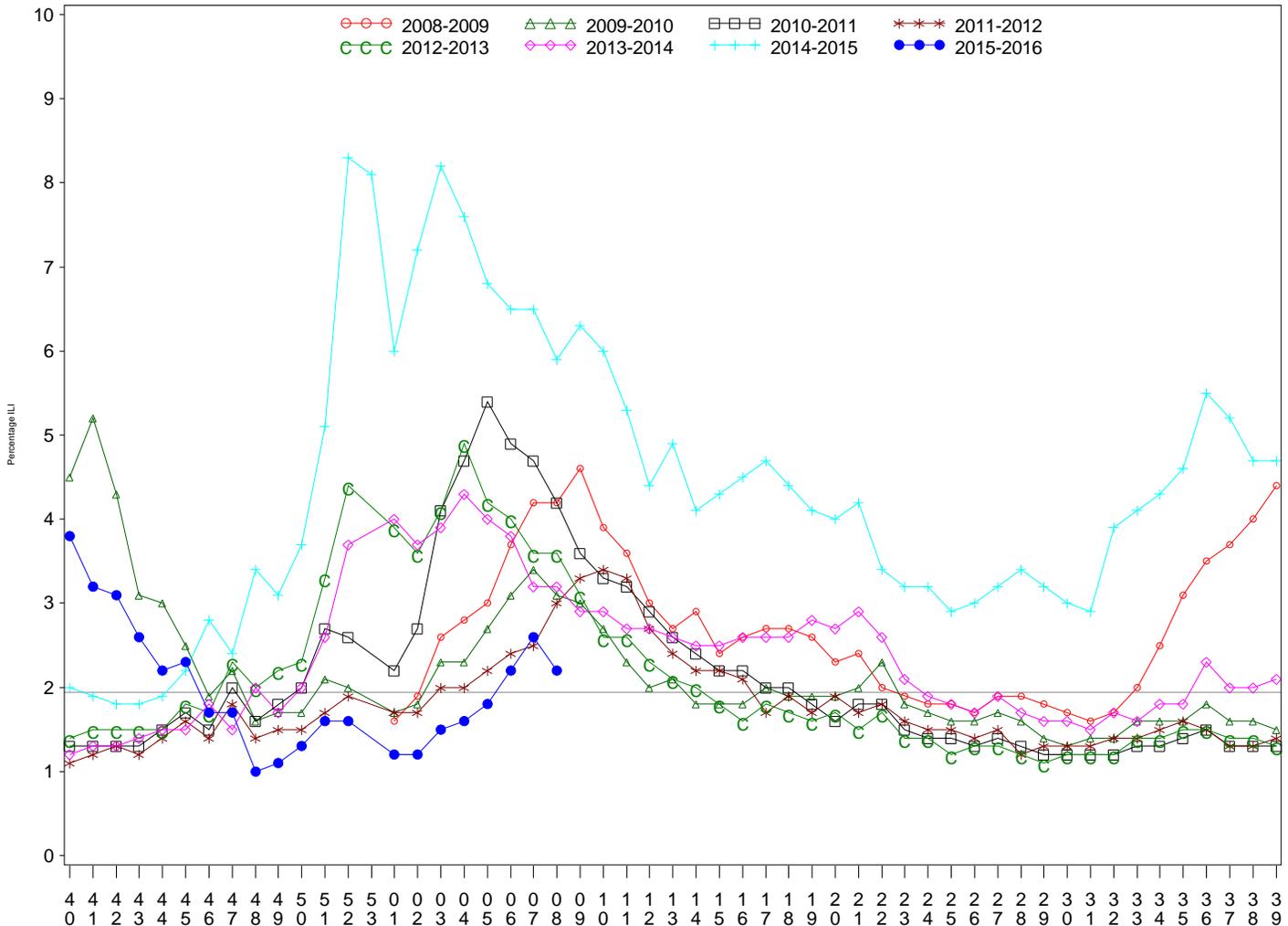




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 8: 2/21/2016 – 2/27/2016)**

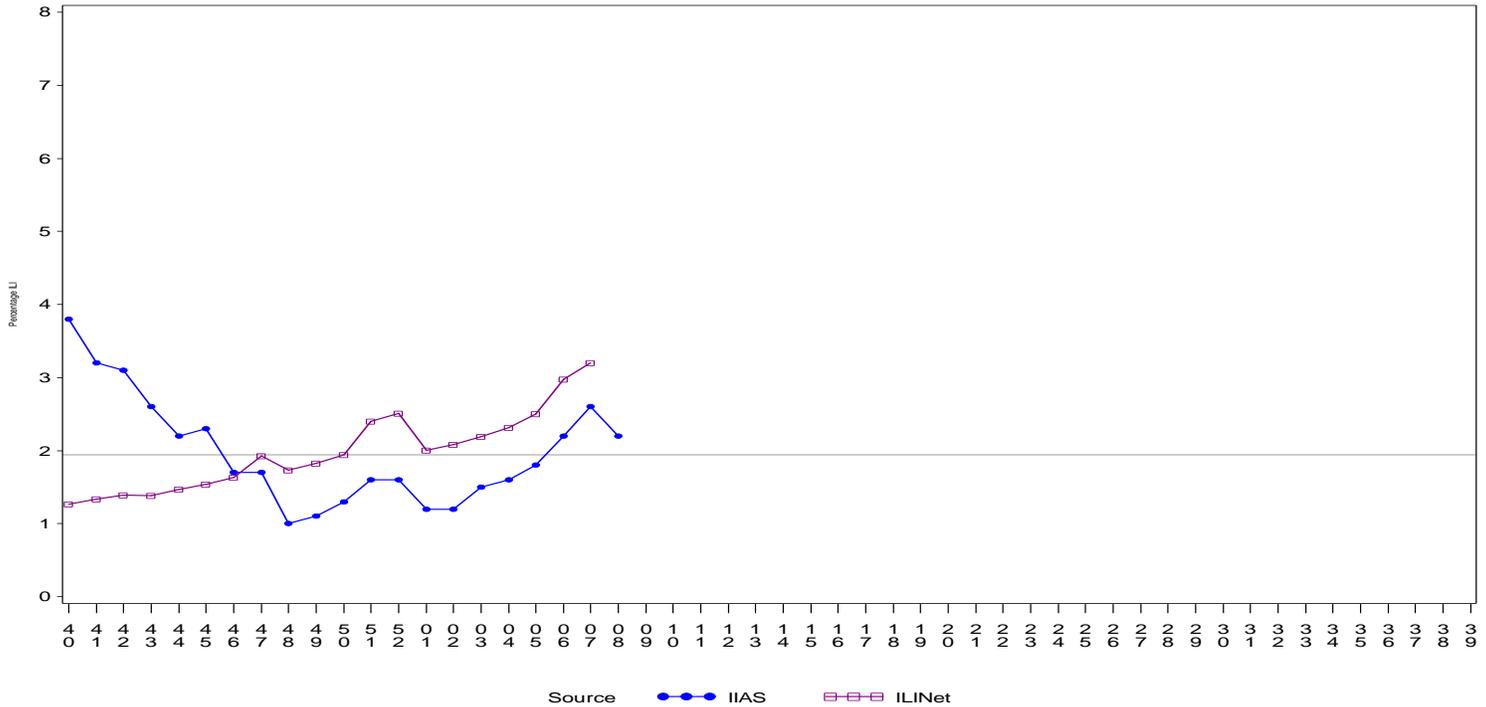
- Influenza-like-illness (ILI) activity in IHS is above the national baseline for the third consecutive week, with elevated ILI activity in the Great Plains Area and in IHS Areas in the Southwest.
- To date IHS has administered over 370,000 doses of influenza vaccine.
- Overall, 34% of the IHS Active 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 02/27/16



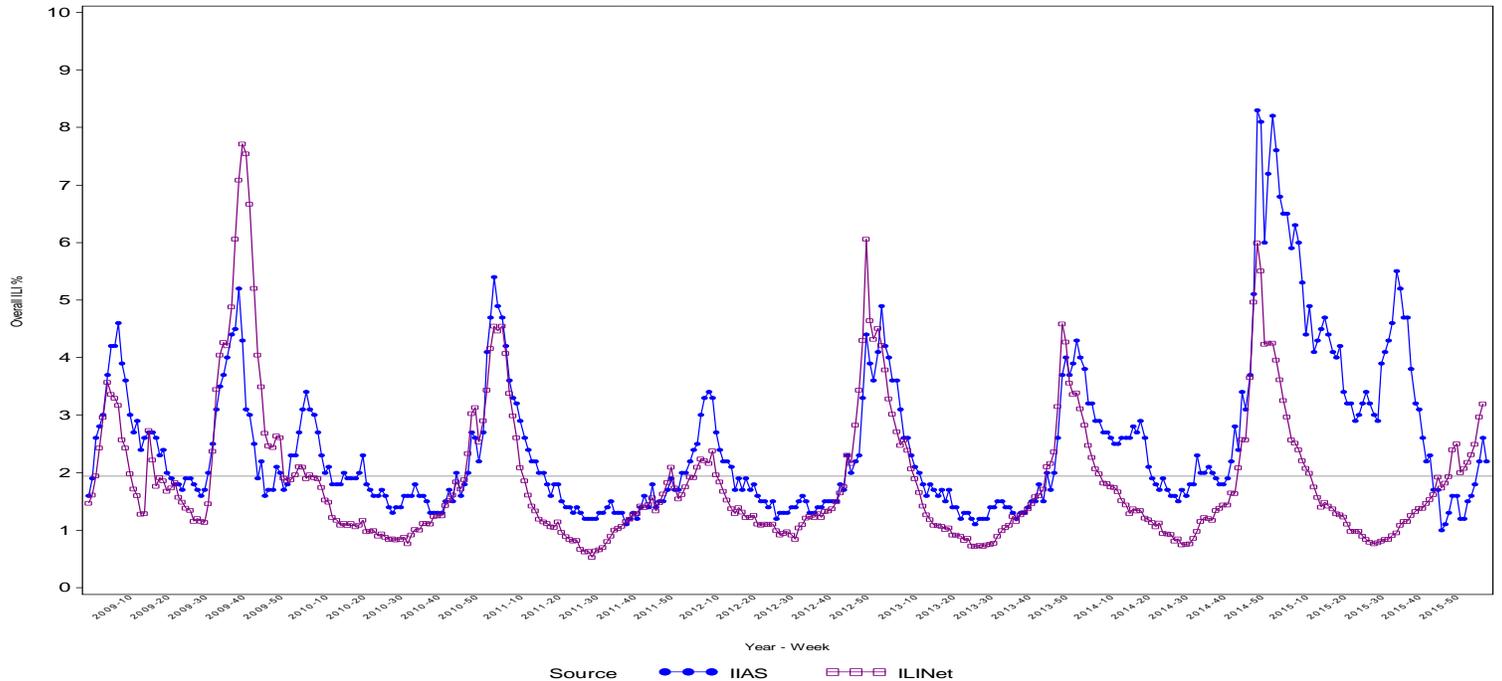
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.  
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.  
 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 2/27/16



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.

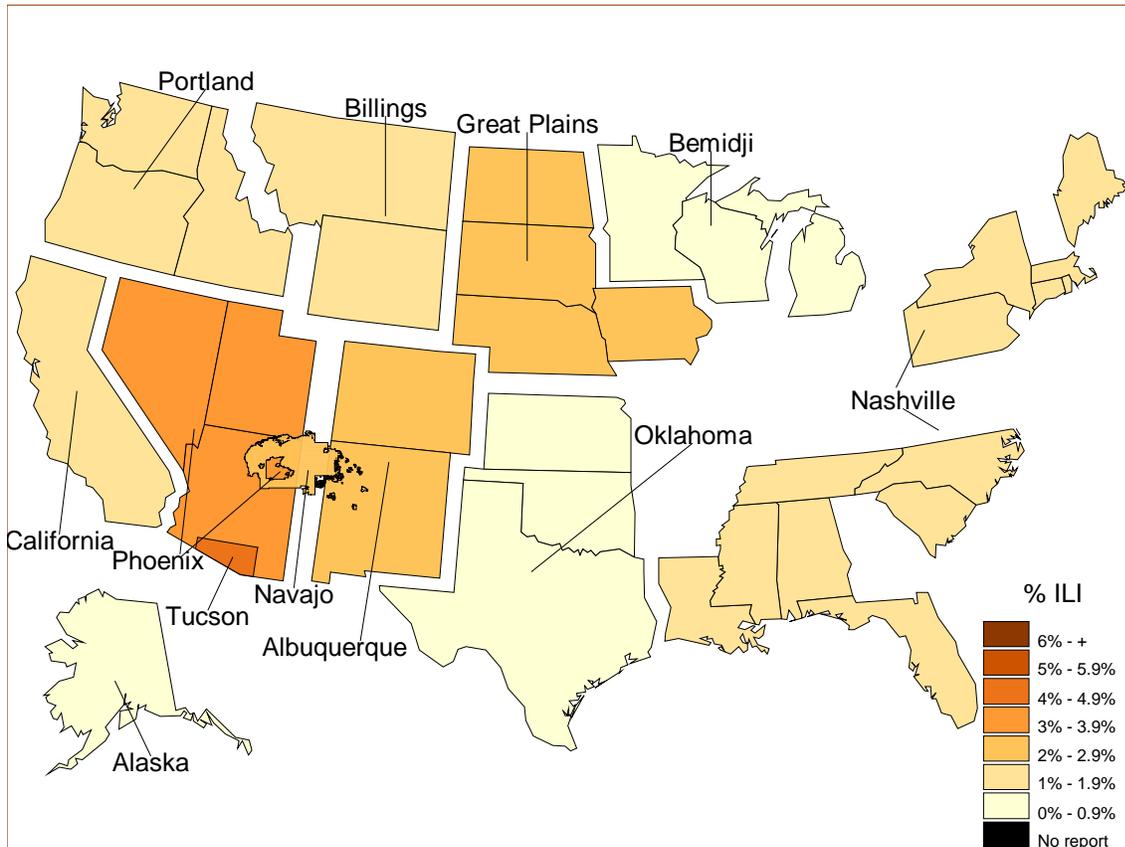
IIAS versus ILINet  
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous  
 Percentage of Visits for ILI per week  
 01/04/09 to 2/27/16



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: 8



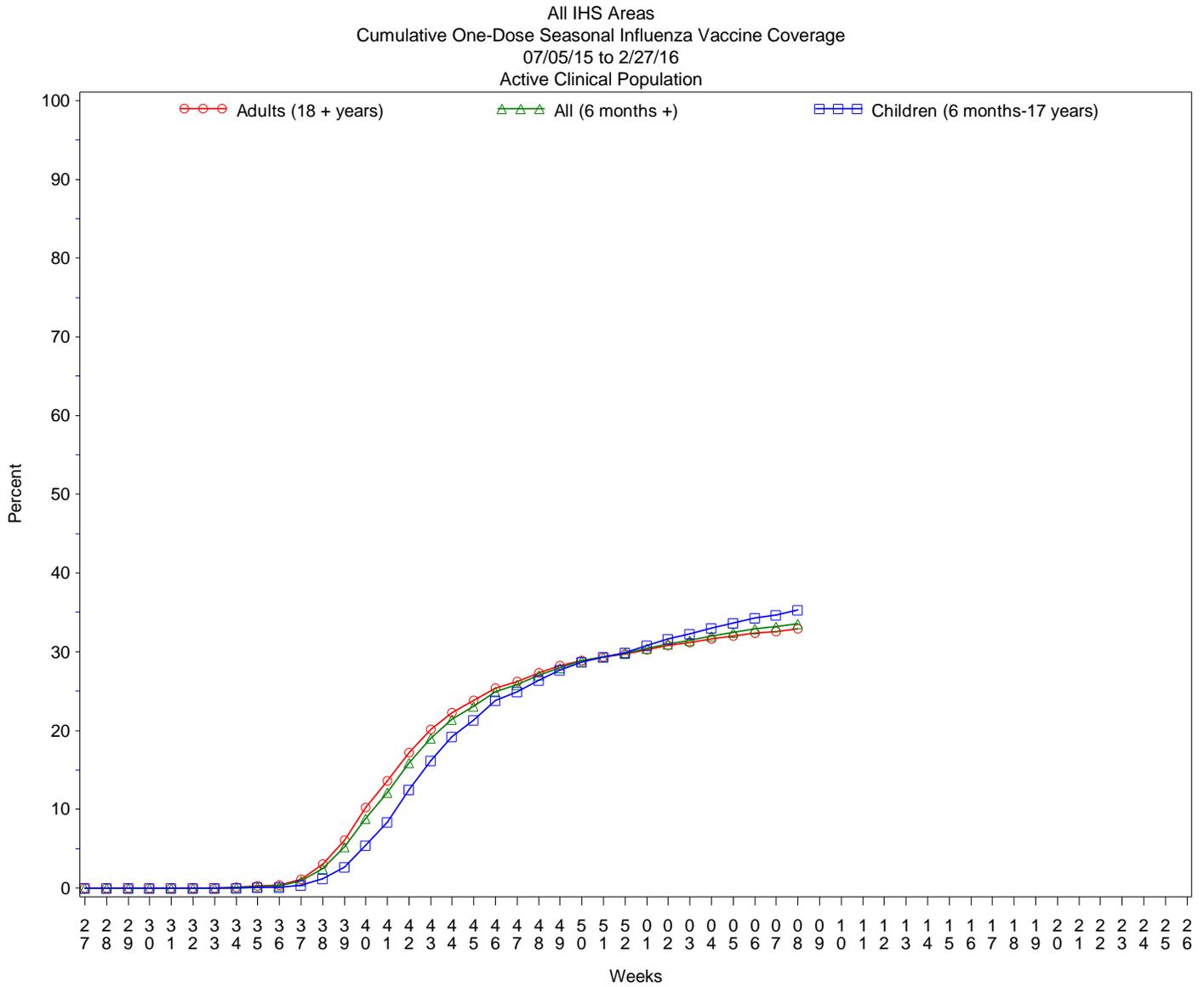
### % Visits for ILI Compared to Previous Week

IHS Areas	% in Week 7	% in Week 8
NATIONAL	2.6	2.2
ALASKA	0.7	0.8
ALBUQUERQUE	2.6	2.6
BEMIDJI	0.8	0.8
BILLINGS	1.6	1.7
CALIFORNIA	1.5	1.4
GREAT PLAINS	2.8	2.6
NASHVILLE	2.1	1.2
NAVAJO	3.8	2.9
OKLAHOMA	1.3	0.9
PHOENIX	4.0	3.8
PORTLAND	1.7	1.5
TUCSON	3.7	4.4

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

### IHS Influenza Vaccination Surveillance

- As of 2/27/2016, sites reporting to the IIAS have administered 370,121 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	4,901	97	2.0	33	0.7	131
6 - 23 months	24,201	14,342	59.3	4,153	17.2	18,553
2 - 4 years	59,560	19,016	31.9	581	1.0	19,713
5 - 17 years	222,852	74,733	33.5	569	0.3	75,767
18 - 49 years	463,893	121,691	26.2	878	0.2	123,578
50 - 64 years	192,851	78,377	40.6	613	0.3	79,633
65 + years	109,532	51,813	47.3	576	0.5	52,877
Children (6 months-17 years)	306,613	108,091	35.3	5,303	1.7	114,033
Adults (18 + years)	766,276	251,881	32.9	2,067	0.3	256,088
All (6 months +)	1,072,889	359,972	33.6	7,370	0.7	370,121

\* 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-ccIIV3	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	22	268	4	329	363	1059	3	980	4833	80	.	4405	451	42	.	4	152	12995
ALB	54	224	22	1503	5558	15493	1	2338	1478	1	201	1609	970	10	.	10	379	29851
BEM	184	98	6	351	431	6706	88	1036	1705	2	3	908	308	2	.	66	117	12011
BIL	7	249	4	1125	8654	4255	1	2003	4092	.	.	712	497	1	.	15	137	21752
CAO	125	329	9	1391	2482	5930	9	1895	5707	.	1	4807	681	65	.	16	313	23760
GPA	229	913	63	533	5555	16699	1	2172	4427	2	6	4739	1576	6	.	30	95	37046
NSA	2	147	.	243	1456	6764	158	483	3109	1	10	312	88	302	.	8	167	13250
NAV	186	409	7	1038	367	70915	2	1114	10645	1	2	4349	2123	251	.	73	623	92105
OKC	1038	2527	138	2206	1667	33088	41	1927	5424	4	19	2894	1122	452	33	40	268	52888
PHX	22	569	9	2078	11283	20059	16	2444	9839	.	6	788	2665	26	2	42	418	50266
POR	32	686	27	998	2117	12077	4	2300	3782	27	13	3218	430	538	.	95	159	26503
TUC	.	130	1	41	5834	365	2	313	1315	.	.	53	644	1	.	27	81	8807
	<b>1901</b>	<b>6549</b>	<b>290</b>	<b>11836</b>	<b>45767</b>	<b>193410</b>	<b>326</b>	<b>19005</b>	<b>56356</b>	<b>118</b>	<b>261</b>	<b>28794</b>	<b>11555</b>	<b>1696</b>	<b>35</b>	<b>426</b>	<b>2909</b>	<b>381234</b>

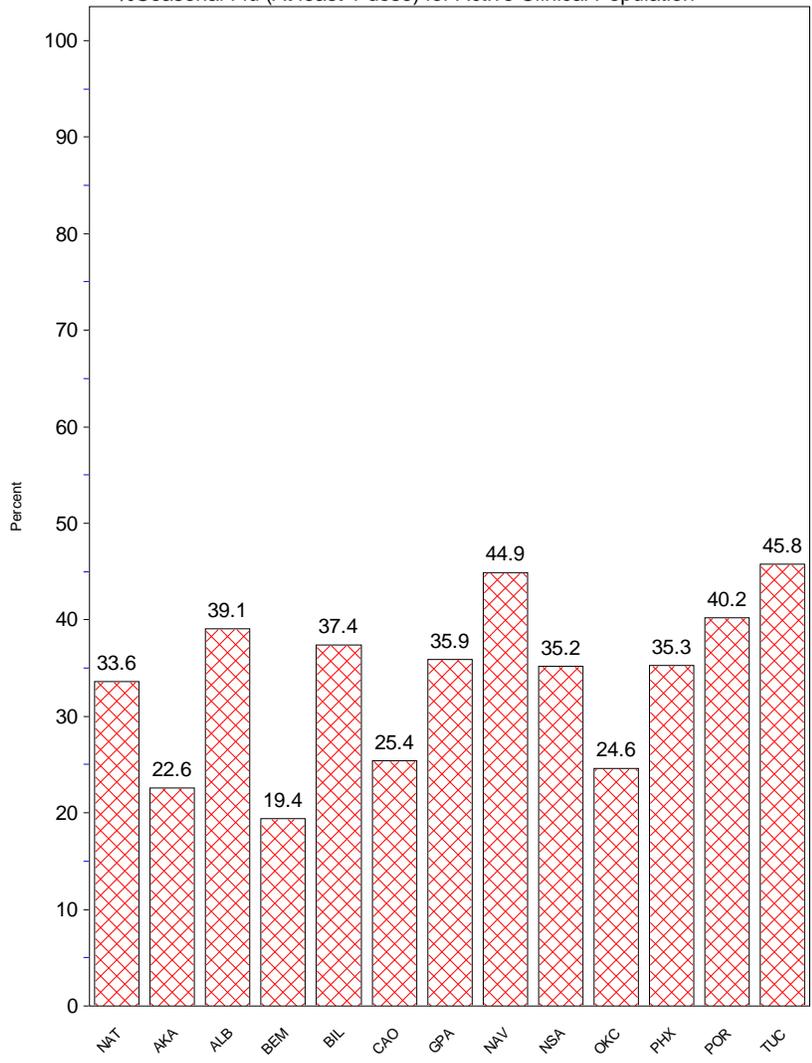
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

\*\* 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 2/27/16  
%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	325
ALASKA	12	74
ALBUQUERQUE	13	22
BEMIDJI	5	11
BILLINGS	12	19
CALIFORNIA	20	36
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.