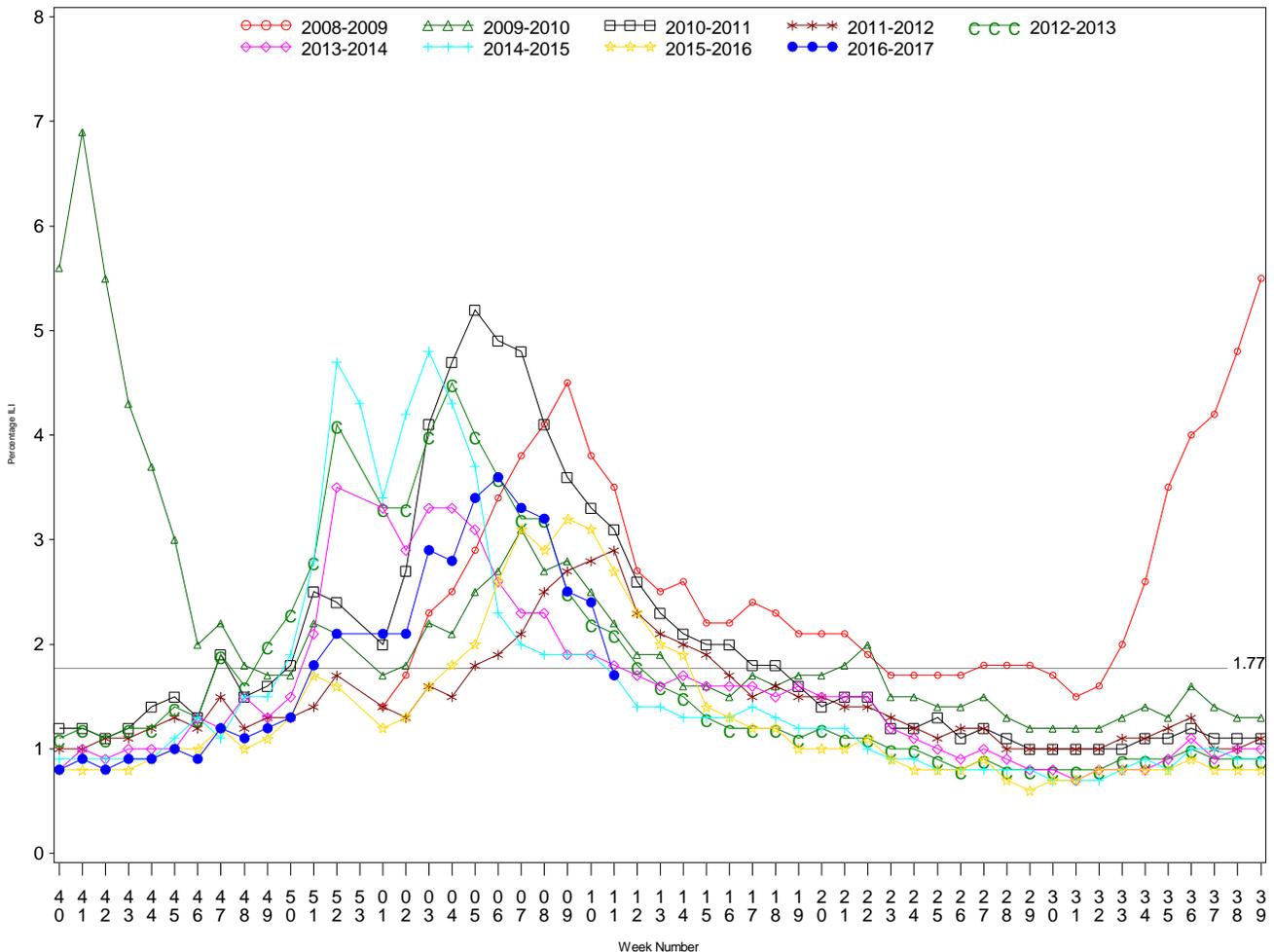




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 11: 03/12/2017 – 03/18/2017)**

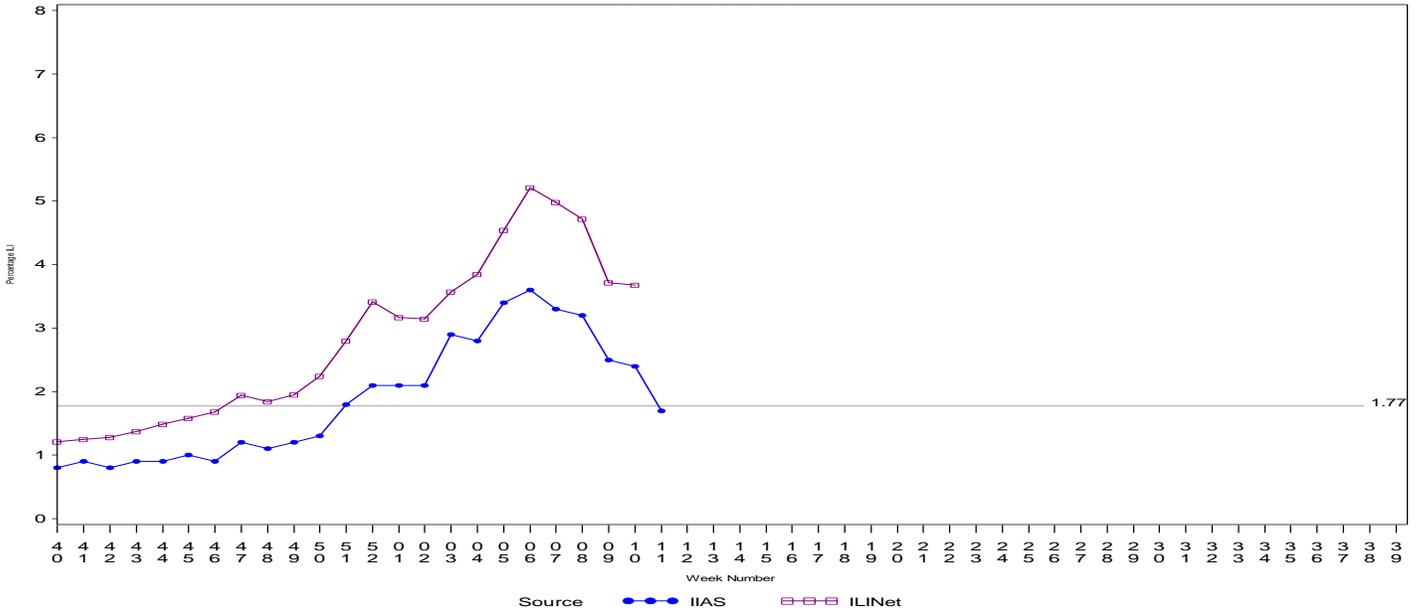
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.7%, below the IHS baseline of 1.77%
  - Three IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
  - CDC's ILINet ILI activity is 3.7%, above the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 345,000 doses of influenza vaccine.
- Overall, 34% 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 03/18/2017



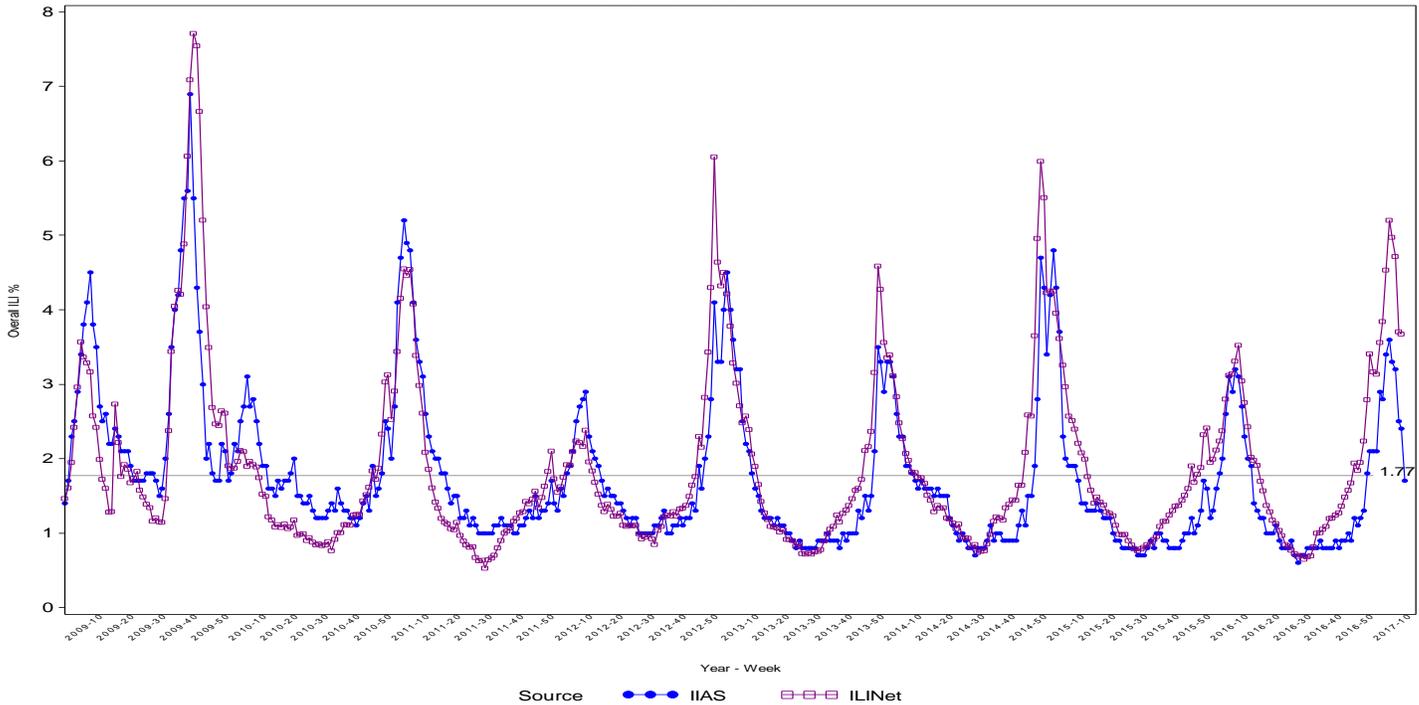
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2016 - 2017  
 IIAS vs. ILINet  
 10/02/16 to 03/18/2017



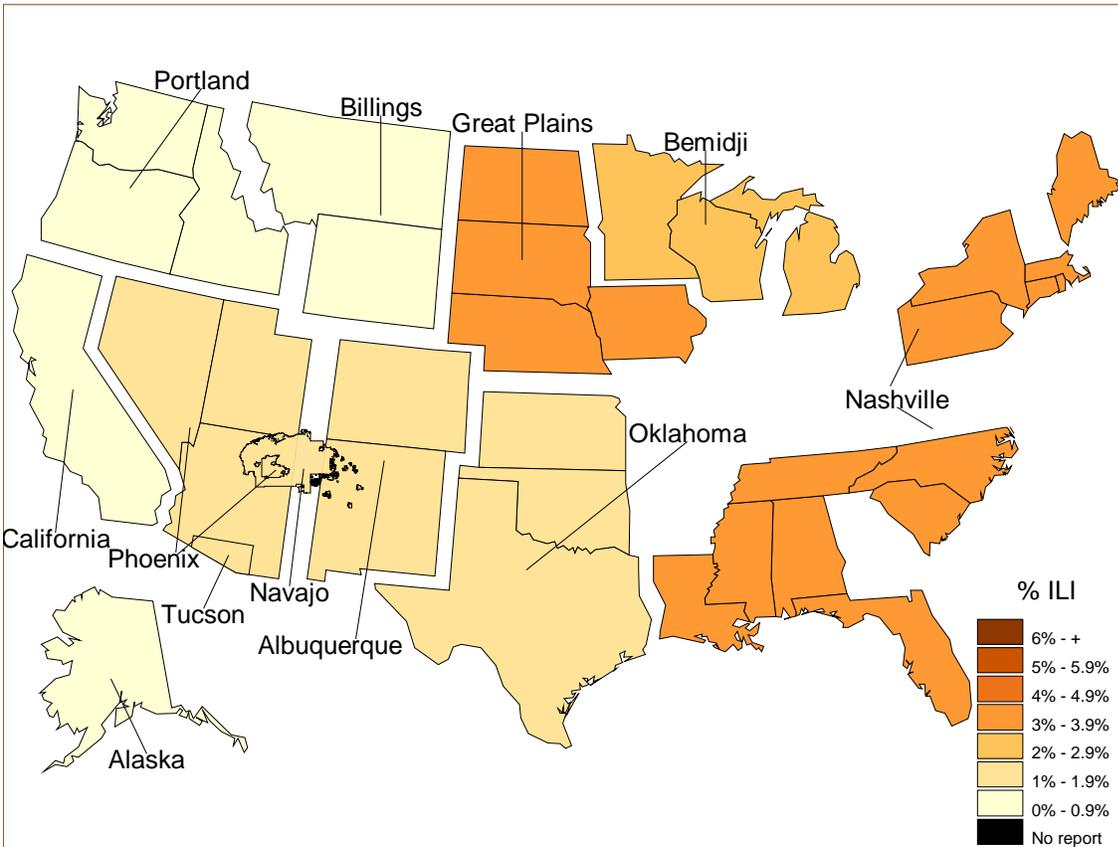
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 03/18/2017



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: 11



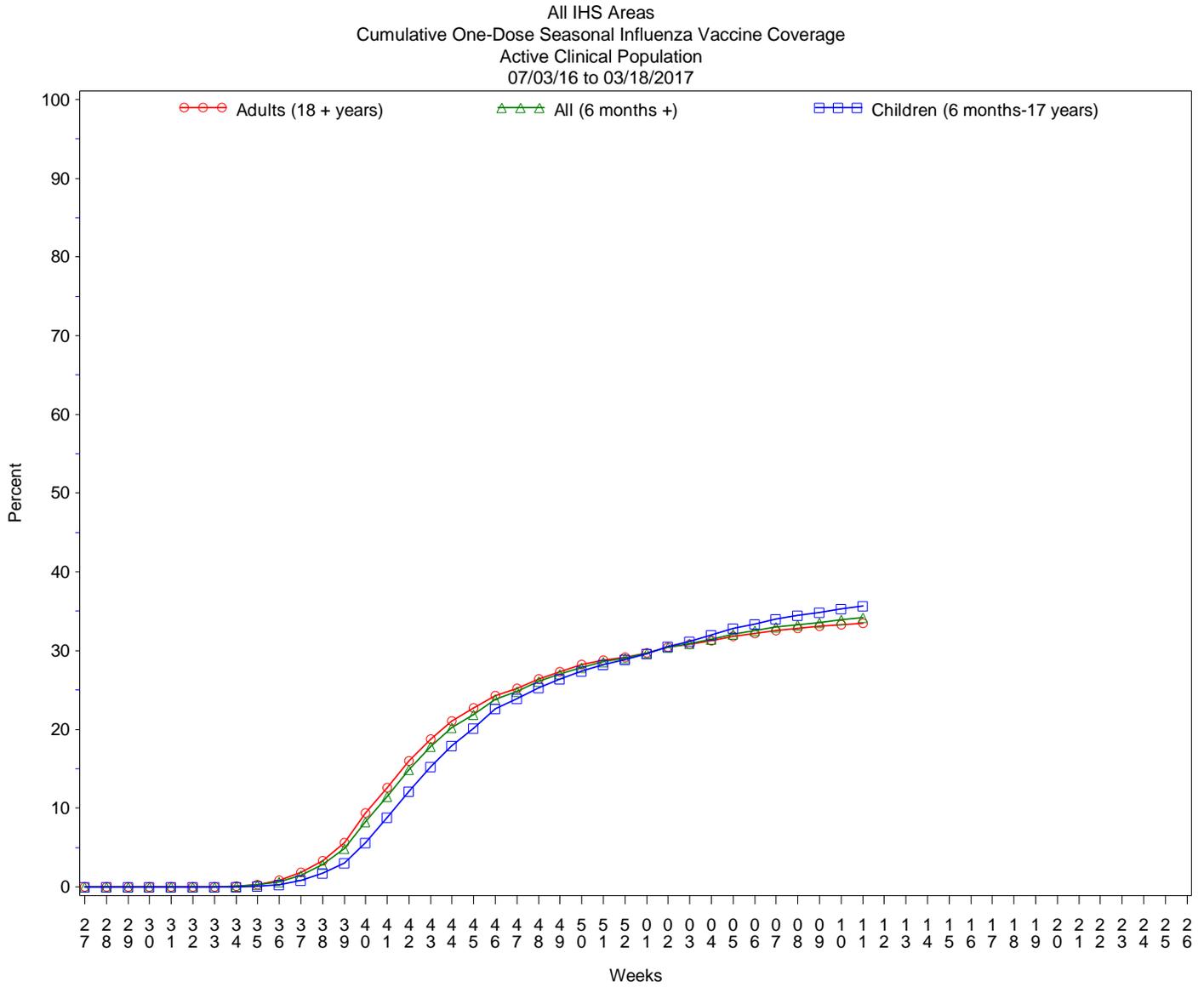
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 10	% in Week 11
NATIONAL	2.4	1.7
ALASKA	1.5	0.7
ALBUQUERQUE	1.9	1.1
BEMIDJI	2.5	2.7
BILLINGS	1.8	0.8
CALIFORNIA	0.7	0.8
GREAT PLAINS	4.1	3.4
NASHVILLE	4.7	3.7
NAVAJO	1.7	1.2
OKLAHOMA	2.7	1.4
PHOENIX	2.1	1.6
PORTLAND	0.8	0.9
TUCSON	2.1	1.2

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

## IHS Influenza Vaccination Surveillance

- As of 03/18/2017, sites reporting to the IIAS have administered 345,746 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	4,589	84	1.8	0	0.0	86
6 - 23 months	22,536	14,186	62.9	4,380	19.4	18,672
2 - 4 years	54,920	17,822	32.5	698	1.3	18,656
5 - 17 years	206,902	69,402	33.5	507	0.2	70,429
18 - 49 years	420,616	112,438	26.7	710	0.2	114,125
50 - 64 years	175,998	72,549	41.2	501	0.3	73,743
65 + years	101,504	49,202	48.5	418	0.4	50,121
Children (6 months-17 years)	284,358	101,410	35.7	5,585	2.0	107,757
Adults (18 + years)	698,118	234,189	33.5	1,629	0.2	237,989
All (6 months +)	982,476	335,599	34.2	7,214	0.7	345,746

\* 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**	CV X 111 FLU - LAI V3	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	329	0	486	43	629	1	0	6669	1	2	4081	667	22	0	0	86	13020
ALB	1	215	0	1332	623	11593	1	0	5366	0	7	2229	853	1	0	0	98	22319
BEM	298	124	0	456	28	3060	0	2	4369	18	4	3749	454	47	0	2	264	12875
BIL	5	279	0	1054	15	2374	0	0	12109	0	2	1796	1198	168	0	0	137	19137
CAO	19	229	0	1437	35	3073	1	8	8949	0	2	5963	1911	60	0	2	136	21825
GPA	4	530	0	1108	164	13671	0	0	13714	12	26	6102	1510	9	0	0	91	36941
NSA	254	361	0	357	158	5933	245	0	4367	4	20	356	267	348	0	0	148	12818
NAV	33	429	1	1897	29	10847	9	0	14541	2	2	48592	3381	1080	0	0	226	81069
OKC	286	2723	1	2524	16	30804	7	1	10535	1	19	3236	1834	556	0	0	240	52783
PHX	3	599	0	1606	106	12098	29	0	23586	0	22	841	3219	2	0	0	264	42375
POR	10	476	1	812	1331	8650	16	1	5887	29	26	3773	469	1349	0	0	905	23735
TUC	0	61	0	34	29	11	0	0	7299	1	0	51	632	0	0	0	43	8161
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	<b>917</b>	<b>6357</b>	<b>3</b>	<b>13103</b>	<b>2577</b>	<b>102743</b>	<b>309</b>	<b>12</b>	<b>117391</b>	<b>68</b>	<b>132</b>	<b>80769</b>	<b>16395</b>	<b>3642</b>	<b>0</b>	<b>4</b>	<b>2638</b>	<b>347060</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.

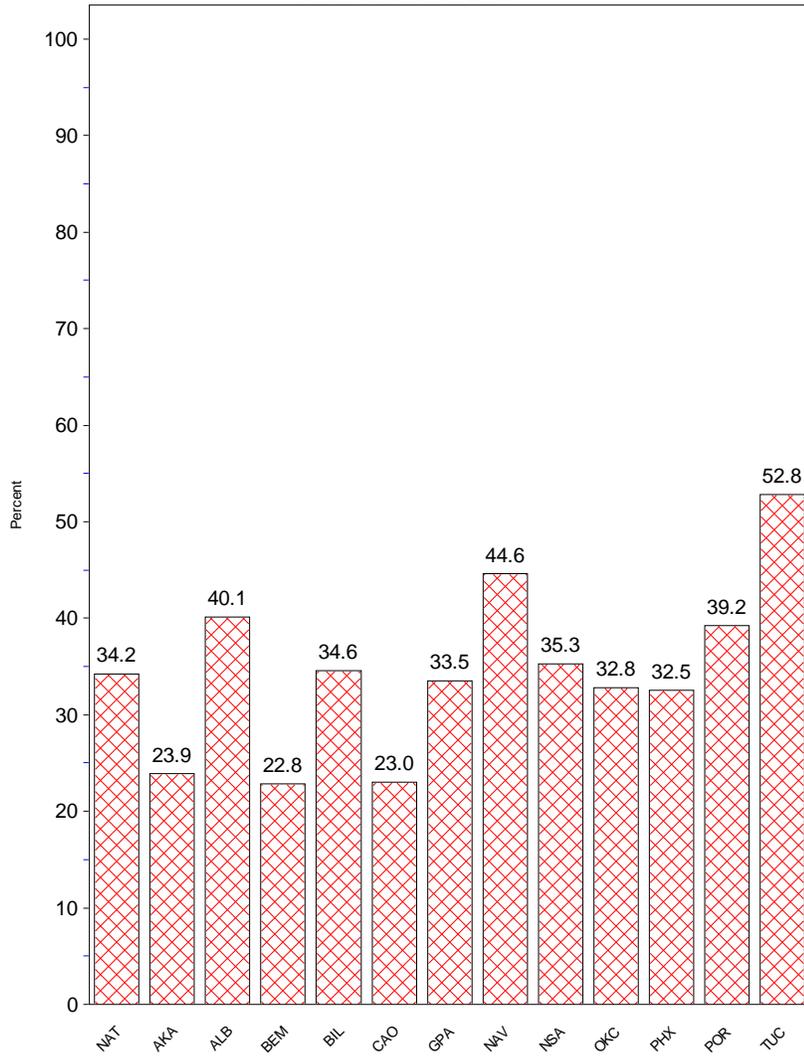
Doses are NOT deduplicated.

\*\* 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 03/18/2017



- 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	163	304
ALASKA	7	51
ALBUQUERQUE	11	15
BEMIDJI	6	15
BILLINGS	13	22
CALIFORNIA	22	33
GREAT PLAINS	18	35
NASHVILLE	20	25
NAVAJO	8	23
OKLAHOMA	19	26
PHOENIX	15	28
PORTLAND	23	27
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.