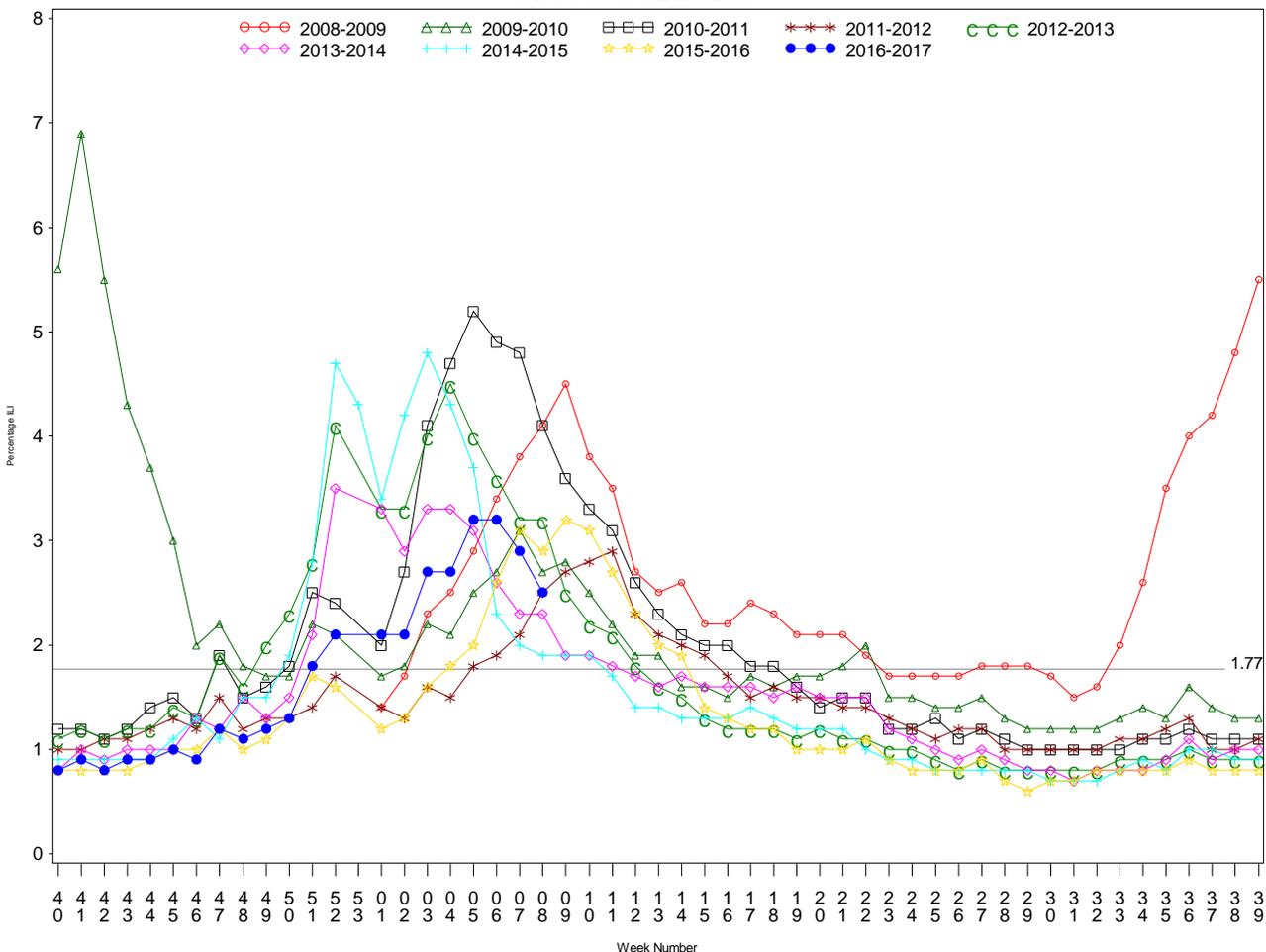




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 8: 02/19/2017 – 02/25/2017)**

- Influenza-like-illness (ILI) activity in IHS is decreasing, but remains elevated at 2.5%, above the IHS baseline of 1.77%
  - The majority of 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 4.8%, above the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 334,000 doses of influenza vaccine.
- Overall, 33% of the IHS Active Clinical population received an influenza vaccine this season.

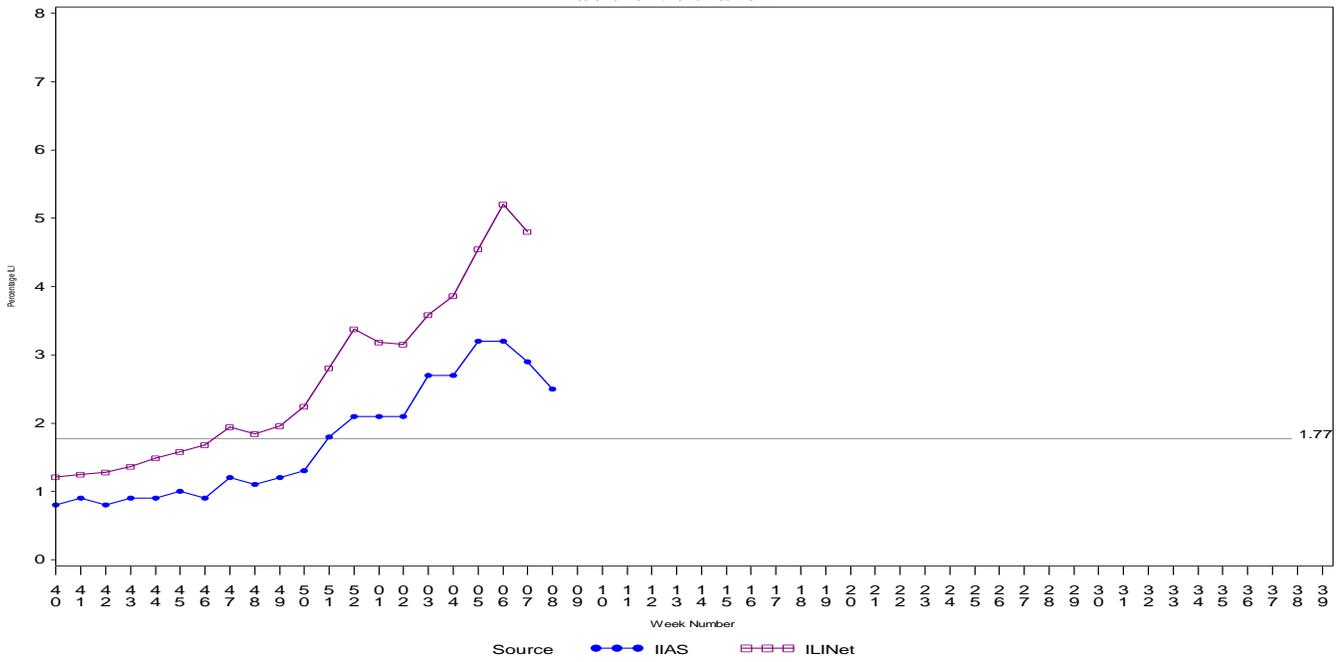
All IHS Areas  
 Influenza-Like Illness (ILI) for All Surveillance Years  
 Percentage of Visits for ILI per week  
 01/04/09 to 02/25/2017



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.

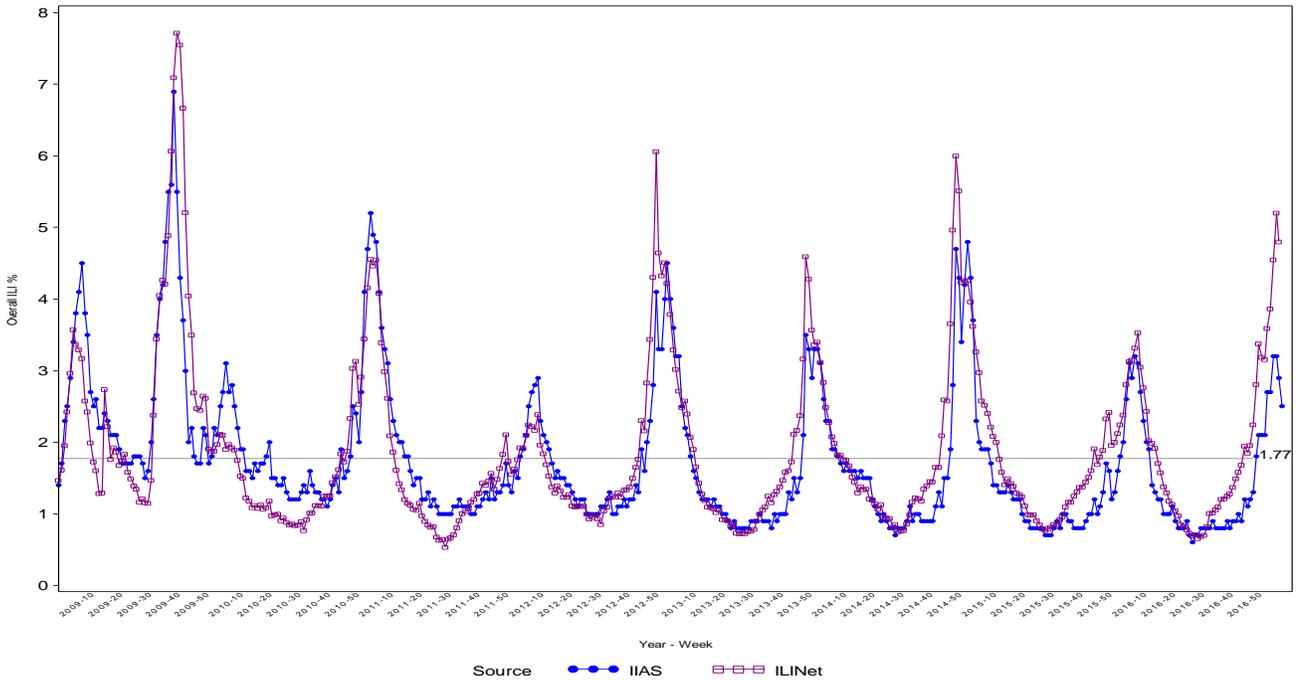
Percentage of Outpatient Visits for Influenza-Like Illness (ILI)

Percent ILI for Flu Year 2016 - 2017  
 IIAS vs. ILINet  
 10/02/16 to 02/25/2017



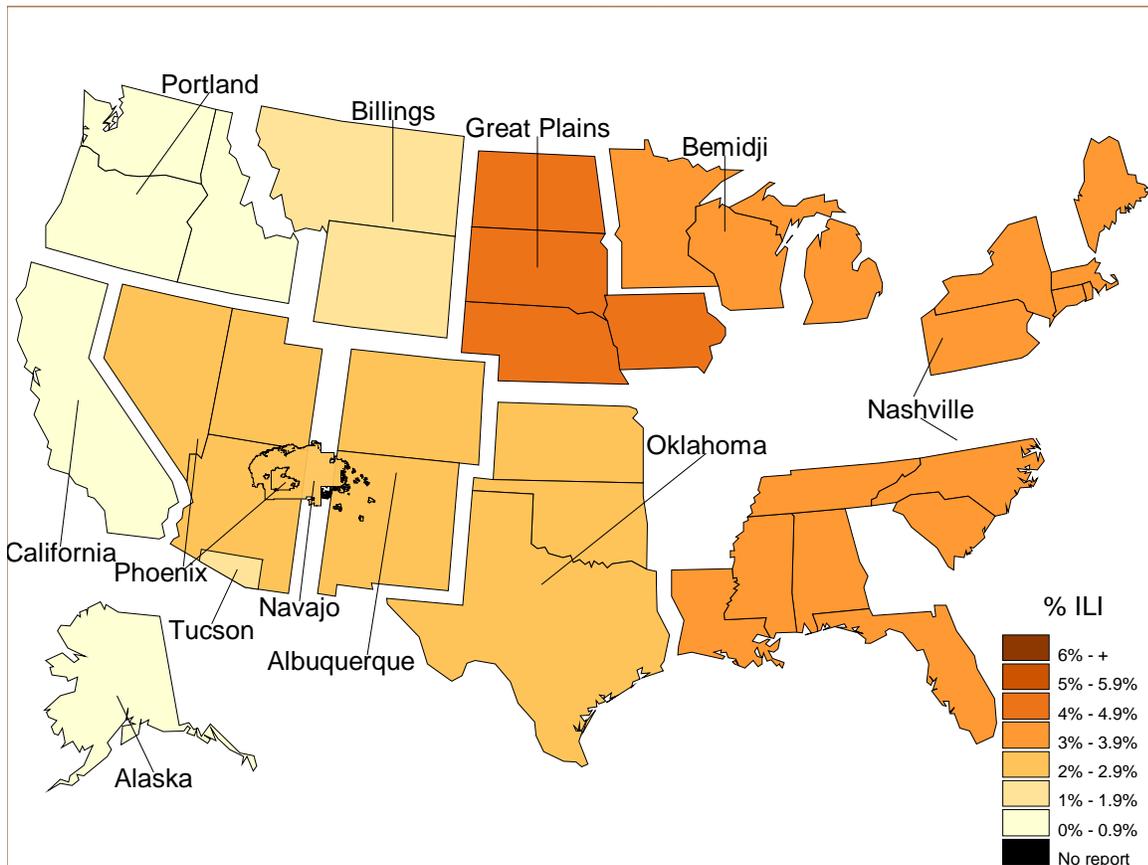
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 02/25/2017



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: 8



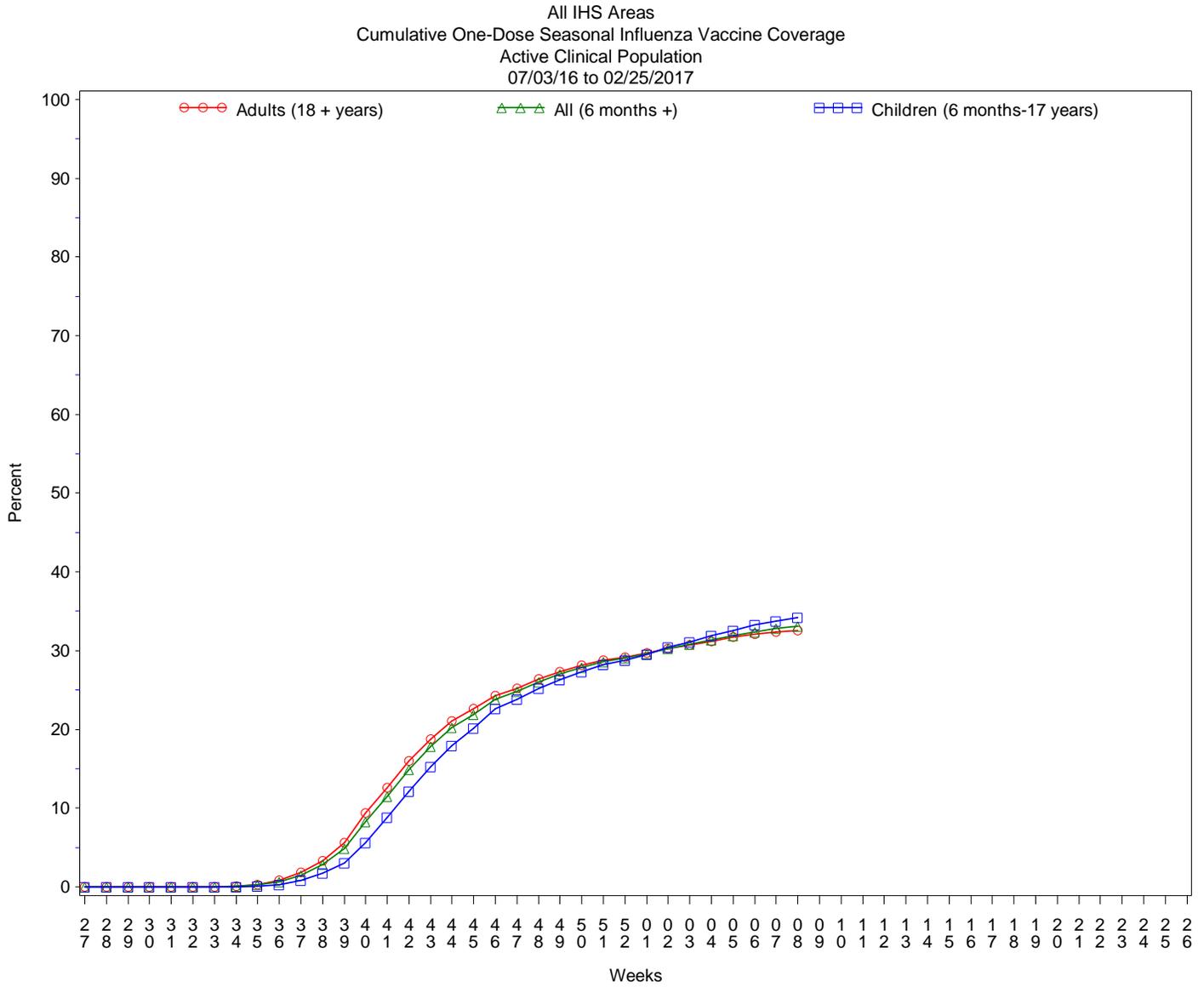
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 7	% in Week 8
NATIONAL	2.9	2.5
ALASKA	1.4	0.7
ALBUQUERQUE	2.7	2.2
BEMIDJI	3.1	3.1
BILLINGS	2.6	1.8
CALIFORNIA	0.8	0.9
GREAT PLAINS	5.1	4.6
NASHVILLE	3.6	3.9
NAVAJO	3.5	2.5
OKLAHOMA	3.4	2.4
PHOENIX	1.9	2.2
PORTLAND	0.9	0.7
TUCSON	1.5	1.7

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

## IHS Influenza Vaccination Surveillance

- As of 02/25/2017, sites reporting to the IIAS have administered 334,373 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	4,663	53	1.1	0	0.0	54
6 - 23 months	22,502	13,226	58.8	3,621	16.1	16,943
2 - 4 years	55,073	16,864	30.6	547	1.0	17,531
5 - 17 years	207,030	67,259	32.5	478	0.2	68,225
18 - 49 years	421,372	108,772	25.8	638	0.2	110,361
50 - 64 years	176,155	70,904	40.3	467	0.3	72,054
65 + years	101,275	48,369	47.8	393	0.4	49,259
Children (6 months-17 years)	284,605	97,349	34.2	4,646	1.6	102,699
Adults (18 + years)	698,802	228,045	32.6	1,498	0.2	231,674
All (6 months +)	983,407	325,394	33.1	6,144	0.6	334,373

\* 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**	CVX 111 FLU-LAIV3	CVX 135 FLU-HIGH	CVX 140 FLU-IIV3pf	CVX 141 FLU-IIV3	CVX 144 FLU-DER MAL	CVX 149 FLU-LAIV 4	CVX 150 FLU-IIV4pf	CV X 153 FLU - ccII V3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Proc 99.5 2 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	4	310	0	479	43	615	1	0	6454	1	2	3914	611	22	0	0	83	12539
ALB	1	212	0	1317	608	11246	1	0	5199	0	6	2199	802	1	0	0	93	21685
BEM	294	118	0	451	28	2918	0	2	4231	12	4	3693	416	47	0	2	262	12478
BIL	5	269	0	1036	15	2331	0	0	11729	0	2	1749	1133	167	0	0	131	18567
CAO	19	220	0	1418	32	3032	1	7	8773	0	2	5798	1779	60	0	2	134	21277
GPA	3	511	0	1092	161	13245	0	0	13252	12	26	5906	1357	9	0	0	103	35677
NSA	254	360	0	356	142	5829	239	0	4281	4	20	356	219	348	0	0	140	12548
NAV	30	407	1	1860	28	10614	9	0	14177	1	2	47019	3198	1080	0	0	218	78644
OKC	274	2494	1	2502	14	29844	7	1	9996	1	18	3030	1696	553	0	0	235	50666
PHX	3	577	0	1573	100	11599	28	0	22842	0	20	754	2969	2	0	0	248	40715
POR	10	456	1	806	1320	8488	13	1	5658	29	26	3646	420	1302	0	0	894	23070
TUC	0	59	0	33	29	11	0	0	6944	1	0	46	562	0	0	0	43	7728
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	<b>897</b>	<b>5995</b>	<b>3</b>	<b>12923</b>	<b>2520</b>	<b>99772</b>	<b>299</b>	<b>11</b>	<b>113536</b>	<b>61</b>	<b>128</b>	<b>78110</b>	<b>15162</b>	<b>3591</b>	<b>0</b>	<b>4</b>	<b>2584</b>	<b>335596</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.

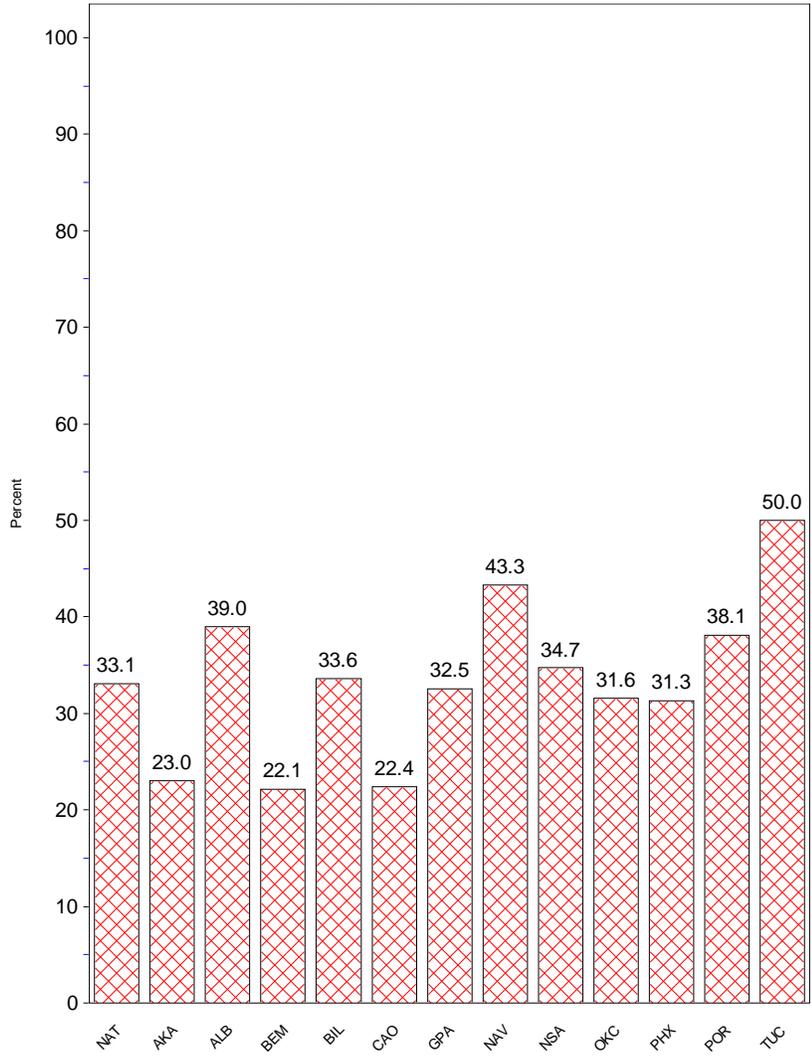
Doses are NOT deduplicated.

\*\* 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 02/25/2017



- 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	162	300
ALASKA	6	52
ALBUQUERQUE	12	17
BEMIDJI	6	14
BILLINGS	13	23
CALIFORNIA	23	34
GREAT PLAINS	18	35
NASHVILLE	20	24
NAVAJO	8	22
OKLAHOMA	18	22
PHOENIX	15	27
PORTLAND	22	26
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.