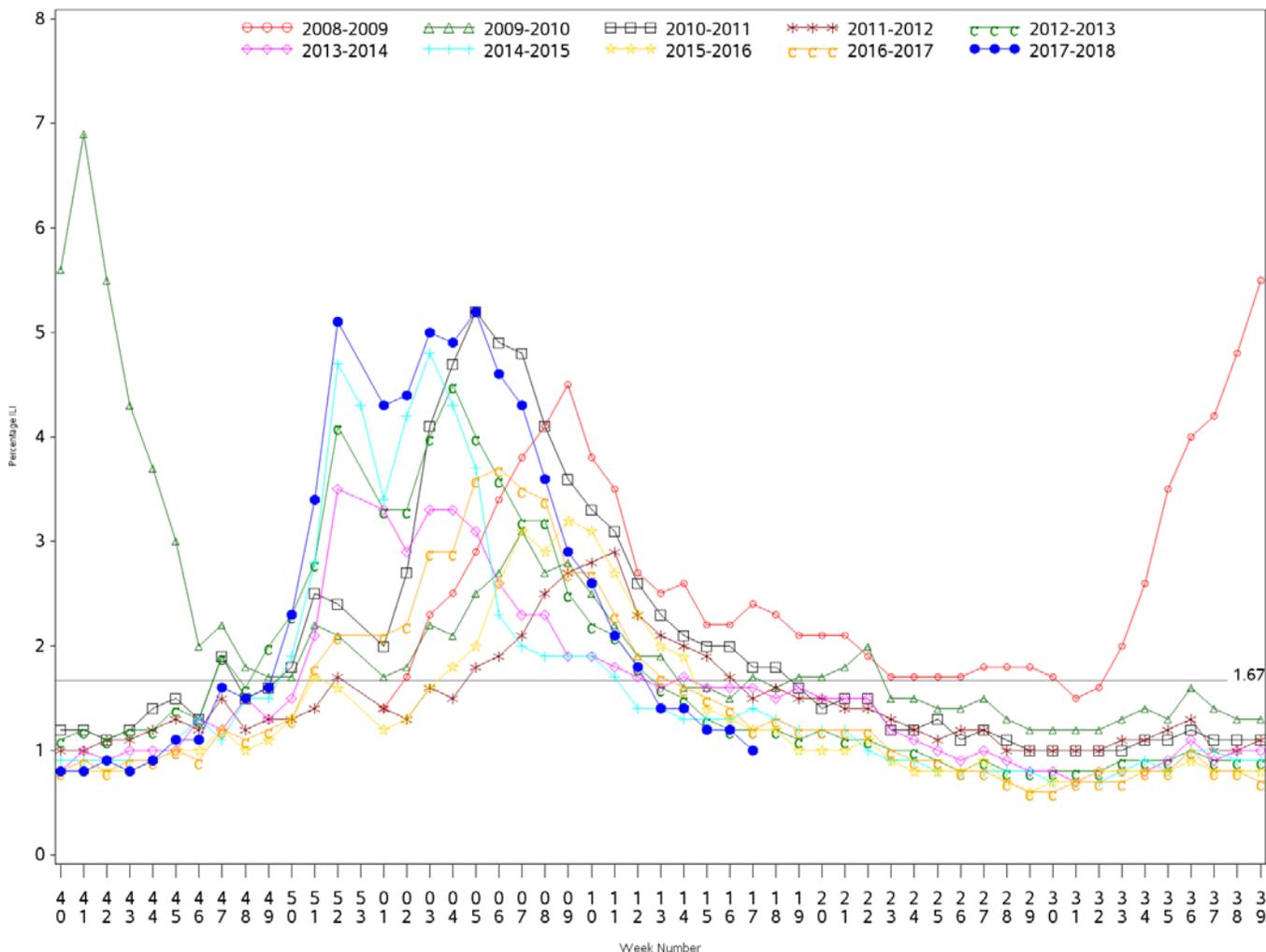




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 17: 04/22/2018 – 04/28/2018)**

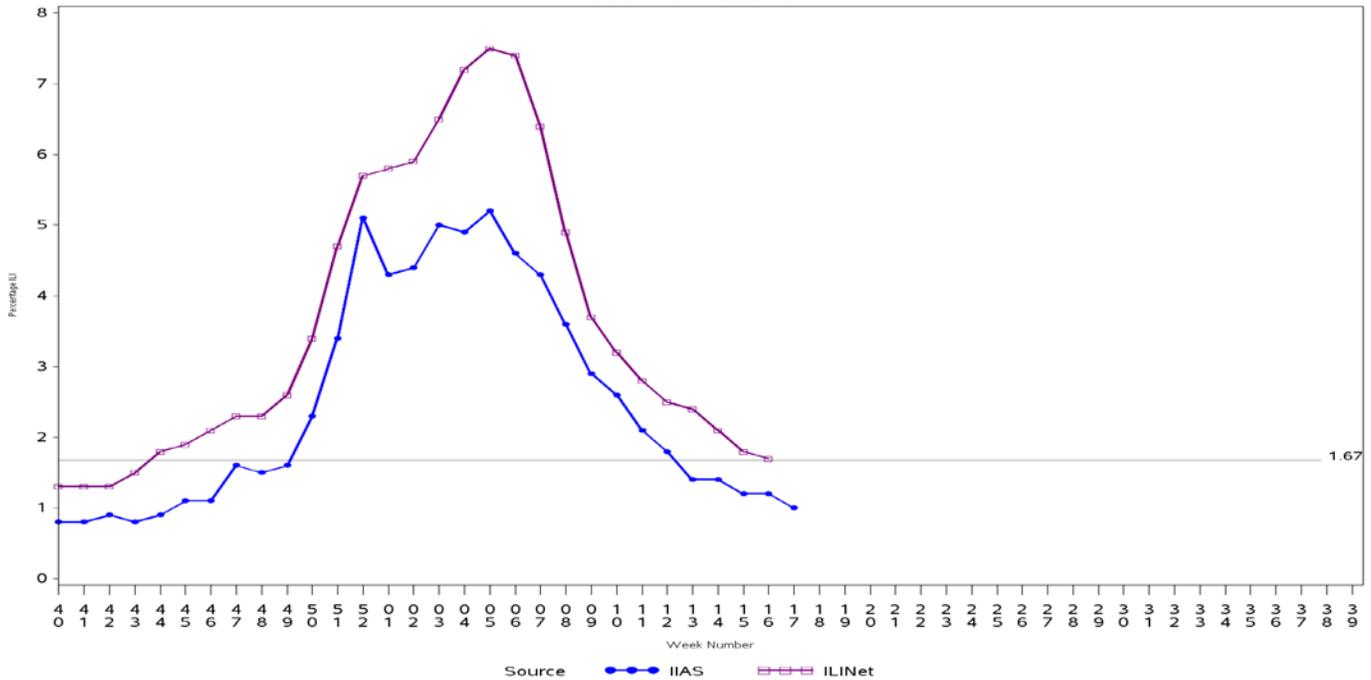
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.0%, below the IHS baseline of 1.67%
  - Two IHS regions report having elevated ILI activity
- National ILI activity reported by CDC remains slightly elevated in a few US states
  - CDC's ILINet ILI activity is 1.7%, down from 1.8% reported in week 15, and is below the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 352,000 doses of influenza vaccine.
- Overall, 36.5% 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 04/28/2018



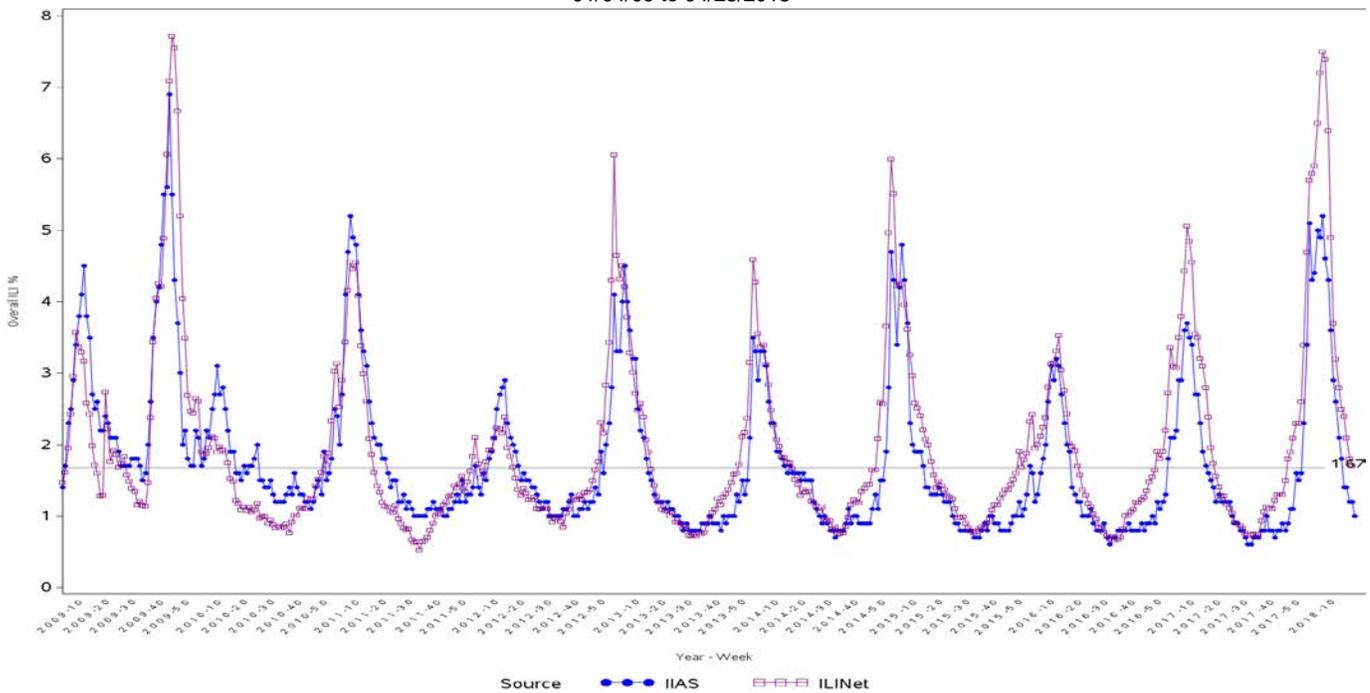
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2017 - 2018  
 IIAS vs. ILINet  
 10/01/17 to 04/28/2018



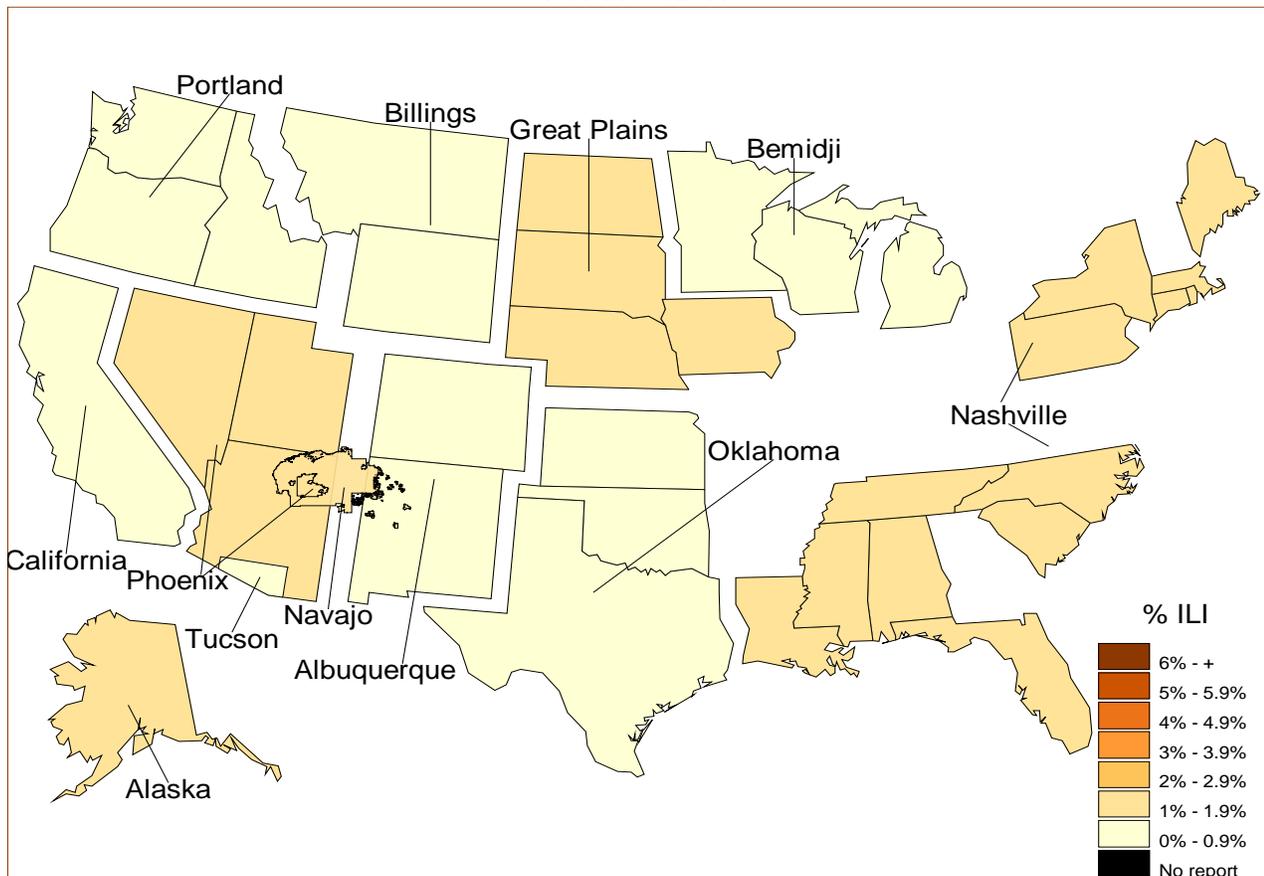
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 04/28/2018



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: 17



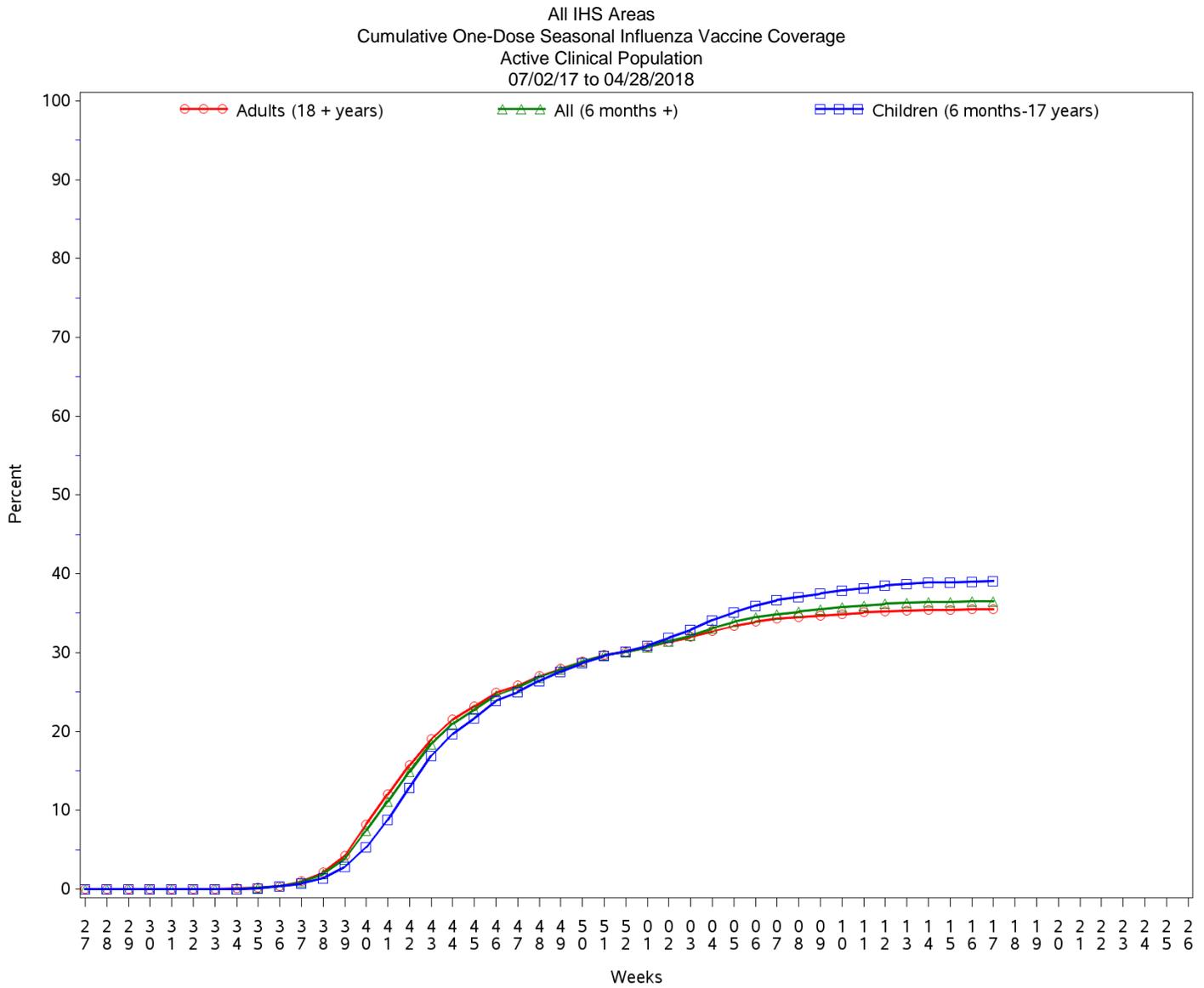
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 16	% in Week 17
NATIONAL	1.2	1.0
ALASKA	1.6	1.8
ALBUQUERQUE	0.7	0.5
BEMIDJI	2.1	0.0
BILLINGS	1.2	0.9
CALIFORNIA	0.5	0.5
GREAT PLAINS	2.0	1.8
NASHVILLE	1.8	1.3
NAVAJO	1.3	1.0
OKLAHOMA	0.7	0.4
PHOENIX	1.7	1.3
PORTLAND	0.5	0.5
TUCSON	0.4	0.7

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

## IHS Influenza Vaccination Surveillance

- As of 04/28/2018, sites reporting to the IIAS have administered 352,866 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	4,099	109	2.7	0	0.0	109
6 - 23 months	20,714	13,485	65.1	4,630	22.4	18,150
2 - 4 years	50,978	18,171	35.6	814	1.6	19,022
5 - 17 years	195,905	73,022	37.3	468	0.2	73,682
18 - 49 years	402,100	112,950	28.1	643	0.2	113,935
50 - 64 years	170,664	73,930	43.3	418	0.2	74,606
65 + years	102,528	52,753	51.5	416	0.4	53,471
Children (6 months-17 years)	267,597	104,678	39.1	5,912	2.2	110,854
Adults (18 + years)	675,292	239,633	35.5	1,477	0.2	242,012
All (6 months +)	942,889	344,311	36.5	7,389	0.8	352,866

\* 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	41	436	8	103	0	5,161	0	1,125	580	2	0	48	0	0	0	0	42	7,547
ALB	1	218	1,942	59	1,273	0	13,608	17	9,416	1,168	1,200	2	15	51	135	0	0	72	29,177
BEM	1	140	449	23	474	0	6,254	4	5,491	444	6	19	8	46	0	0	0	65	13,424
BIL	0	89	1,528	4	152	0	12,999	5	3,136	472	134	0	138	261	2	0	0	94	19,014
CAO	7	446	1,819	62	1,587	1	8,336	2	5,111	560	100	1	693	1	15	0	0	198	18,939
GPA	1	399	1,581	8	1,448	1	18,390	30	11,562	2,364	4	3	270	41	11	0	0	107	36,220
NSA	2	132	360	20	443	0	5,066	5	6,032	375	514	1	88	20	4	0	0	230	13,292
NAV	16	418	2,220	26	1,798	2	29,404	12	51,016	2,859	784	0	25	68	24	0	0	182	88,854
OKC	7	2,914	3,261	7	2,822	2	12,214	15	24,374	3,232	485	1	2,281	19	33	0	0	82	51,749
PHX	0	996	1,845	22	487	0	23,515	13	13,843	928	6	2	13	22	3	0	0	139	41,834
POR	8	380	1,556	362	486	0	8,874	21	9,516	800	1,016	70	996	329	21	0	0	193	24,628
TUC	0	38	38	24	3	0	8,577	0	121	37	0	0	0	1	0	0	0	47	8,886
	<b>44</b>	<b>6,211</b>	<b>17,035</b>	<b>625</b>	<b>11,076</b>	<b>6</b>	<b>152,398</b>	<b>124</b>	<b>140,743</b>	<b>13,819</b>	<b>4,251</b>	<b>99</b>	<b>4,575</b>	<b>859</b>	<b>248</b>	<b>0</b>	<b>0</b>	<b>1,451</b>	<b>353,564</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.

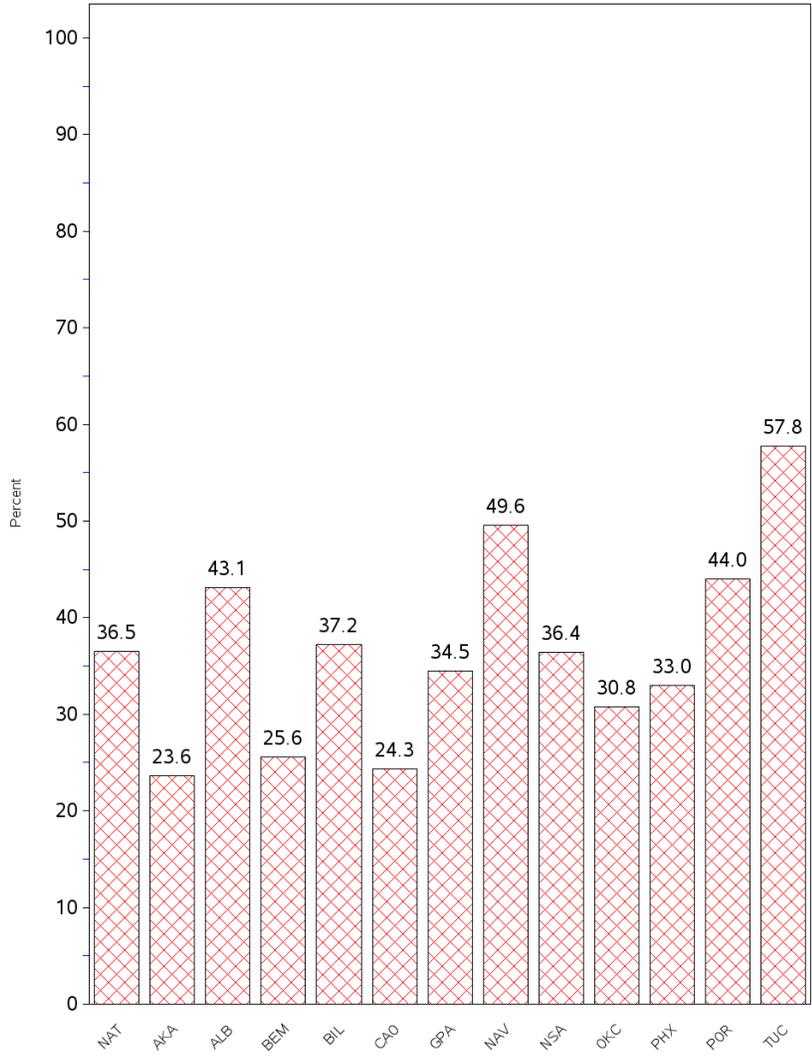
Doses are NOT deduplicated.

\*\* 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 04/28/2018



- 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	136	231
ALASKA	5	26
ALBUQUERQUE	11	17
BEMIDJI	1	1
BILLINGS	11	18
CALIFORNIA	18	28
GREAT PLAINS	15	29
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	17	21
PHOENIX	12	21
PORTLAND	17	19
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.