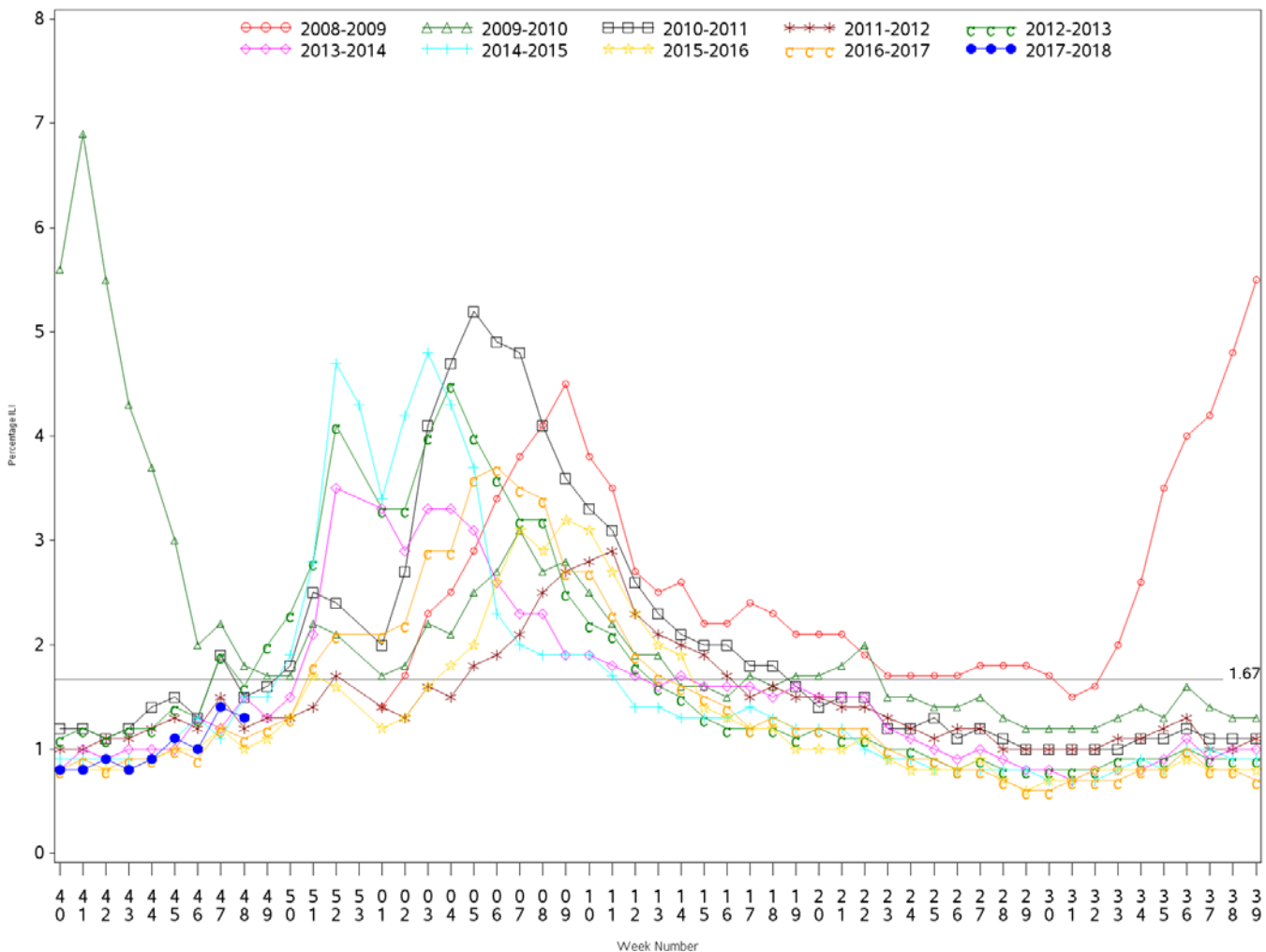




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 48: 11/26/2017 – 12/02/2017)**

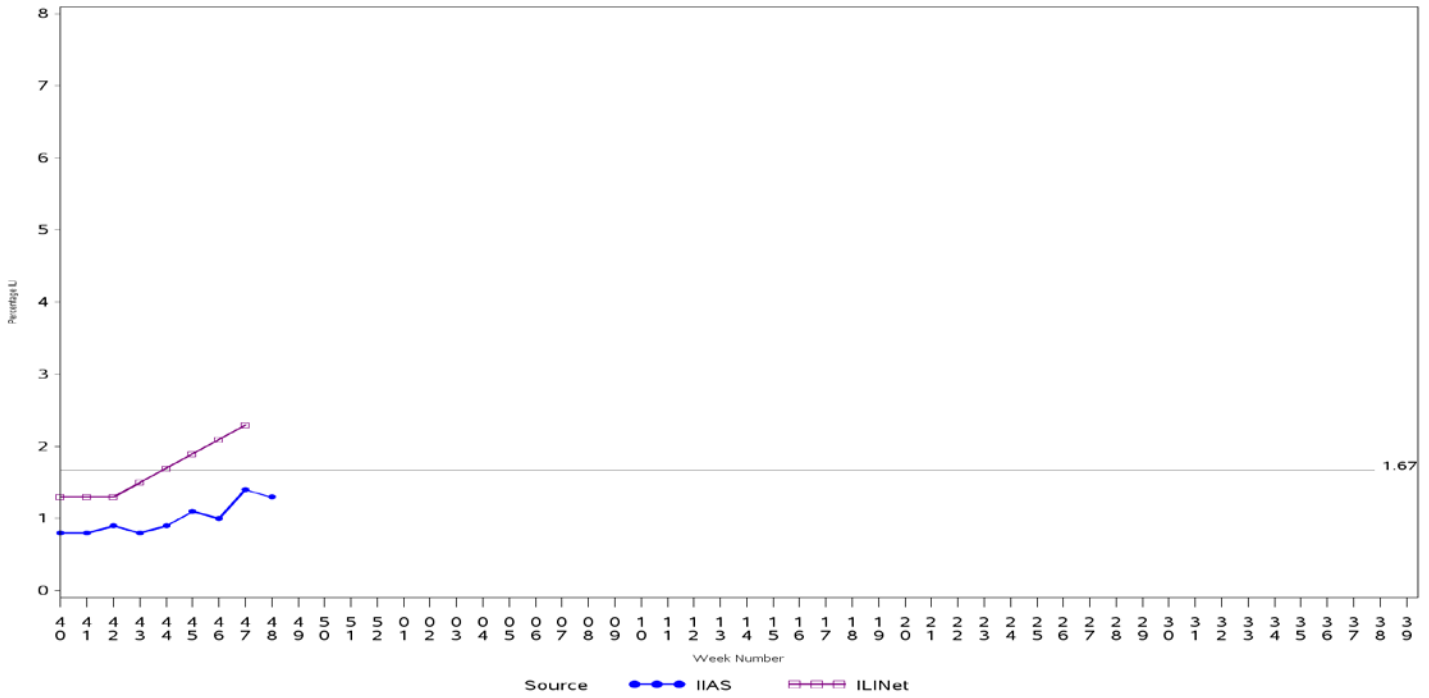
- Influenza-like-illness (ILI) activity in IHS is low and is at 1.3%, below the IHS baseline of 1.67%
  - Seven IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is increasing in a majority of US states
  - CDC's ILINet ILI activity is 2.3%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 249,000 doses of influenza vaccine.
- Overall, 26.3% 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 12/02/2017



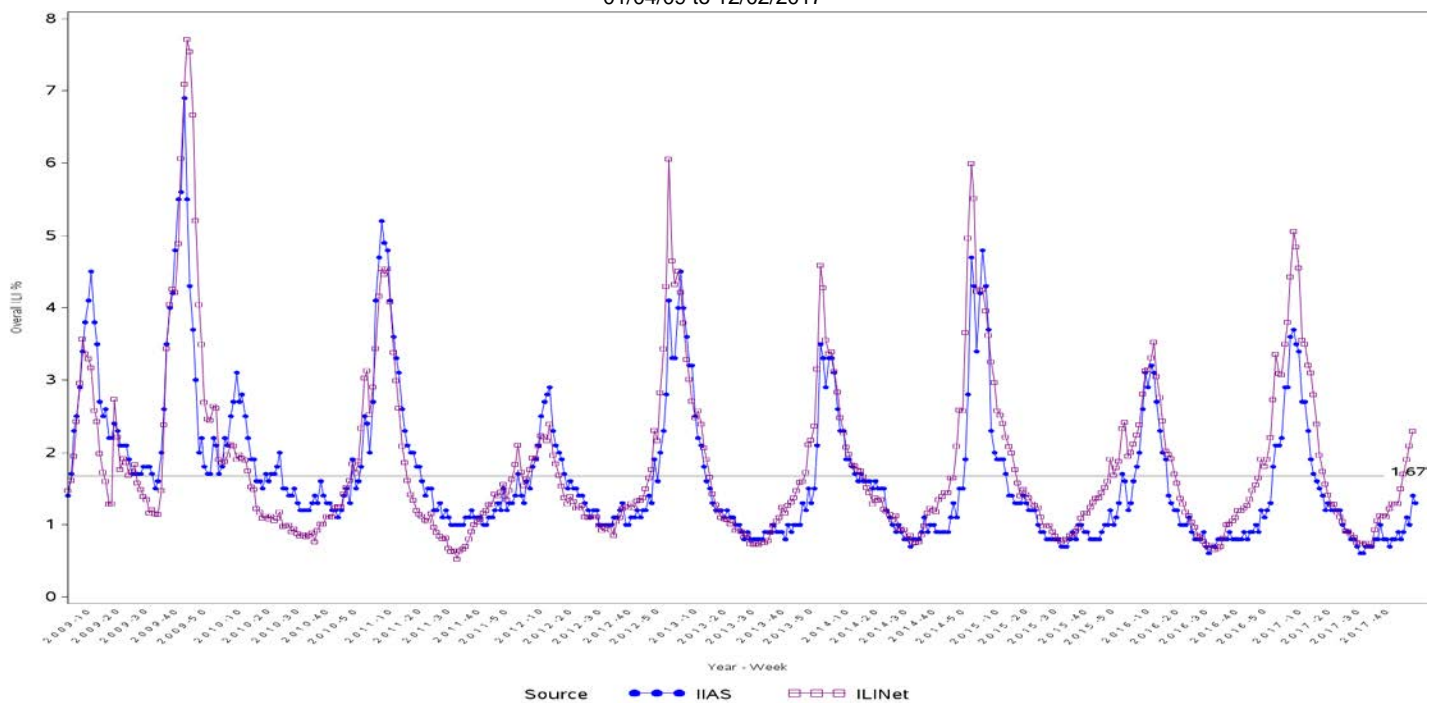
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2017 - 2018  
 IIAS vs. ILINet  
 10/01/17 to 12/02/2017



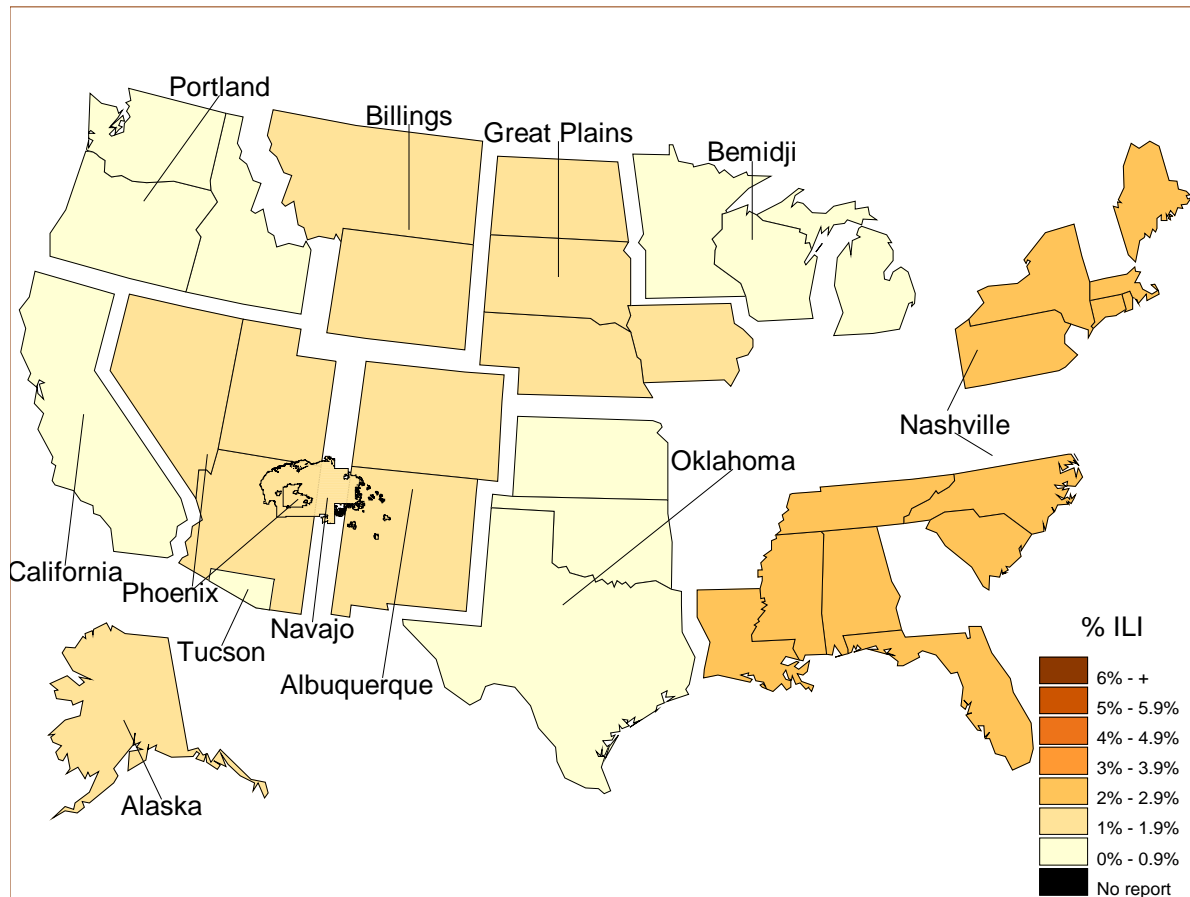
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 12/02/2017



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: 48



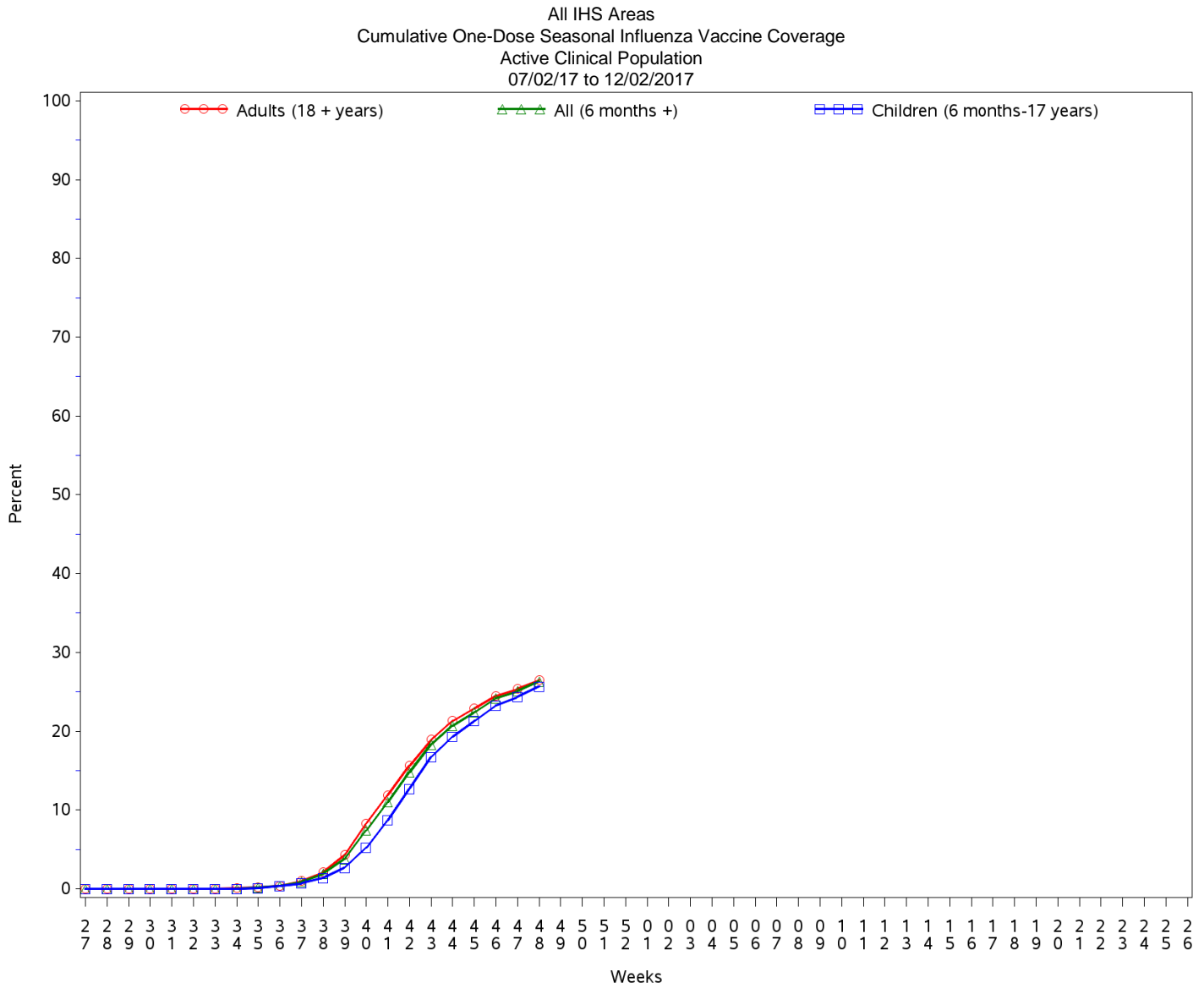
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 47	% in Week 48
NATIONAL	1.4	1.3
ALASKA	0.8	1.0
ALBUQUERQUE	0.9	1.2
BEMIDJI	1.1	0.8
BILLINGS	1.5	1.2
CALIFORNIA	0.6	0.5
GREAT PLAINS	1.4	1.4
NASHVILLE	2.6	2.4
NAVAJO	1.5	1.4
OKLAHOMA	0.8	0.8
PHOENIX	2.1	1.9
PORTLAND	0.6	0.6
TUCSON	0.4	0.5

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

## IHS Influenza Vaccination Surveillance

- As of 12/02/2017, sites reporting to the IAS have administered 249,302 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	4,338	30	0.7	0	0.0	30
6 - 23 months	20,636	7,370	35.7	861	4.2	8,242
2 - 4 years	51,338	10,830	21.1	127	0.2	10,974
5 - 17 years	196,148	50,690	25.8	193	0.1	50,993
18 - 49 years	401,010	79,614	19.9	352	0.1	80,198
50 - 64 years	169,208	55,823	33.0	222	0.1	56,210
65 + years	100,503	42,208	42.0	239	0.2	42,685
Children (6 months-17 years)	268,122	68,890	25.7	1,181	0.4	70,209
Adults (18 + years)	670,721	177,645	26.5	813	0.1	179,093
All (6 months +)	938,843	246,535	26.3	1,994	0.2	249,302

\* 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-IIV3pf	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 V04.81 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	1	23	326	3	69	0	3,792	0	1,024	313	2	0	42	0	0	0	0	33	5,628
ALB	0	163	1,591	39	876	0	8,979	12	6,841	666	817	1	4	34	5	0	0	44	20,072
BEM	1	84	359	5	303	0	3,646	1	4,036	184	6	0	1	34	0	0	0	40	8,700
BIL	0	55	1,275	4	122	0	8,691	2	2,070	247	124	0	129	236	1	0	0	72	13,028
CAO	1	343	1,416	35	1,151	0	5,397	1	3,355	273	51	0	561	0	0	0	0	162	12,746
GPA	1	226	1,355	3	973	1	14,035	5	8,311	1,307	3	3	114	20	6	0	0	85	26,448
NSA	1	100	326	19	337	0	3,904	4	4,772	201	378	1	80	13	1	0	0	169	10,306
NAV	5	205	1,761	11	1,354	0	20,175	7	36,669	1,397	496	1	11	48	16	0	0	122	62,278
OKC	6	1,442	2,767	4	1,879	2	9,029	9	19,172	1,689	394	0	1,280	12	32	0	0	53	37,770
PHX	0	638	1,557	2	379	0	15,609	11	10,166	402	3	2	10	4	0	0	0	104	28,887
POR	4	242	1,317	272	395	0	6,312	20	7,107	452	807	63	779	194	3	0	0	133	18,100
TUC	0	27	23	15	0	0	5,556	0	70	24	0	0	0	0	0	0	0	28	5,743
	<b>20</b>	<b>3,548</b>	<b>14,073</b>	<b>412</b>	<b>7,838</b>	<b>3</b>	<b>105,125</b>	<b>72</b>	<b>103,593</b>	<b>7,155</b>	<b>3,081</b>	<b>71</b>	<b>3,011</b>	<b>595</b>	<b>64</b>	<b>0</b>	<b>0</b>	<b>1,045</b>	<b>249,706</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.

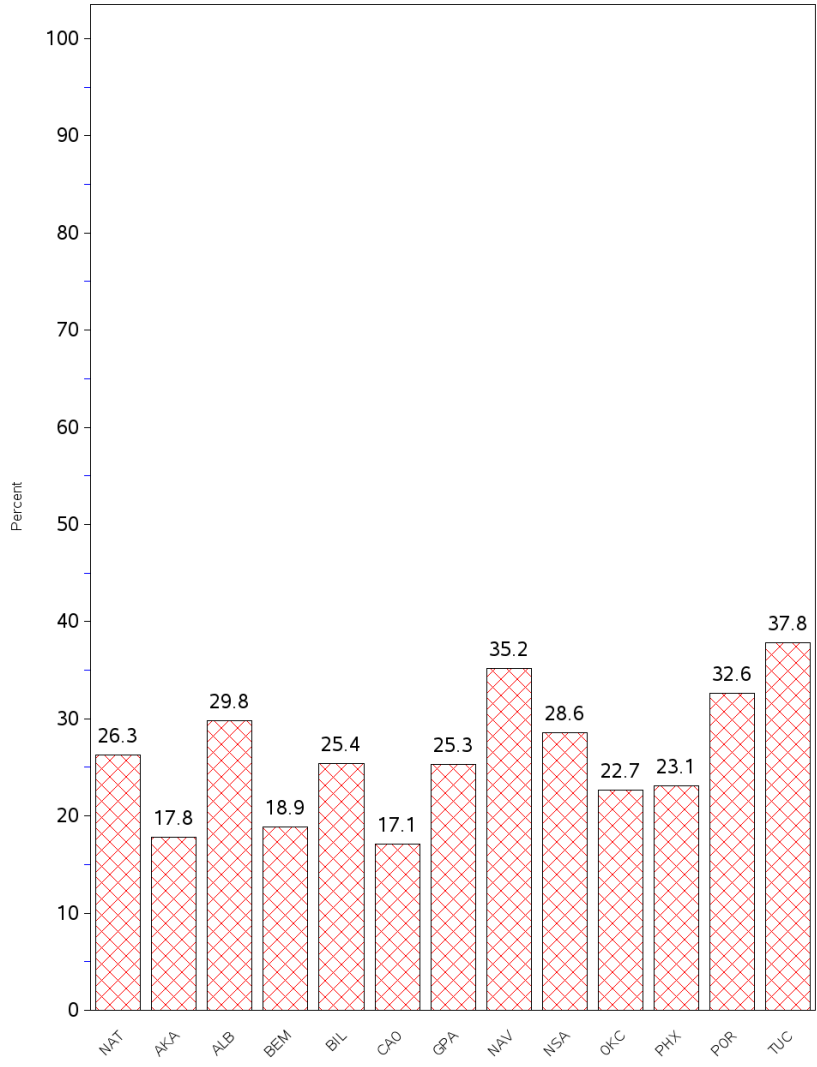
Doses are NOT deduplicated.

\*\* 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 12/02/2017



- 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	154	301
ALASKA	5	54
ALBUQUERQUE	12	20
BEMIDJI	6	12
BILLINGS	11	21
CALIFORNIA	20	36
GREAT PLAINS	17	33
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	19	26
PHOENIX	14	23
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.