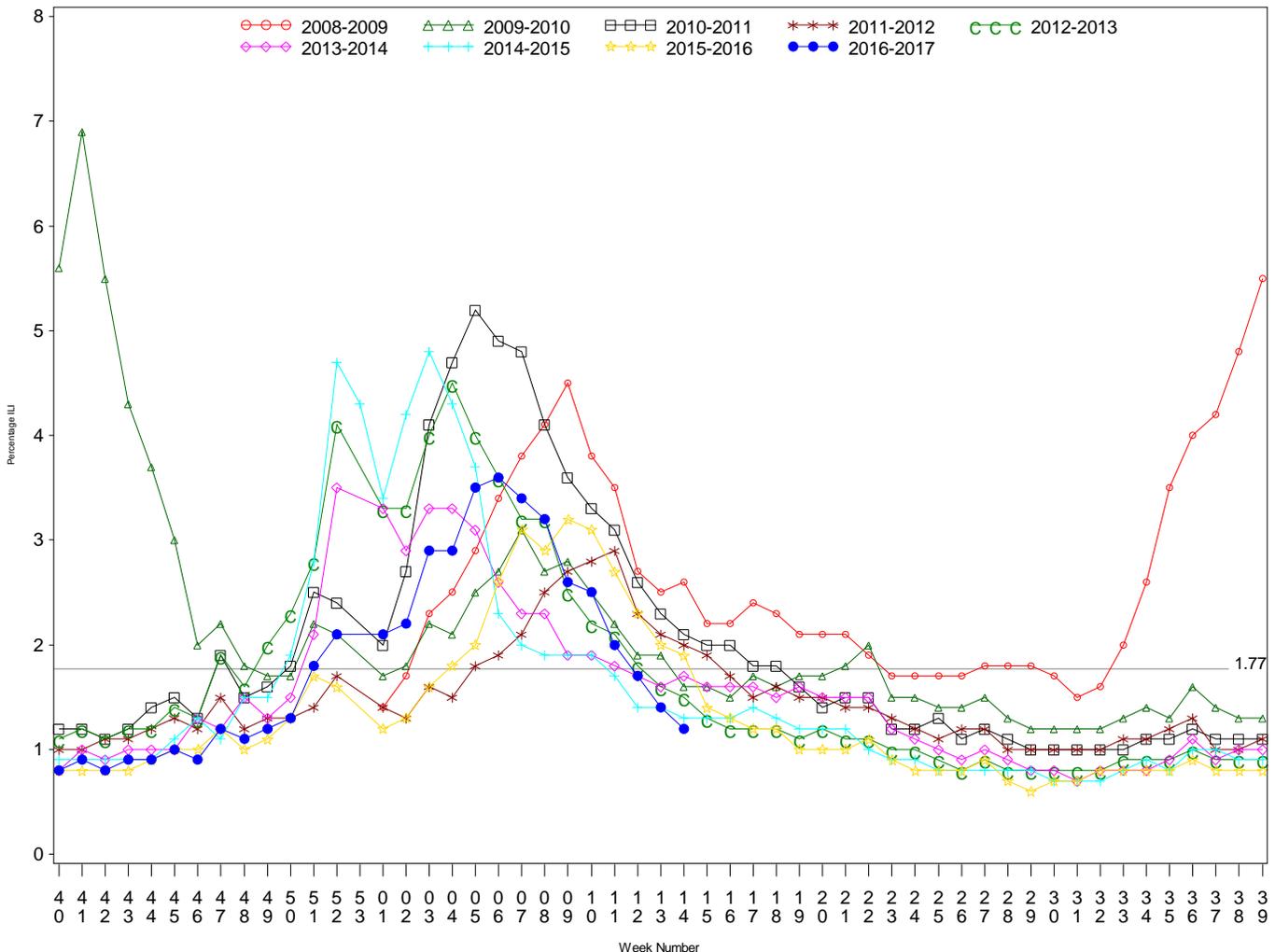




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 14: 04/02/2017 – 04/08/2017)**

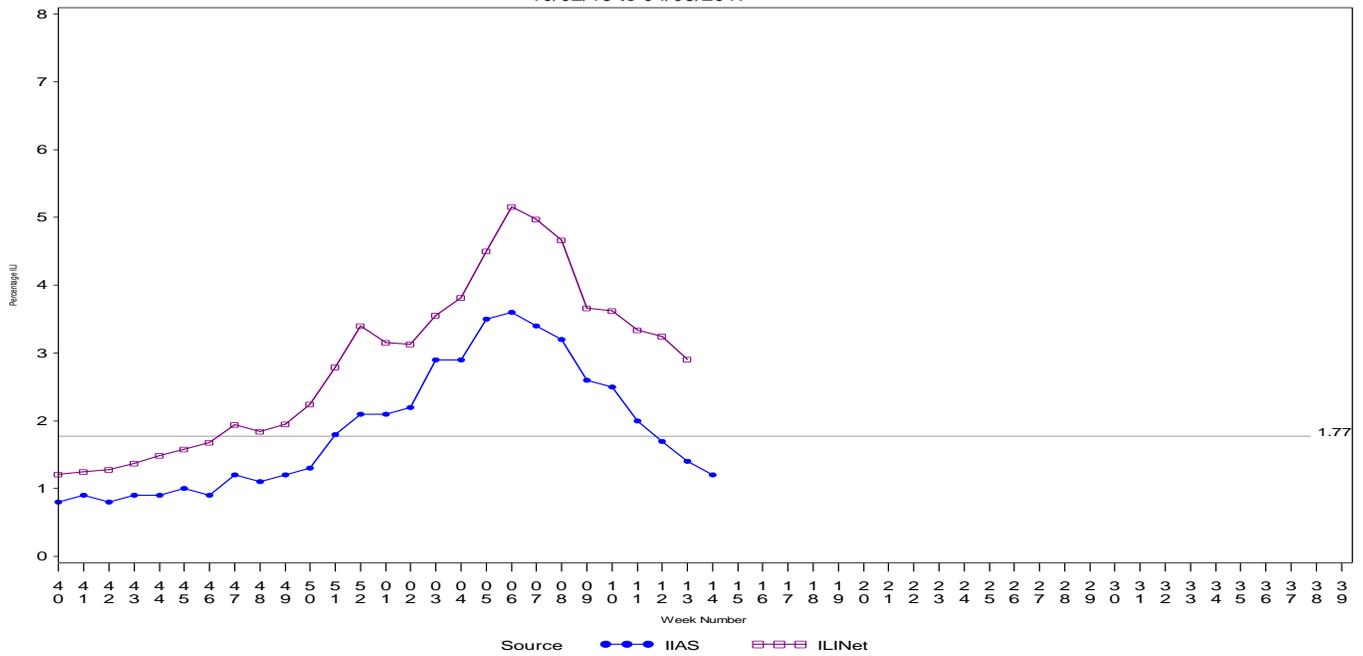
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.2%, below the IHS baseline of 1.77%
  - Two IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
  - CDC's ILINet ILI activity is 2.9%, above the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 352,000 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 04/08/2017



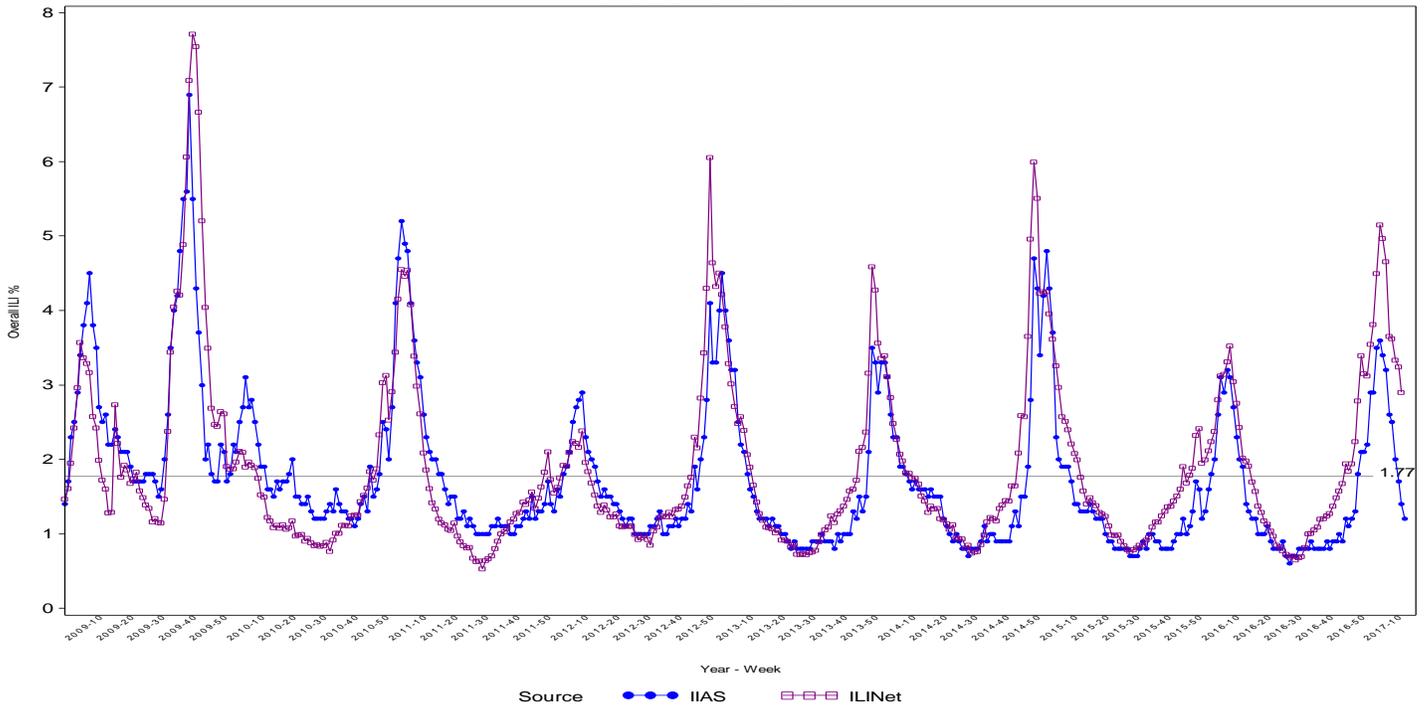
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2016 - 2017  
 IIAS vs. ILINet  
 10/02/16 to 04/08/2017



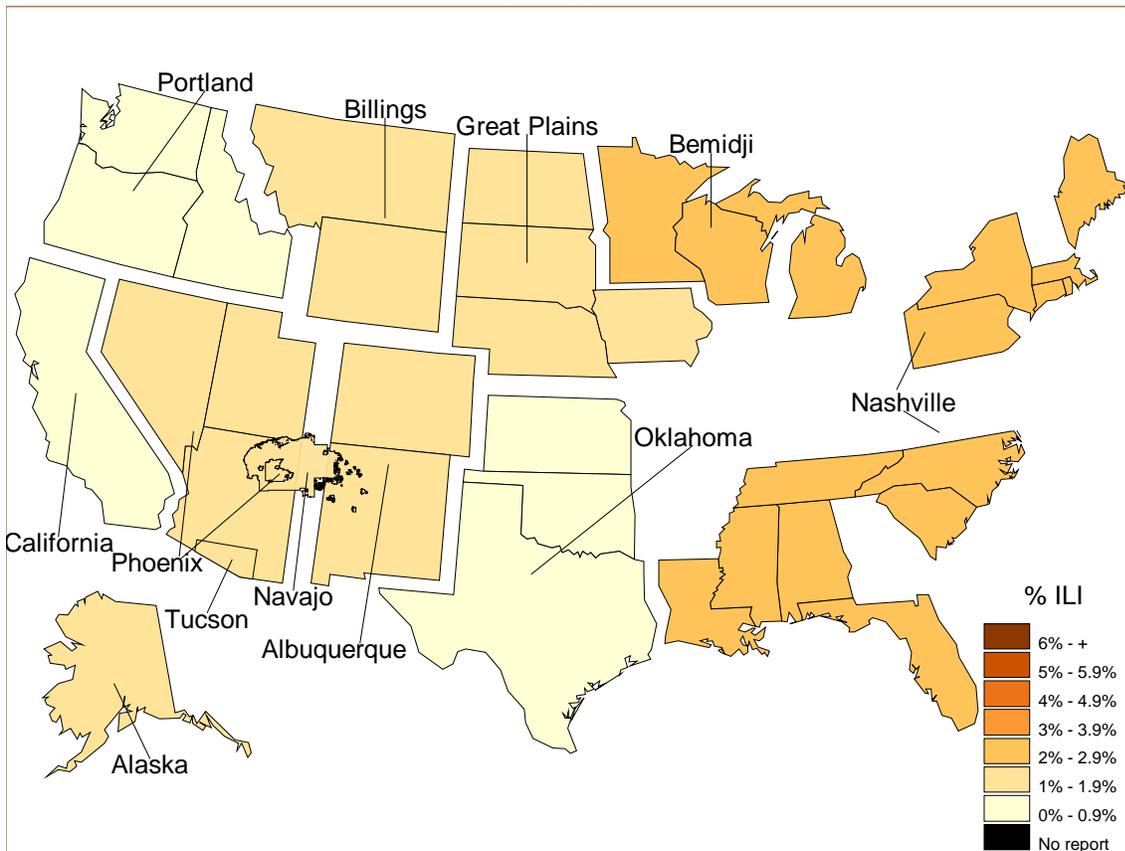
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 04/08/2017



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: 14



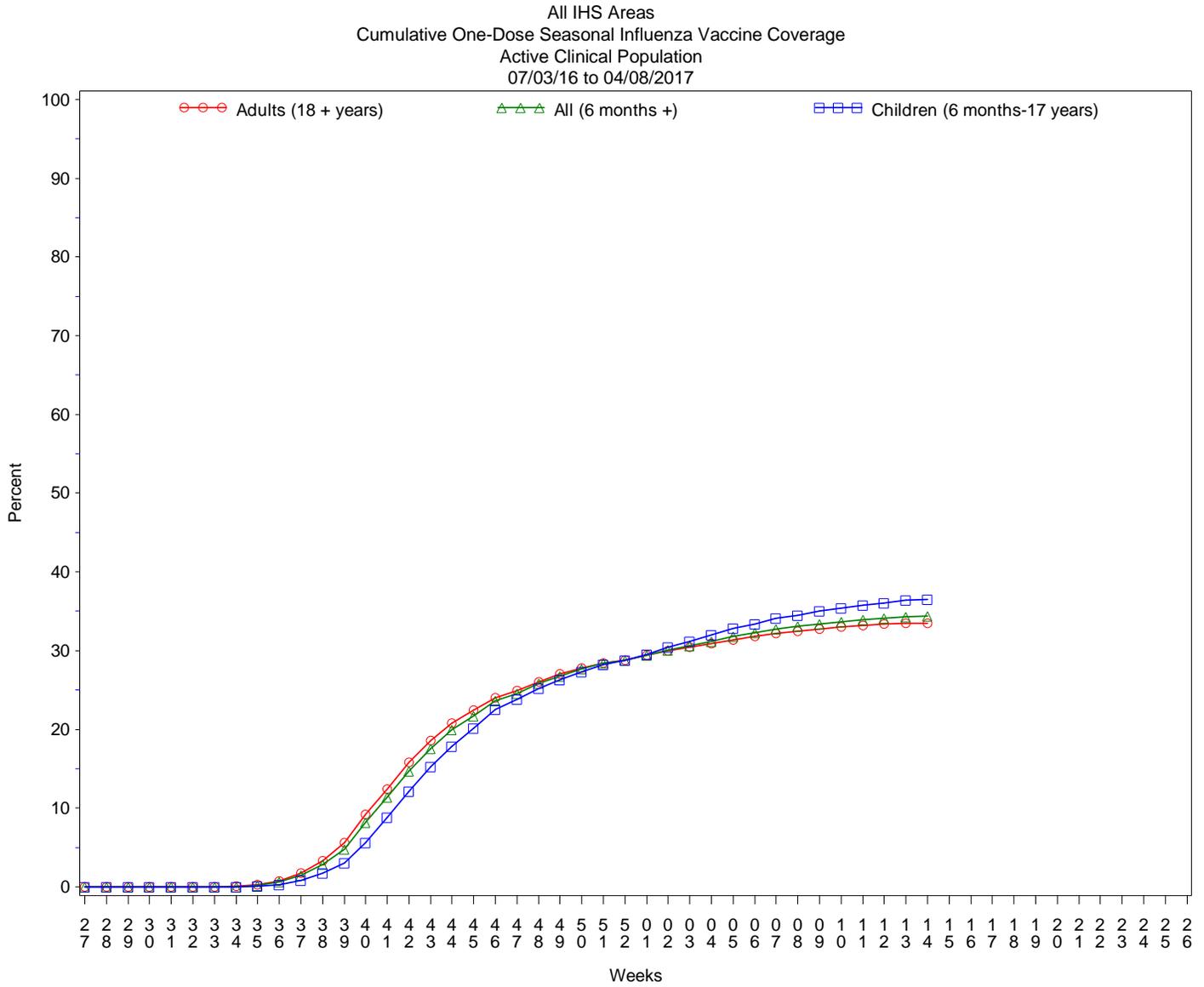
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 13	% in Week 14
NATIONAL	1.4	1.2
ALASKA	1.5	1.0
ALBUQUERQUE	0.8	1.1
BEMIDJI	1.9	2.5
BILLINGS	1.1	1.1
CALIFORNIA	0.7	0.4
GREAT PLAINS	2.1	1.5
NASHVILLE	4.1	2.8
NAVAJO	0.9	1.1
OKLAHOMA	1.1	0.6
PHOENIX	1.4	1.5
PORTLAND	0.7	0.7
TUCSON	1.3	1.3

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

## IHS Influenza Vaccination Surveillance

- As of 04/08/2017, sites reporting to the IIAS have administered 352,114 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	4,455	111	2.5	0	0.0	113
6 - 23 months	22,718	14,876	65.5	4,863	21.4	19,788
2 - 4 years	55,143	18,478	33.5	795	1.4	19,342
5 - 17 years	208,177	70,979	34.1	538	0.3	71,817
18 - 49 years	428,228	114,875	26.8	743	0.2	116,082
50 - 64 years	179,488	73,678	41.0	515	0.3	74,538
65 + years	102,708	49,757	48.4	432	0.4	50,547
Children (6 months-17 years)	286,038	104,333	36.5	6,196	2.2	110,947
Adults (18 + years)	710,424	238,310	33.5	1,690	0.2	241,167
All (6 months +)	996,462	342,643	34.4	7,886	0.8	352,114

\* 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	INACTIV E CVX CODES*	CVX 88 FLU-NOS**	CV X 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	CV X 153 FLU - ccll V3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Pro c 99. 52 Va c Inf	ICD -9 V04 .81 Vac Inf	CPT Billing Codes +	Cumulativ e # of Dose s Seasonal Flu
AKA	4	355	0	487	43	630	1	0	6722	1	2	4124	679	22	0	0	88	13158
ALB	2	217	0	1341	630	11808	1	0	5493	0	7	2239	915	1	0	0	101	22755
BEM	302	126	0	457	29	3101	0	2	4445	18	4	3772	466	47	0	2	265	13036
BIL	5	283	0	1061	15	2400	0	0	12393	0	2	1842	1260	171	0	0	136	19568
CAO	19	231	0	1442	35	3288	1	8	9071	0	2	6085	2011	60	0	3	141	22397
GPA	3	563	0	1113	167	13899	0	0	14038	12	26	6211	1625	9	0	0	97	37763
NSA	254	363	0	359	165	5991	251	0	4419	4	20	357	298	348	0	0	150	12979
NAV	35	446	1	1912	32	10946	9	0	14750	2	2	49473	3549	1082	0	0	235	82474
OKC	289	2751	1	2531	17	31013	7	1	10674	1	19	3278	1917	556	0	0	243	53298
PHX	4	620	0	1622	111	12434	29	0	24067	0	22	862	3388	2	0	0	271	43432
POR	10	488	1	817	1340	8751	16	1	6081	29	26	3818	500	1372	0	0	909	24159
TUC	0	62	0	36	32	11	0	0	7531	1	0	53	682	0	0	0	43	8451
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	<b>927</b>	<b>6507</b>	<b>3</b>	<b>13178</b>	<b>2616</b>	<b>104272</b>	<b>315</b>	<b>12</b>	<b>119684</b>	<b>68</b>	<b>132</b>	<b>82114</b>	<b>17290</b>	<b>3670</b>	<b>0</b>	<b>5</b>	<b>2679</b>	<b>353472</b>

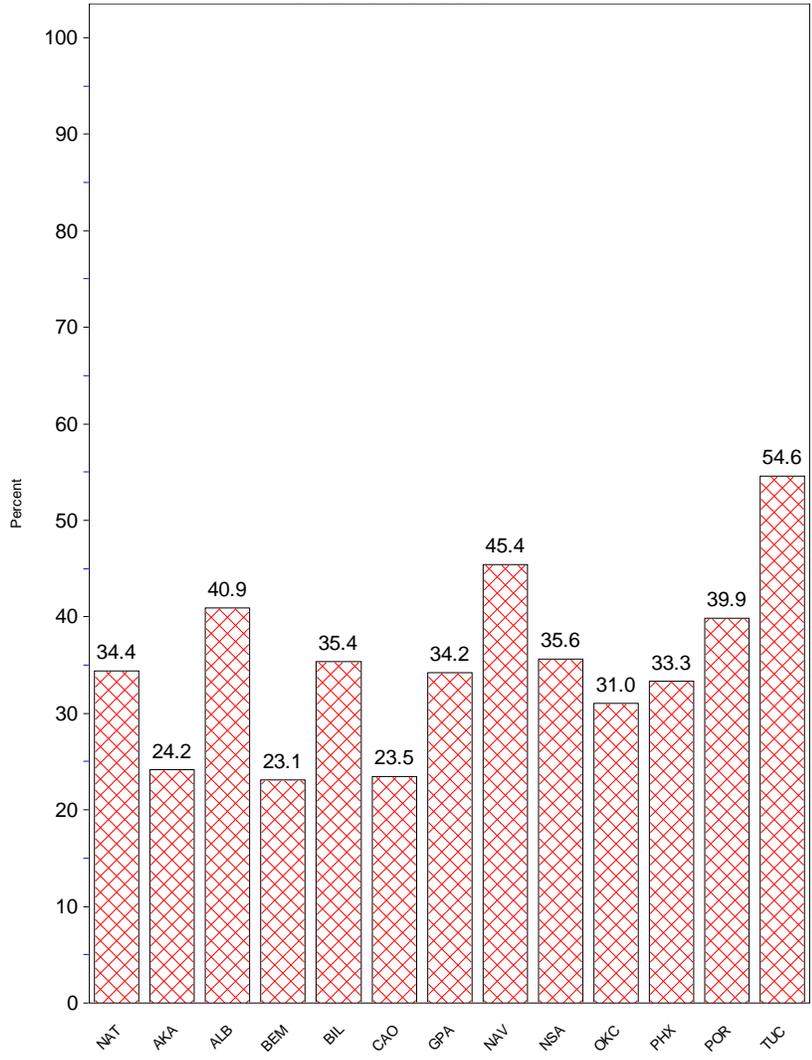
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

\*\* 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 04/08/2017



- 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	161	296
ALASKA	6	49
ALBUQUERQUE	11	15
BEMIDJI	6	13
BILLINGS	13	22
CALIFORNIA	23	39
GREAT PLAINS	18	32
NASHVILLE	20	25
NAVAJO	8	23
OKLAHOMA	18	22
PHOENIX	14	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, and Alaska Village Clinic.