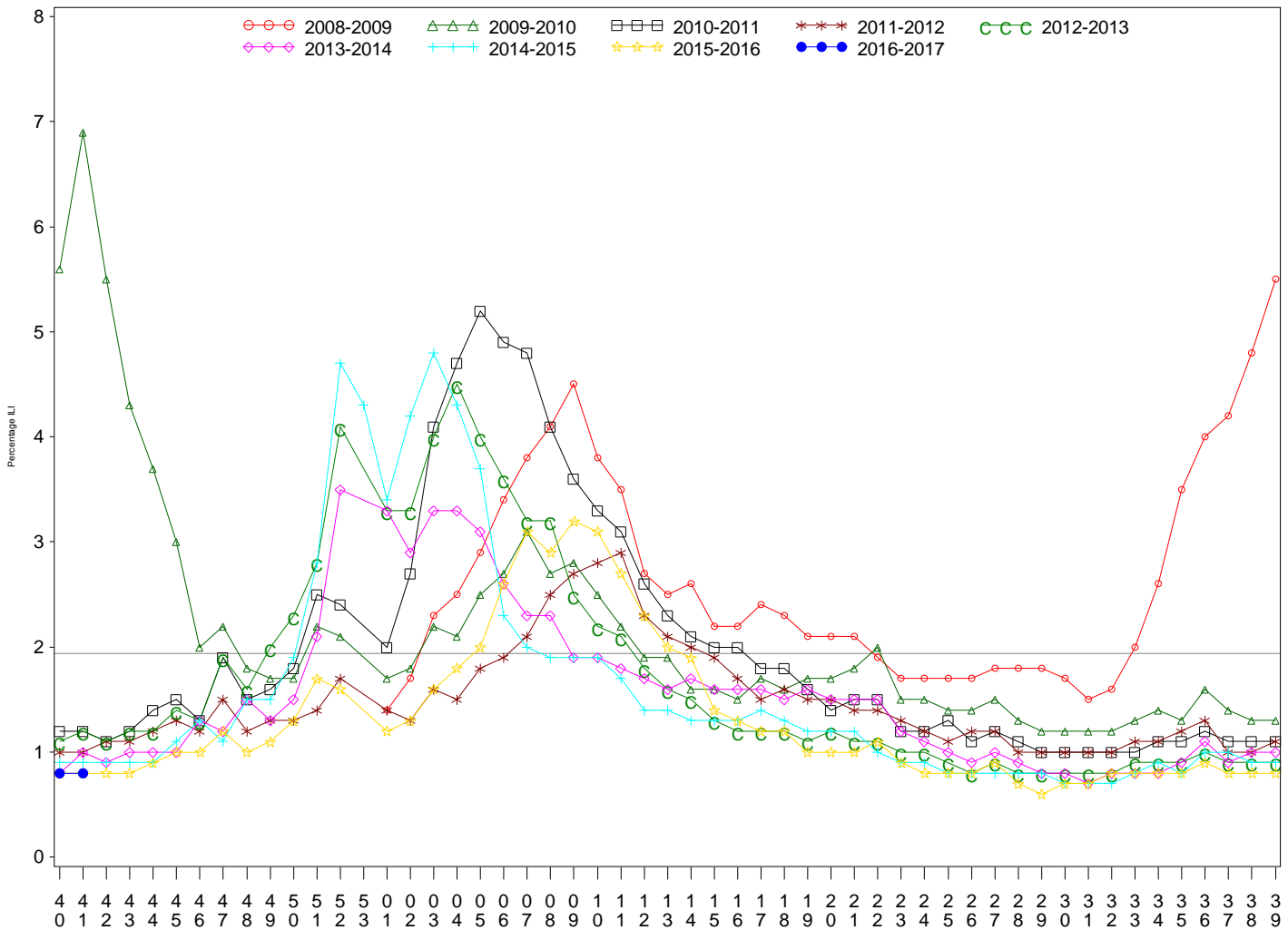




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 41: 10/09/2016 – 10/15/2016)**

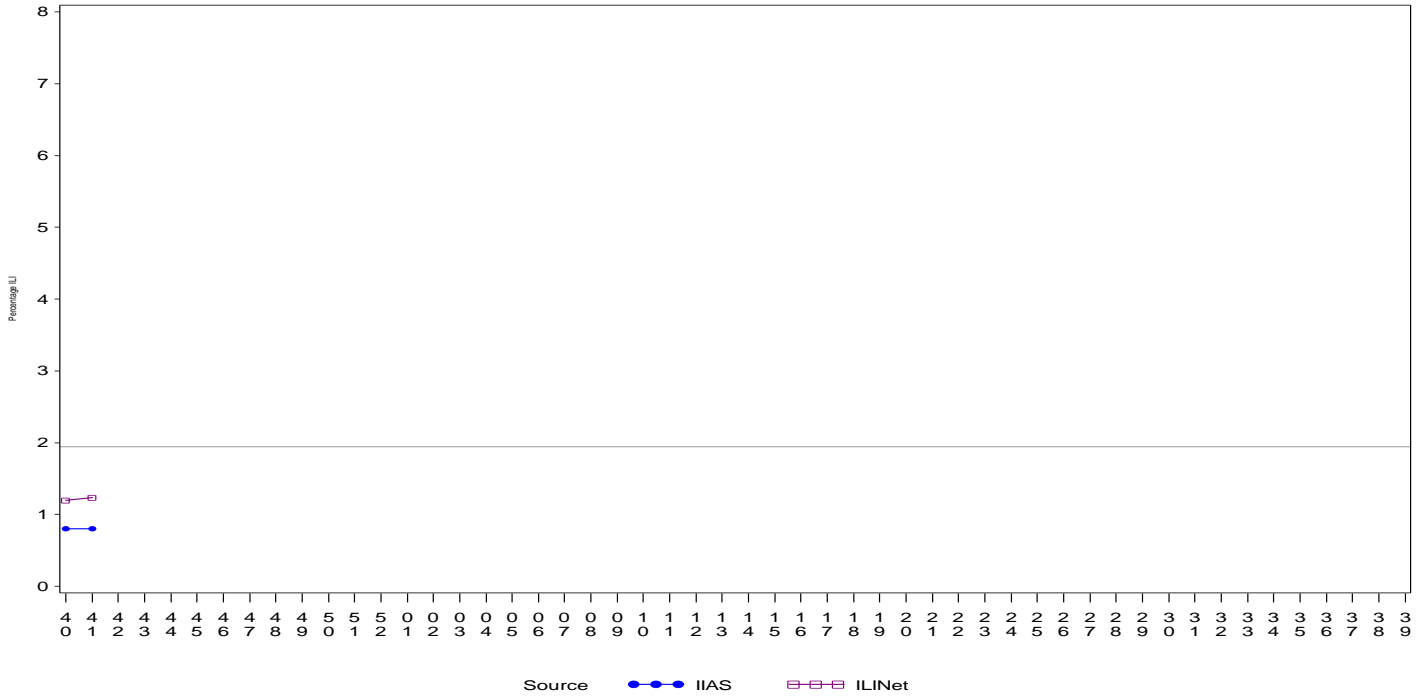
- Influenza-like-illness (ILI) activity in IHS is steady and below the national baseline.
- To date IHS has administered over 106,000 doses of influenza vaccine.
- Overall, 11% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas  
 Influenza-Like Illness (ILI) for All Surveillance Years  
 Percentage of Visits for ILI per week  
 01/04/09 to 10/15/2016



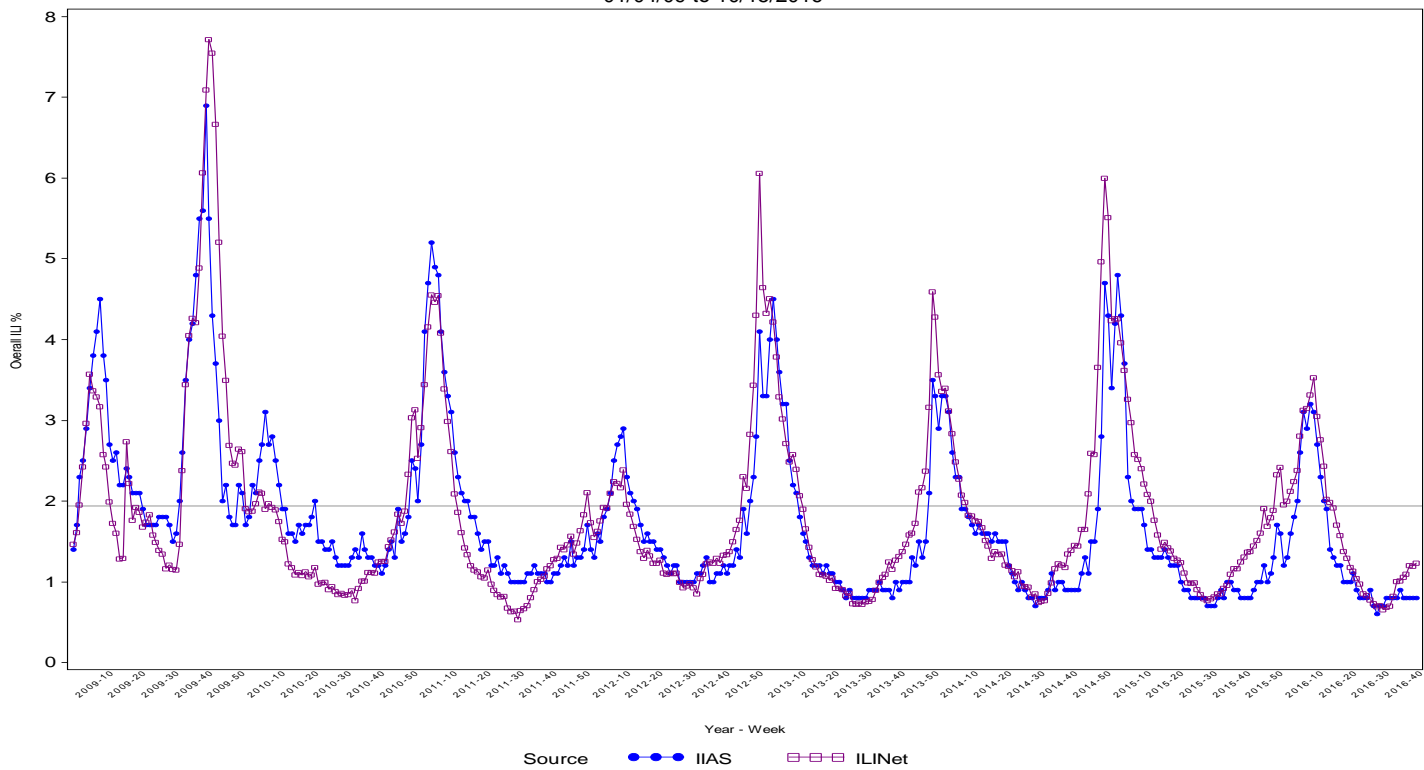
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.  
 The horizontal line represents the 2015-2016 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Proportion of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2016 - 2017  
 IIAS vs. ILINet  
 10/02/16 to 10/15/2016



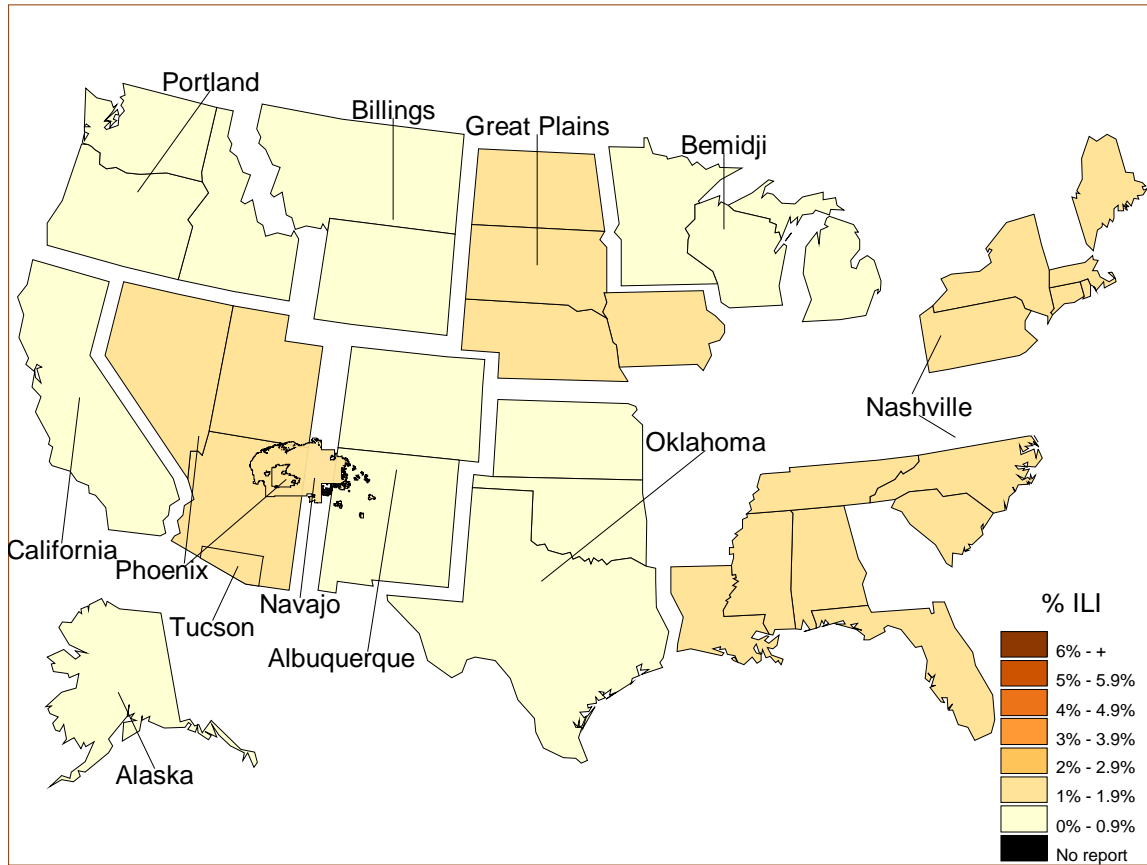
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).  
 The horizontal line represents the 2015-2016 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard 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 10/15/2016



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: 41



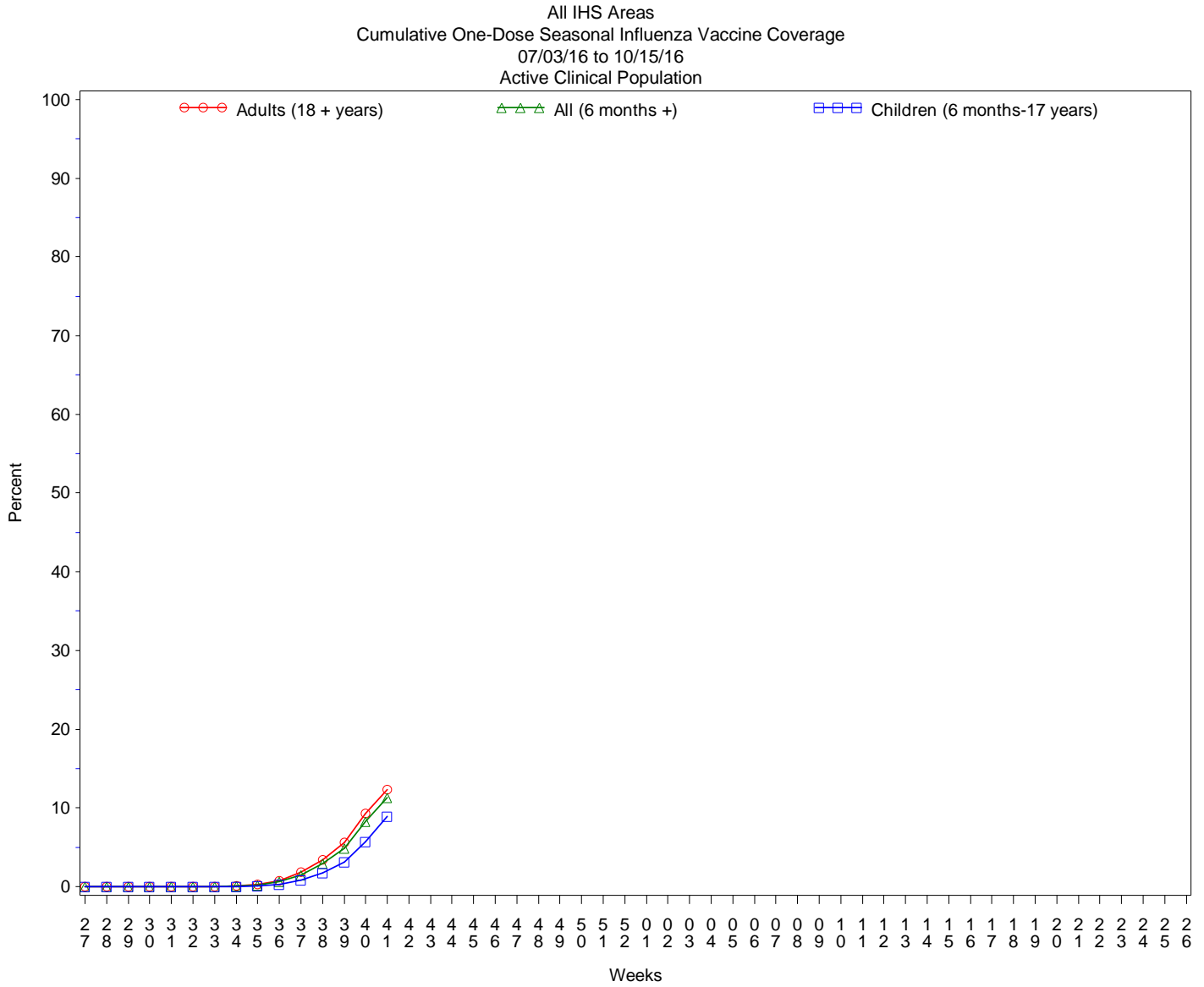
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 40	% in Week 41
NATIONAL	0.8	0.8
ALASKA	1.0	0.5
ALBUQUERQUE	0.4	0.7
BEMIDJI	0.3	0.4
BILLINGS	0.8	0.8
CALIFORNIA	0.2	0.4
GREAT PLAINS	1.1	1.0
NASHVILLE	1.1	1.5
NAVAJO	1.0	1.0
OKLAHOMA	0.4	0.6
PHOENIX	1.1	1.2
PORTLAND	0.4	0.3
TUCSON	1.2	1.7

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

## IHS Influenza Vaccination Surveillance

- As of 10/15/2016, sites reporting to the IIAS have administered 106,210 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	10	0.2	0	0.0	11
6 - 23 months	21,029	2,769	13.2	15	0.1	2,797
2 - 4 years	52,051	3,951	7.6	11	0.0	3,986
5 - 17 years	195,245	17,210	8.8	34	0.0	17,361
18 - 49 years	399,777	36,656	9.2	90	0.0	36,989
50 - 64 years	167,223	25,978	15.5	75	0.0	26,243
65 + years	95,758	18,586	19.4	76	0.1	18,834
Children (6 months-17 years)	268,325	23,930	8.9	60	0.0	24,144
Adults (18 + years)	662,758	81,220	12.3	241	0.0	82,066
All (6 months +)	931,083	105,150	11.3	301	0.0	106,210

\* 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	33	0	48	1	62	1	0	1467	0	0	290	36	18	0	0	11	1968
ALB	0	36	0	673	146	3031	0	0	1357	0	2	692	131	1	0	0	26	6095
BEM	87	42	0	152	7	693	0	1	1648	2	4	2324	96	21	0	1	52	5130
BIL	3	69	0	458	8	1126	0	0	4584	0	0	1033	288	43	0	0	59	7671
CAO	1	58	0	557	5	921	1	7	3489	0	1	2161	340	30	0	1	58	7630
GPA	0	93	0	540	36	5479	0	0	5885	12	15	2266	332	3	0	0	99	14760
UNK	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NSA	35	230	0	202	17	2901	112	0	876	4	4	185	32	158	0	0	60	4816
NAV	4	62	1	451	2	4066	1	0	3683	0	0	12833	626	359	0	0	87	22175
OKC	59	452	0	1043	2	9891	3	0	2692	1	3	615	316	217	0	0	58	15352
PHX	0	133	0	454	9	2571	9	0	6977	0	14	91	463	1	0	0	73	10795
POR	3	106	0	384	543	4031	3	0	2018	13	5	1051	111	405	0	0	163	8836
TUC	0	18	0	11	8	1	0	0	1307	1	0	8	42	0	0	0	7	1403
	<b>193</b>	<b>1333</b>	<b>1</b>	<b>4973</b>	<b>784</b>	<b>34773</b>	<b>130</b>	<b>8</b>	<b>35983</b>	<b>33</b>	<b>48</b>	<b>23549</b>	<b>2813</b>	<b>1256</b>	<b>0</b>	<b>2</b>	<b>753</b>	<b>106632</b>

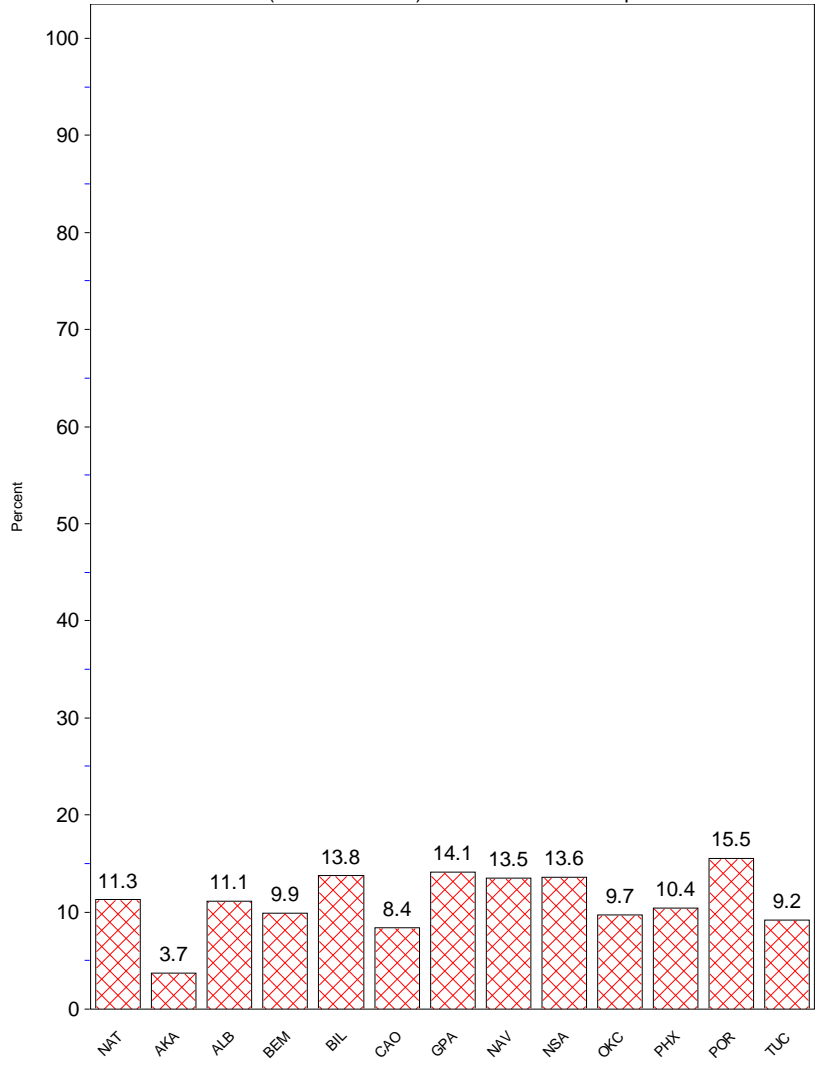
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

\*\* 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+)  
07/03/16 to 10/15/2016  
%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	171	328
ALASKA	8	64
ALBUQUERQUE	12	16
BEMIDJI	14	27
BILLINGS	12	19
CALIFORNIA	23	39
GREAT PLAINS	19	38
NASHVILLE	18	22
NAVAJO	7	19
OKLAHOMA	19	27
PHOENIX	15	26
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.