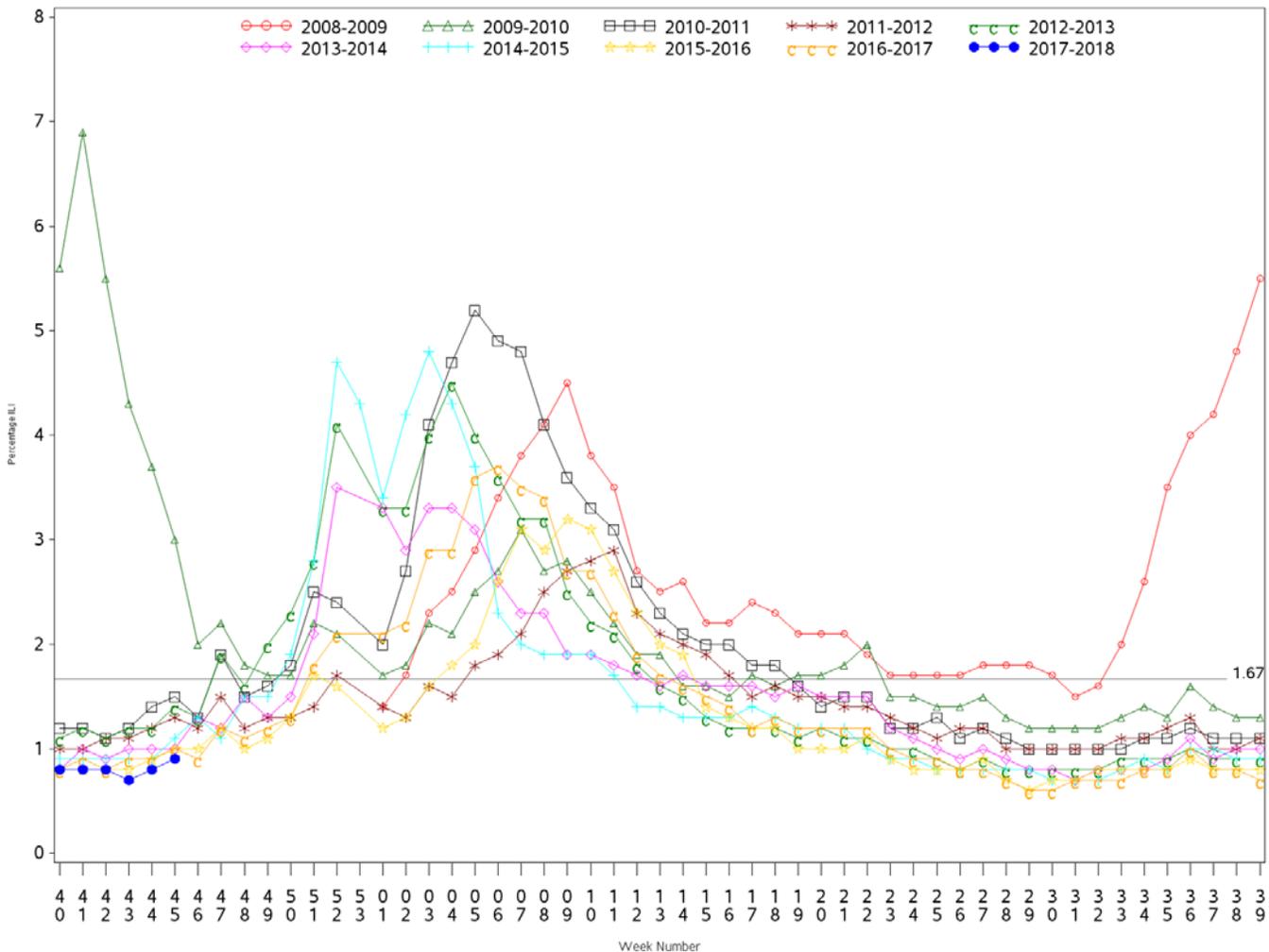




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 45: 11/05/2017 – 11/11/2017)**

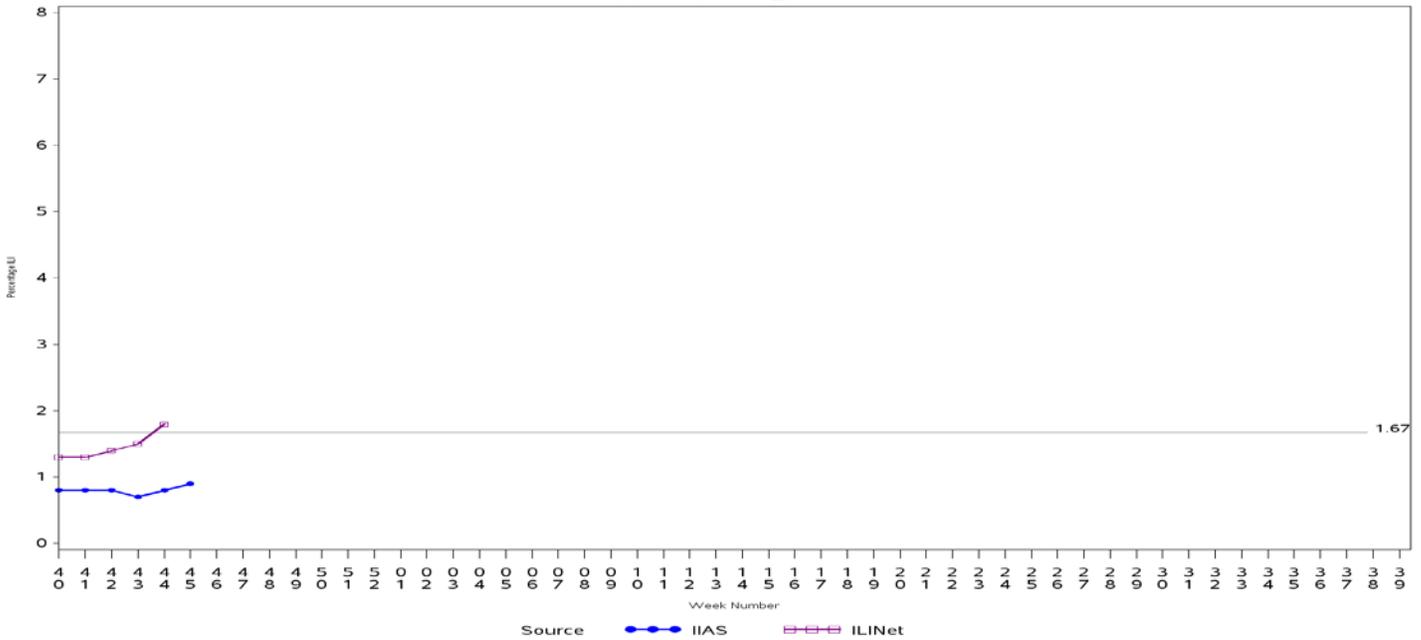
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.9%, below the IHS baseline of 1.67%
  - Five IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also low, below the ILINet baseline
  - CDC's ILINet ILI activity is 1.8%, below the ILINet baseline (2.2%) but above the IHS baseline (1.67%).
- To date, IHS has administered over 212,000 doses of influenza vaccine.
- Overall, 22.4% 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 11/11/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2017-2018 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 2017 - 2018  
 IIAS vs. ILINet  
 10/01/17 to 11/11/2017



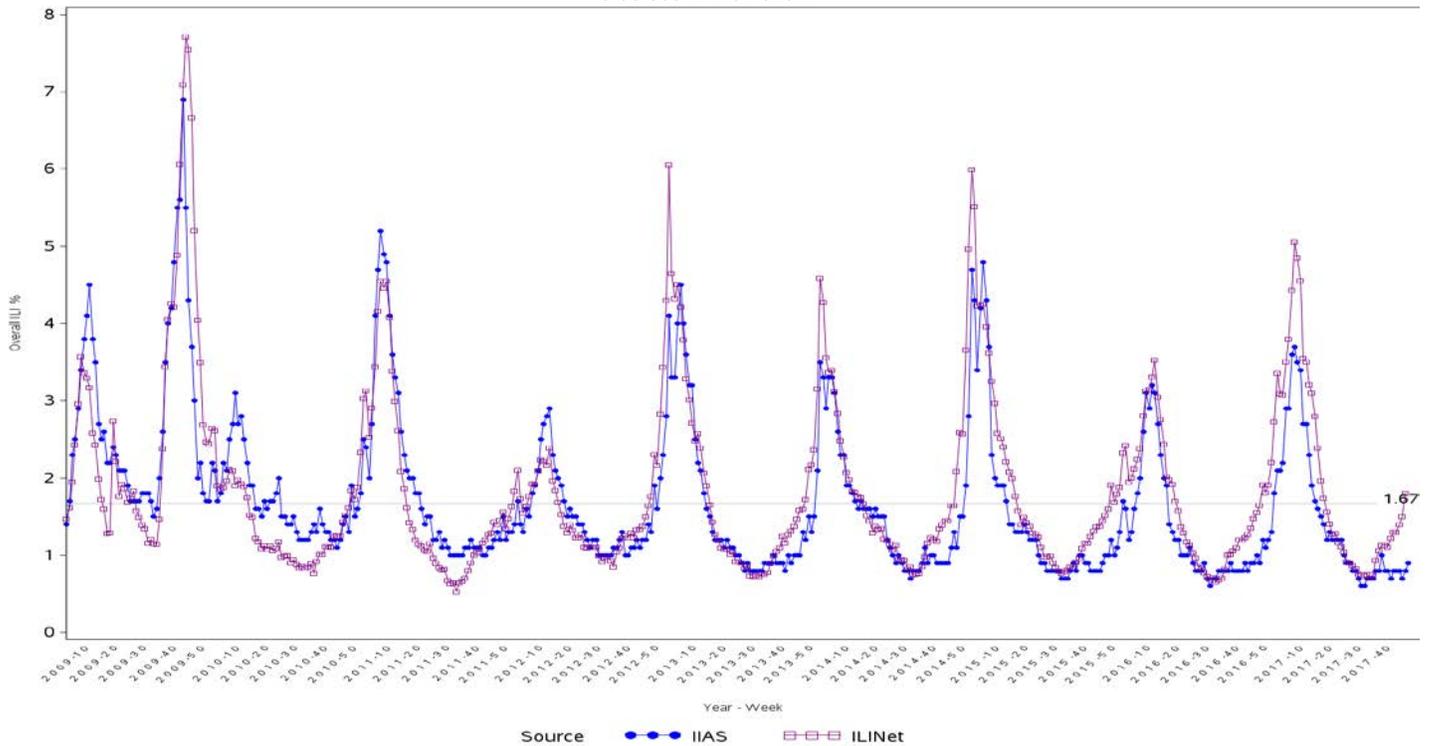
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 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 11/11/2017



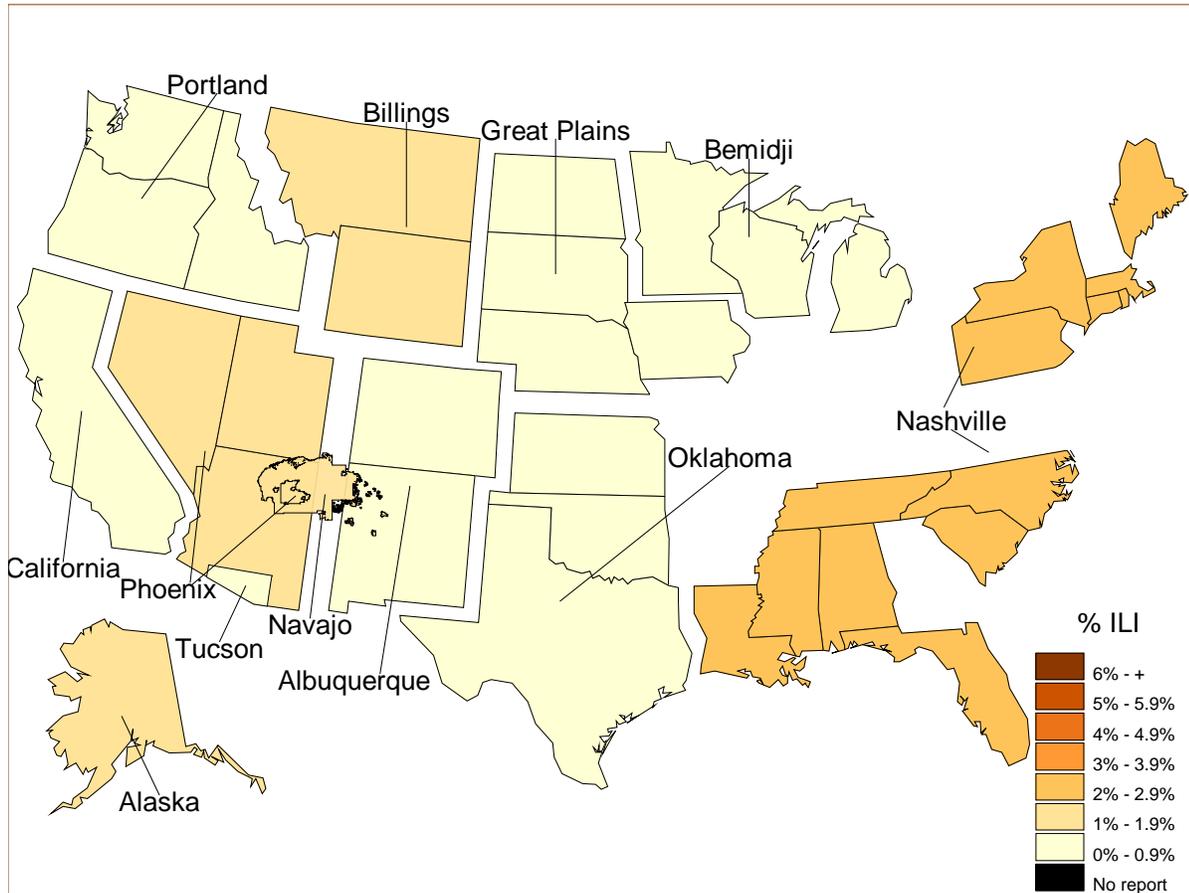
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 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: 45



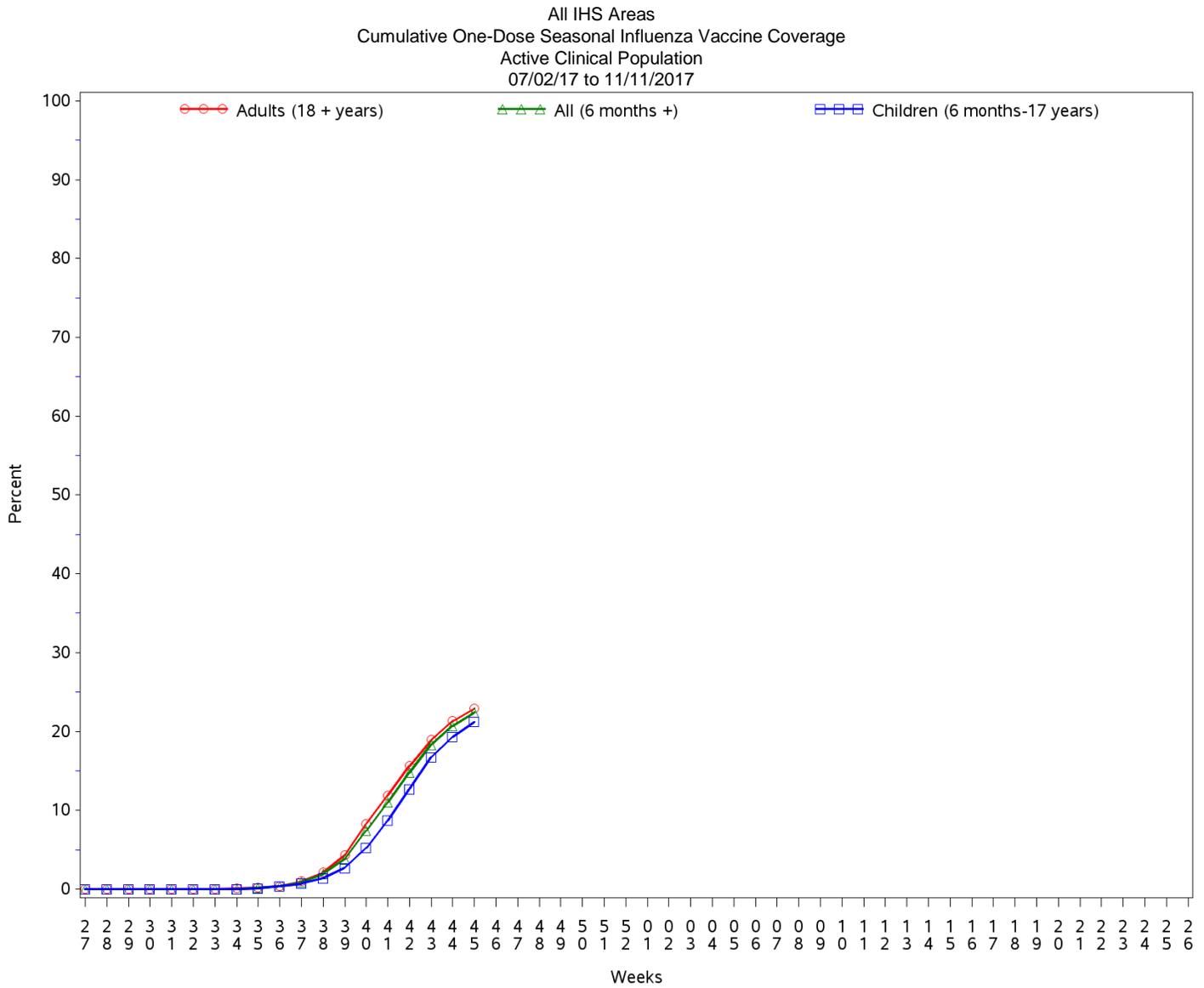
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 44	% in Week 45
NATIONAL	0.8	0.9
ALASKA	1.1	1.1
ALBUQUERQUE	0.7	0.7
BEMIDJI	0.6	0.3
BILLINGS	0.5	1.0
CALIFORNIA	0.5	0.5
GREAT PLAINS	0.8	0.8
NASHVILLE	1.6	2.0
NAVAJO	1.0	1.0
OKLAHOMA	0.4	0.5
PHOENIX	1.5	1.6
PORTLAND	0.6	0.4
TUCSON	0.5	0.8

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

## IHS Influenza Vaccination Surveillance

- As of 11/11/2017, sites reporting to the IIAS have administered 212,132 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	4,295	23	0.5	0	0.0	23
6 - 23 months	20,791	5,742	27.6	300	1.4	6,052
2 - 4 years	51,502	8,655	16.8	50	0.1	8,718
5 - 17 years	196,064	42,612	21.7	148	0.1	42,851
18 - 49 years	401,330	68,025	16.9	302	0.1	68,503
50 - 64 years	169,091	48,326	28.6	197	0.1	48,660
65 + years	100,035	36,939	36.9	201	0.2	37,348
Children (6 months-17 years)	268,357	57,009	21.2	498	0.2	57,621
Adults (18 + years)	670,456	153,290	22.9	700	0.1	154,511
All (6 months +)	938,813	210,299	22.4	1,198	0.1	212,132

\* 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 135 FLU-HIGH	CVX 140 FLU-IIV3 pf	CVX 141 FLU-IIV3	CVX 149 FLU-LAIV 4	CVX 150 FLU-IIV4pf	CVX 155 FLU-RIV3	CVX 158 FLU-IIV4	CVX 161 IIV4pf ped	CVX 166 FLU-DERM4	CVX 168 FLU-IIV3ad	CVX 171 FLU-ccl4pf	CVX 185 FLU-RIV4	CVX 186 FLU-ccl4	Proc 99.52 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	1	22	266	3	63	0	3,420	0	922	239	2	0	33	0	0	0	0	26	4,997
ALB	0	150	1,385	36	763	0	7,159	11	5,727	430	683	1	4	34	5	0	0	37	16,425
BEM	1	82	339	4	293	0	3,208	1	3,720	161	6	0	1	32	0	0	0	37	7,885
BIL	0	54	1,118	4	101	0	7,292	2	1,603	184	121	0	128	199	1	0	0	55	10,862
CAO	0	338	1,258	32	1,023	0	4,443	1	2,930	233	29	0	489	0	0	0	0	145	10,921
GPA	1	216	1,233	2	878	1	12,296	4	7,033	1,041	3	3	85	19	3	0	0	79	22,897
NSA	1	98	301	17	299	0	3,462	3	4,300	150	329	1	77	10	1	0	0	130	9,179
NAV	5	188	1,477	10	1,246	0	16,750	7	31,156	1,011	396	1	9	33	11	0	0	110	52,410
OKC	5	1,390	2,429	4	1,750	2	7,805	7	16,137	1,234	360	0	842	11	32	0	0	48	32,056
PHX	0	583	1,420	2	360	0	12,919	10	8,699	347	3	2	10	4	0	0	0	87	24,446
POR	3	234	1,202	232	376	0	5,540	18	6,222	359	740	54	680	164	1	0	0	128	15,953
TUC	0	26	19	14	0	0	4,253	0	67	17	0	0	0	0	0	0	0	23	4,419
	<b>17</b>	<b>3,381</b>	<b>12,447</b>	<b>360</b>	<b>7,152</b>	<b>3</b>	<b>88,547</b>	<b>64</b>	<b>88,516</b>	<b>5,406</b>	<b>2,672</b>	<b>62</b>	<b>2,358</b>	<b>506</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>905</b>	<b>212,450</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.

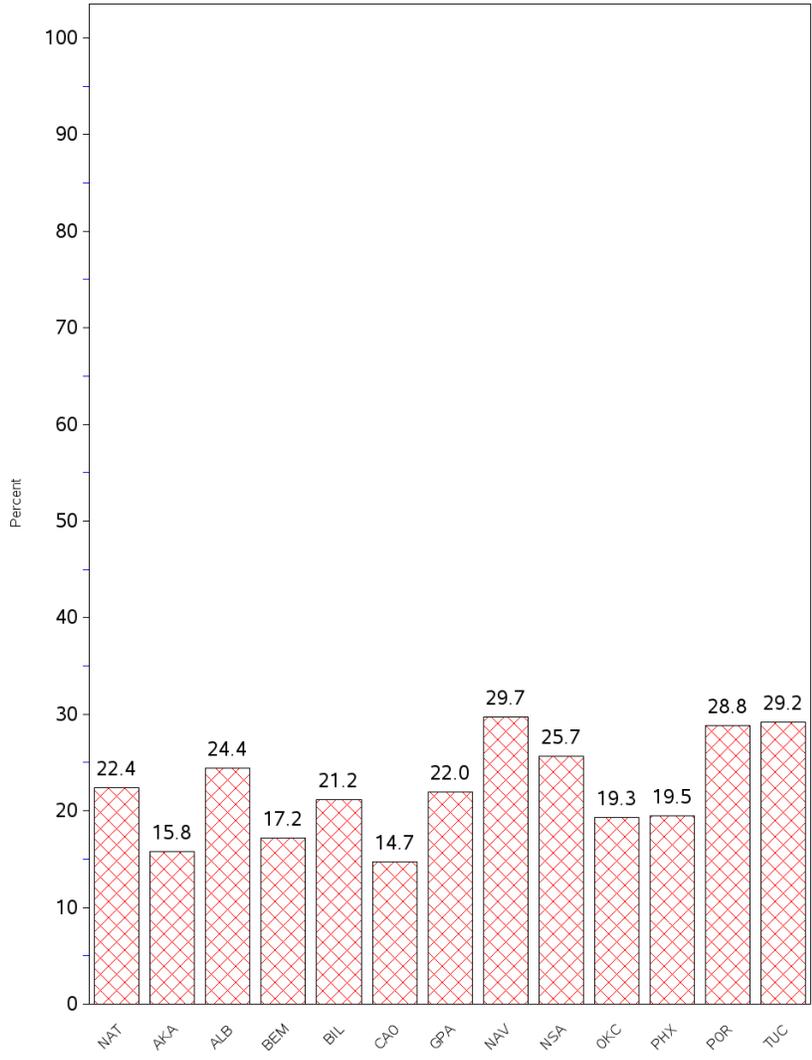
Doses are NOT deduplicated.

\*\* 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 months and older)  
%Seasonal Flu (At least 1 dose) for Active Clinical Population  
07/02/17 to 11/11/2017



- 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	153	303
ALASKA	5	56
ALBUQUERQUE	12	20
BEMIDJI	6	12
BILLINGS	11	21
CALIFORNIA	20	36
GREAT PLAINS	17	35
NASHVILLE	20	24
NAVAJO	8	22
OKLAHOMA	19	26
PHOENIX	13	22
PORTLAND	21	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.