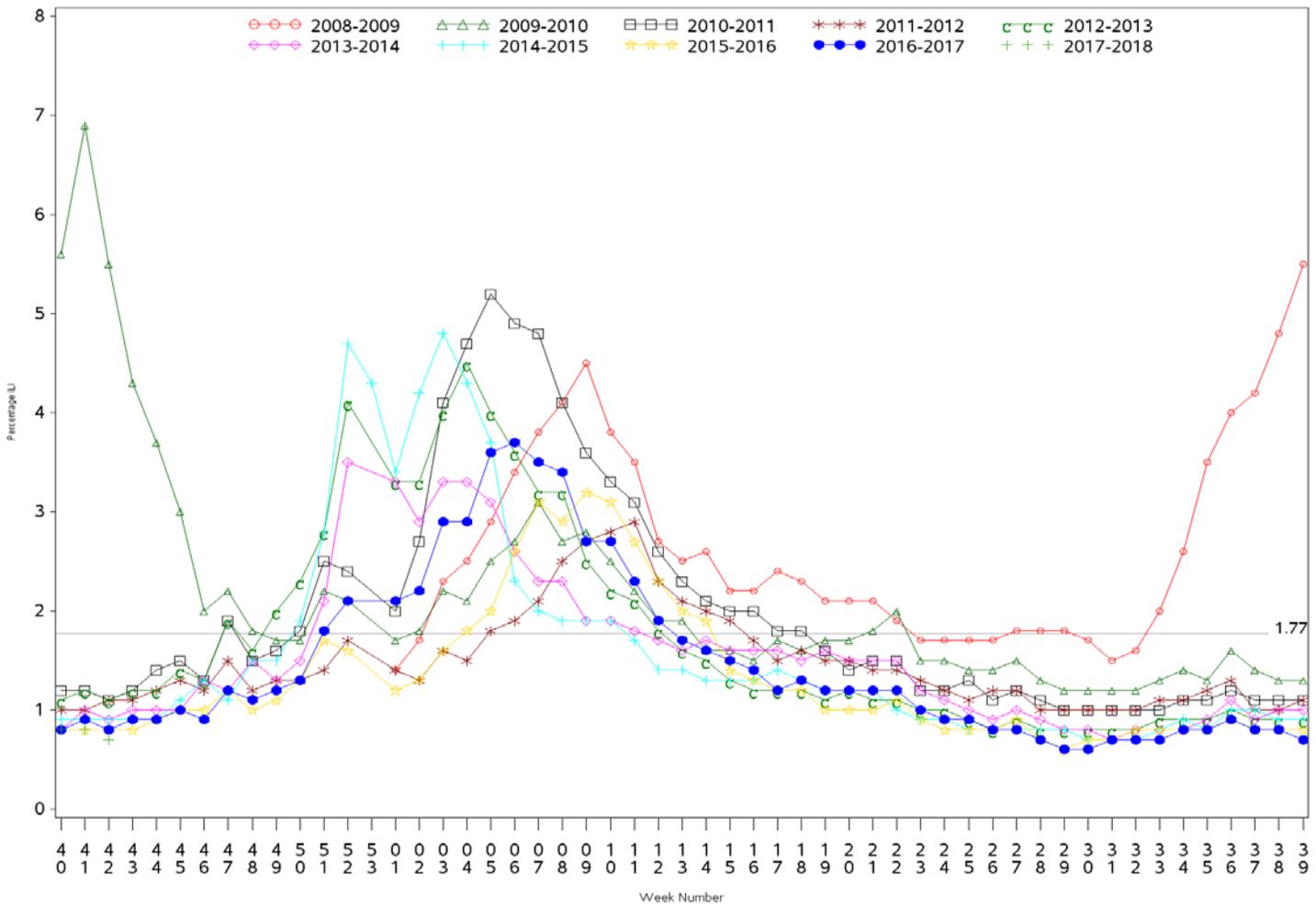




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 42: 10/15/2017 – 10/21/2017)**

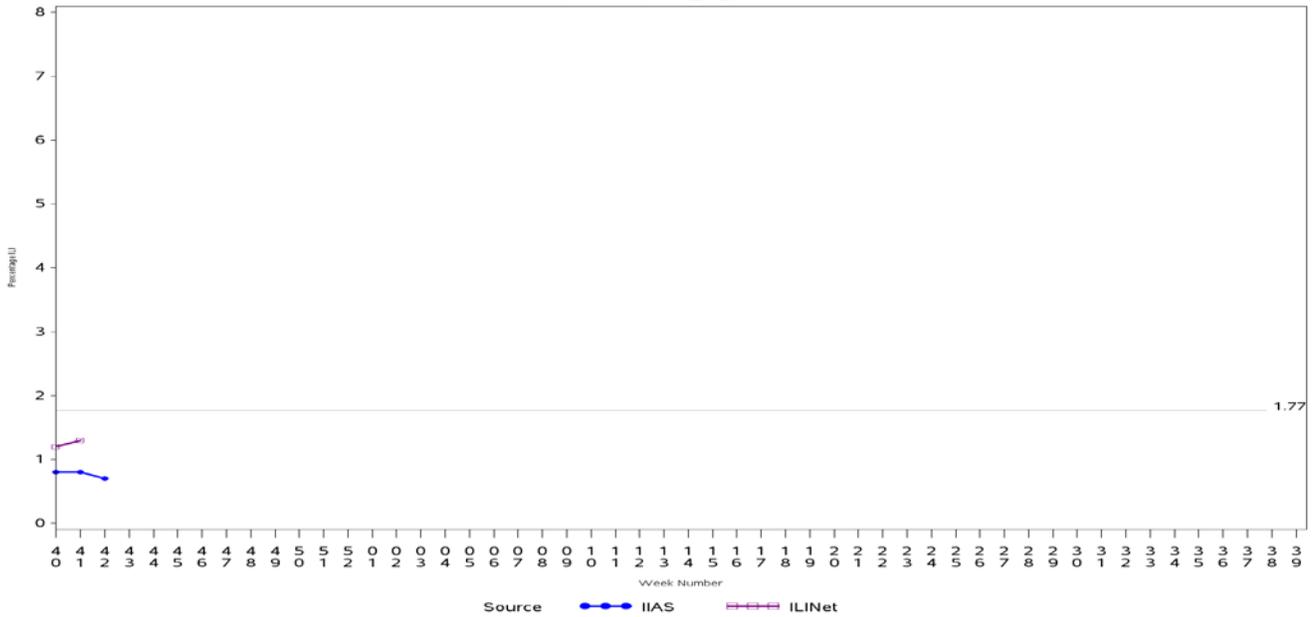
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.7%, below the IHS baseline of 1.77%
  - Three IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also low, below the ILINet baseline
  - CDC's ILINet ILI activity is 1.3%, below the ILINet baseline (2.2%) and below the IHS baseline (1.77%).
- To date, IHS has administered over 139,000 doses of influenza vaccine.
- Overall, 14.8% 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 10/21/2017



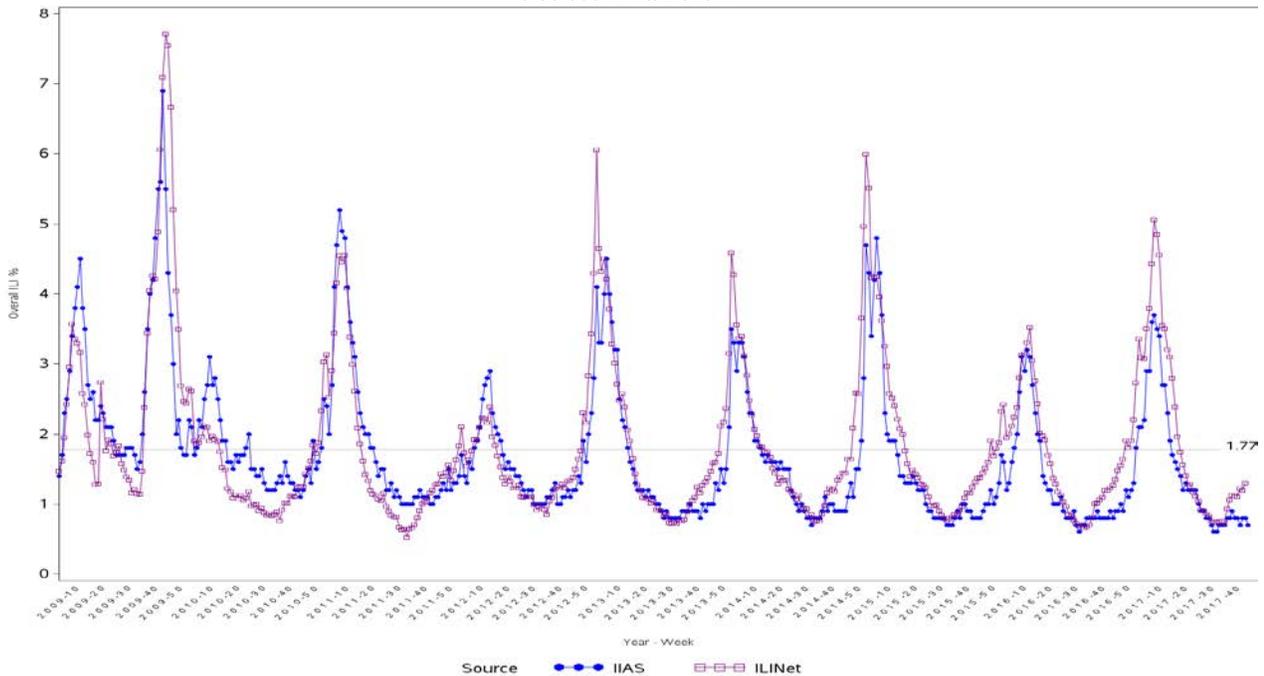
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2017 - 2018  
 IIAS vs. ILINet  
 10/01/17 to 10/21/2017



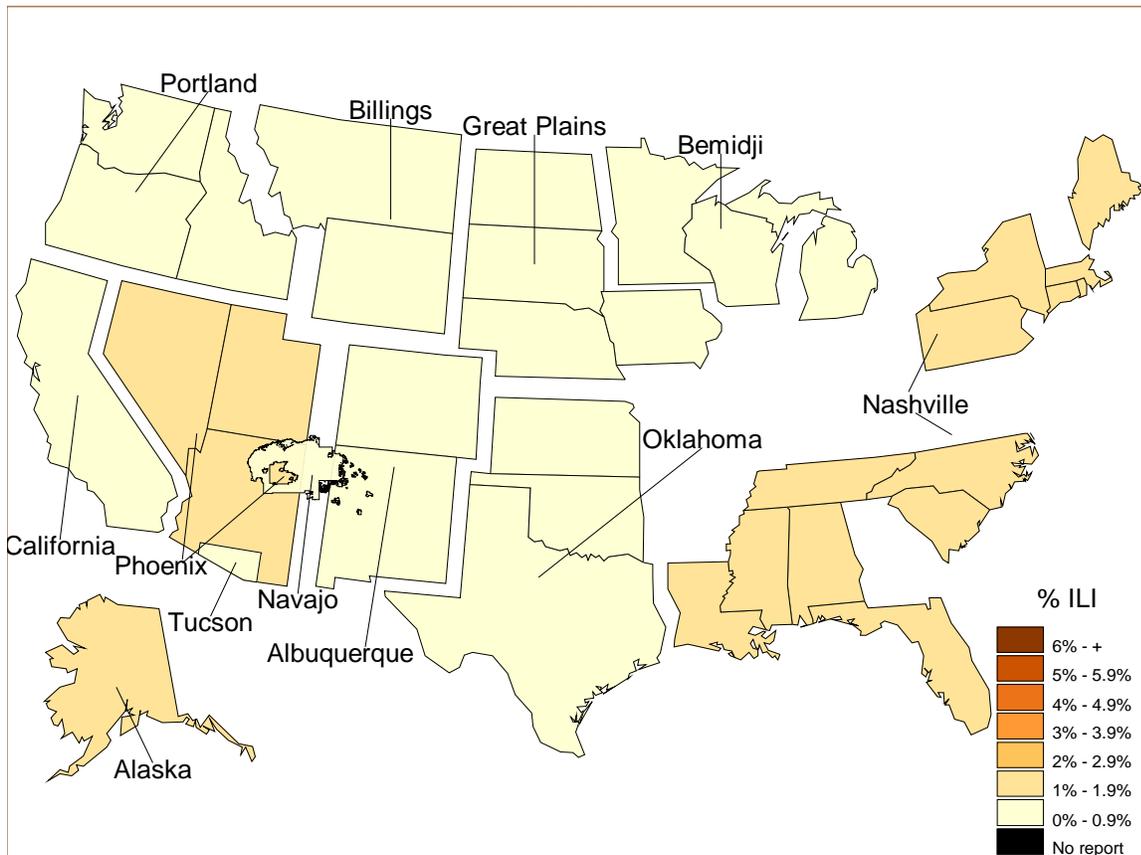
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 10/21/2017



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: 42



% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 41	% in Week 42
NATIONAL	0.8	0.7
ALASKA	1.5	1.0
ALBUQUERQUE	0.4	0.4
BEMIDJI	0.9	0.9
BILLINGS	0.8	0.7
CALIFORNIA	0.4	0.3
GREAT PLAINS	0.8	0.8
NASHVILLE	1.4	1.3
NAVAJO	0.7	0.7
OKLAHOMA	0.6	0.4
PHOENIX	1.0	1.1
PORTLAND	0.3	0.6
TUCSON	0.5	0.7

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



## 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	14	0.3	0	0.0	14
6 - 23 months	20,894	3,589	17.2	67	0.3	3,660
2 - 4 years	51,502	5,358	10.4	13	0.0	5,380
5 - 17 years	196,185	25,098	12.8	47	0.0	25,206
18 - 49 years	402,012	45,471	11.3	181	0.0	45,779
50 - 64 years	169,261	33,387	19.7	111	0.1	33,581
65 + years	99,840	25,988	26.0	119	0.1	26,243
Children (6 months-17 years)	268,581	34,045	12.7	127	0.0	34,246
Adults (18 + years)	671,113	104,846	15.6	411	0.1	105,603
All (6 months +)	939,694	138,891	14.8	538	0.1	139,849

\* 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	165	2	51	0	2,417	0	676	136	0	0	21	0	0	0	0	18	3,509
ALB	0	114	987	31	605	0	4,498	10	3,164	256	451	0	4	24	4	0	0	27	10,175
BEM	1	68	290	3	234	0	2,537	1	3,032	114	2	0	0	28	0	0	0	31	6,341
BIL	0	37	809	1	77	0	4,498	1	1,003	122	97	0	98	139	0	0	0	29	6,911
CAO	0	310	952	15	743	0	3,086	1	2,171	132	20	0	387	0	0	0	0	105	7,922
GPA	1	162	969	2	676	1	8,434	2	4,492	607	2	2	69	19	2	0	0	46	15,486
NSA	0	81	219	9	243	0	2,263	1	3,045	93	219	1	60	2	1	0	0	96	6,333
NAV	4	136	1,033	4	889	0	10,870	3	18,902	601	241	0	7	26	7	0	0	69	32,792
OKC	3	1,097	1,743	4	1,282	1	4,963	5	9,866	634	273	0	401	6	29	0	0	25	20,332
PHX	0	472	1,047	2	316	0	8,910	5	5,651	263	2	1	7	2	0	0	0	62	16,740
POR	2	186	892	170	281	0	3,878	10	4,381	221	438	43	427	125	1	0	0	66	11,121
TUC	0	23	13	10	0	0	2,230	0	58	9	0	0	0	0	0	0	0	18	2,361
	<b>12</b>	<b>2,708</b>	<b>9,119</b>	<b>253</b>	<b>5,397</b>	<b>2</b>	<b>58,584</b>	<b>39</b>	<b>56,441</b>	<b>3,188</b>	<b>1,745</b>	<b>47</b>	<b>1,481</b>	<b>371</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>592</b>	<b>140,023</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.

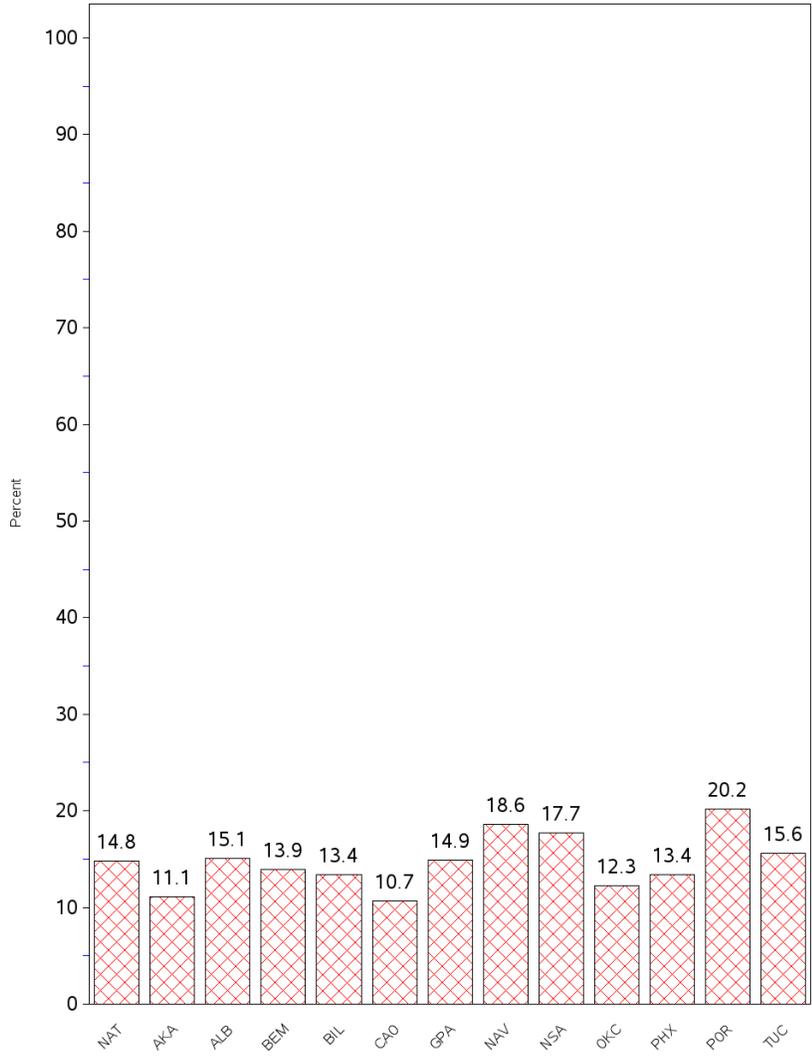
Doses are NOT deduplicated.

\*\* 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  
07/02/17 to 10/21/2017



- 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	160	314
ALASKA	5	52
ALBUQUERQUE	12	21
BEMIDJI	11	21
BILLINGS	11	21
CALIFORNIA	20	37
GREAT PLAINS	18	36
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	19	27
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.