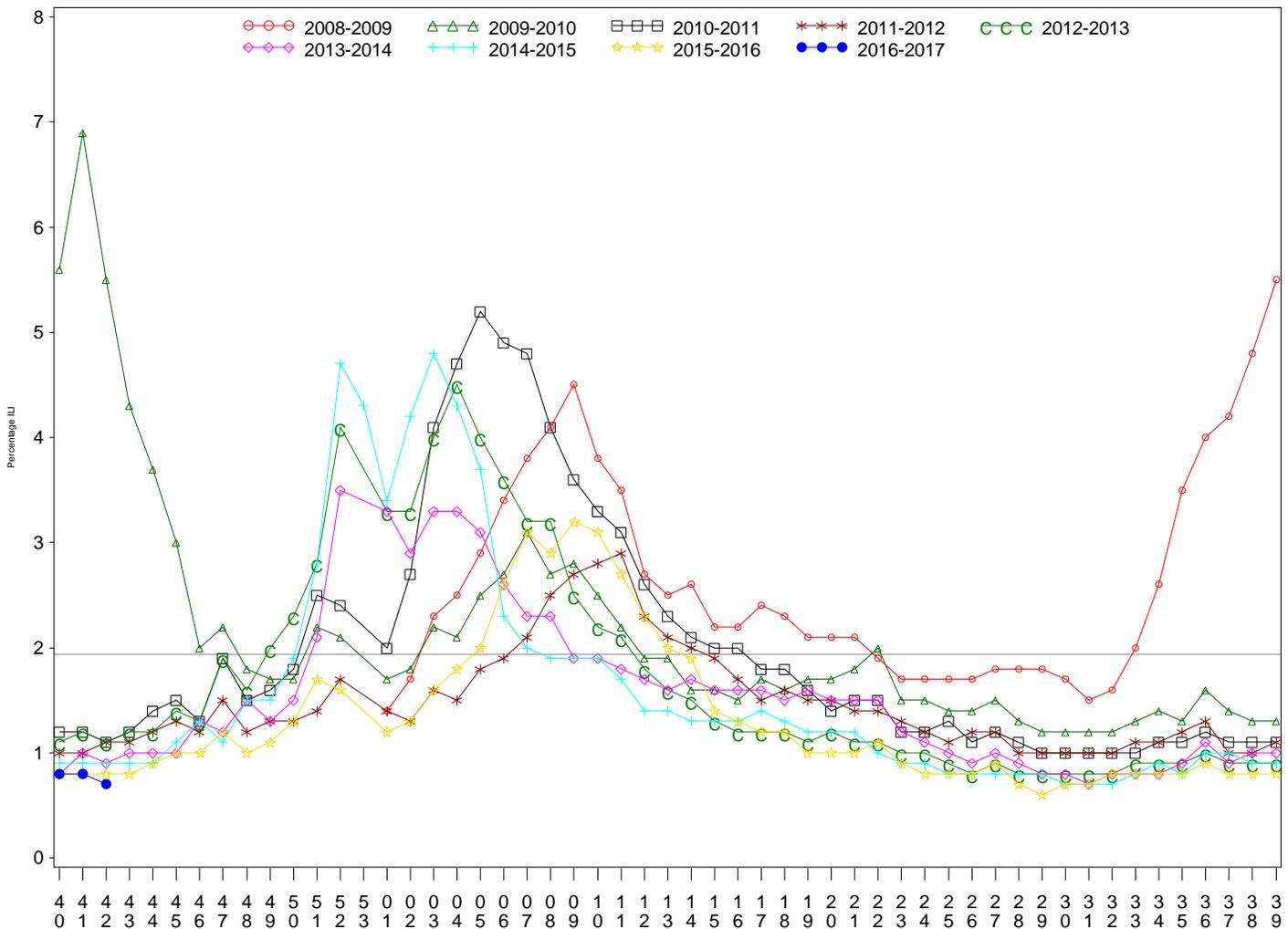




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 42: 10/16/2016-10/22/2016)**

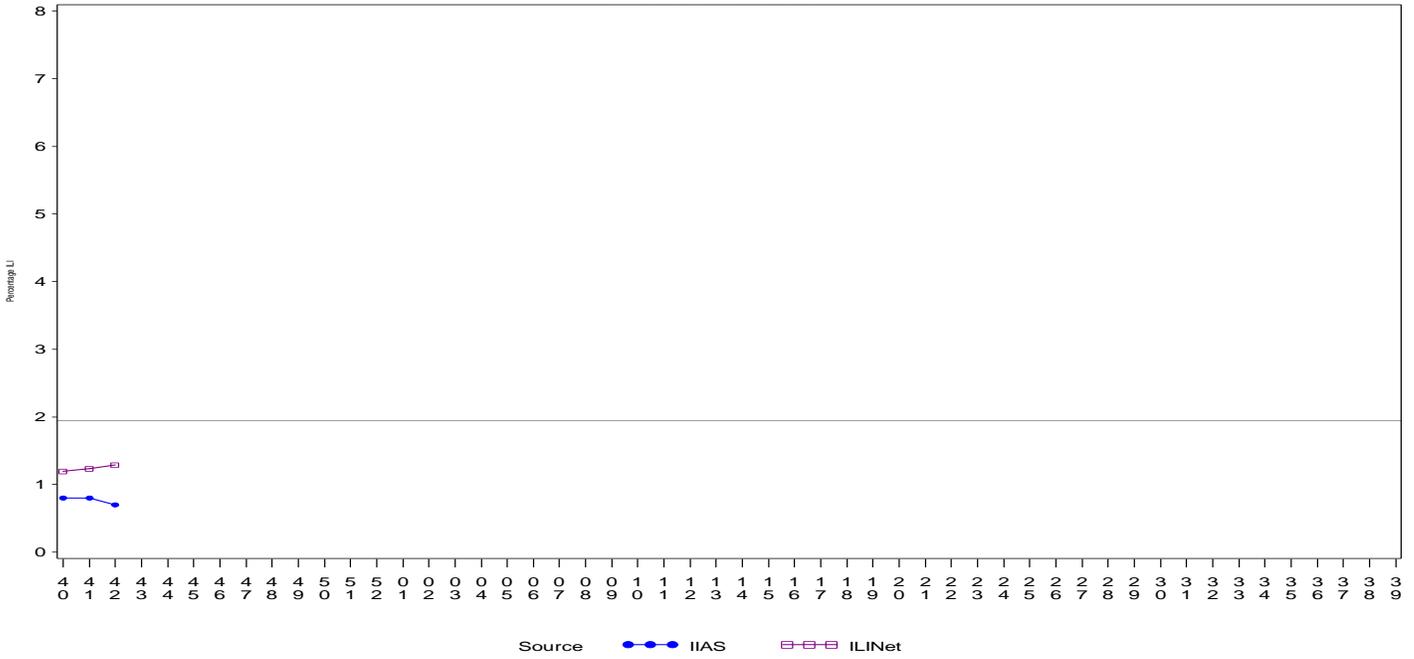
- Influenza-like-illness activity is low across all IHS Regions
- To date IHS has administered over 136,000 doses of influenza vaccine.
- Overall, 15% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas  
 Influenza-Like Illness (ILI) for All Surveillance Years  
 Percentage of Visits for ILI per week  
 01/04/09 to 10/22/2016



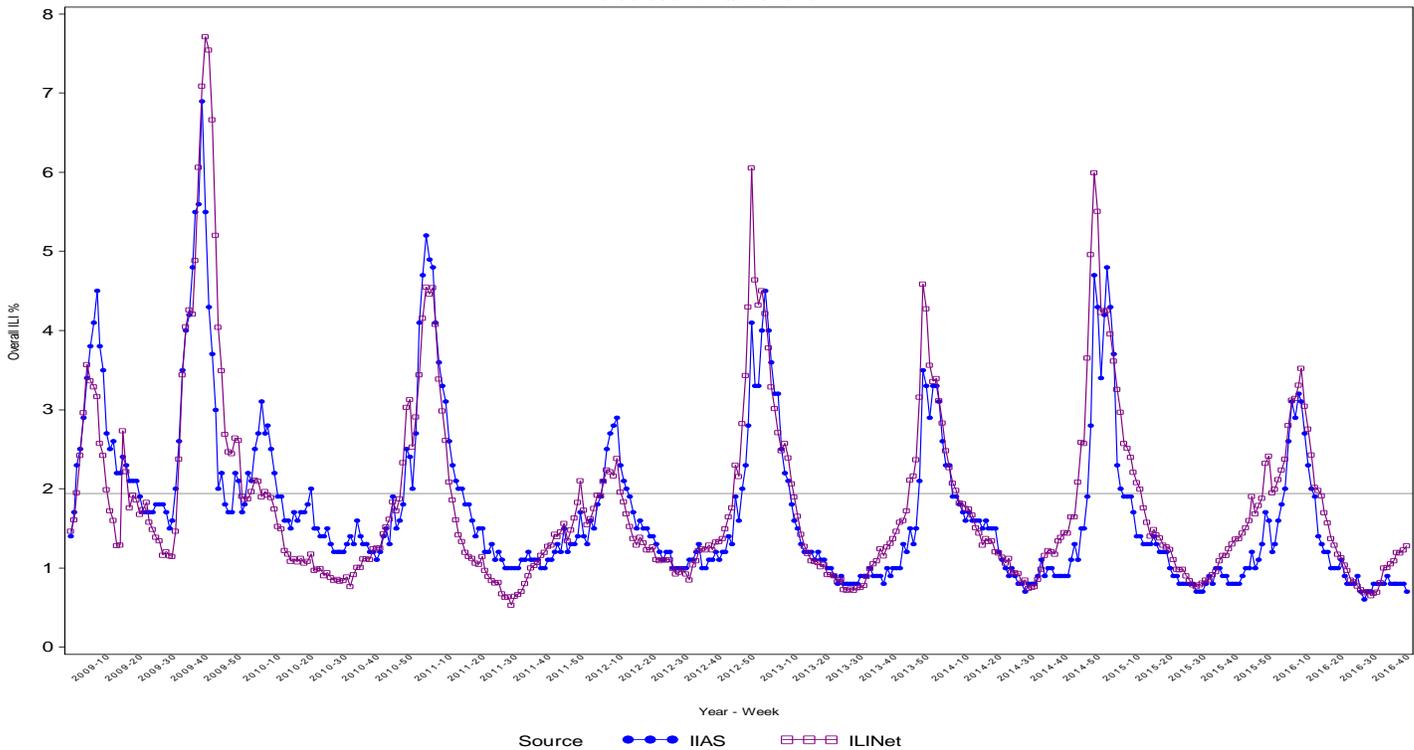
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.  
 The horizontal line represents the 2015-2016 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Proportion of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2016 - 2017  
 IIAS vs. ILINet  
 10/02/16 to 10/22/2016



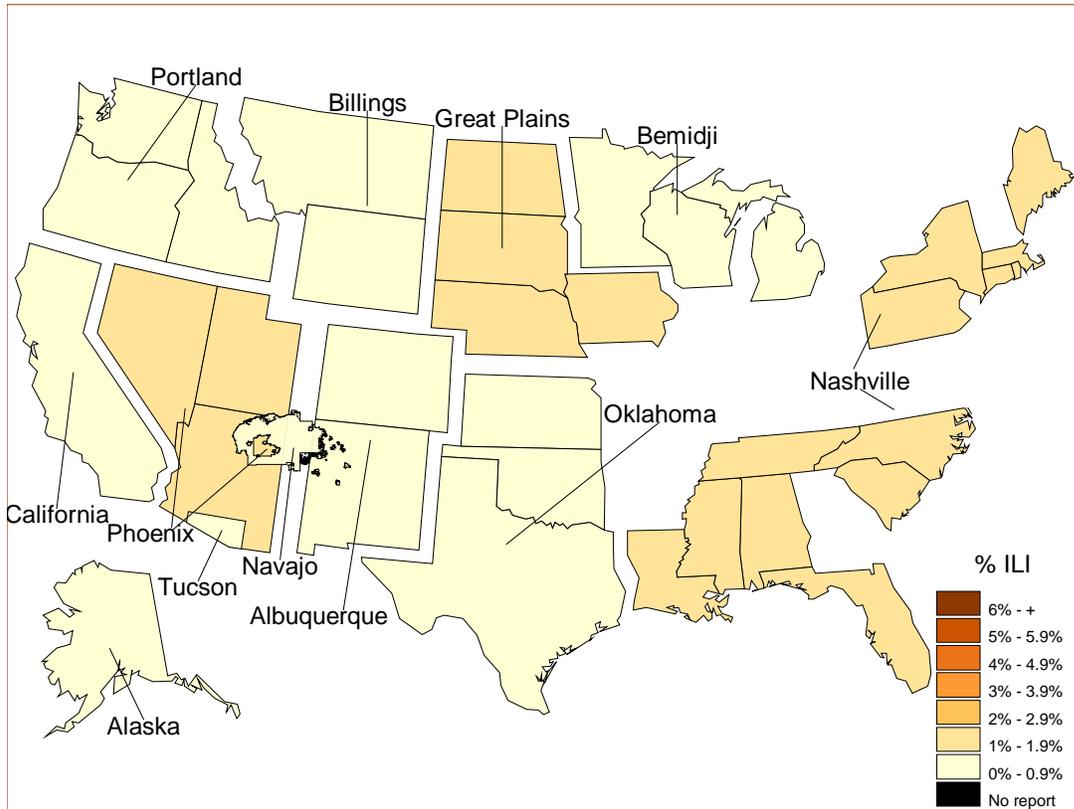
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).  
 The horizontal line represents the 2015-2016 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.  
 Sources: ILINet - CDC Sentinal Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

IIAS versus ILINet  
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous  
 Percentage of Visits for ILI per week  
 01/04/09 to 10/22/2016



Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).  
 Sources: ILINet - CDC Sentinal Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by IHS Area  
For Week: 42



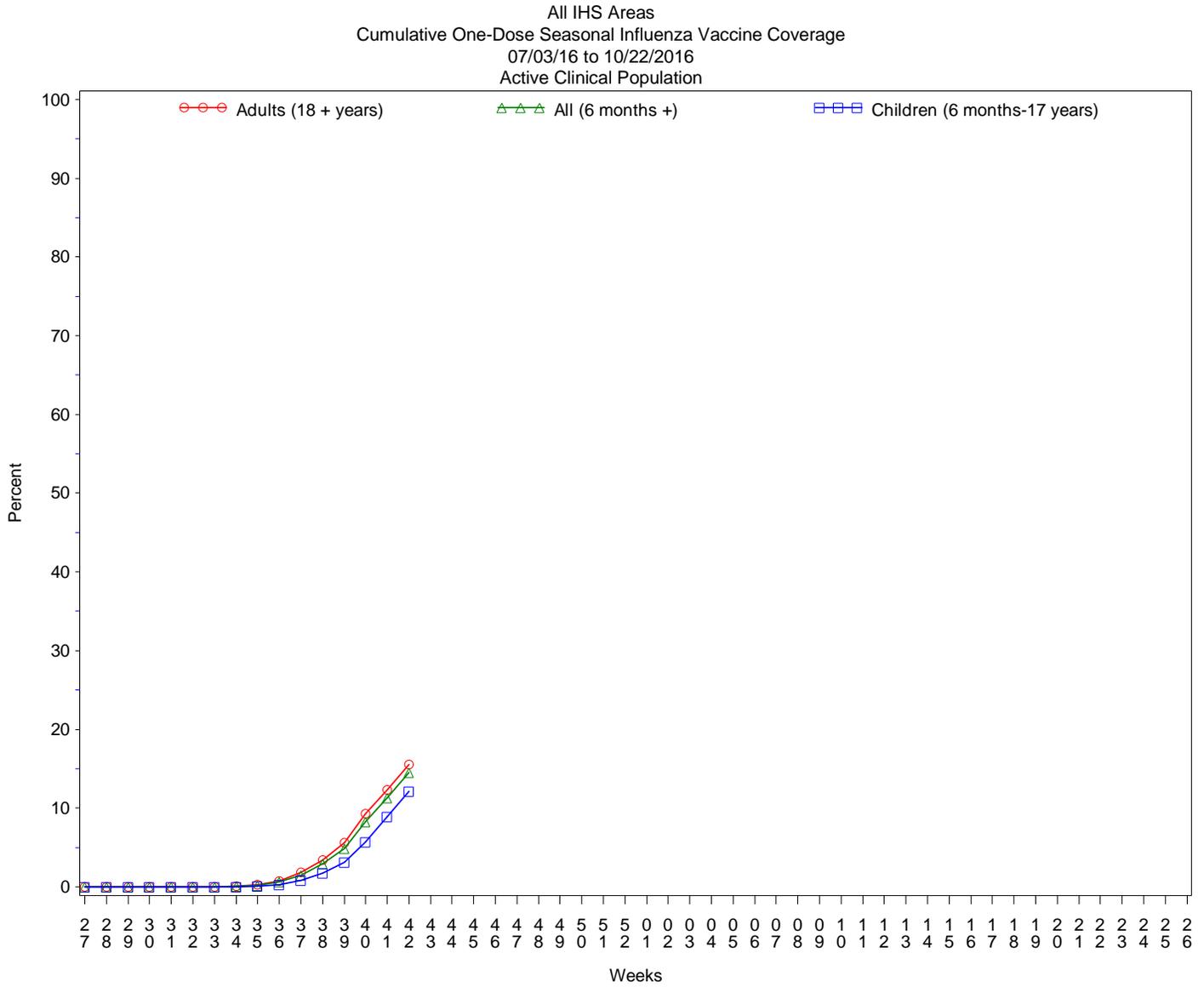
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 41	% in Week 42
NATIONAL	0.8	0.7
ALASKA	0.5	0.6
ALBUQUERQUE	0.7	0.5
BEMIDJI	0.4	0.5
BILLINGS	0.8	0.6
CALIFORNIA	0.4	0.4
GREAT PLAINS	1.0	1.0
NASHVILLE	1.5	1.3
NAVAJO	1.0	0.9
OKLAHOMA	0.6	0.5
PHOENIX	1.2	1.0
PORTLAND	0.3	0.5
TUCSON	1.7	0.5

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

## IHS Influenza Vaccination Surveillance

- As of 10/22/2016, sites reporting to the IIAS have administered 136,394 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	4,353	11	0.3	0	0.0	12
6 - 23 months	21,029	3,653	17.4	51	0.2	3,721
2 - 4 years	52,051	5,343	10.3	15	0.0	5,394
5 - 17 years	195,245	23,385	12.0	51	0.0	23,610
18 - 49 years	399,777	46,123	11.5	118	0.0	46,609
50 - 64 years	167,223	32,707	19.6	97	0.1	33,064
65 + years	95,758	23,686	24.7	92	0.1	23,996
Children (6 months-17 years)	268,325	32,381	12.1	117	0.0	32,725
Adults (18 + years)	662,758	102,516	15.5	307	0.0	103,669
All (6 months +)	931,083	134,897	14.5	424	0.0	136,394

\* 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	CVX 166	Proc 99.5 2 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	1	36	0	108	2	111	1	0	2242	0	0	897	80	18	0	0	15	3511
ALB	0	42	0	816	187	3987	0	0	1816	0	3	855	163	1	0	0	41	7911
BEM	108	50	0	213	7	921	0	1	2030	3	4	2869	118	27	0	1	80	6432
BIL	5	103	0	590	9	1330	0	0	5333	0	0	1169	352	61	0	0	74	9026
CAO	1	65	0	701	5	1132	1	7	4171	0	1	2435	459	35	0	1	65	9079
GPA	0	105	0	621	43	6587	0	0	6691	12	15	2800	390	4	0	0	107	17375
UNK	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NSA	55	271	0	248	32	3370	141	0	1291	4	6	212	42	179	0	0	70	5921
NAV	4	73	1	698	2	4976	1	0	5488	0	0	17995	844	468	0	0	108	30658
OKC	96	505	0	1325	2	12552	3	0	3789	1	7	955	416	255	0	0	74	19980
PHX	1	158	0	622	9	3526	9	0	8836	0	15	156	637	1	0	0	92	14062
POR	4	111	0	455	667	4716	5	0	2471	18	6	1365	138	610	0	0	226	10792
TUC	0	18	0	12	10	3	0	0	2005	1	0	8	74	0	0	0	12	2143
	<b>275</b>	<b>1538</b>	<b>1</b>	<b>6409</b>	<b>975</b>	<b>43211</b>	<b>161</b>	<b>8</b>	<b>46163</b>	<b>39</b>	<b>57</b>	<b>31716</b>	<b>3713</b>	<b>1659</b>	<b>0</b>	<b>2</b>	<b>964</b>	<b>136891</b>

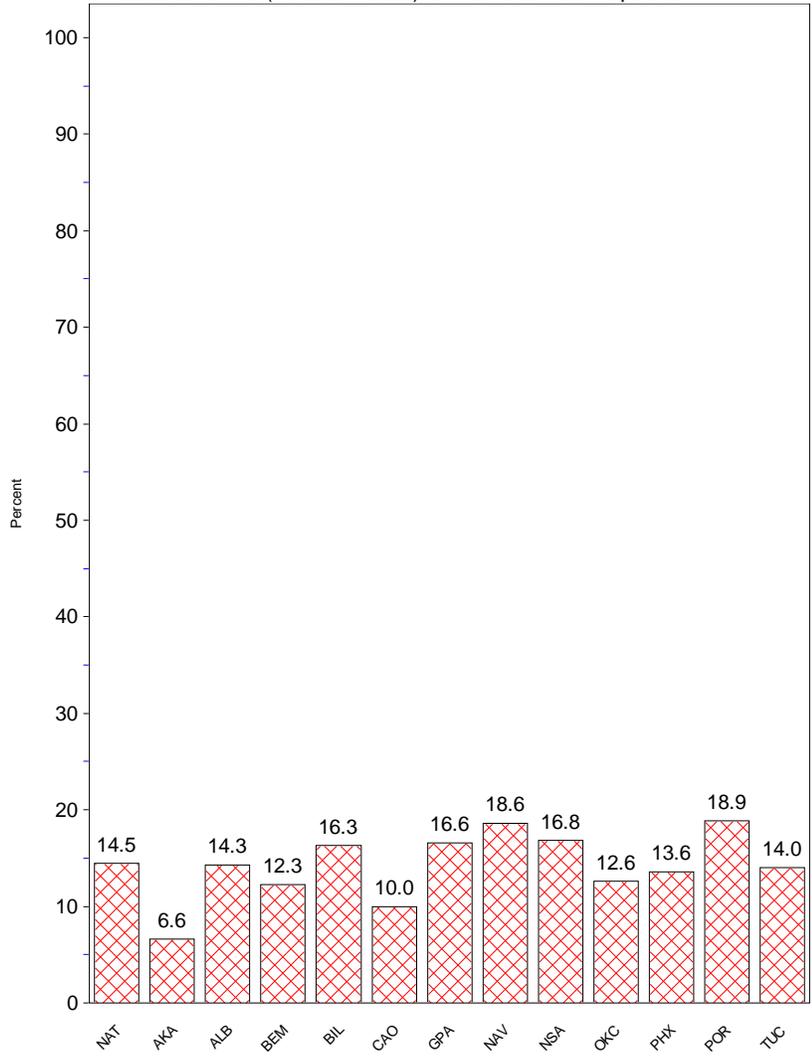
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

\*\* 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+)  
07/03/2016-10/22/2016  
%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	170	328
ALASKA	8	63
ALBUQUERQUE	12	17
BEMIDJI	14	27
BILLINGS	12	20
CALIFORNIA	22	38
GREAT PLAINS	19	37
NASHVILLE	18	22
NAVAJO	7	19
OKLAHOMA	19	29
PHOENIX	15	25
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.