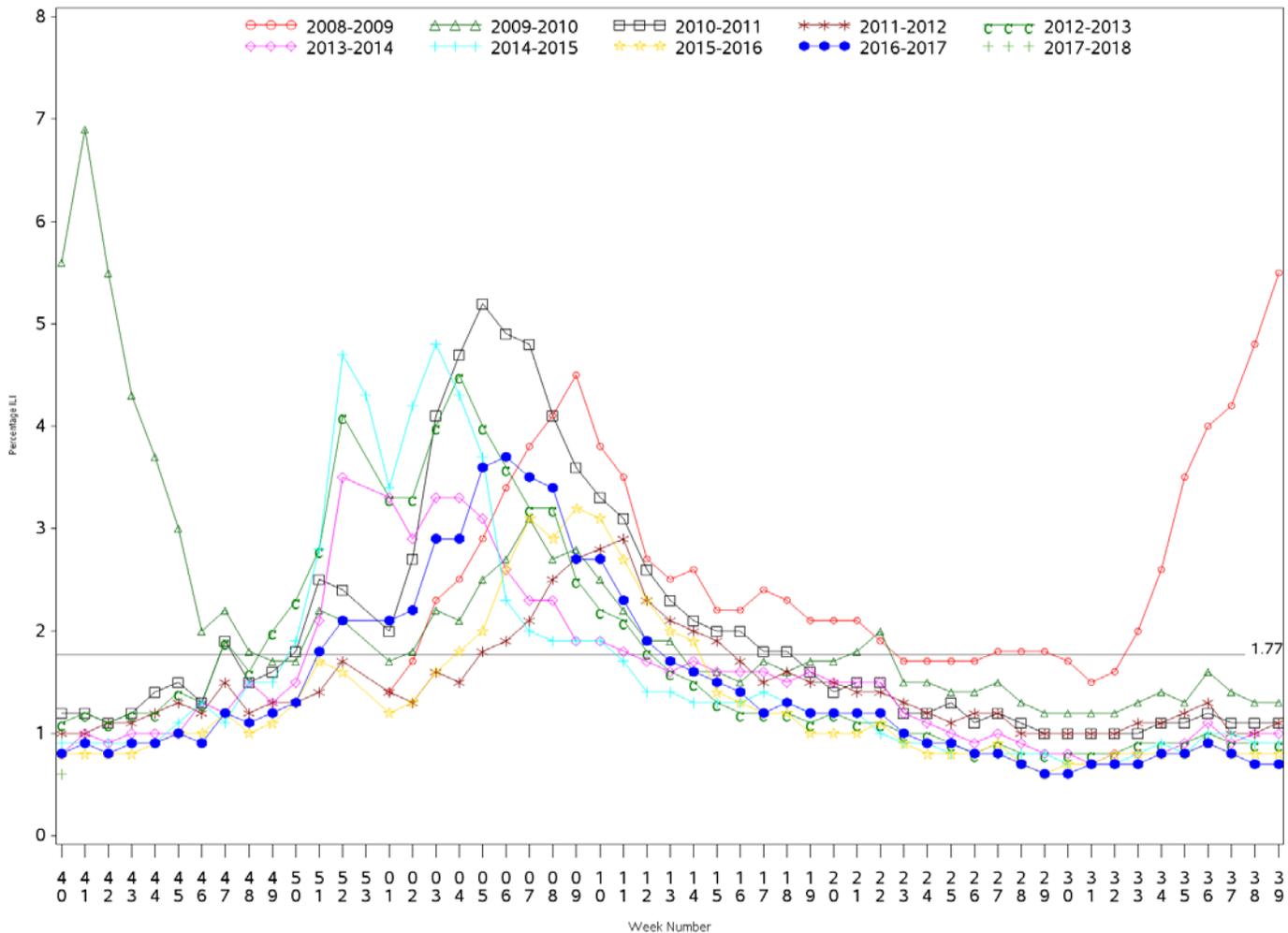




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 40: 10/01/2017 – 10/07/2017)**

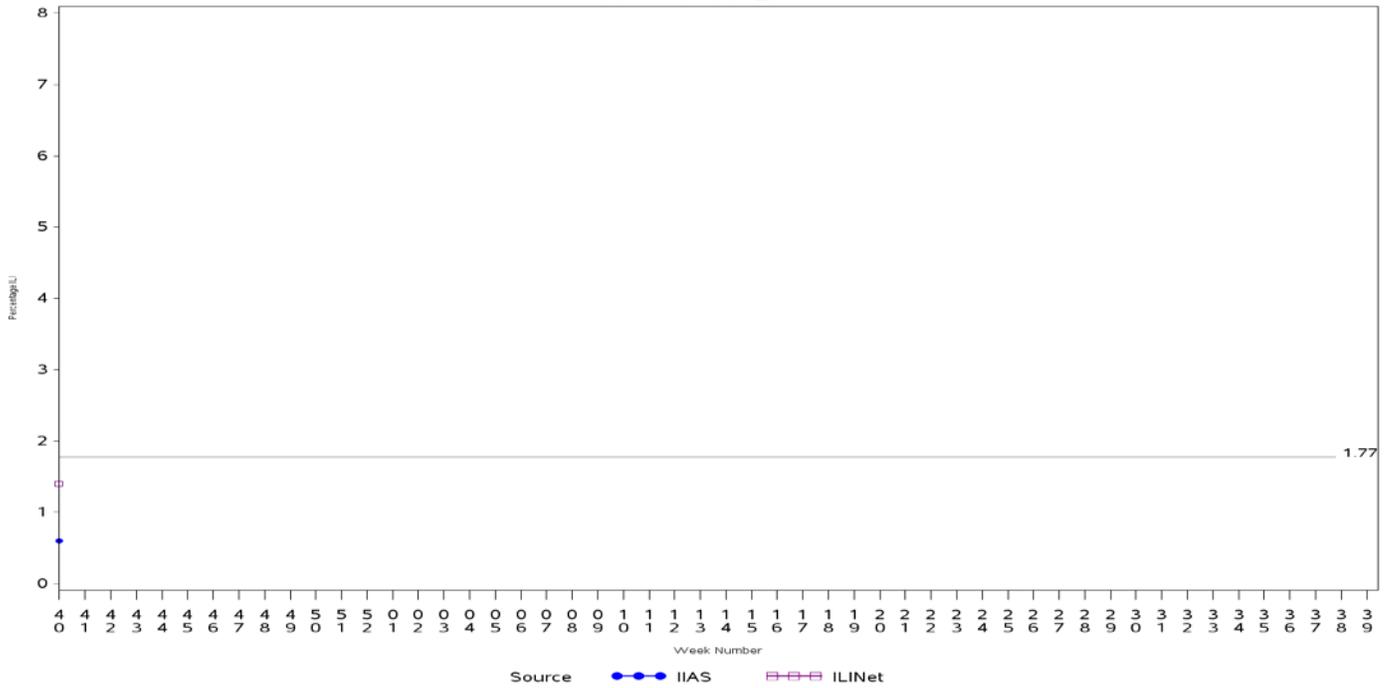
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.6%, below the IHS baseline of 1.77%
  - Two IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also low, below the ILINet baseline
  - CDC's ILINet ILI activity is 1.4%, below the ILINet baseline (2.2%) and below the IHS baseline (1.77%).
- To date, IHS has administered over 69,000 doses of influenza vaccine.
- Overall, 7.4% 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 10/07/2017



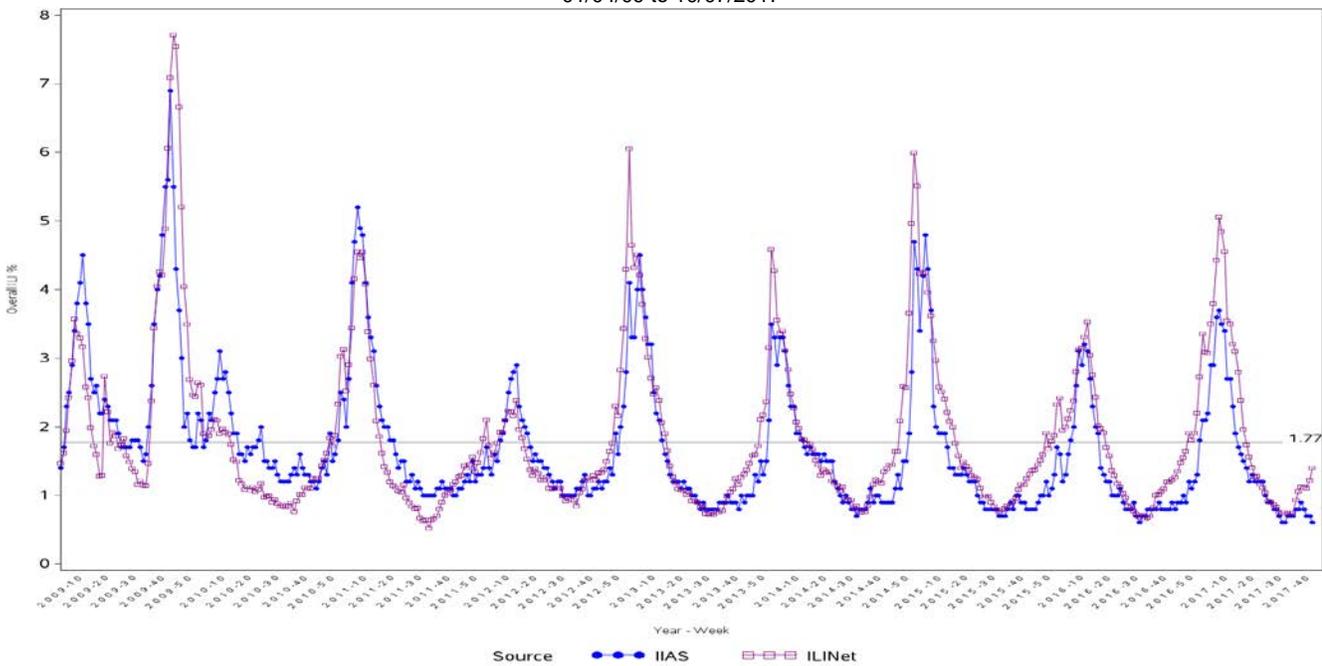
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2017 - 2018  
 IIAS vs. ILINet  
 10/01/17 to 10/07/2017



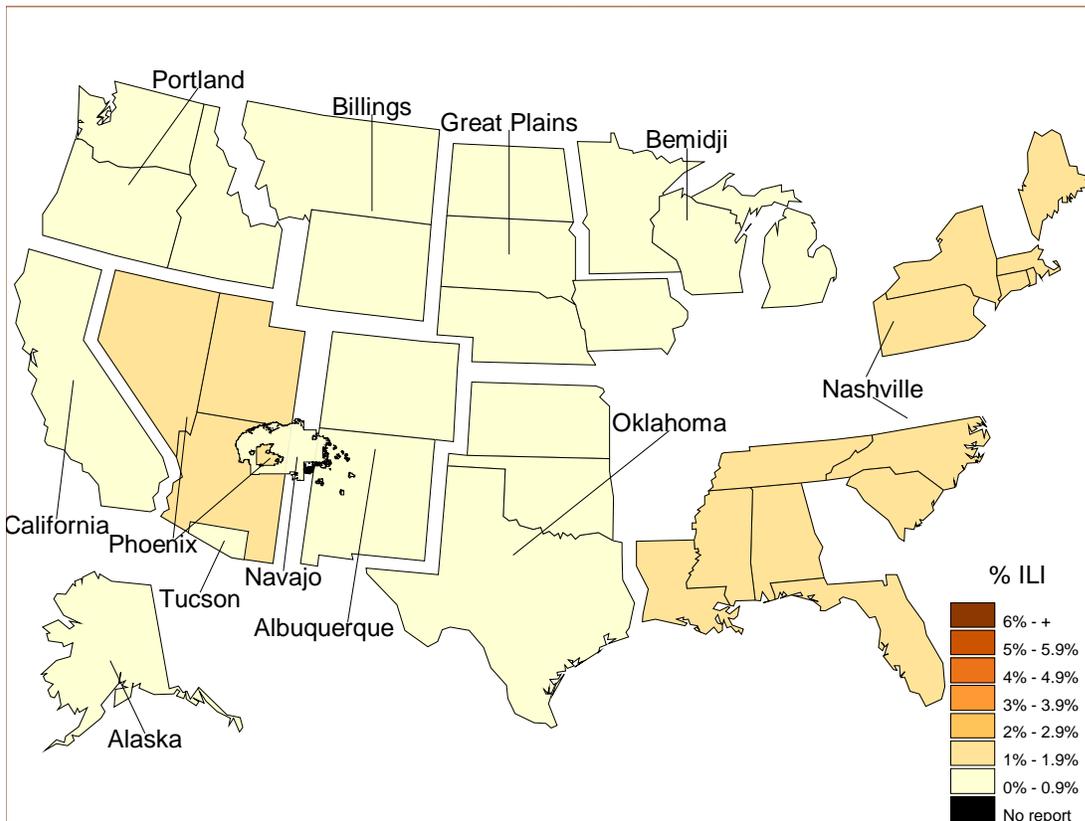
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 10/07/2017



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 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: 40



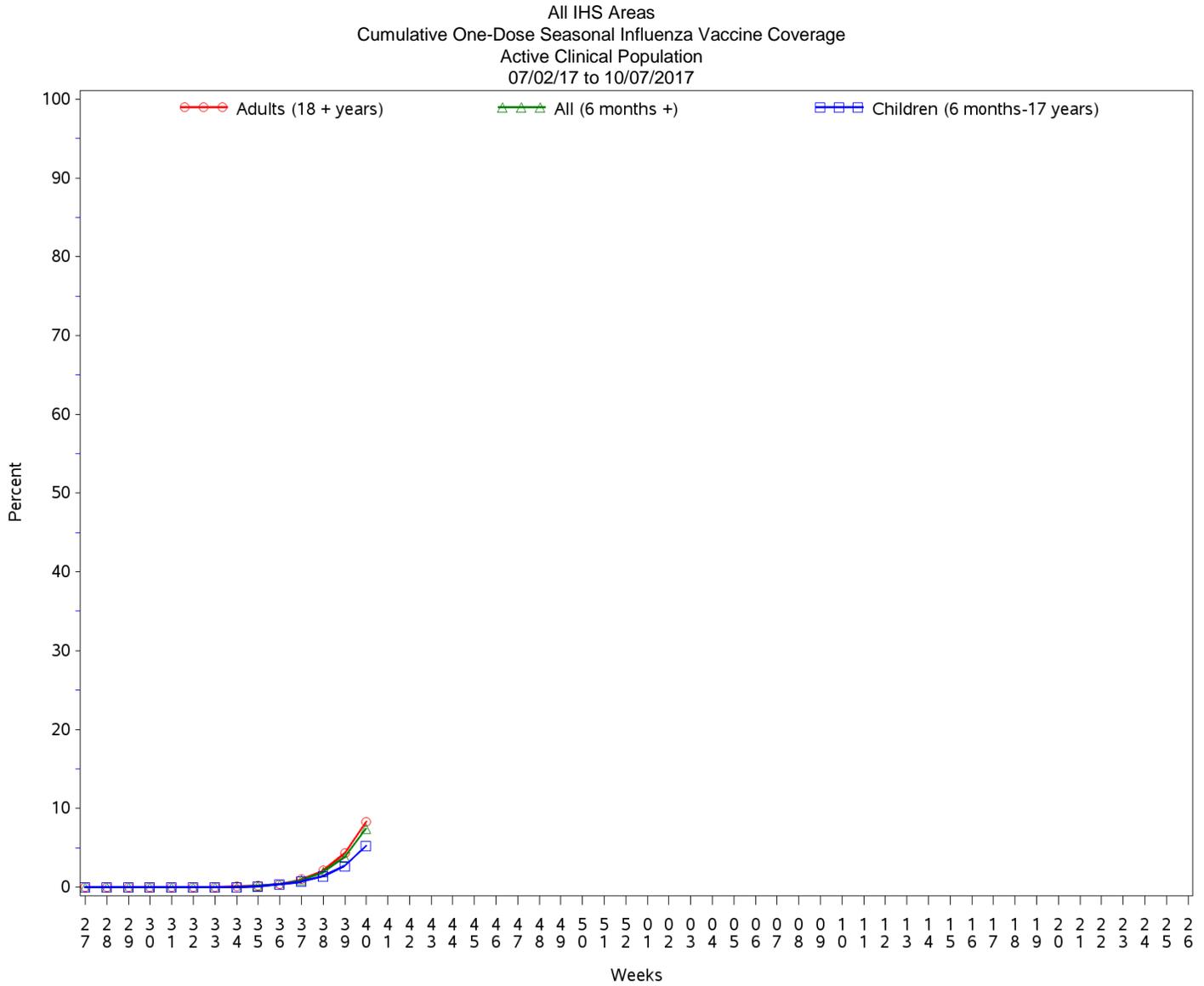
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 39	% in Week 40
NATIONAL	0.7	0.6
ALASKA	1.2	0.8
ALBUQUERQUE	0.4	0.4
BEMIDJI	0.6	0.5
BILLINGS	0.5	0.6
CALIFORNIA	0.4	0.3
GREAT PLAINS	0.7	0.7
NASHVILLE	1.4	1.3
NAVAJO	0.8	0.6
OKLAHOMA	0.5	0.4
PHOENIX	0.8	1.0
PORTLAND	0.2	0.6
TUCSON	0.5	0.7

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

## IHS Influenza Vaccination Surveillance

- As of 10/07/2017, sites reporting to the IIAS have administered 69,820 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	4,191	9	0.2	0	0.0	9
6 - 23 months	20,894	1,837	8.8	11	0.1	1,850
2 - 4 years	51,501	2,488	4.8	1	0.0	2,495
5 - 17 years	196,180	9,655	4.9	16	0.0	9,696
18 - 49 years	401,920	23,282	5.8	101	0.0	23,452
50 - 64 years	169,219	17,706	10.5	51	0.0	17,804
65 + years	99,818	14,381	14.4	61	0.1	14,523
Children (6 months-17 years)	268,575	13,980	5.2	28	0.0	14,041
Adults (18 + years)	670,957	55,369	8.3	213	0.0	55,779
All (6 months +)	939,532	69,349	7.4	241	0.0	69,820

\* 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-LAIV4	CVX 150 FLU-IIV4pf	CVX 155 FLU-RIV3	CVX 158 FLU-IIV4	CVX 161 IIV4pf ped	CVX 166 FLU-DERM 4	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	0	15	96	1	23	0	1,427	0	558	77	0	0	12	0	0	0	0	7	2,216
ALB	0	58	515	11	332	0	1,973	2	1,672	98	121	0	3	4	0	0	0	14	4,803
BEM	0	51	178	3	147	0	1,465	1	1,955	71	1	0	0	24	0	0	0	16	3,912
BIL	0	24	417	1	46	0	1,673	1	453	38	7	0	66	87	0	0	0	16	2,829
CAO	0	286	652	7	456	0	1,866	0	1,451	58	16	0	295	0	0	0	0	57	5,144
GPA	1	108	633	2	287	1	4,323	1	2,199	327	1	1	51	12	1	0	0	17	7,965
NSA	0	58	127	8	187	0	737	1	1,689	52	58	0	47	1	1	0	0	29	2,995
NAV	1	77	679	3	476	0	4,425	1	9,636	277	33	0	3	11	4	0	0	51	15,677
OKC	2	747	899	3	698	1	1,778	2	4,590	151	182	0	86	3	2	0	0	13	9,157
PHX	0	290	647	1	217	0	4,090	1	2,662	144	0	1	3	0	0	0	0	45	8,101
POR	0	127	507	112	193	0	2,220	7	2,150	114	170	29	208	64	0	0	0	39	5,940
TUC	0	18	10	7	0	0	1,047	0	51	5	0	0	0	0	0	0	0	4	1,142
	4	1,859	5,360	159	3,062	2	27,024	17	29,066	1,412	589	31	774	206	8	0	0	308	69,881

\* 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.

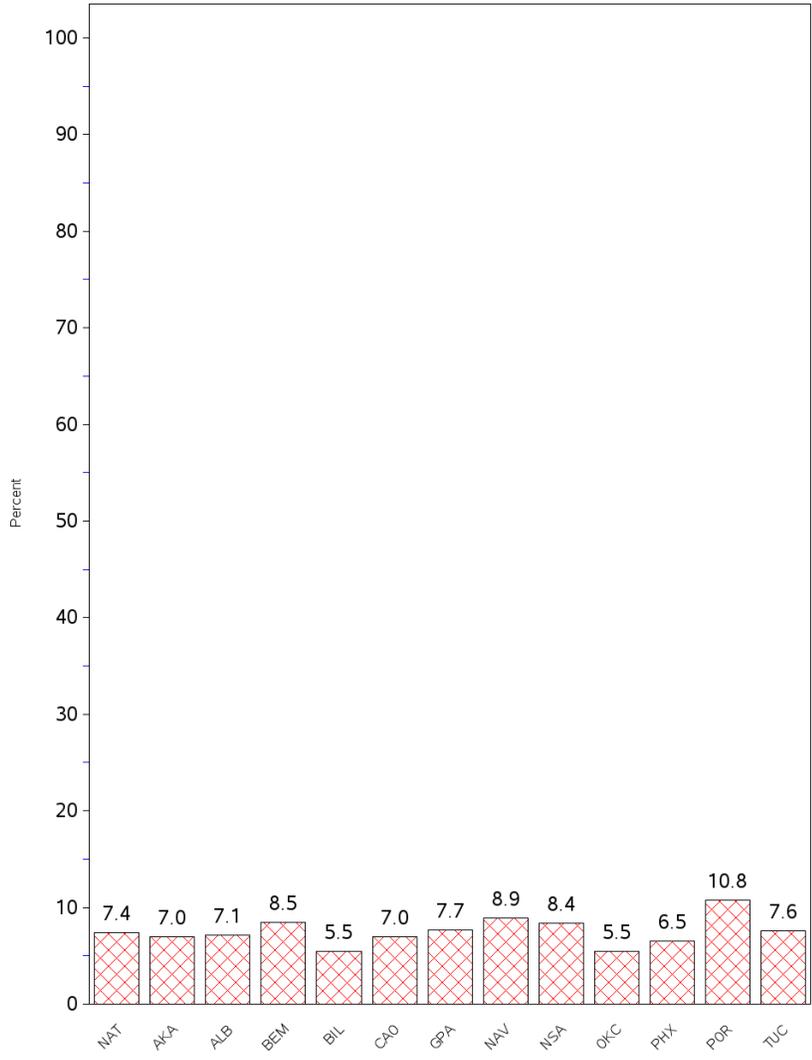
Doses are NOT deduplicated.

\*\* 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 mons+)  
%Seasonal Flu (At least 1 dose) for Active Clinical Population  
07/02/17 to 10/07/2017



- 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	165	332
ALASKA	5	53
ALBUQUERQUE	12	20
BEMIDJI	15	30
BILLINGS	11	22
CALIFORNIA	21	37
GREAT PLAINS	18	35
NASHVILLE	20	25
NAVAJO	8	23
OKLAHOMA	19	34
PHOENIX	14	24
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.