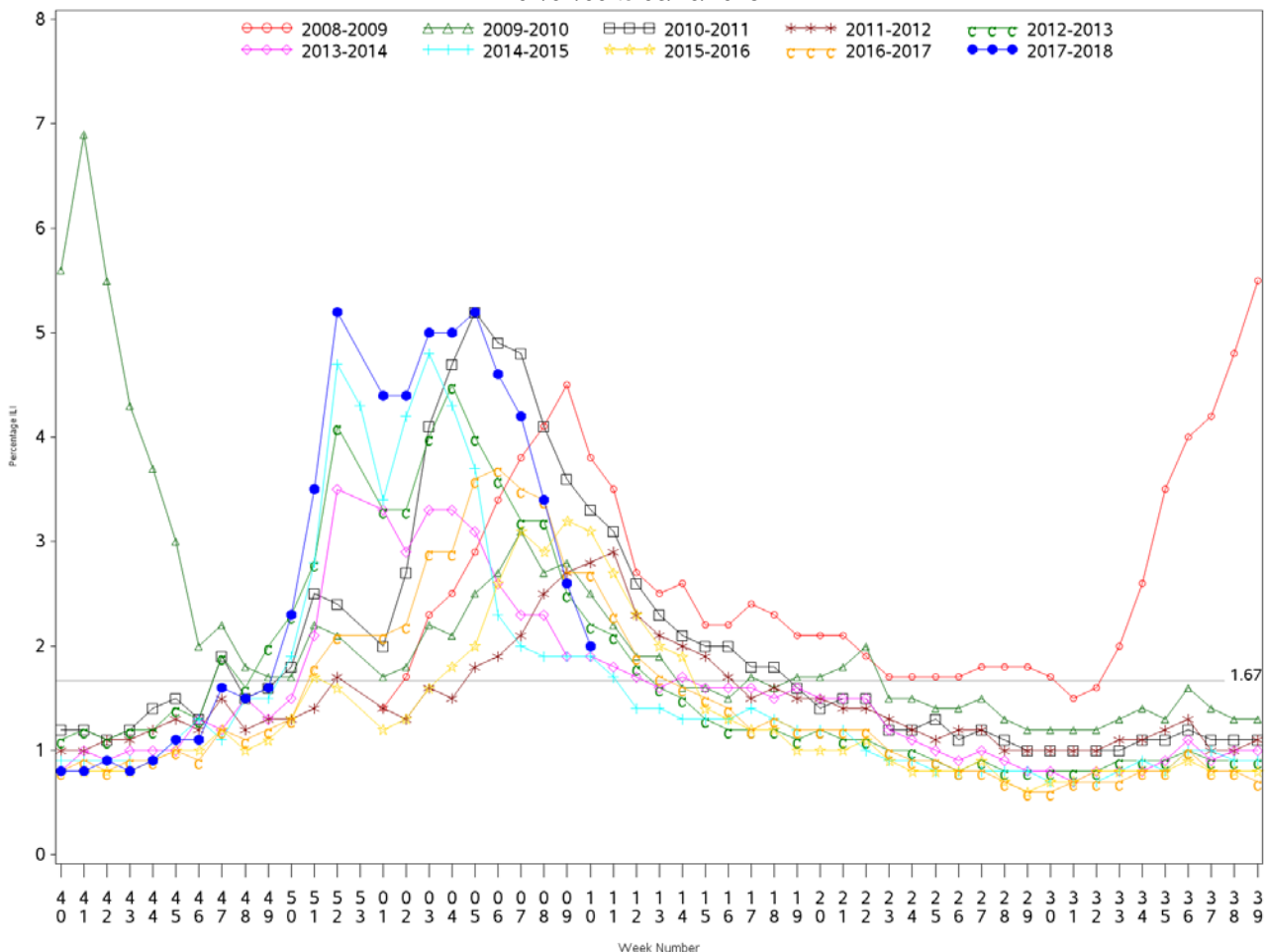




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 10: 03/04/2018 – 03/10/2018)**

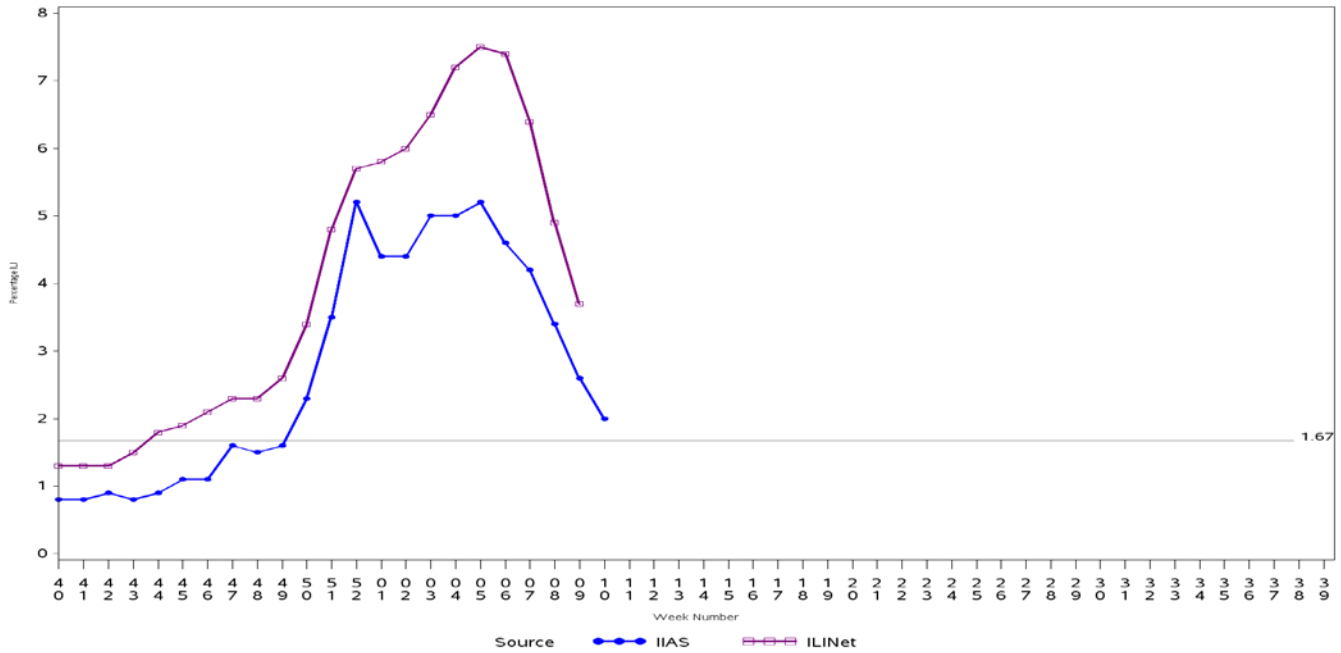
- Influenza-like-illness (ILI) activity in IHS is decreasing but remains elevated at 2.0%, above the IHS baseline of 1.67%
  - Eight IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC remains elevated with high ILI activity reported in a majority of US states
  - CDC's ILINet ILI activity is 3.7%, down from 4.9% reported in week 8, and remains above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 342,000 doses of influenza vaccine.
- Overall, 35.4% 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 03/10/2018



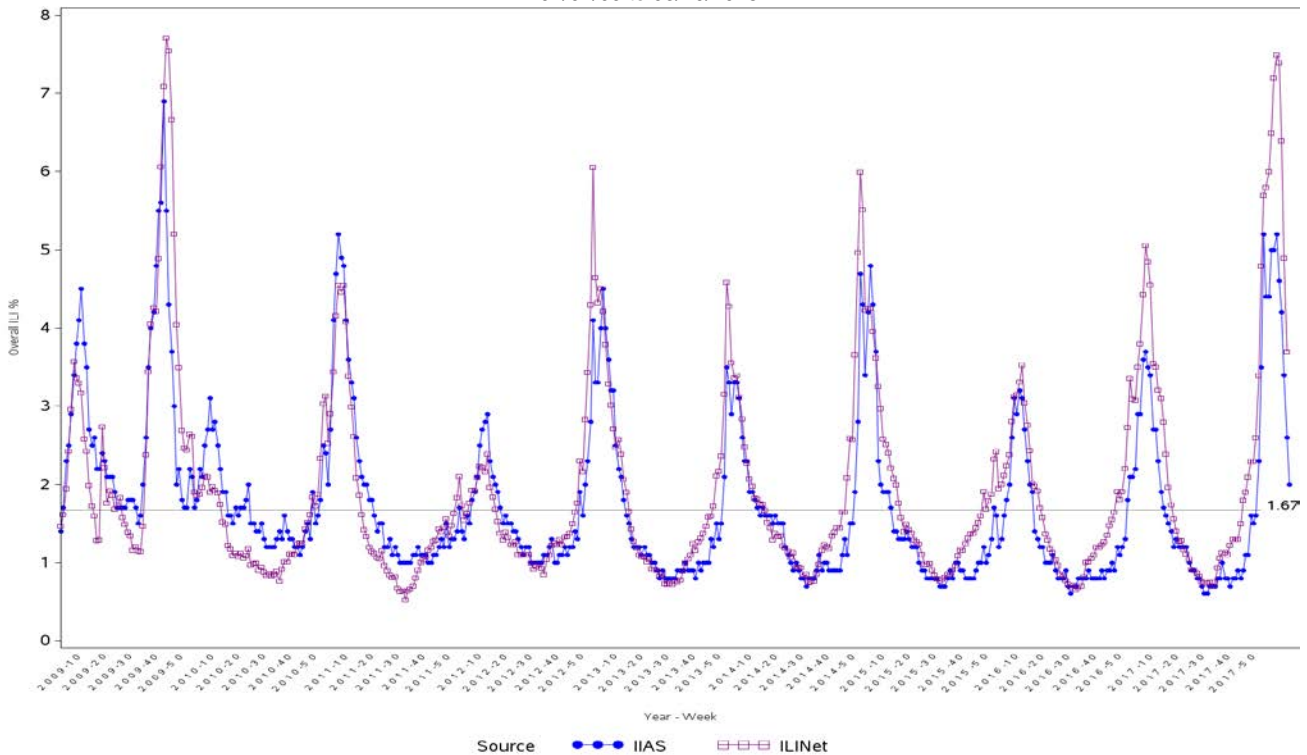
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits. The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2017 - 2018  
 IIAS vs. ILINet  
 10/01/17 to 03/10/2018



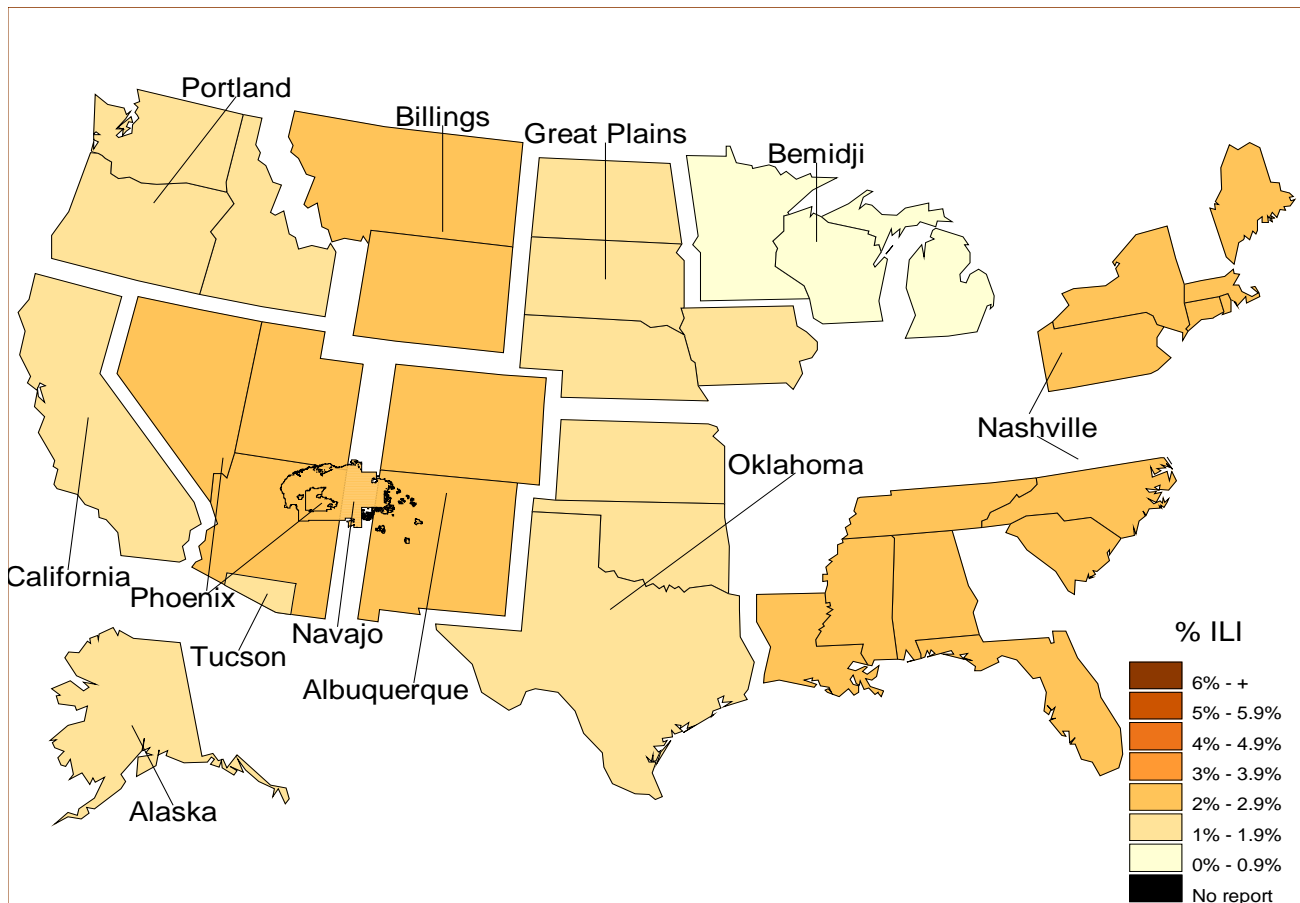
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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 03/10/2018



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: 10



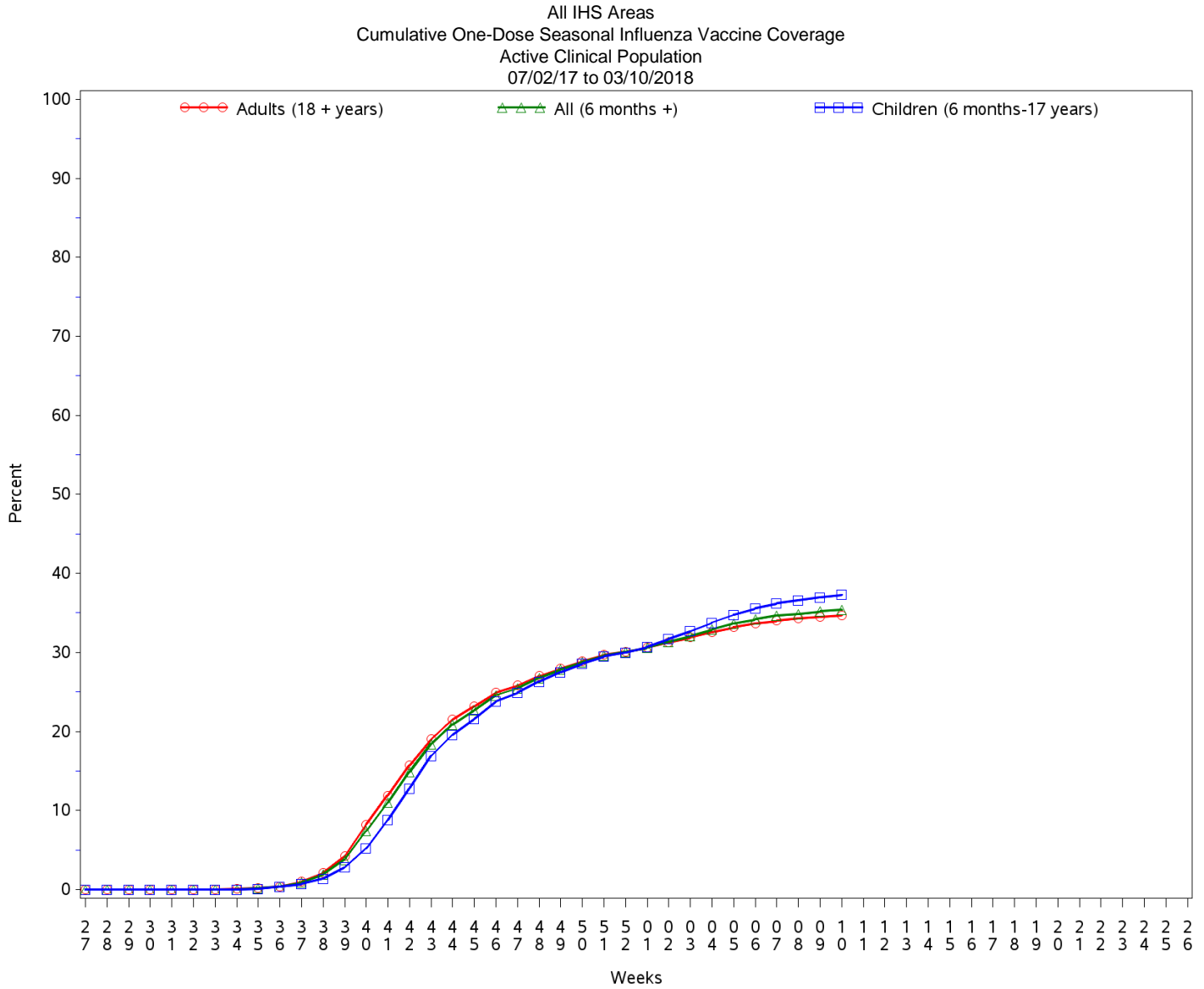
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 09	% in Week 10
NATIONAL	2.6	2.0
ALASKA	2.0	1.9
ALBUQUERQUE	2.4	2.0
BEMIDJI	2.3	0.2
BILLINGS	2.8	2.6
CALIFORNIA	1.8	1.8
GREAT PLAINS	2.5	1.9
NASHVILLE	3.1	2.3
NAVAJO	3.8	2.4
OKLAHOMA	1.9	1.0
PHOENIX	2.6	2.6
PORTLAND	0.8	1.4
TUCSON	1.9	1.1

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

## IHS Influenza Vaccination Surveillance

- As of 03/10/2018, sites reporting to the IAS have administered 342,068 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	4,223	67	1.6	0	0.0	67
6 - 23 months	20,616	12,419	60.2	3,816	18.5	16,267
2 - 4 years	51,299	17,184	33.5	645	1.3	17,862
5 - 17 years	196,639	70,634	35.9	422	0.2	71,245
18 - 49 years	403,158	109,717	27.2	608	0.2	110,663
50 - 64 years	170,868	72,554	42.5	394	0.2	73,201
65 + years	102,316	52,143	51.0	387	0.4	52,830
Children (6 months-17 years)	268,554	100,237	37.3	4,883	1.8	105,374
Adults (18 + years)	676,342	234,414	34.7	1,389	0.2	236,694
All (6 months +)	944,896	334,651	35.4	6,272	0.7	342,068

\* 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	38	429	5	101	0	5,087	0	1,121	563	2	0	48	0	0	0	0	39	7,434
ALB	1	215	1,917	54	1,245	0	13,219	17	9,190	1,069	1,176	2	10	50	107	0	0	67	28,339
BEM	1	129	425	10	455	0	5,722	4	5,076	352	6	19	8	45	0	0	0	57	12,309
BIL	0	83	1,511	4	150	0	12,441	5	3,016	442	133	0	136	260	2	0	0	92	18,275
CAO	6	431	1,796	62	1,567	0	8,004	2	4,937	459	98	1	690	1	15	0	0	194	18,263
GPA	1	384	1,566	8	1,383	1	17,934	30	11,045	2,124	4	3	251	40	9	0	0	101	34,884
NSA	2	131	358	20	437	0	5,009	5	5,938	359	508	1	88	18	4	0	0	220	13,098
NAV	11	374	2,185	21	1,747	2	28,815	12	49,805	2,636	767	0	23	67	21	0	0	174	86,660
OKC	7	2,853	3,244	7	2,763	2	11,920	15	24,163	3,066	479	1	2,243	19	32	0	0	79	50,893
PHX	0	973	1,821	22	476	0	22,626	13	13,486	834	6	2	12	22	3	0	0	136	40,432
POR	7	363	1,543	342	473	0	8,571	20	9,207	726	982	70	962	329	18	0	0	182	23,795
TUC	0	37	36	24	1	0	8,081	0	88	35	0	0	0	0	0	0	0	44	8,346
	<b>37</b>	<b>6,011</b>	<b>16,831</b>	<b>579</b>	<b>10,798</b>	<b>5</b>	<b>147,429</b>	<b>123</b>	<b>137,072</b>	<b>12,665</b>	<b>4,161</b>	<b>99</b>	<b>4,471</b>	<b>851</b>	<b>211</b>	<b>0</b>	<b>0</b>	<b>1,385</b>	<b>342,728</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.

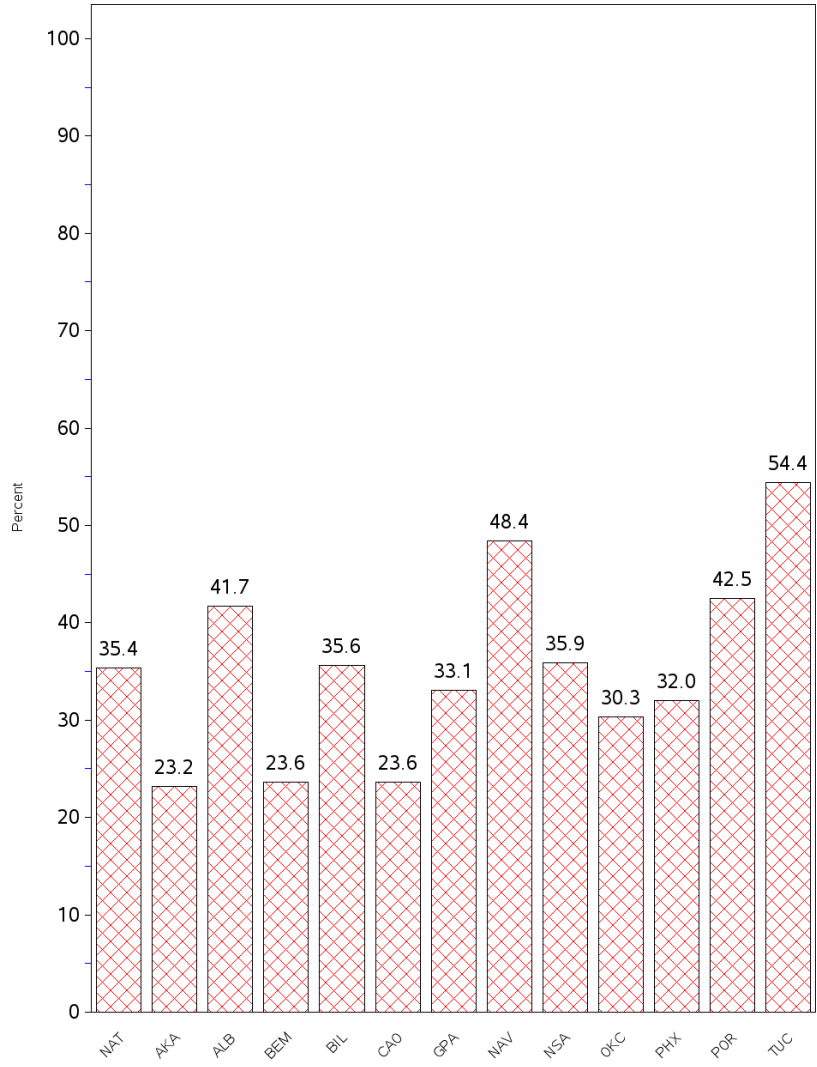
Doses are NOT deduplicated.

\*\* 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 03/10/2018



- 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	146	245
ALASKA	5	26
ALBUQUERQUE	11	18
BEMIDJI	8	10
BILLINGS	12	21
CALIFORNIA	19	29
GREAT PLAINS	15	30
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.