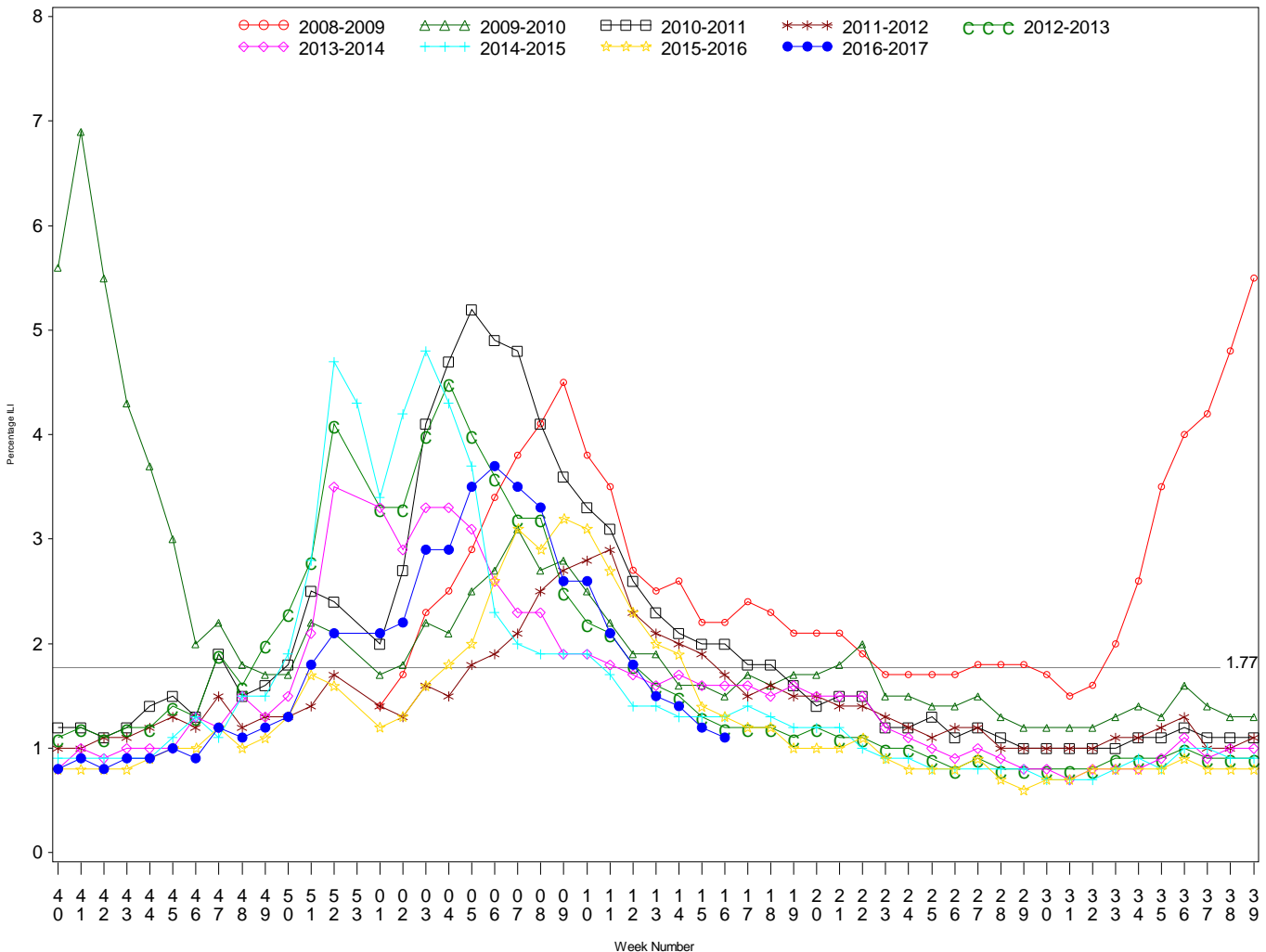




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 16: 04/16/2017 – 04/22/2017)**

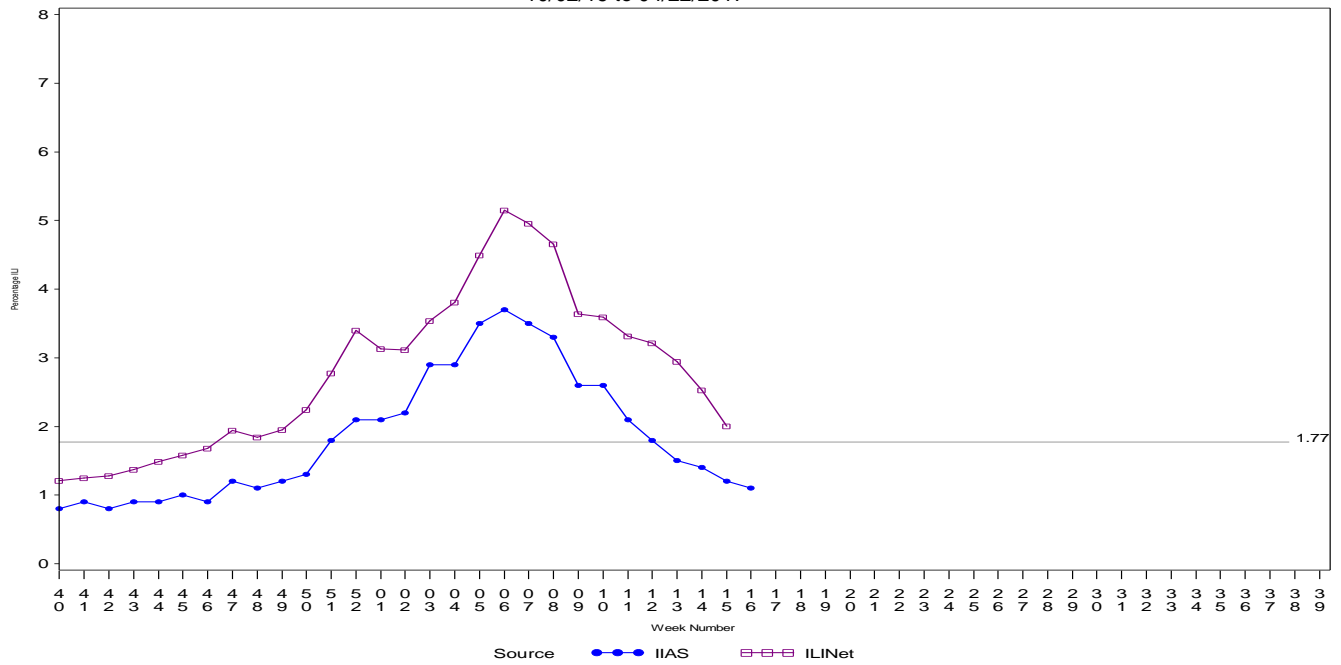
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.1%, below the IHS baseline of 1.77%
  - One IHS region is reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
  - CDC's ILINet ILI activity is 2.0%, below the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 354,000 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 04/22/2017



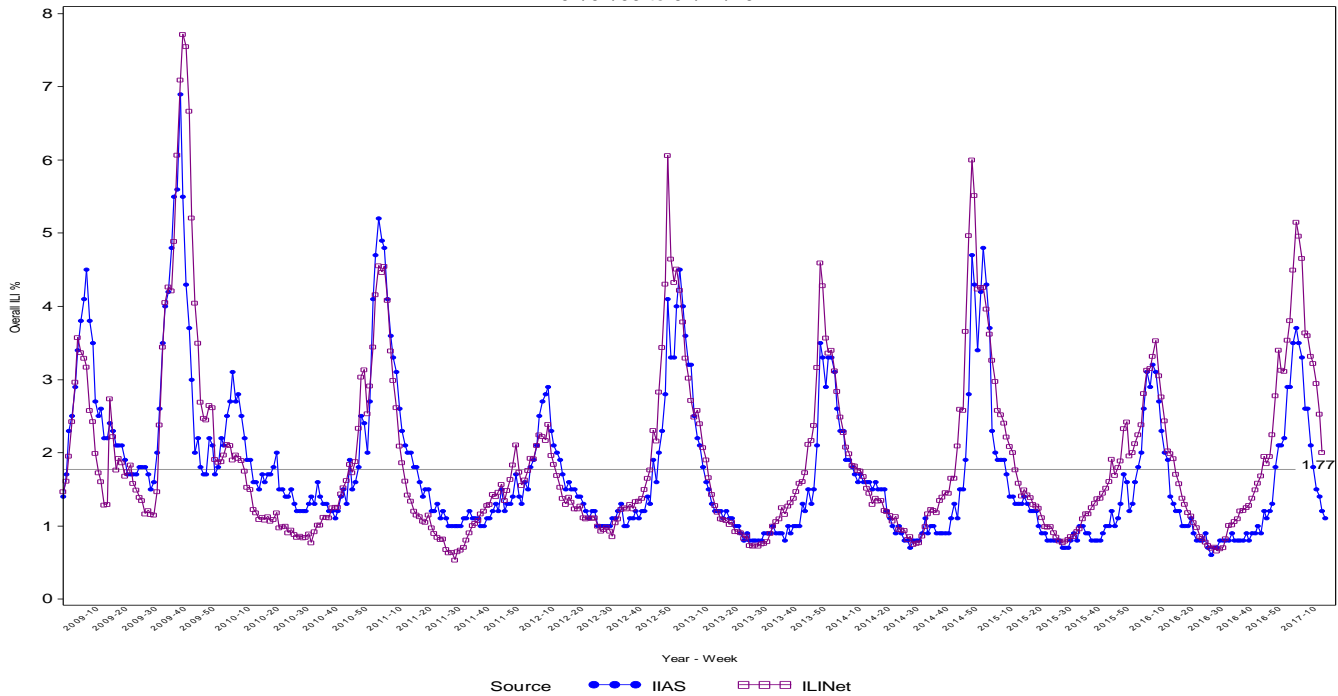
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2016 - 2017  
 IIAS vs. ILINet  
 10/02/16 to 04/22/2017



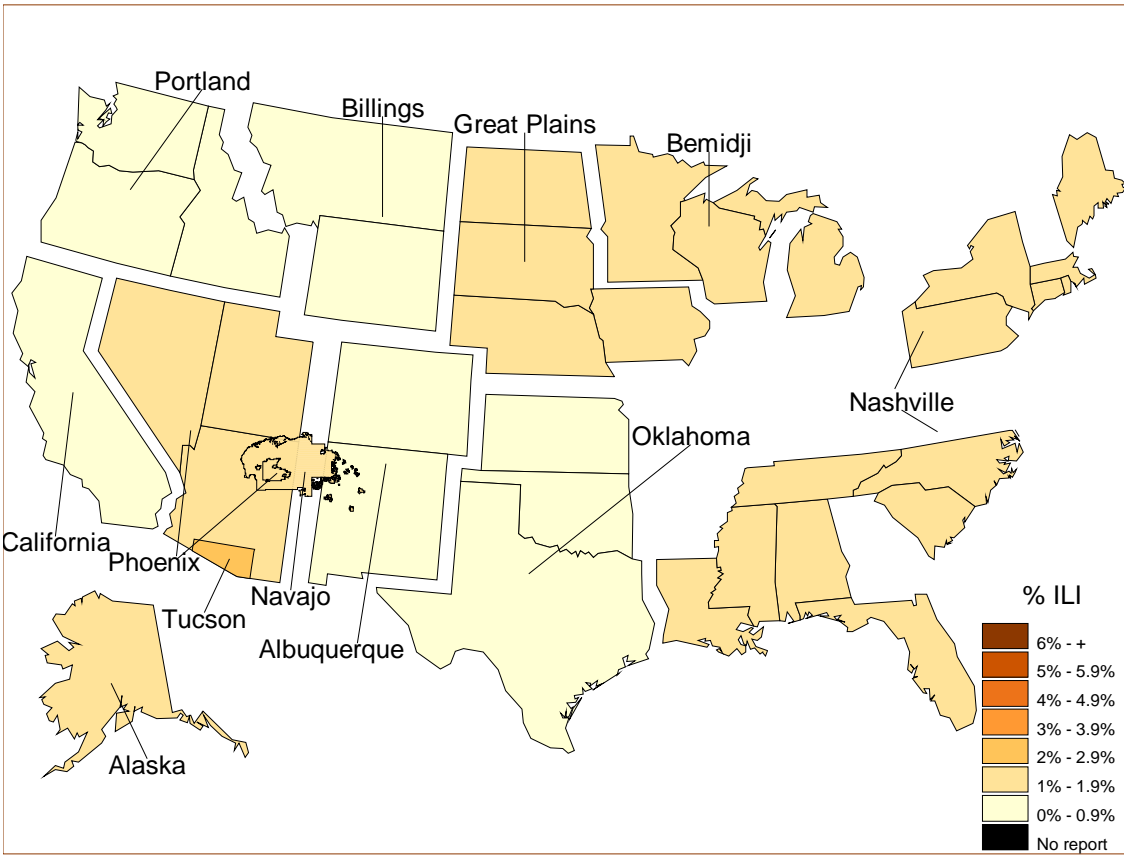
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 04/22/2017



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: 16



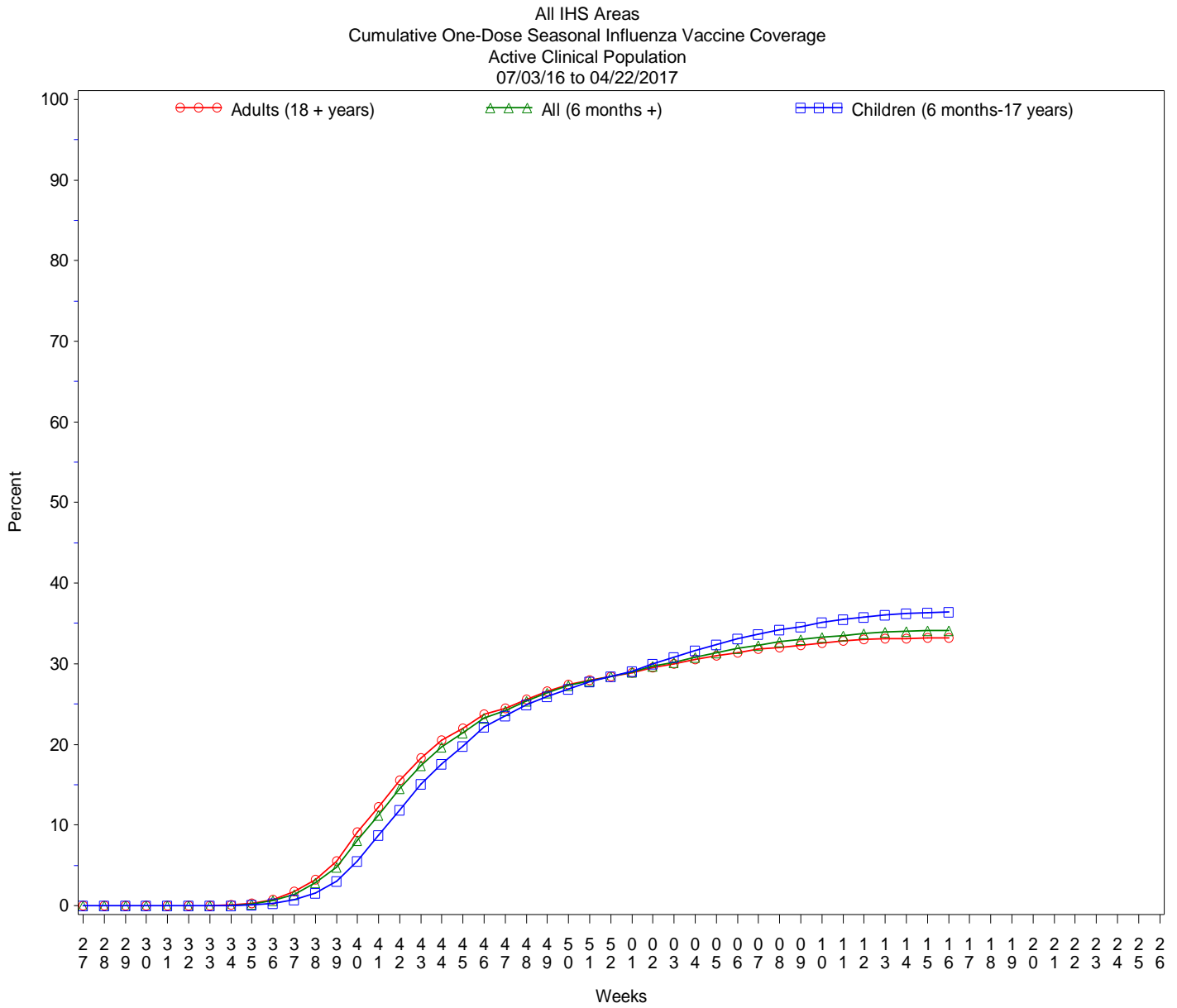
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 15	% in Week 16
NATIONAL	1.2	1.1
ALASKA	2.0	1.3
ALBUQUERQUE	1.3	0.9
BEMIDJI	1.9	1.1
BILLINGS	1.2	0.7
CALIFORNIA	0.6	0.4
GREAT PLAINS	1.5	1.2
NASHVILLE	2.2	1.7
NAVAJO	1.2	1.0
OKLAHOMA	0.7	0.4
PHOENIX	1.4	1.7
PORTLAND	0.4	0.6
TUCSON	1.4	2.1

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

## IHS Influenza Vaccination Surveillance

- As of 04/22/2017, sites reporting to the IIAS have administered 354,831 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	4,499	122	2.7	0	0.0	123
6 - 23 months	22,990	15,155	65.9	5,062	22.0	20,251
2 - 4 years	55,806	18,750	33.6	836	1.5	19,628
5 - 17 years	211,265	71,663	33.9	543	0.3	72,458
18 - 49 years	435,179	115,894	26.6	750	0.2	116,978
50 - 64 years	182,257	74,037	40.6	523	0.3	74,829
65 + years	104,453	49,951	47.8	431	0.4	50,687
Children (6 months-17 years)	290,061	105,568	36.4	6,441	2.2	112,337
Adults (18 + years)	721,889	239,882	33.2	1,704	0.2	242,494
All (6 months +)	1,011,950	345,450	34.1	8,145	0.8	354,831

\* 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-LAI V3	CVX 135 FLU-HIGH	CVX 140 FLU-IIV3pf	CVX 141 FLU-IIV3	CVX 144 FLU-DER MAL	CVX 149 FLU-LAI V4	CVX 150 FLU-IIV4pf	CVX 153 FLU-ccll V3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf-ped	CVX 166	Proc 99.52 Vacc Inf	ICD -9 V04.81 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	4	368	0	490	43	634	1	0	6749	1	2	4144	687	22	0	0	92	13237
ALB	2	224	0	1354	632	12380	1	0	5871	0	7	2241	1051	2	0	0	105	23870
BEM	302	126	1	457	29	3105	0	2	4463	18	4	3775	467	47	0	2	265	13063
BIL	5	287	0	1065	16	2401	0	0	12504	0	2	1868	1280	171	0	0	139	19738
CAO	20	232	0	1448	35	3369	1	8	9113	0	2	6113	2046	61	0	3	143	22594
GPA	3	567	0	1113	167	13942	0	0	14135	12	26	6234	1658	9	0	0	98	37964
NSA	255	363	0	361	165	5996	254	0	4429	4	20	359	302	348	0	0	153	13009
NAV	35	450	1	1914	32	10954	9	0	14792	2	2	49535	3608	1082	0	0	245	82661
OKC	293	2756	1	2533	17	31062	7	1	10731	1	19	3285	1943	557	0	0	245	53451
PHX	4	625	0	1626	111	12519	29	0	24174	0	22	866	3473	2	0	0	273	43724
POR	10	488	1	817	1341	8771	16	1	6123	29	26	3833	506	1385	0	0	911	24258
TUC	0	62	0	37	32	11	0	0	7679	1	0	53	726	0	0	0	43	8644
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	<b>933</b>	<b>6550</b>	<b>4</b>	<b>13215</b>	<b>2620</b>	<b>105144</b>	<b>318</b>	<b>12</b>	<b>120763</b>	<b>68</b>	<b>132</b>	<b>82306</b>	<b>17747</b>	<b>3686</b>	<b>0</b>	<b>5</b>	<b>2712</b>	<b>356215</b>

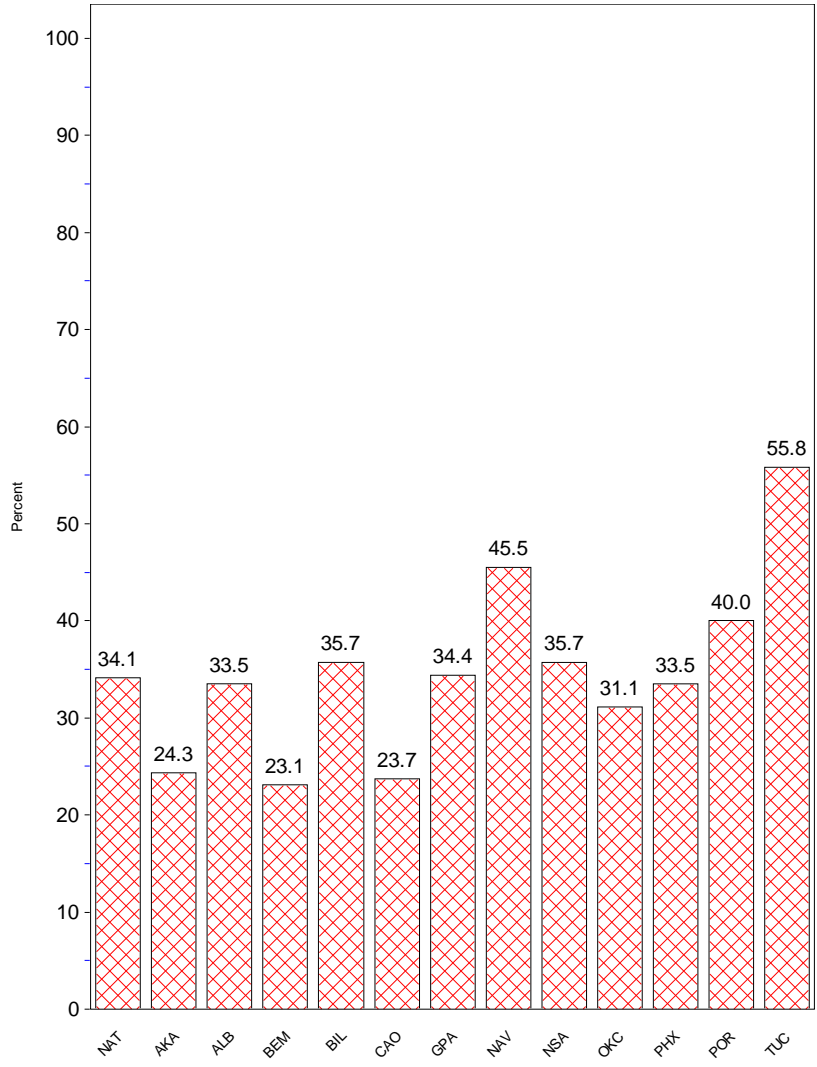
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

\*\* 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 04/22/2017



- 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	293
ALASKA	5	47
ALBUQUERQUE	12	21
BEMIDJI	6	12
BILLINGS	13	24
CALIFORNIA	21	33
GREAT PLAINS	18	34
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	18	22
PHOENIX	14	24
PORTLAND	22	25
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.