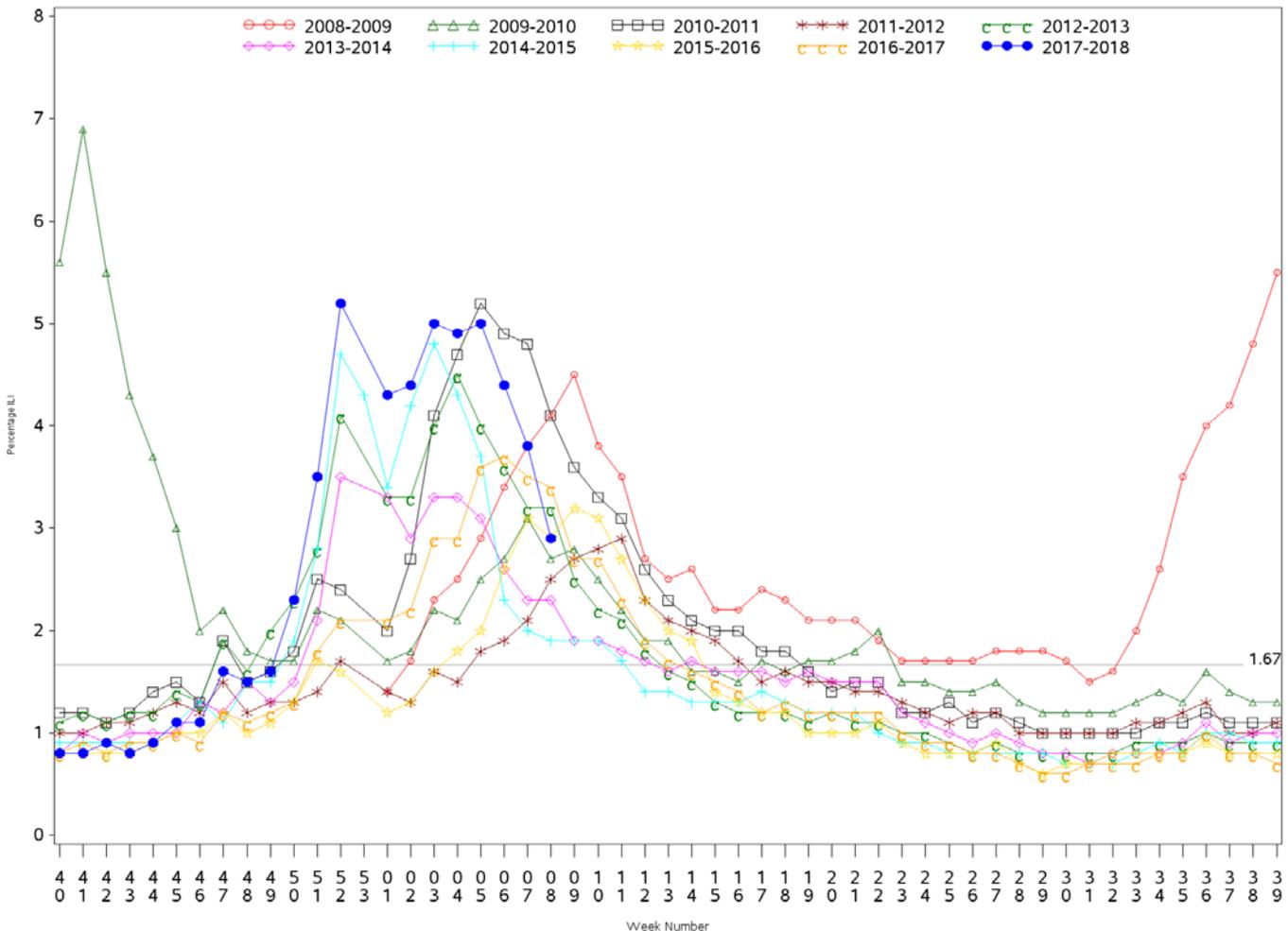




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 08: 02/18/2018 – 02/24/2018)**

- Influenza-like-illness (ILI) activity in IHS is decreasing but remains elevated at 2.9%, above the IHS baseline of 1.67%
  - Nine IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC remains elevated with high ILI activity reported in a majority of US states
  - CDC's ILINet ILI activity is 6.4%, down from 7.4% reported in week 6, and remains above the ILINet baseline (2.2%) and the IHS baseline (1.67%)
- To date, IHS has administered over 335,000 doses of influenza vaccine.
- Overall, 34.8% of the IHS Active Clinical population received an influenza vaccine this season.

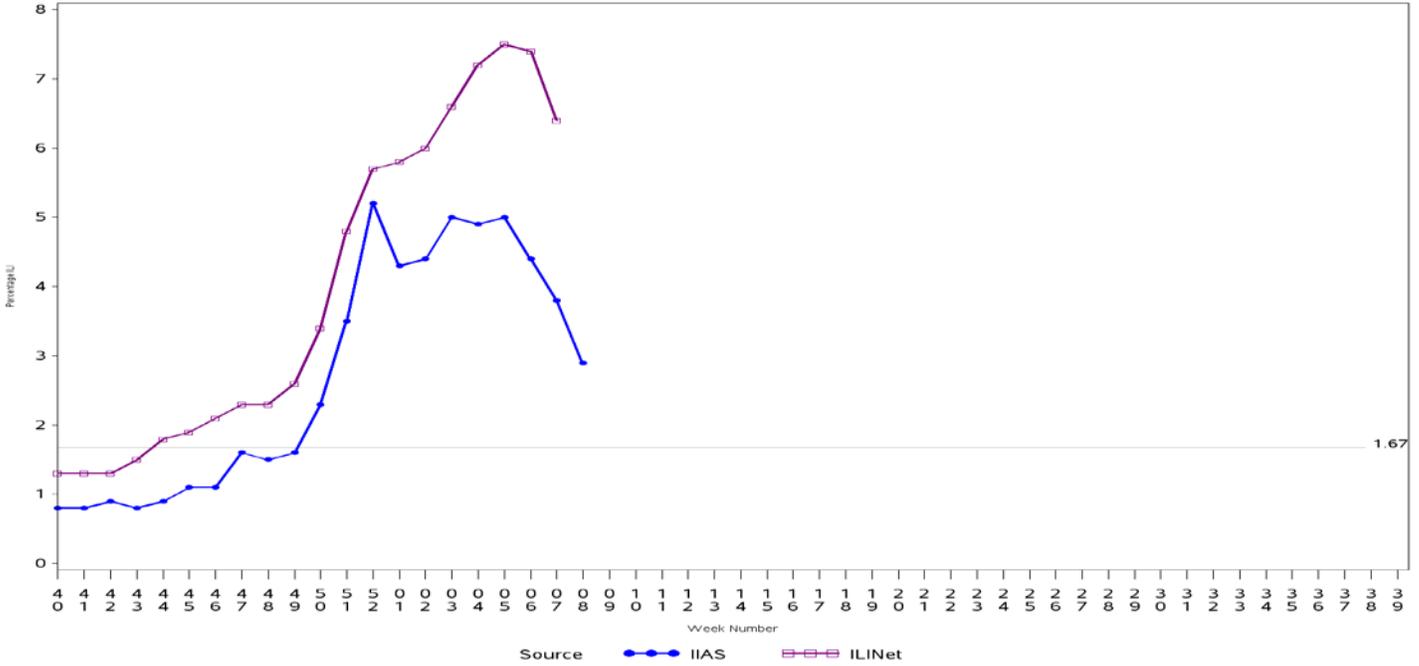
All IHS Areas  
 Influenza-Like Illness (ILI) for All Surveillance Years  
 Percentage of Visits for ILI per week  
 01/04/09 to 02/24/2018



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

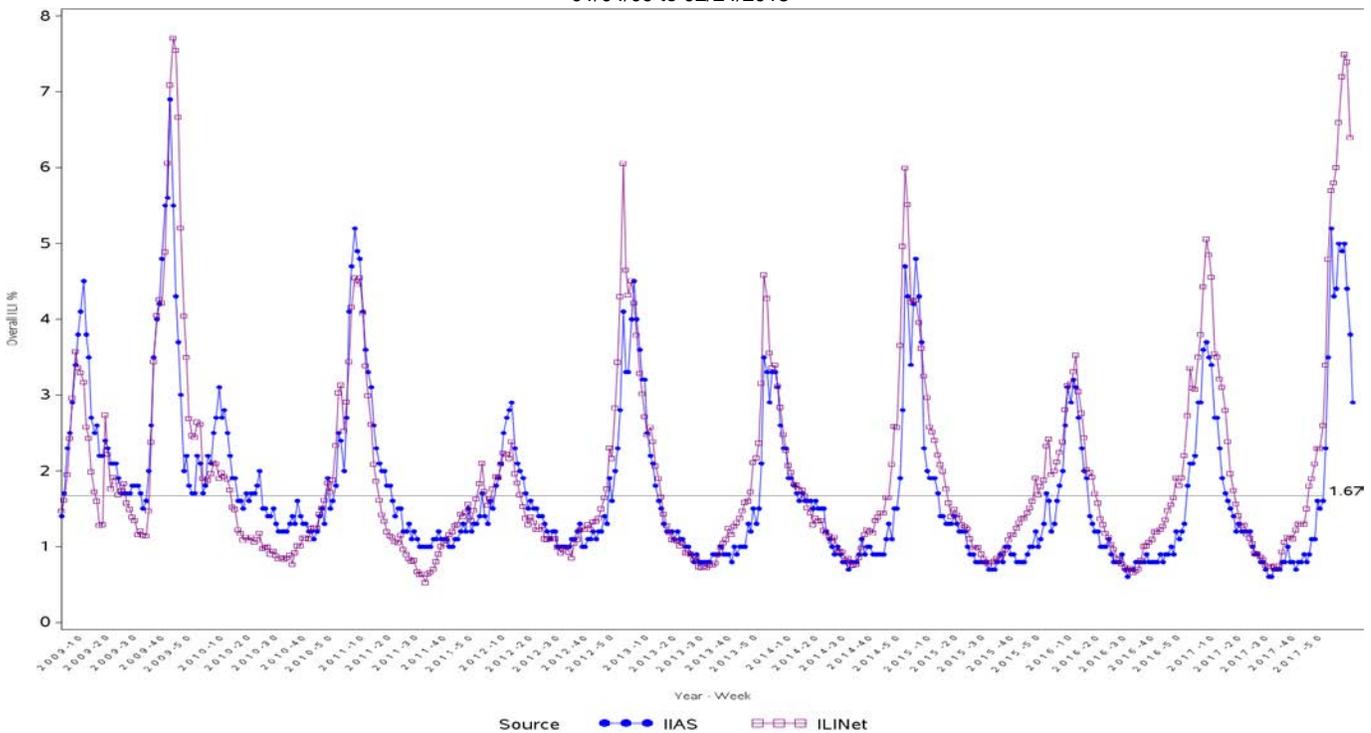
The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2017 - 2018  
 IIAS vs. ILINet  
 10/01/17 to 02/24/2018



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

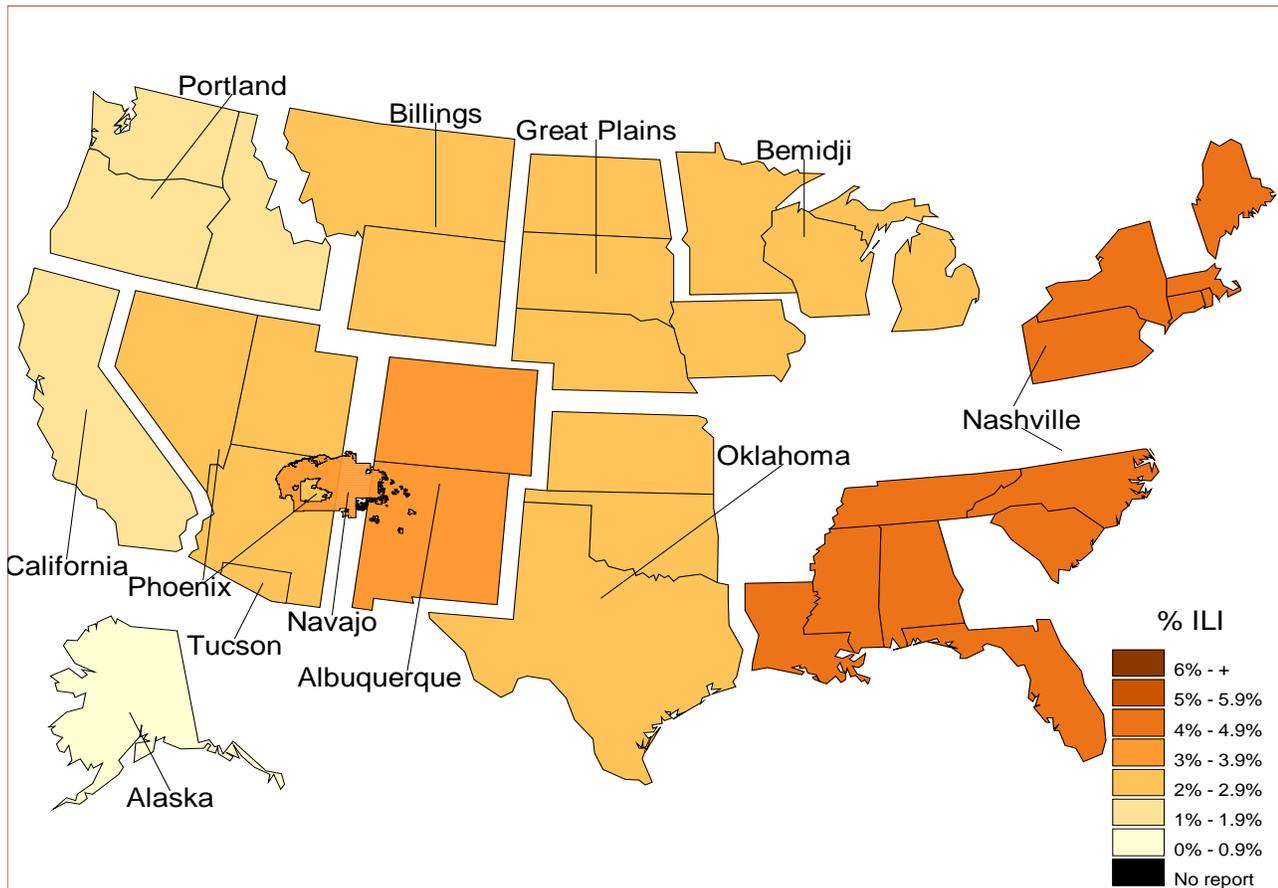
Influenza-Like Illness (ILI) All Surveillance Years - Continuous  
 Percentage of Visits for ILI per week  
 IIAS vs. ILINet  
 01/04/09 to 02/24/2018



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: 08



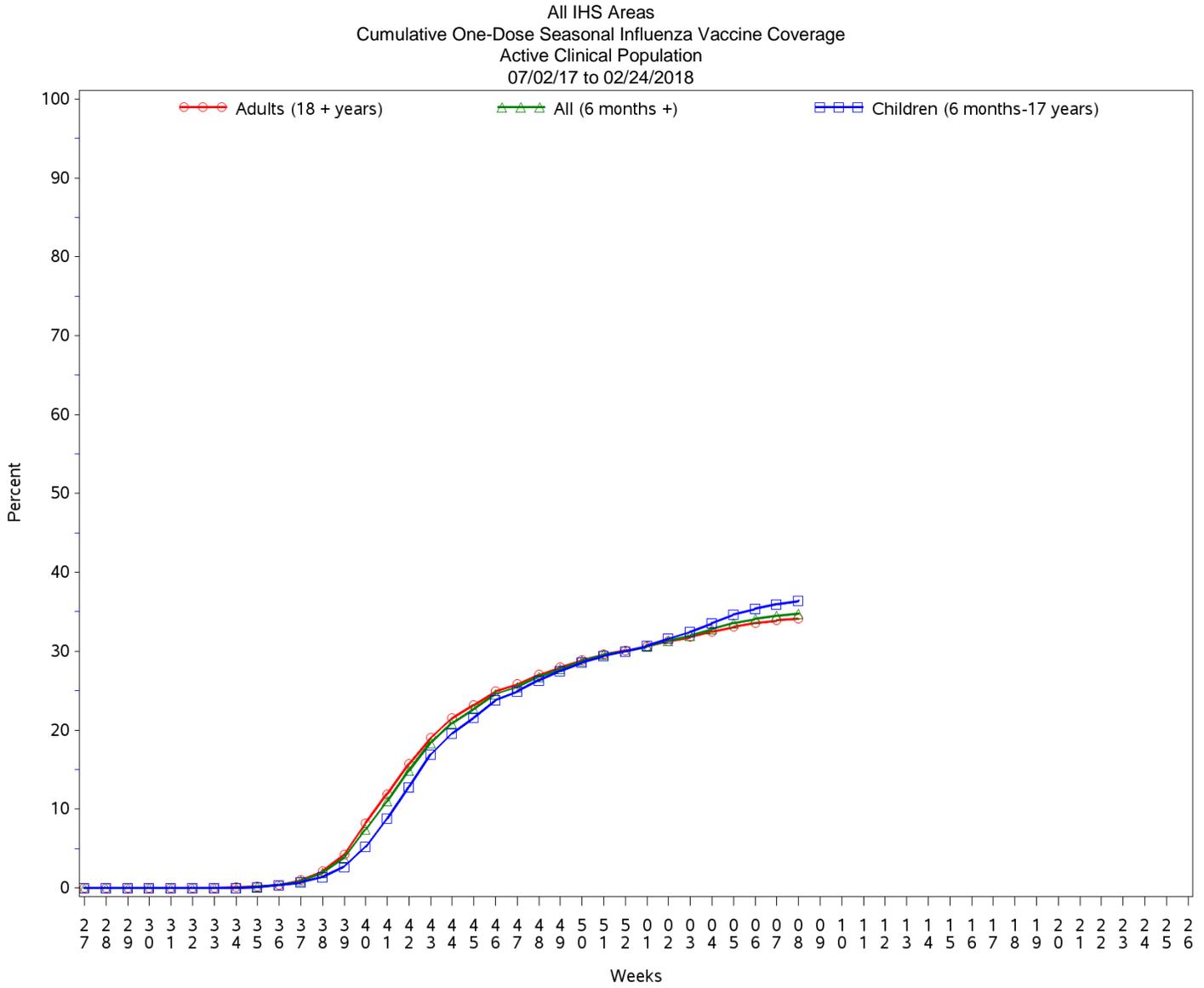
#### % Visits for ILI Compared to Previous Week

IHS Areas	% in Week 07	% in Week 08
NATIONAL	3.8	2.9
ALASKA	1.3	0.8
ALBUQUERQUE	3.6	3.6
BEMIDJI	1.0	2.1
BILLINGS	3.2	2.7
CALIFORNIA	2.1	1.5
GREAT PLAINS	2.4	2.0
NASHVILLE	5.6	4.1
NAVAJO	5.4	3.9
OKLAHOMA	4.5	2.3
PHOENIX	4.1	2.9
PORTLAND	2.2	1.6
TUCSON	2.7	2.6

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

### IHS Influenza Vaccination Surveillance

- As of 02/24/2018, sites reporting to the IIAS have administered 335,586 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	4,275	53	1.2	0	0.0	53
6 - 23 months	20,599	11,934	57.9	3,378	16.4	15,343
2 - 4 years	51,408	16,661	32.4	574	1.1	17,268
5 - 17 years	196,974	69,235	35.1	396	0.2	69,818
18 - 49 years	403,601	107,707	26.7	592	0.1	108,632
50 - 64 years	170,714	71,571	41.9	379	0.2	72,200
65 + years	102,100	51,660	50.6	366	0.4	52,325
Children (6 months-17 years)	268,981	97,830	36.4	4,348	1.6	102,429
Adults (18 + years)	676,415	230,938	34.1	1,337	0.2	233,157
All (6 months +)	945,396	328,768	34.8	5,685	0.6	335,586

\* 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	36	418	5	100	0	5,043	0	1,119	551	2	0	48	0	0	0	0	40	7,363
ALB	1	214	1,907	50	1,215	0	12,885	17	8,993	1,036	1,150	2	10	48	93	0	0	67	27,688
BEM	1	119	421	9	405	0	5,529	4	4,842	306	6	14	8	39	0	0	0	54	11,757
BIL	0	76	1,499	4	150	0	12,150	5	2,964	422	132	0	135	259	2	0	0	94	17,892
CAO	6	421	1,781	61	1,545	0	7,791	2	4,798	446	96	1	683	0	1	0	0	209	17,841
GPA	1	374	1,549	8	1,361	1	17,764	23	10,840	2,058	4	3	244	39	9	0	0	97	34,375
NSA	2	131	356	20	431	0	4,943	5	5,841	348	504	1	88	17	4	0	0	218	12,909
NAV	10	360	2,166	20	1,687	1	28,391	12	48,685	2,487	755	0	23	66	21	0	0	174	84,858
OKC	7	2,812	3,225	7	2,722	2	11,807	15	23,976	2,983	468	1	2,204	18	32	0	0	78	50,357
PHX	0	938	1,800	21	470	0	22,087	13	13,233	775	6	2	12	19	3	0	0	133	39,512
POR	7	332	1,532	341	469	0	8,458	20	9,106	698	969	70	961	329	18	0	0	178	23,488
TUC	0	36	37	23	1	0	7,913	0	89	33	0	0	0	0	0	0	0	44	8,176
	<b>36</b>	<b>5,849</b>	<b>16,691</b>	<b>569</b>	<b>10,556</b>	<b>4</b>	<b>144,761</b>	<b>116</b>	<b>134,486</b>	<b>12,143</b>	<b>4,092</b>	<b>94</b>	<b>4,416</b>	<b>834</b>	<b>183</b>	<b>0</b>	<b>0</b>	<b>1,386</b>	<b>336,216</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.

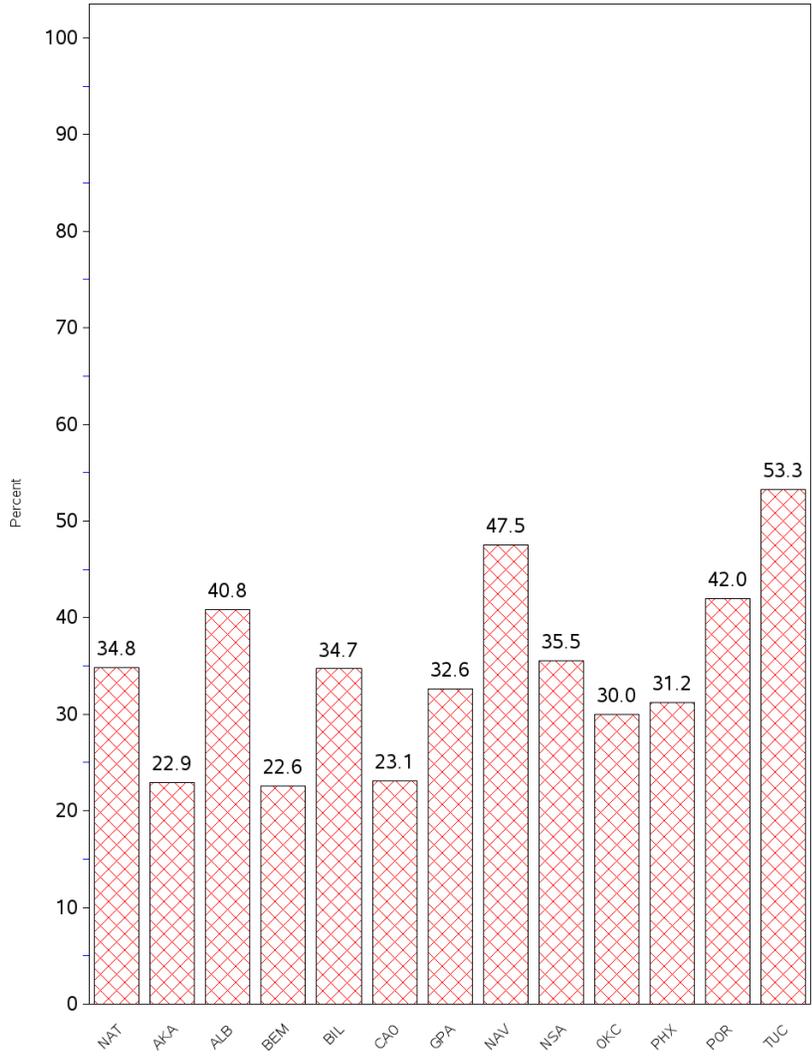
\*\* CVX Code 88 (FLU-NOS) should only be used to document flu vaccines given elsewhere when flu vaccine type is unknown.

+ 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 02/24/2018



- 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	140	256
ALASKA	5	44
ALBUQUERQUE	11	18
BEMIDJI	2	2
BILLINGS	12	21
CALIFORNIA	19	29
GREAT PLAINS	15	31
NASHVILLE	19	23
NAVAJO	8	22
OKLAHOMA	17	21
PHOENIX	12	20
PORTLAND	19	21
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.