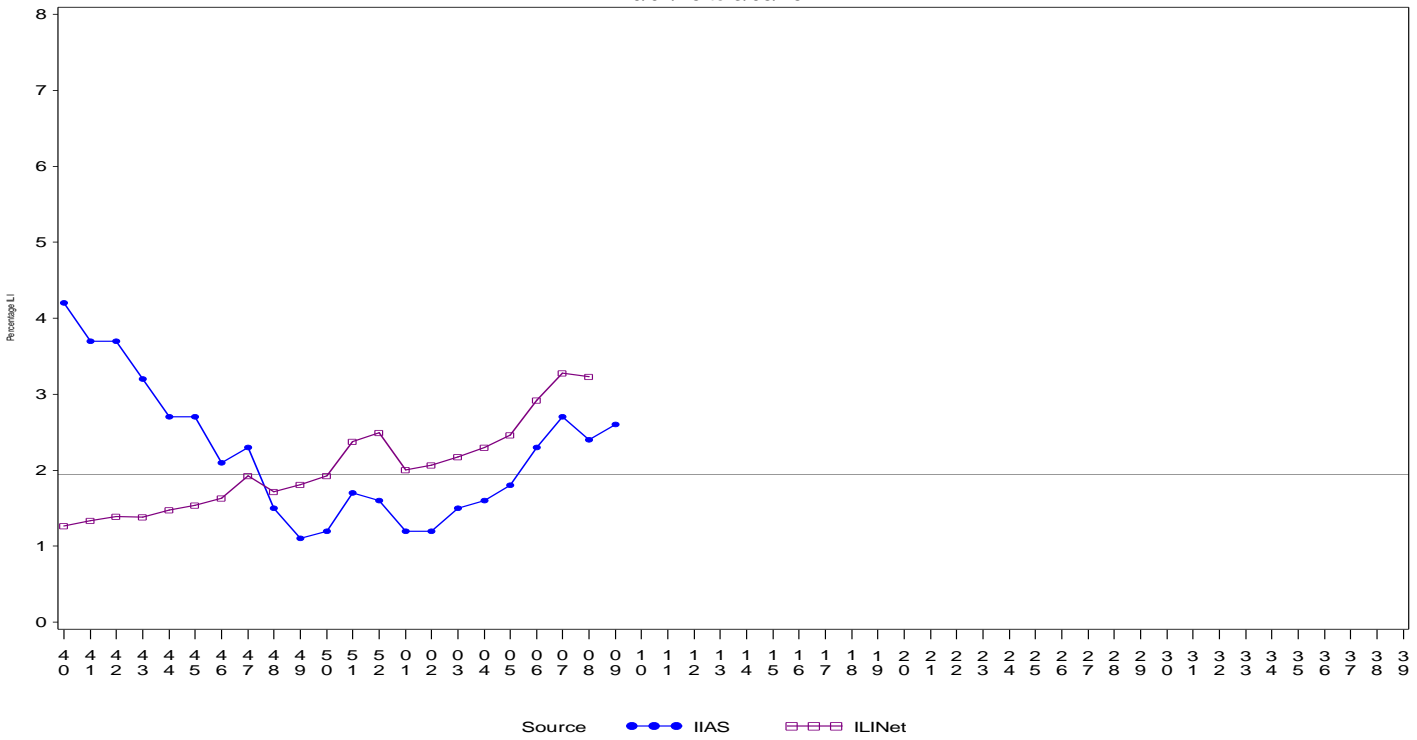
- Influenza-like-illness (ILI) activity in IHS remains elevated and is above the national baseline.
- To date IHS has administered over 375,000 doses of influenza vaccine.
- Overall, 34% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas  
 Influenza-Like Illness (ILI) for All Surveillance Years  
 Percentage of Visits for ILI per week  
 01/04/09 to 03/05/2016



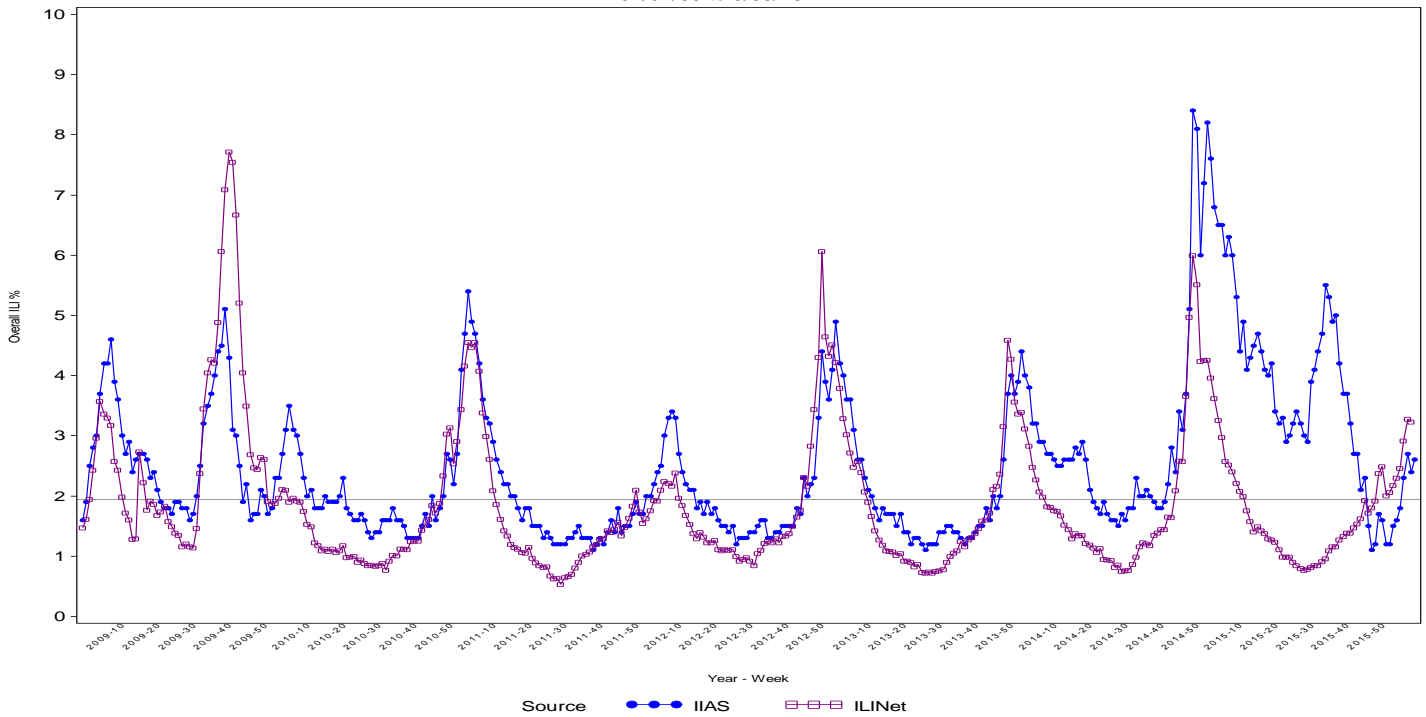
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.  
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.  
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

Percent ILI for Flu Year 2015 - 2016  
 ILINet vs. IIAS  
 10/04/15 to 3/05/16



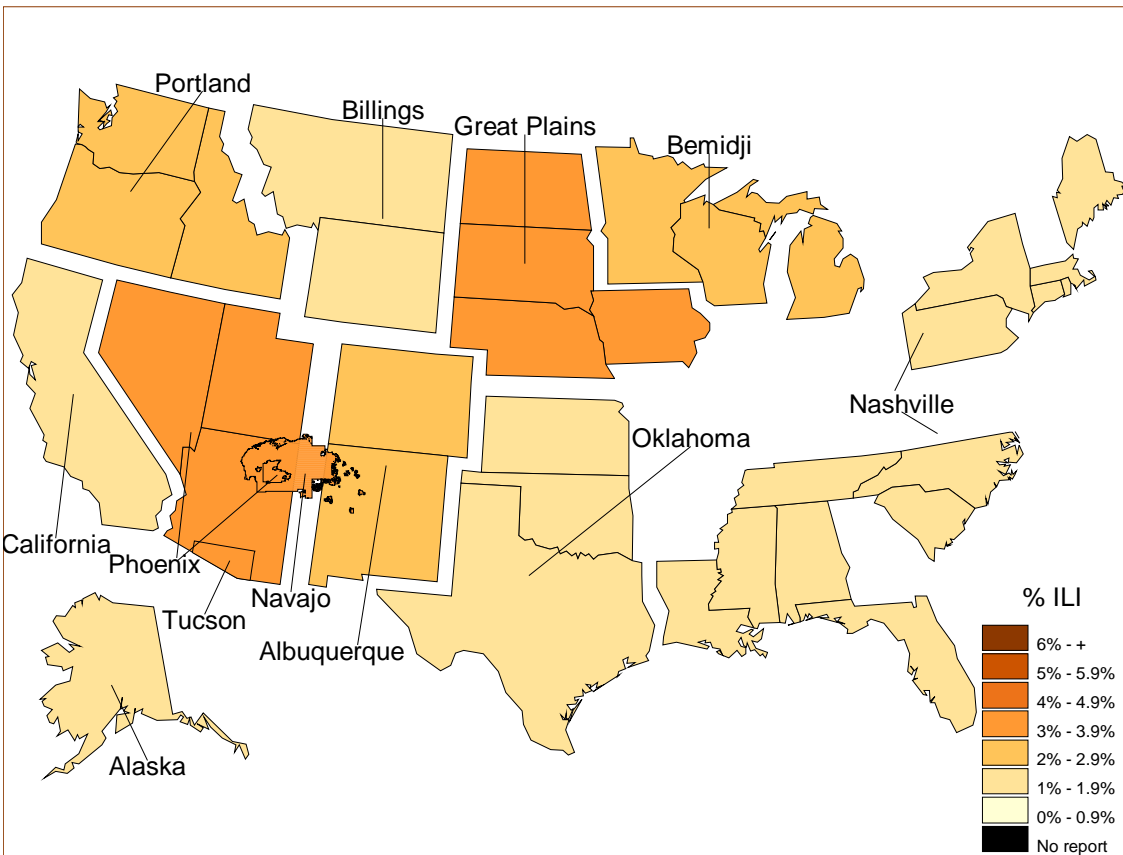
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).  
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard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

IIAS versus ILINet  
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous  
 Percentage of Visits for ILI per week  
 01/04/09 to 3/05/16



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: 9



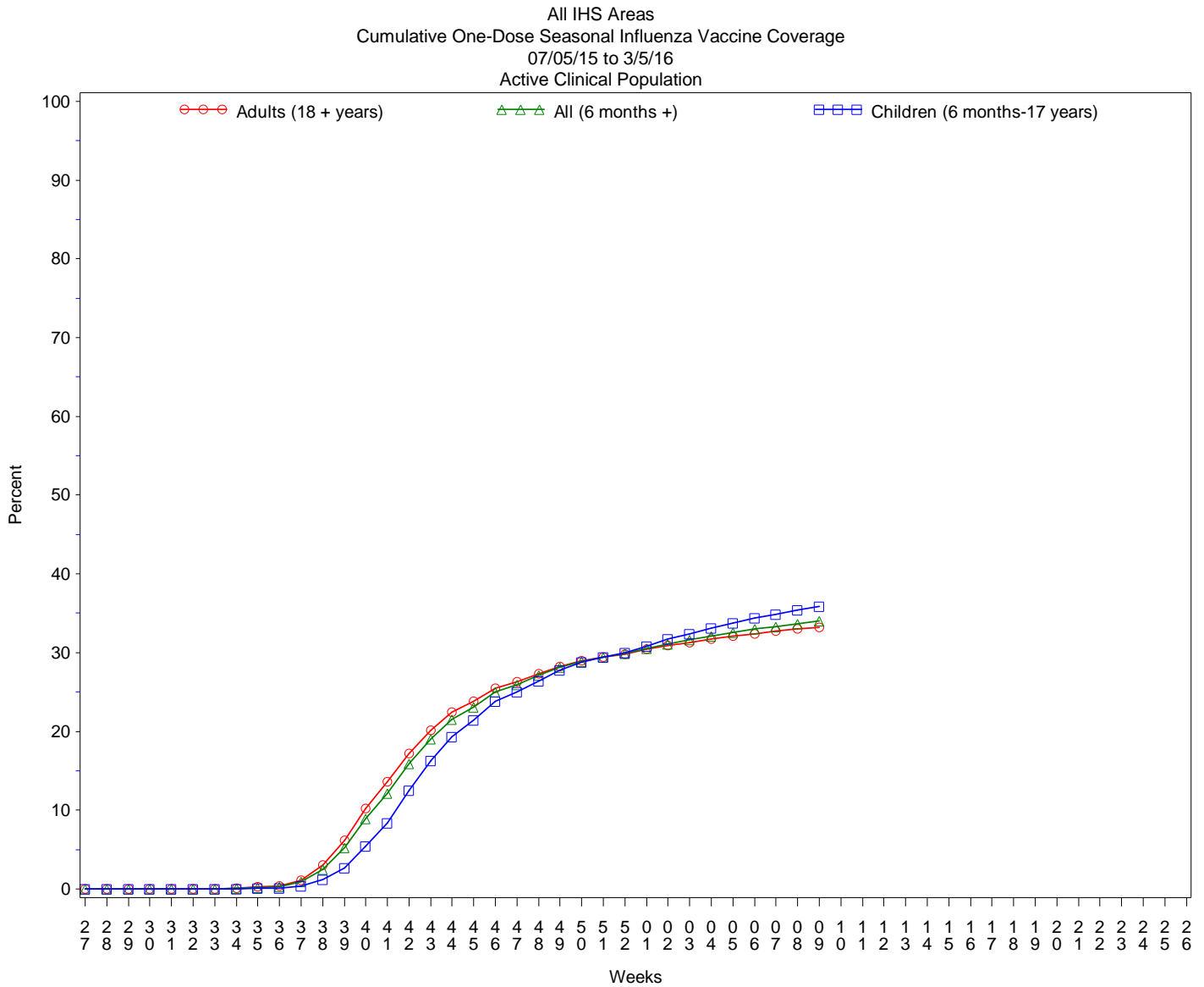
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 8	% in Week 9
NATIONAL	2.4	2.6
ALASKA	1.0	1.1
ALBUQUERQUE	2.7	2.8
BEMIDJI	0.8	2.0
BILLINGS	1.8	1.7
CALIFORNIA	1.6	1.3
GREAT PLAINS	2.7	3.9
NASHVILLE	1.3	1.6
NAVAJO	3.4	3.2
OKLAHOMA	1.0	1.2
PHOENIX	3.9	3.6
PORTLAND	1.8	2.1
TUCSON	4.5	3.9

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

## IHS Influenza Vaccination Surveillance

- As of 3/05/2016, sites reporting to the IAS have administered 375,398 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	% Seasonal Flu	Seasonal Flu Vaccine	% Seasonal Flu	Total #Doses
0 - 5 months	4,911	103	2.1	33	0.7	137
6 - 23 months	24,243	14,730	60.8	4,444	18.3	19,233
2 - 4 years	59,396	19,387	32.6	642	1.1	20,145
5 - 17 years	222,758	75,882	34.1	594	0.3	76,943
18 - 49 years	463,646	123,377	26.6	901	0.2	125,297
50 - 64 years	193,007	79,183	41.0	626	0.3	80,458
65 + years	109,981	52,238	47.5	593	0.5	53,322
Children (6 months-17 years)	306,397	109,999	35.9	5,680	1.9	116,321
Adults (18 + years)	766,634	254,798	33.2	2,120	0.3	259,077
All (6 months +)	1,073,031	364,797	34.0	7,800	0.7	375,398

\* 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 158 IIV4	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	23	278	4	335	367	1069	3	990	4932	80	.	4479	473	57	.	4	193	13287
ALB	61	232	23	1509	5652	15740	1	2372	1514	1	202	1654	1007	10	.	10	383	30371
BEM	184	100	7	353	436	6760	88	1051	1732	2	3	909	318	2	.	66	117	12128
BIL	7	268	4	1130	8742	4296	1	2029	4170	.	.	718	502	2	.	15	136	22020
CAO	127	335	9	1395	2498	6021	9	1926	5791	.	1	4851	700	67	.	16	316	24062
GPA	231	918	63	535	5601	16936	1	2201	4522	2	6	4831	1626	6	.	30	105	37614
NSA	2	149	.	245	1461	6852	158	510	3128	1	10	314	88	302	.	8	173	13401
NAV	192	426	10	1048	374	71689	3	1164	10912	1	2	4407	2184	252	.	73	627	93364
OKC	1043	2615	138	2215	1679	33379	41	1950	5495	4	19	2911	1164	457	33	40	270	53453
PHX	23	588	9	2097	11451	20289	16	2473	10076	.	6	790	2775	26	2	42	427	51090
POR	33	736	27	1005	2146	12220	5	2337	3827	27	13	3255	449	539	.	96	166	26881
TUC	.	132	1	41	5934	365	2	319	1346	.	.	57	674	1	.	27	84	8983
	<b>1926</b>	<b>6777</b>	<b>295</b>	<b>11908</b>	<b>46341</b>	<b>195616</b>	<b>328</b>	<b>19322</b>	<b>57445</b>	<b>118</b>	<b>262</b>	<b>29176</b>	<b>11960</b>	<b>1721</b>	<b>35</b>	<b>427</b>	<b>2997</b>	<b>386654</b>

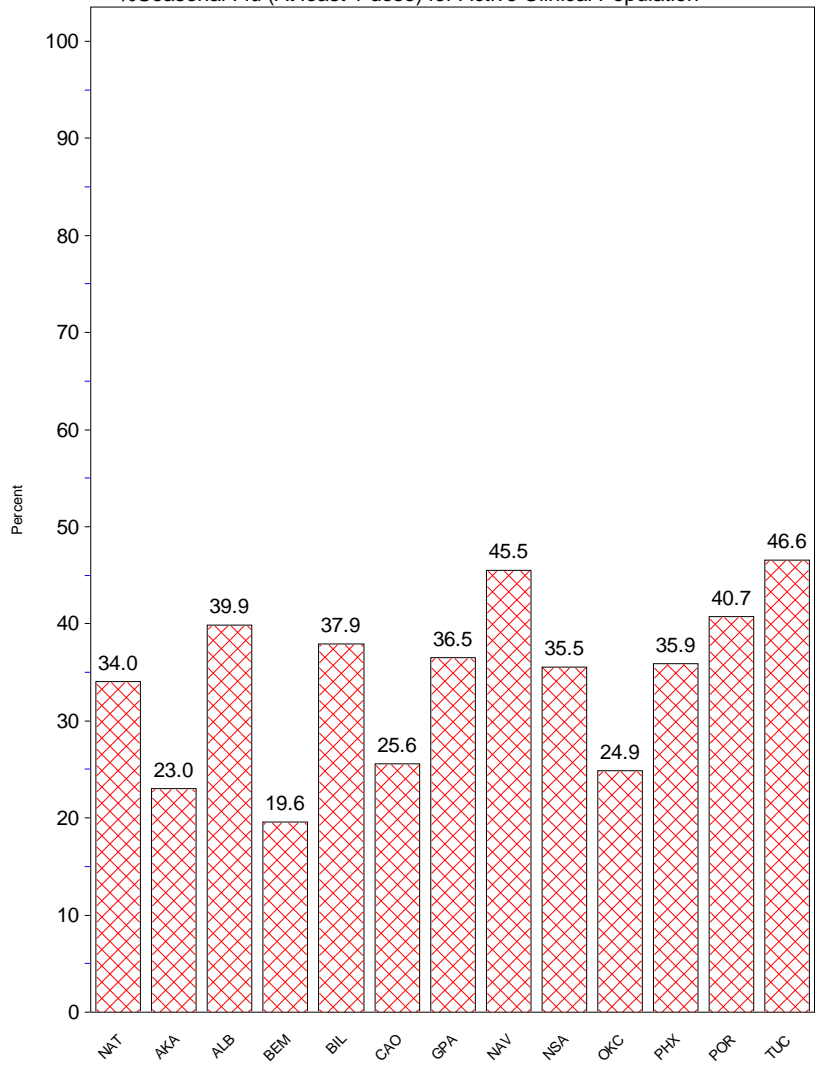
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

\*\* 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 03/05/16  
%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	320
ALASKA	12	75
ALBUQUERQUE	13	22
BEMIDJI	5	11
BILLINGS	12	17
CALIFORNIA	21	36
GREAT PLAINS	18	32
NASHVILLE	18	23
NAVAJO	8	22
OKLAHOMA	17	21
PHOENIX	18	31
PORTLAND	23	26
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.