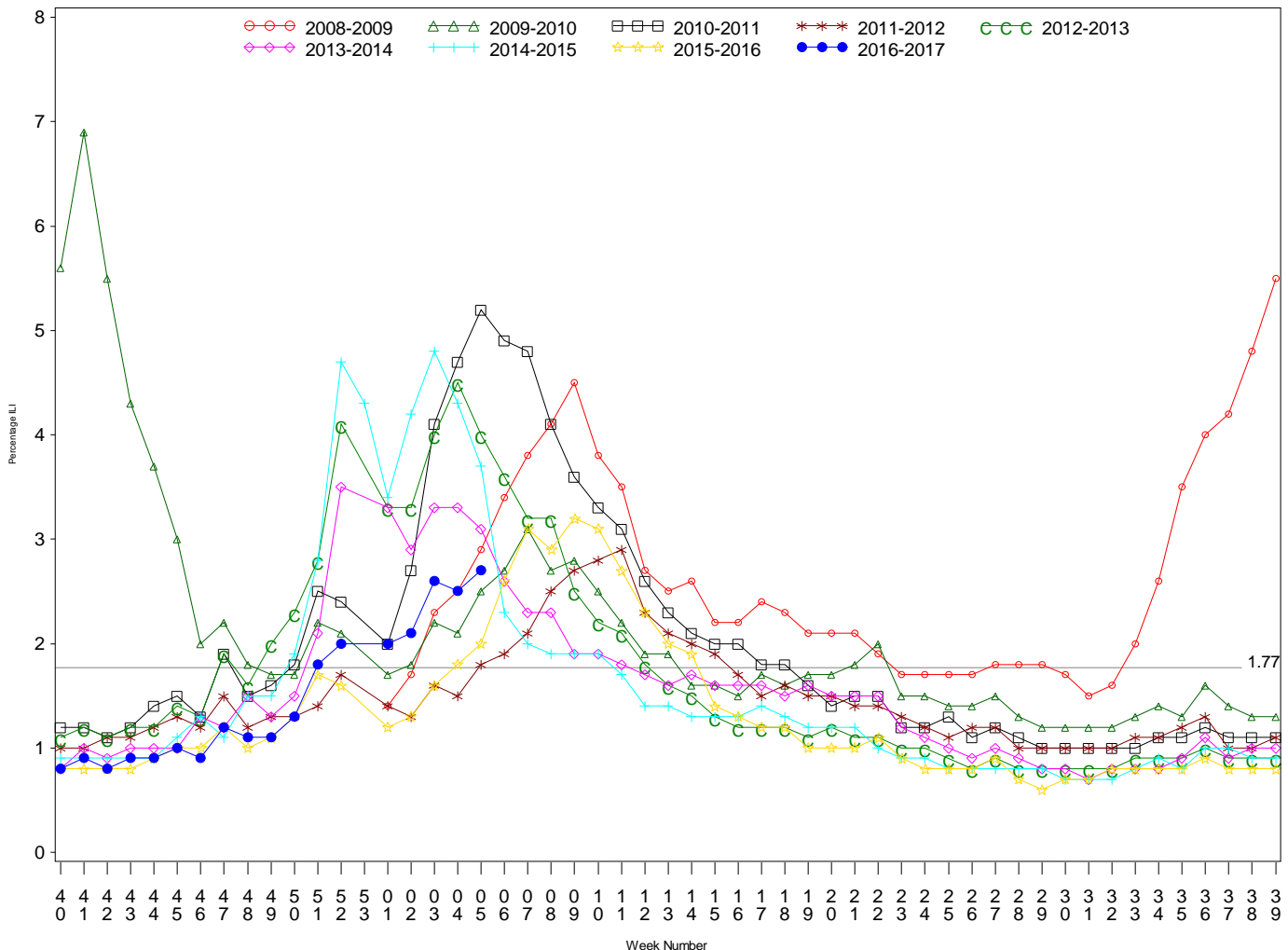




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
 (Week 5: 01/29/2017 – 02/04/2017)

- Influenza-like-illness (ILI) activity in IHS is 2.7%, above the IHS threshold of 1.77%
  - The majority of IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is increasing across a majority of US states
  - CDC's ILINet ILI activity is 3.9% above the ILINet baseline (2.2%) and above the IHS threshold (1.77%).
- To date IHS has administered over 317,000 doses of influenza vaccine.
- Overall, 32% of the IHS Active Clinical population received an influenza vaccine this season.

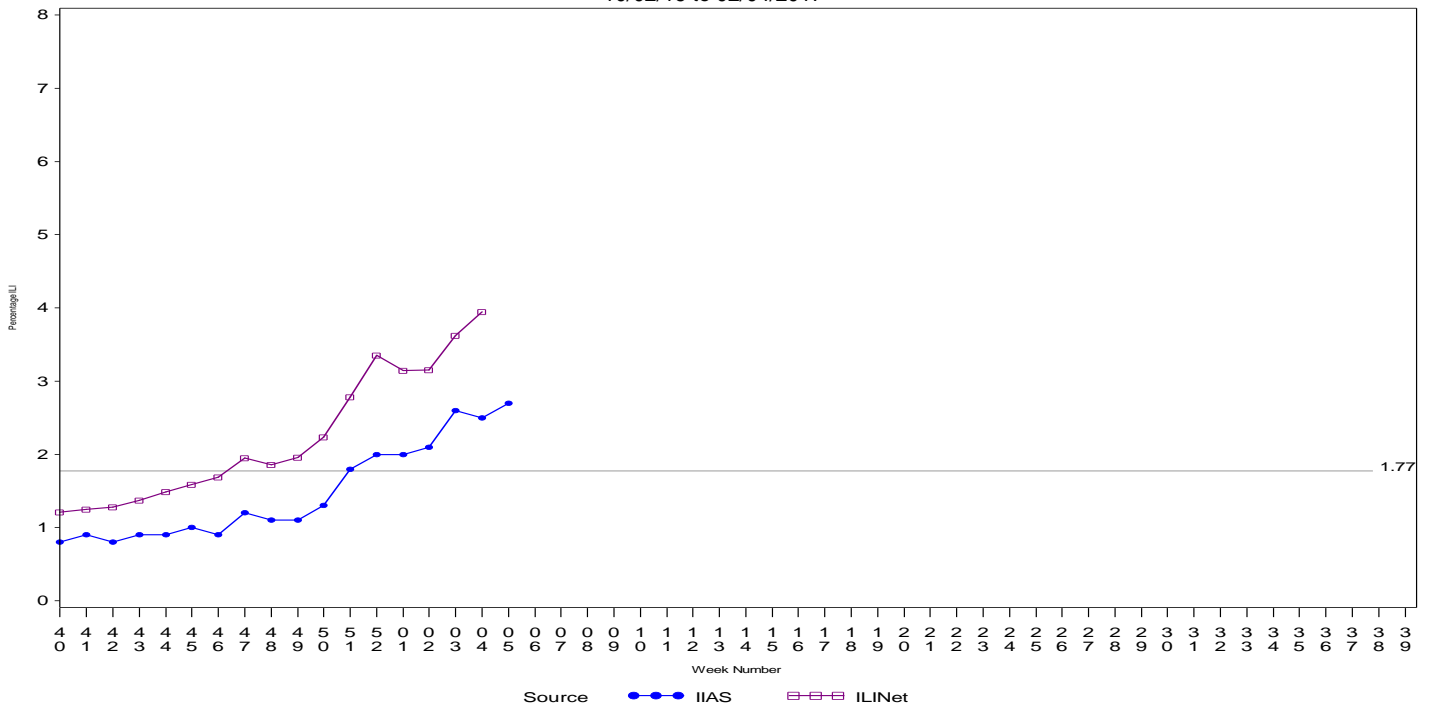
All IHS Areas  
 Influenza-Like Illness (ILI) for All Surveillance Years  
 Percentage of Visits for ILI per week  
 01/04/09 to 02/04/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

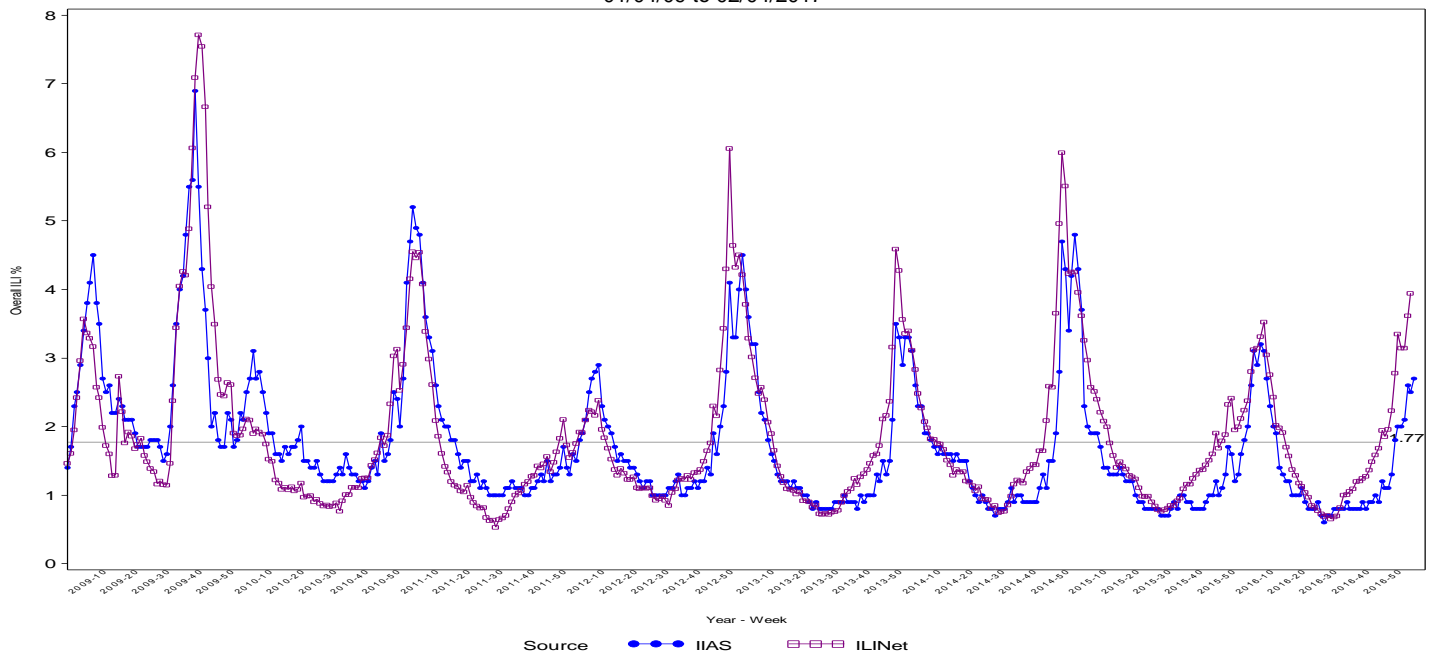
The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2016 - 2017  
 IIAS vs. ILINet  
 10/02/16 to 02/04/2017



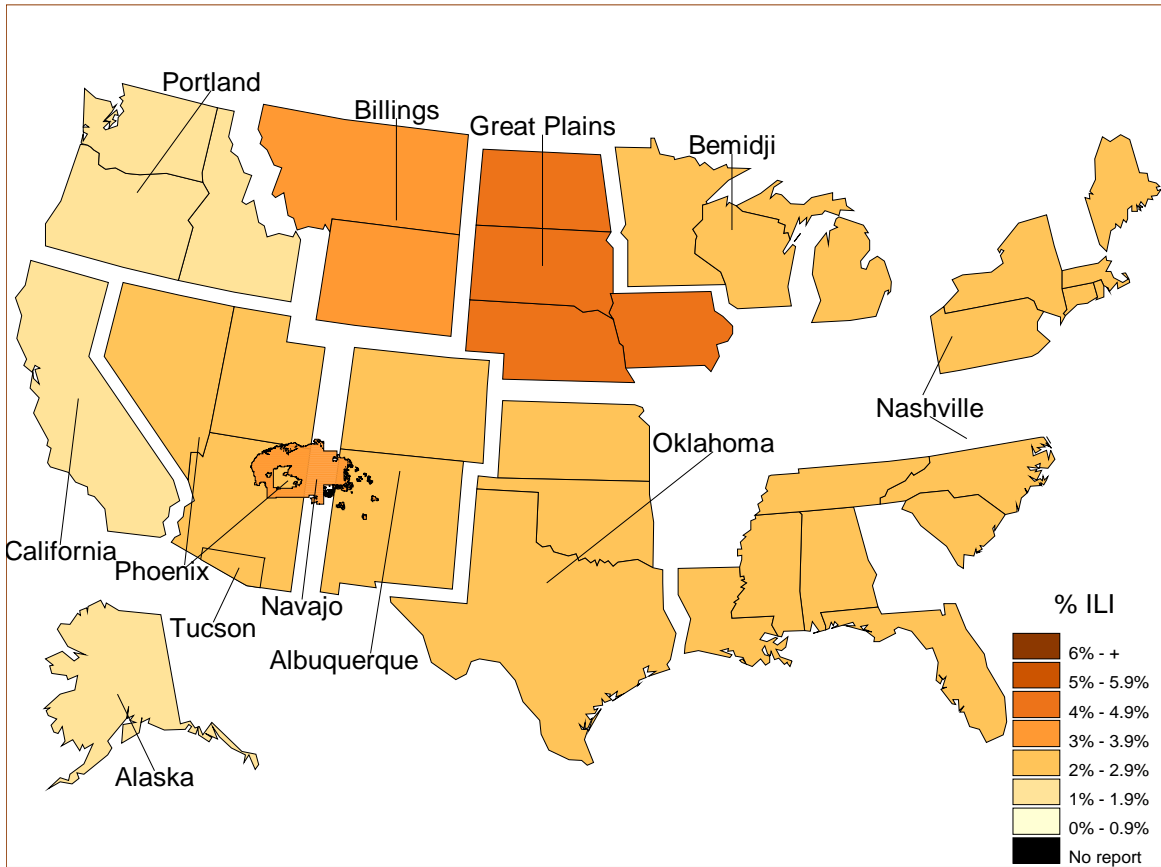
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.  
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Influenza-Like Illness (ILI) All Surveillance Years - Continuous  
 Percentage of Visits for ILI per week  
 IIAS vs. ILINet  
 01/04/09 to 02/04/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.  
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by Region  
For Week: 5



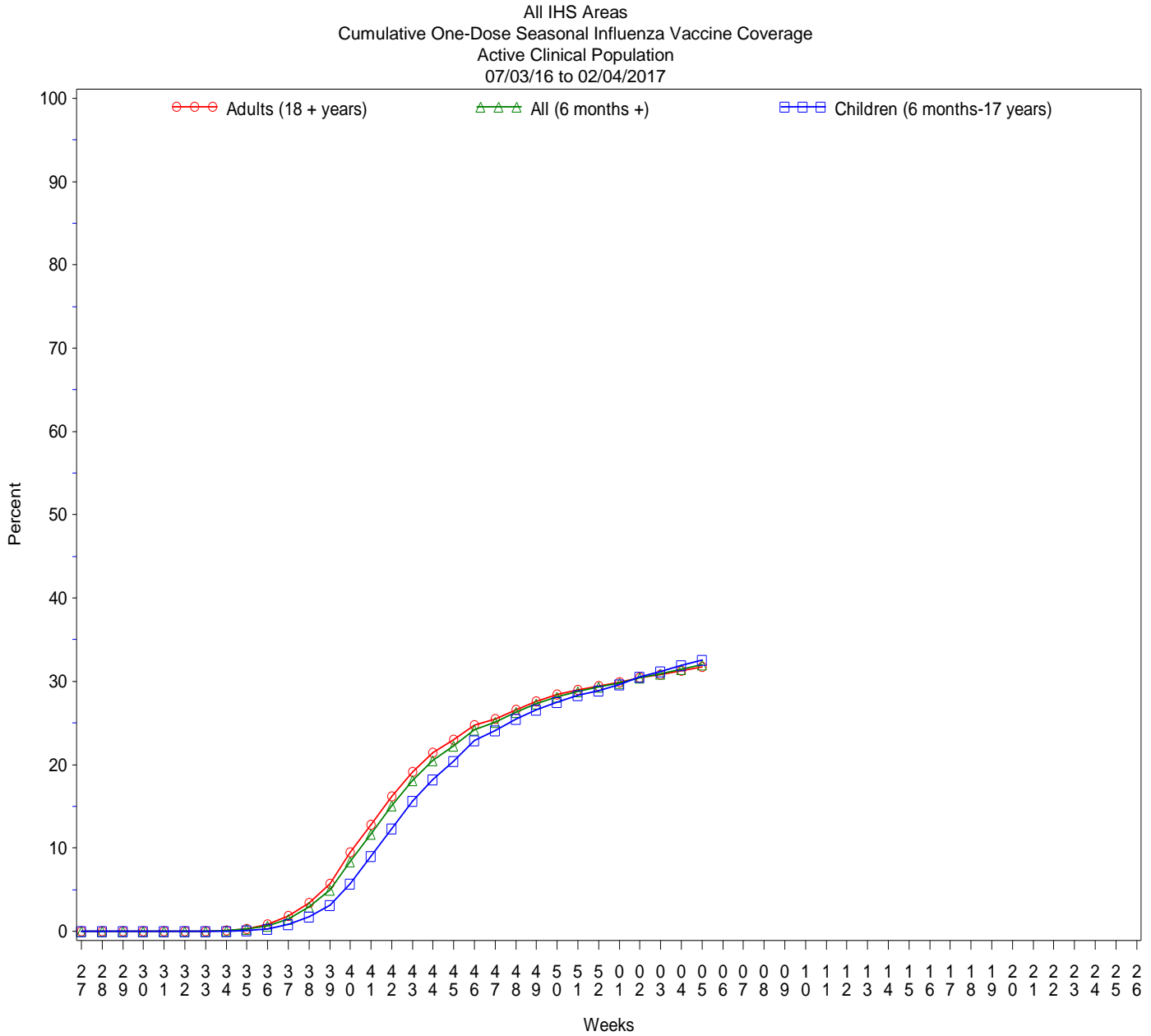
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 4	% in Week 5
NATIONAL	2.5	2.7
ALASKA	1.9	1.5
ALBUQUERQUE	1.9	2.3
BEMIDJI	1.4	2.5
BILLINGS	3.5	3.0
CALIFORNIA	1.1	1.4
GREAT PLAINS	4.8	4.6
NASHVILLE	1.9	2.4
NAVAJO	3.3	3.2
OKLAHOMA	1.7	2.7
PHOENIX	1.7	2.0
PORTLAND	2.1	1.7
TUCSON	2.3	2.2

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

## IHS Influenza Vaccination Surveillance

- As of 02/04/2017, sites reporting to the IIAS have administered 317,427 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	4,600	45	1.0	0	0.0	46
6 - 23 months	22,153	12,005	54.2	2,899	13.1	14,985
2 - 4 years	54,273	15,558	28.7	440	0.8	16,110
5 - 17 years	203,790	63,666	31.2	423	0.2	64,545
18 - 49 years	415,209	103,360	24.9	586	0.1	104,844
50 - 64 years	173,521	68,246	39.3	439	0.3	69,343
65 + years	99,249	46,743	47.1	370	0.4	47,600
Children (6 months-17 years)	280,216	91,229	32.6	3,762	1.3	95,640
Adults (18 + years)	687,979	218,349	31.7	1,395	0.2	221,787
All (6 months +)	968,195	309,578	32.0	5,157	0.5	317,427

\* 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 Vaccine Doses Administered by Influenza Vaccine Type\*

Area	INACTIVE 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-ccII V3	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	4	285	0	455	40	604	1	0	6217	1	2	3744	554	22	0	0	83	12012
ALB	1	200	0	1300	595	10690	1	0	4929	0	6	2078	735	1	0	0	90	20626
BEM	282	114	0	440	27	2807	0	1	3979	5	4	3628	364	46	0	2	261	11960
BIL	5	264	0	1010	15	2286	0	0	11259	0	1	1712	1023	163	0	0	127	17865
CAO	17	211	0	1393	30	2922	1	7	8386	0	2	5402	1601	59	0	2	127	20160
GPA	3	481	0	1069	158	12726	0	0	12673	12	26	5610	1222	9	0	0	102	34091
NSA	238	359	0	354	141	5679	236	0	4145	4	20	356	179	338	0	0	131	12180
NAV	28	378	1	1811	26	10182	9	0	13090	1	2	43578	2757	1078	0	0	205	73146
OKC	271	2415	0	2458	14	29139	7	1	9640	1	17	2853	1564	545	0	0	228	49153
PHX	3	547	0	1449	96	10652	21	0	21617	0	20	642	2568	1	0	0	232	37848
POR	10	439	1	791	1296	8282	12	1	5349	29	24	3533	398	1251	0	0	877	22293
TUC	0	57	0	32	29	8	0	0	6583	1	0	40	504	0	0	0	39	7293
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	<b>862</b>	<b>5752</b>	<b>2</b>	<b>12562</b>	<b>2467</b>	<b>95977</b>	<b>288</b>	<b>10</b>	<b>107867</b>	<b>54</b>	<b>124</b>	<b>73176</b>	<b>13469</b>	<b>3513</b>	<b>0</b>	<b>4</b>	<b>2502</b>	<b>318629</b>

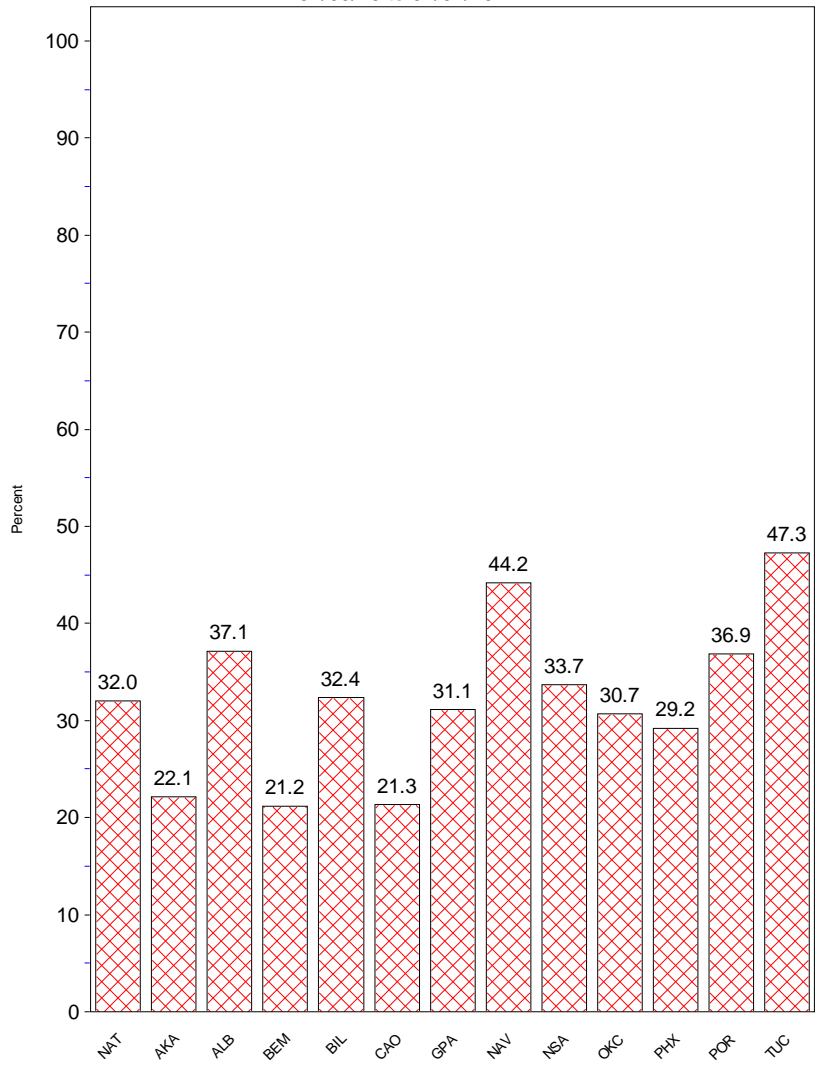
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

\*\* 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+)  
%Seasonal Flu (At least 1 dose) for Active Clinical Population  
07/03/16 to 02/04/2017



- 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	158	295
ALASKA	8	56
ALBUQUERQUE	12	17
BEMIDJI	6	13
BILLINGS	13	22
CALIFORNIA	22	33
GREAT PLAINS	18	36
NASHVILLE	20	24
NAVAJO	7	19
OKLAHOMA	18	22
PHOENIX	14	26
PORTLAND	19	23
TUCSON	1	4

\* Exporting databases may include data from multiple facilities.

\*\* Includes only facility categories: Hospital, Health Center, Health Station, Health Location, and Alaska Village Clinic.