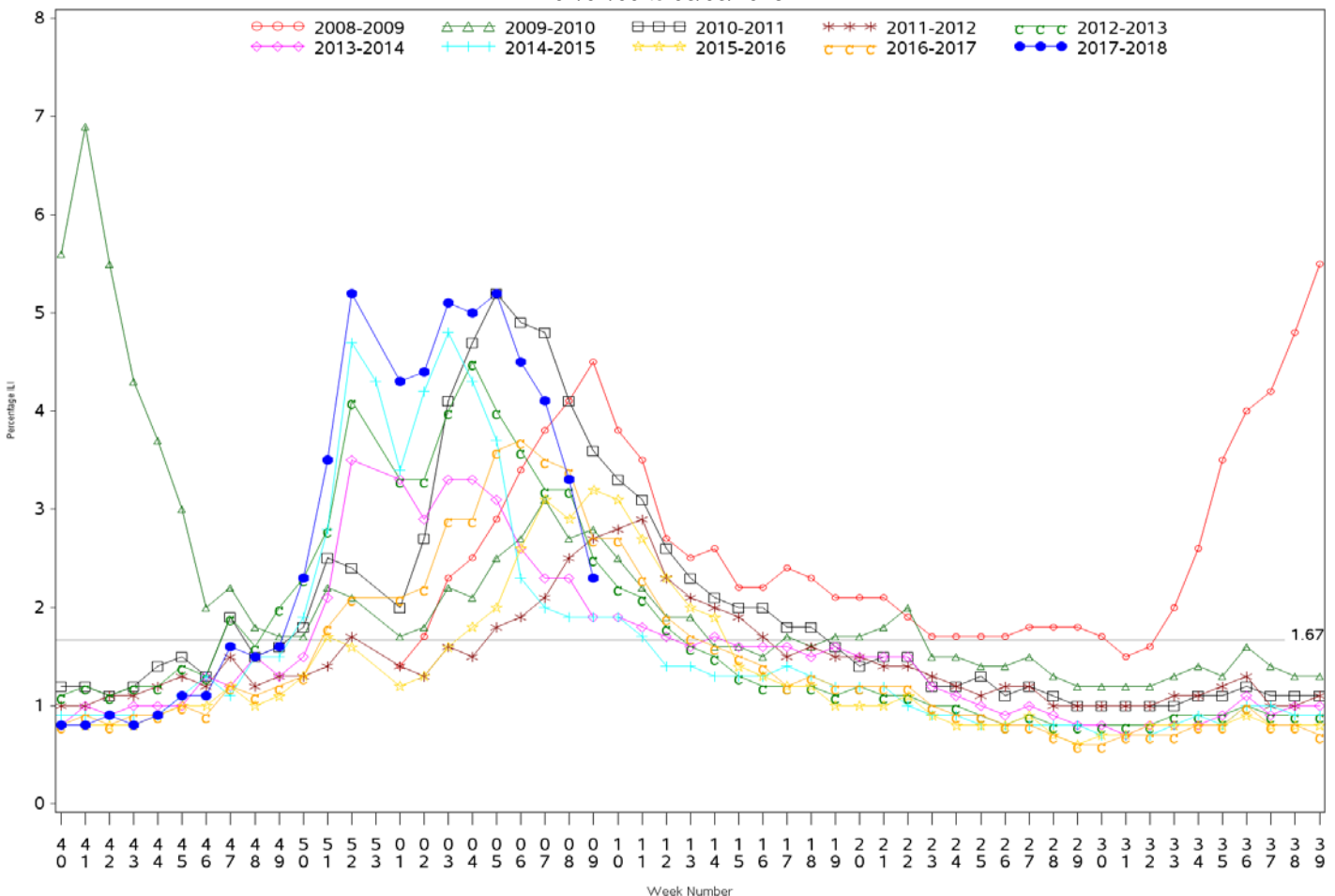




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 09: 02/25/2018 – 03/03/2018)**

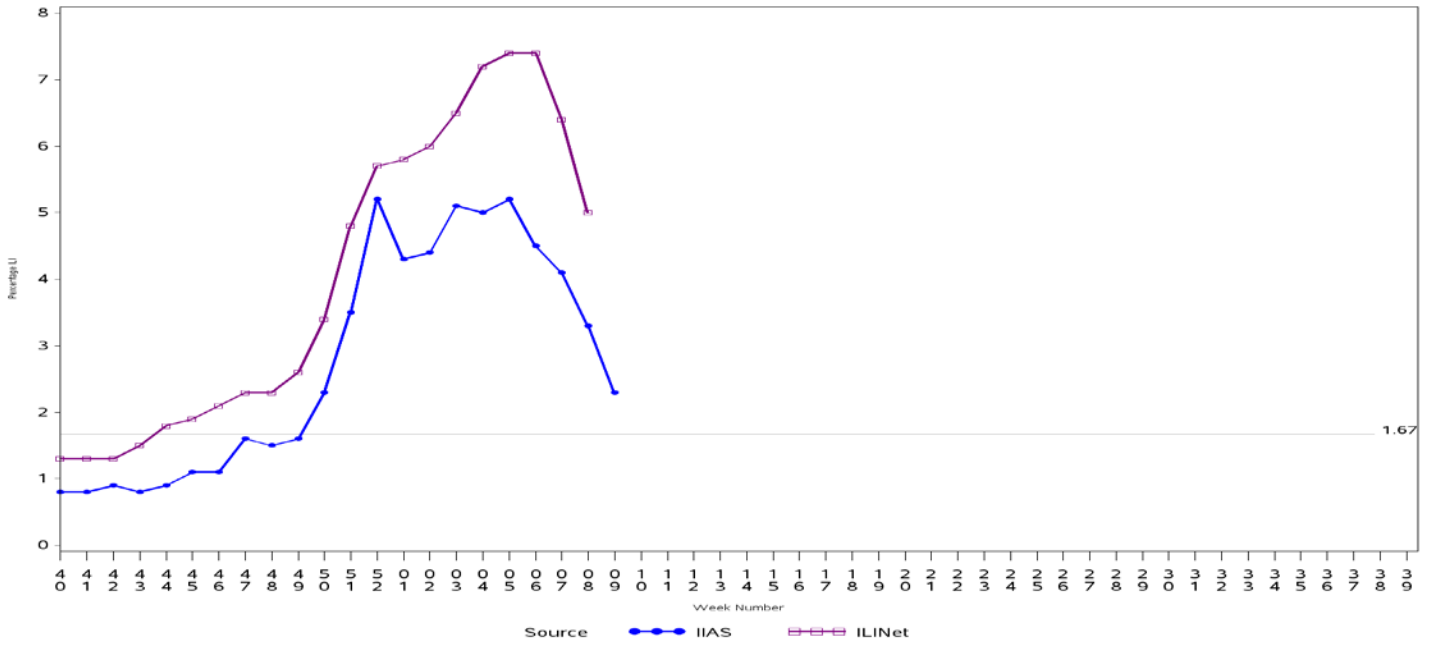
- Influenza-like-illness (ILI) activity in IHS is decreasing but remains elevated at 2.3%, above the IHS baseline of 1.67%
  - Eight IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is remains elevated with high ILI activity reported in a majority of US states
  - CDC's ILINet ILI activity is 5.0%, down from 6.4% reported in week 7, and remains above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 338,000 doses of influenza vaccine.
- Overall, 35.1% 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 03/03/2018



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 03/03/2018



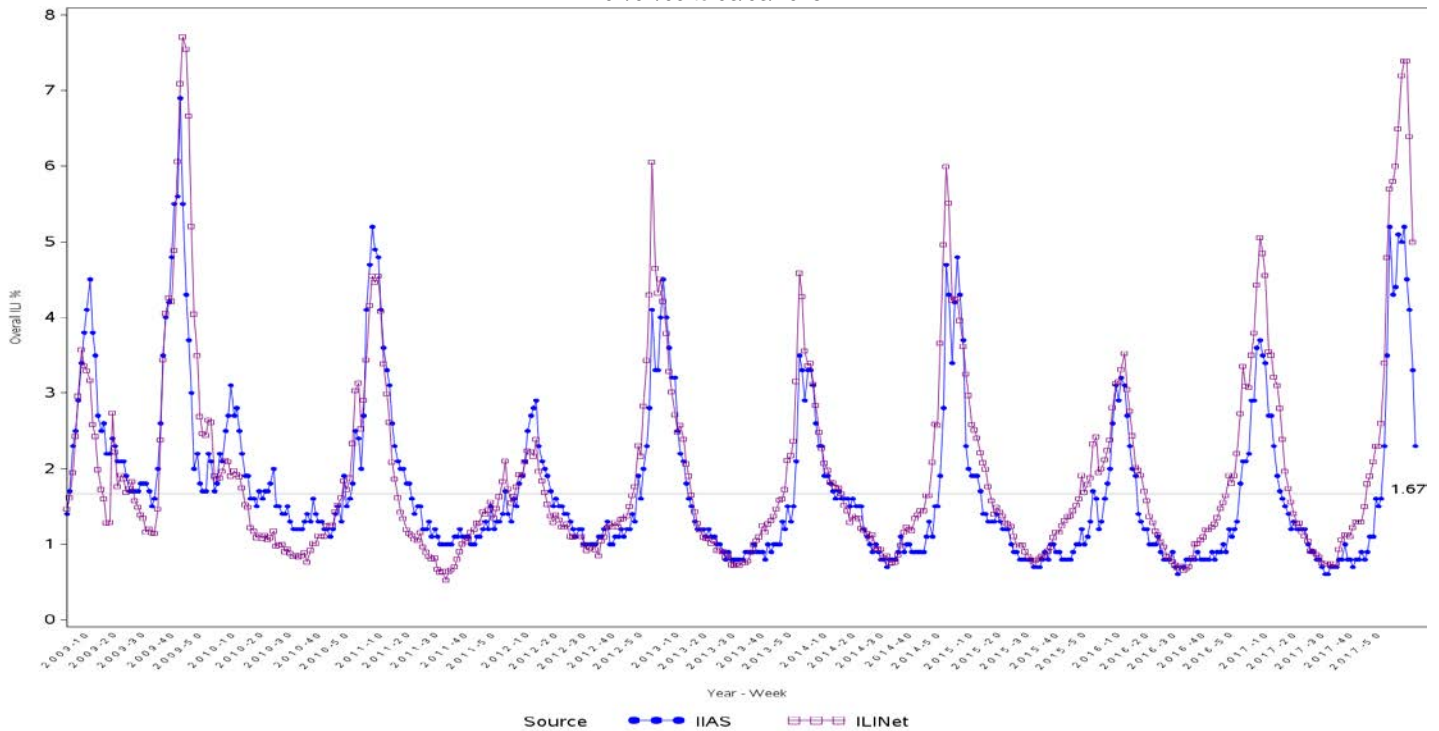
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 03/03/2018



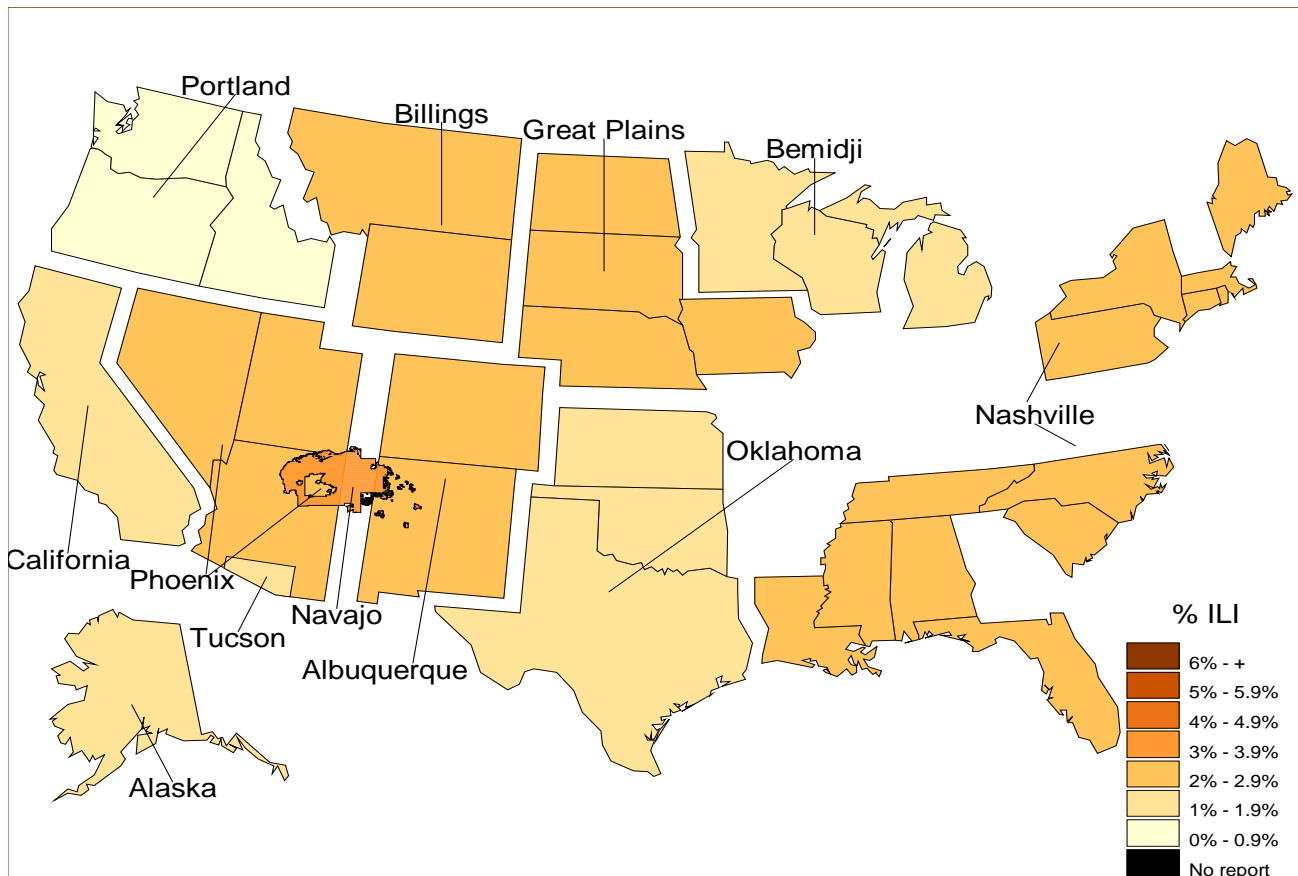
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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: 09



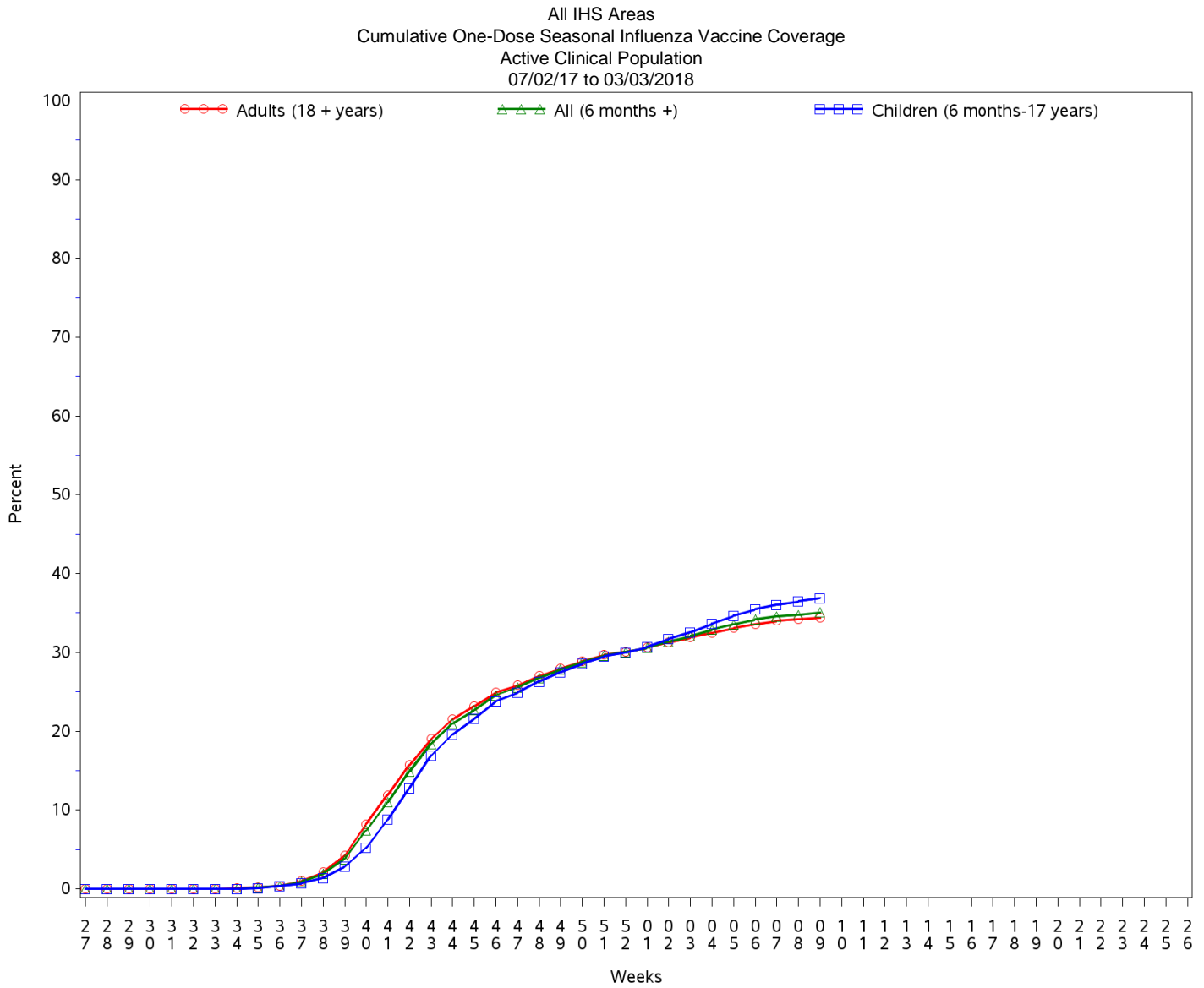
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 08	% in Week 09
NATIONAL	3.3	2.3
ALASKA	1.4	1.6
ALBUQUERQUE	3.9	2.1
BEMIDJI	2.1	1.2
BILLINGS	3.1	2.2
CALIFORNIA	1.5	1.7
GREAT PLAINS	2.1	2.4
NASHVILLE	4.4	2.7
NAVAJO	4.7	3.1
OKLAHOMA	2.8	1.6
PHOENIX	3.3	2.5
PORTLAND	1.9	0.8
TUCSON	3.0	1.8

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

## IHS Influenza Vaccination Surveillance

- As of 03/03/2018, sites reporting to the IIAS have administered 338,838 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	4,227	58	1.4	0	0.0	58
6 - 23 months	20,603	12,163	59.0	3,611	17.5	15,806
2 - 4 years	51,318	16,905	32.9	602	1.2	17,540
5 - 17 years	196,589	69,922	35.6	404	0.2	70,515
18 - 49 years	403,137	108,742	27.0	598	0.1	109,677
50 - 64 years	170,855	72,069	42.2	388	0.2	72,710
65 + years	102,301	51,913	50.7	377	0.4	52,590
Children (6 months-17 years)	268,510	98,990	36.9	4,617	1.7	103,861
Adults (18 + years)	676,293	232,724	34.4	1,363	0.2	234,977
All (6 months +)	944,803	331,714	35.1	5,980	0.6	338,838

\* 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-cc14pf	CVX 185 FLU-RIV4	CVX 186 FLU-cc14	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	1	36	427	5	101	0	5,073	0	1,120	560	2	0	48	0	0	0	0	40	7,413
ALB	1	215	1,911	50	1,235	0	13,042	17	9,113	1,056	1,163	2	10	49	104	0	0	66	28,034
BEM	1	119	421	9	405	0	5,532	4	4,847	306	6	14	8	39	0	0	0	54	11,765
BIL	0	77	1,505	4	150	0	12,293	5	2,981	433	133	0	135	259	2	0	0	92	18,069
CAO	6	426	1,785	62	1,559	0	7,889	2	4,865	458	96	1	689	1	15	0	0	196	18,050
GPA	1	379	1,563	8	1,372	1	17,845	27	10,977	2,095	4	3	249	39	9	0	0	101	34,673
NSA	2	131	358	20	433	0	4,985	5	5,898	356	508	1	88	18	4	0	0	219	13,026
NAV	11	367	2,177	20	1,717	2	28,621	12	49,348	2,576	761	0	23	67	21	0	0	173	85,896
OKC	7	2,836	3,234	7	2,747	2	11,862	15	24,086	3,020	474	1	2,218	19	32	0	0	78	50,638
PHX	0	955	1,810	22	476	0	22,377	13	13,376	807	6	2	12	21	3	0	0	135	40,015
POR	7	333	1,536	342	470	0	8,514	20	9,159	716	978	70	962	329	18	0	0	179	23,633
TUC	0	36	37	24	1	0	8,022	0	89	35	0	0	0	0	0	0	0	44	8,288
	<b>37</b>	<b>5,910</b>	<b>16,764</b>	<b>573</b>	<b>10,666</b>	<b>5</b>	<b>146,055</b>	<b>120</b>	<b>135,859</b>	<b>12,418</b>	<b>4,131</b>	<b>94</b>	<b>4,442</b>	<b>841</b>	<b>208</b>	<b>0</b>	<b>0</b>	<b>1,377</b>	<b>339,500</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.

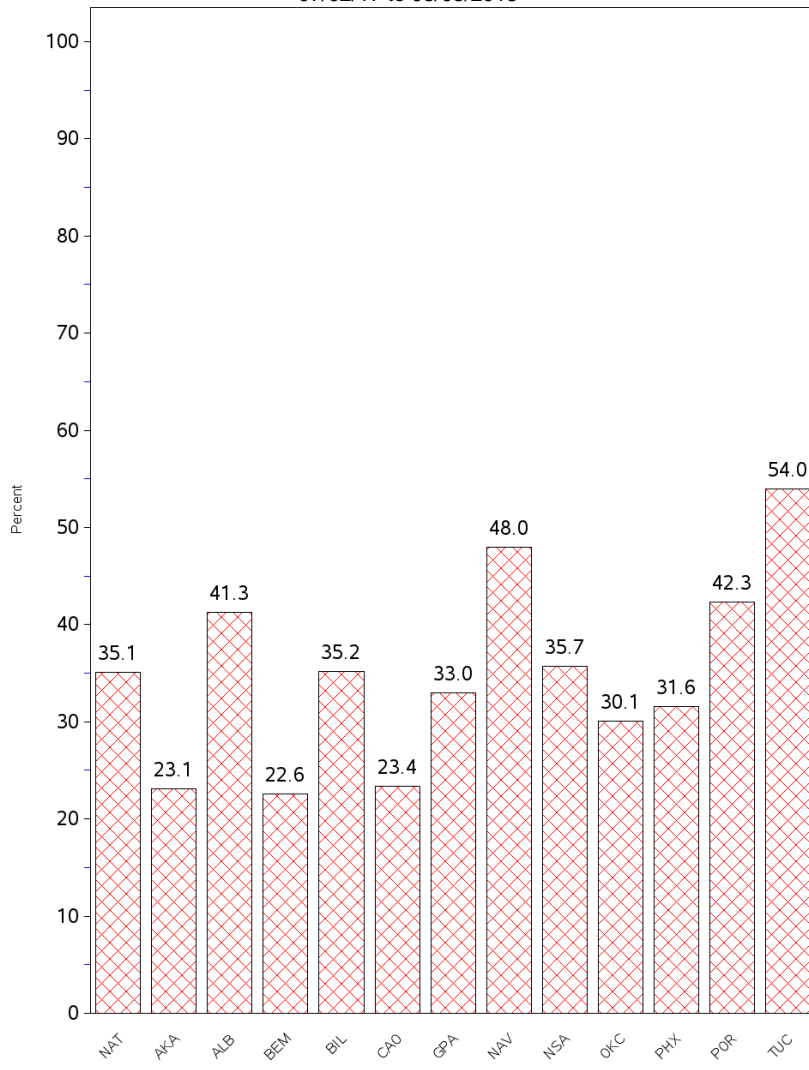
Doses are NOT deduplicated.

\*\* 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 03/03/2018



- 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	139	239
ALASKA	5	26
ALBUQUERQUE	11	19
BEMIDJI	2	2
BILLINGS	12	21
CALIFORNIA	19	29
GREAT PLAINS	15	30
NASHVILLE	19	23
NAVAJO	8	23
OKLAHOMA	17	21
PHOENIX	12	20
PORTLAND	18	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.