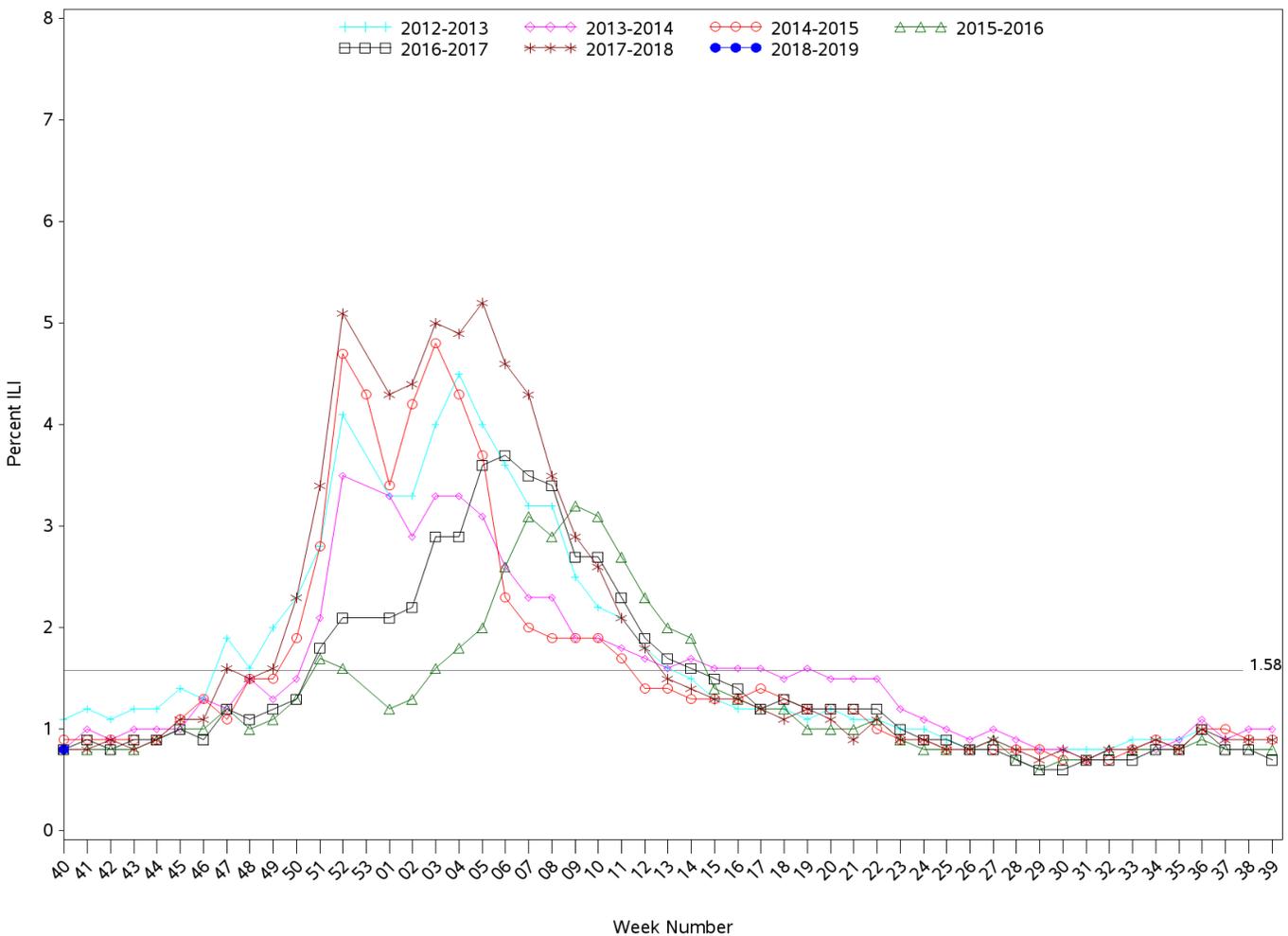




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
*IHS Influenza Awareness System (IIAS)*  
**(Week 40: 9/30/2018 – 10/06/2018)**

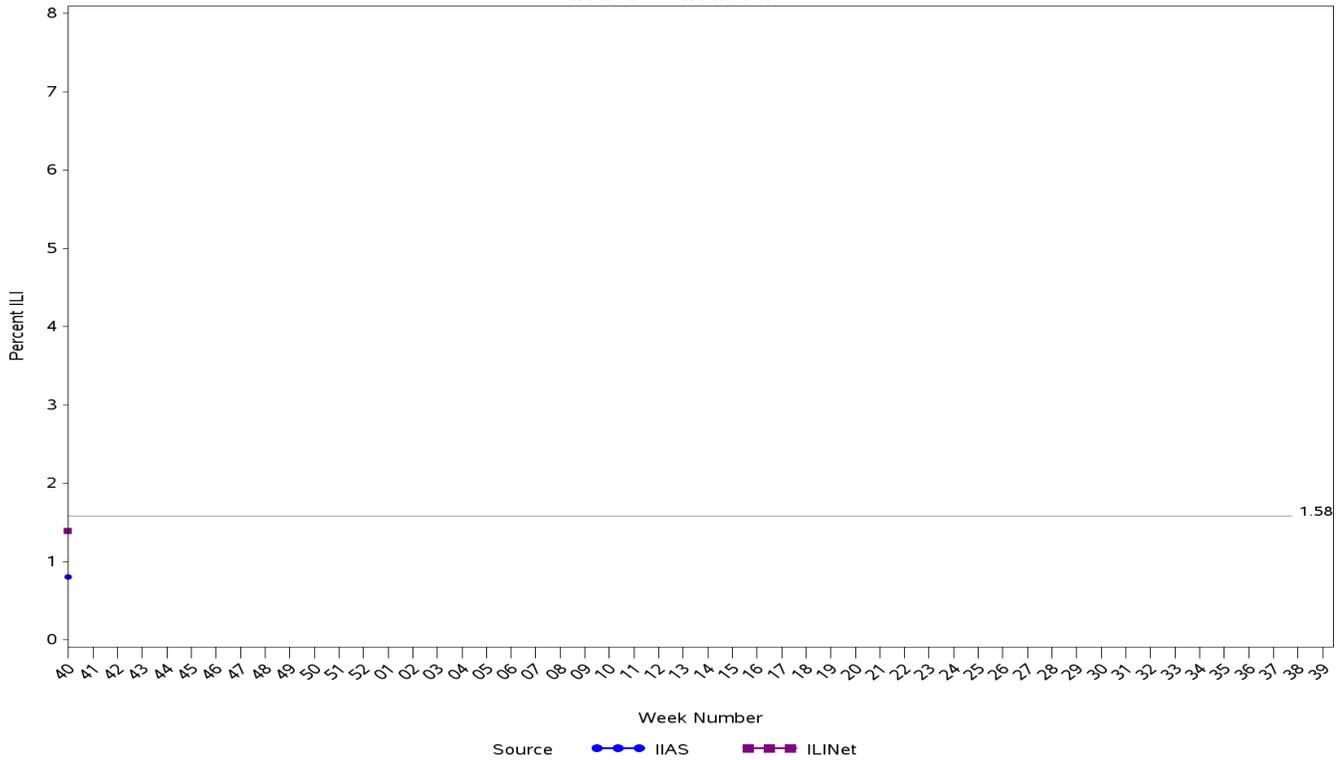
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.8%, below the IHS baseline of 1.58%
  - No IHS regions report having elevated ILI activity
- National ILI activity reported by CDC is low
  - CDC's ILINet ILI activity is 1.4% and is below the ILINet baseline (2.2%) and the IHS baseline (1.58%).
- To date, IHS has administered over 64,000 doses of influenza vaccine.
- Overall, 7.8% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas  
 Influenza-Like Illness (ILI) for Current Surveillance Year and Previous Six Surveillance Years  
 Percentage of Visits for ILI per week  
 9/30/12 to 10/06/18



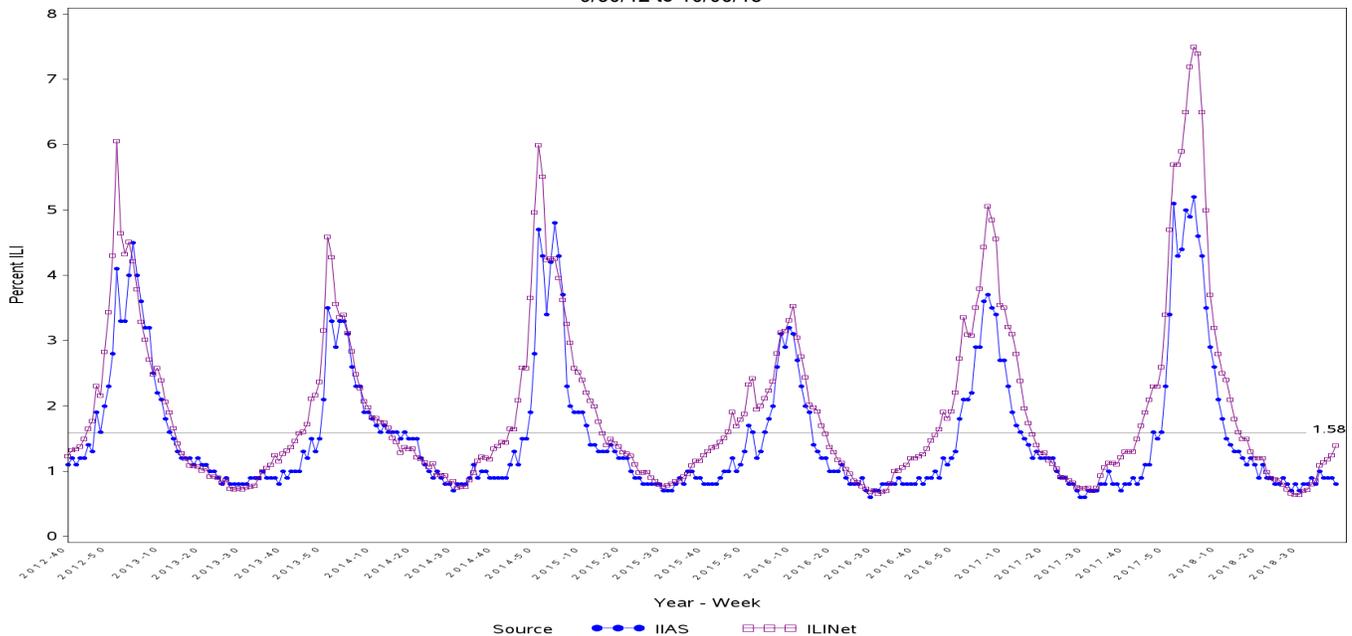
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line represents the 2018-2019 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2018 - 2019  
 IIAS vs. ILINet  
 9/30/18 to 10/06/2018



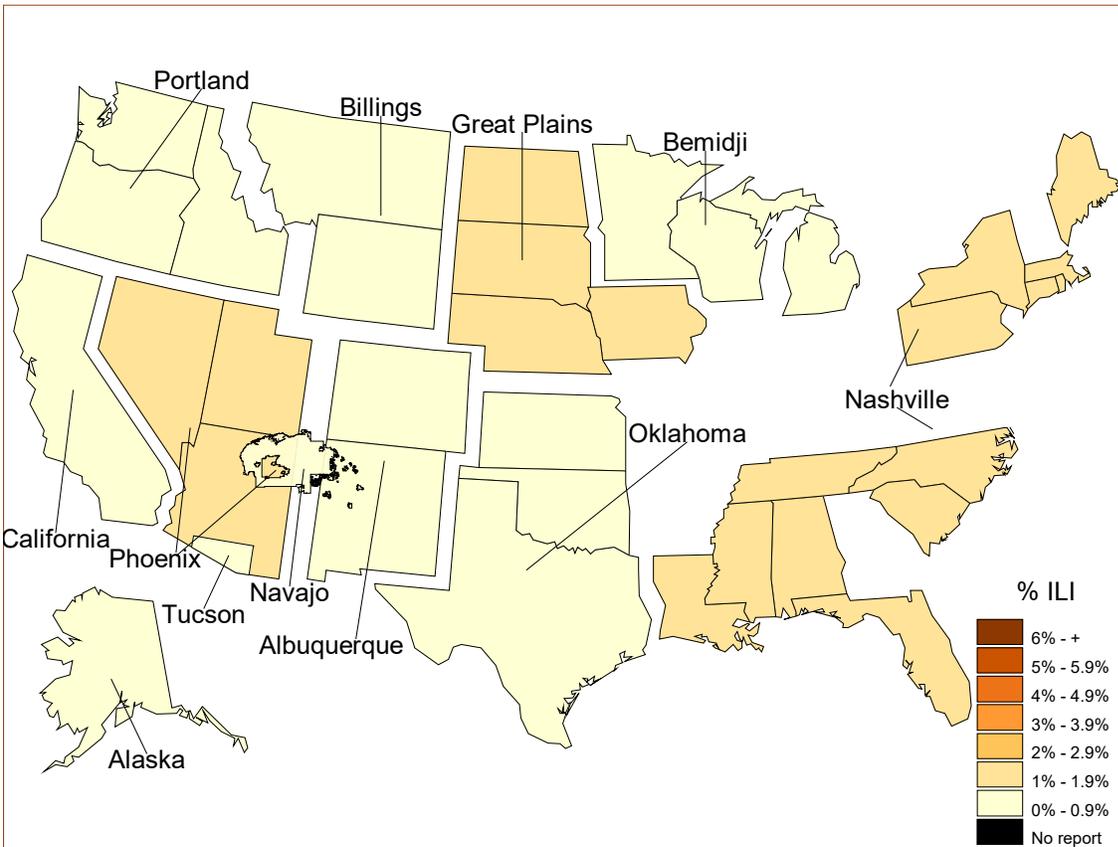
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the 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) for Current Surveillance Year and Previous Six Years - Continuous  
 Percentage of Visits for ILI per week  
 IIAS vs. ILINet  
 9/30/12 to 10/06/18



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 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: 40



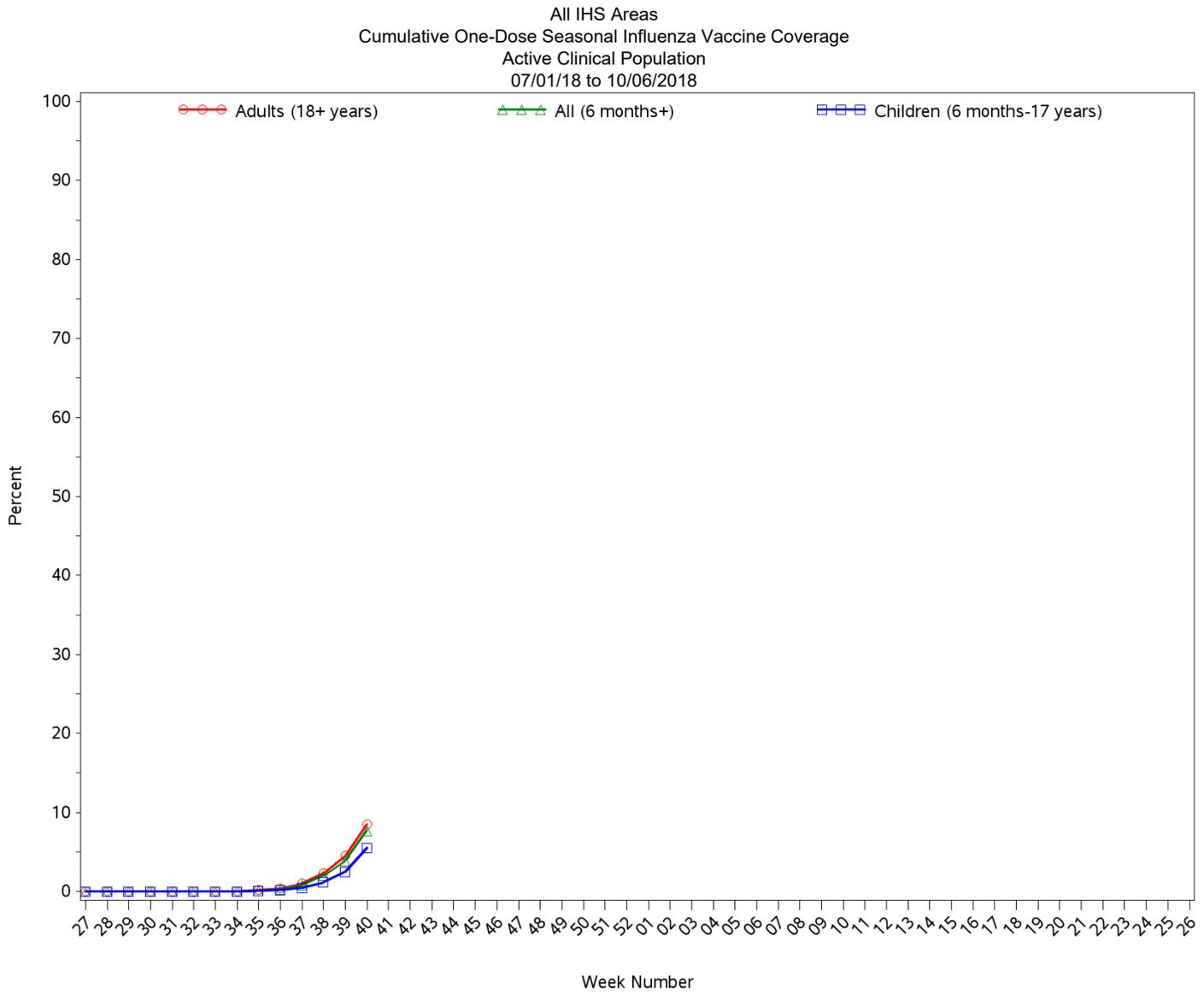
% Visits for ILI Compared to Previous Week

IHS Areas	Previous Week (39)	Current Week (40)
NATIONAL	0.9	0.8
ALASKA	0.6	0.8
ALBUQUERQUE	0.4	0.5
BEMIDJI	0.9	0.5
BILLINGS	0.8	0.8
CALIFORNIA	0.3	0.4
GREAT PLAINS	0.9	1.0
NASHVILLE	1.5	1.3
NAVAJO	0.9	0.7
OKLAHOMA	1.0	0.8
PHOENIX	1.3	1.2
PORTLAND	0.3	0.3
TUCSON	0.3	0.5

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

## IHS Influenza Vaccination Surveillance

- As of 10/06/2018, sites reporting to the IIAS have administered 64,753 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	3,370	2	0.1	0	0.0	2
6 - 23 months	16,932	1,358	8.0	8	0.0	1,367
2 - 4 years	43,088	2,078	4.8	11	0.0	2,092
5 - 17 years	169,492	9,415	5.6	25	0.0	9,455
18 - 49 years	349,225	22,413	6.4	68	0.0	22,556
50 - 64 years	149,327	16,332	10.9	58	0.0	16,447
65 + years	91,920	12,699	13.8	63	0.1	12,836
Children (6 months-17 years)	229,512	12,851	5.6	44	0.0	12,914
Adults (18 + years)	590,472	51,444	8.7	189	0.0	51,839
All (6 months +)	819,984	64,295	7.8	233	0.0	64,753

\* Limited to sites that exported both doses administered along with accompanying 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.

\*\*\*\* 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-LAIV4	CVX 150 FLU-IIV4pf	CVX 158 FLU-IIV4	CVX 161 IIV4pf ped	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	0	7	144	0	1	0	1,042	206	38	0	4	0	0	0	0	0	1,442
ALB	3	62	42	1	178	0	2,113	1,469	68	654	0	1	1	0	0	16	4,608
BEM	1	11	57	4	41	0	1,398	889	25	155	1	7	0	0	0	20	2,609
BIL	0	31	453	1	47	0	2,135	579	16	0	1	1	0	0	0	8	3,272
CAO	3	313	276	0	113	0	1,109	214	28	58	11	0	14	0	0	63	2,202
GPA	2	49	382	1	225	0	4,611	3,683	52	197	101	24	2	0	0	29	9,358
NSA	11	40	101	0	90	0	749	1,327	81	95	0	1	27	0	0	51	2,573
NAV	6	47	686	0	95	0	7,601	6,858	312	1	49	7	7	0	0	45	15,714
OKC	30	409	259	5	356	7	6,600	1,865	81	773	5	5	0	0	0	49	10,444
PHX	2	717	294	11	120	0	3,159	2,564	54	456	1	14	2	0	0	24	7,418
POR	11	53	221	17	73	0	2,580	981	46	132	37	199	10	0	0	23	4,383
TUC	1	14	7	0	0	0	874	37	0	0	0	0	0	0	0	8	941
	<b>70</b>	<b>1,753</b>	<b>2,922</b>	<b>40</b>	<b>1,339</b>	<b>7</b>	<b>33,971</b>	<b>20,672</b>	<b>801</b>	<b>2,521</b>	<b>210</b>	<b>259</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>336</b>	<b>64,964</b>

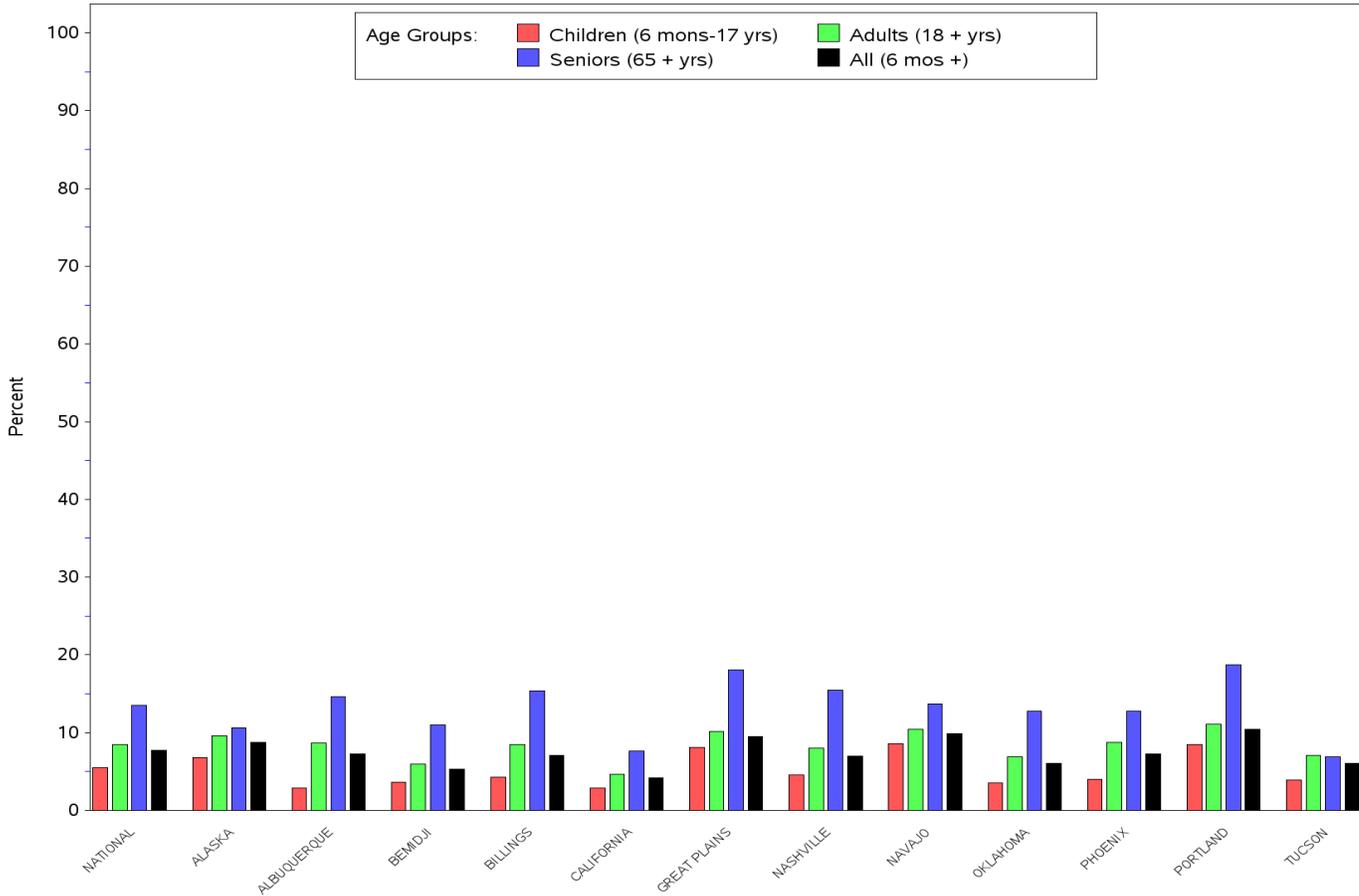
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

\*\* 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 (Children, Adults, Seniors and All)  
 % Seasonal Flu (At least 1 dose) for Active Clinical Population  
 07/01/18 to 10/06/2018



All IHS Areas  
 Influenza Vaccine Coverage by Age Groups (Children, Adults, Seniors and All)  
 % Seasonal Flu (At least 1 dose) for Active Clinical Population  
 07/01/18 to 10/06/2018

Area	Children (6 mos-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mos+)
NATIONAL	5.6	8.7	13.8	7.8
ALASKA	6.8	10.3	10.9	9.3
ALBUQUERQUE	3.0	8.9	14.8	7.5
BEMIDJI	3.9	6.2	11.3	5.6
BILLINGS	4.3	8.7	15.8	7.3
CALIFORNIA	3.0	4.9	7.9	4.4
GREAT PLAINS	8.2	10.4	18.5	9.7
NASHVILLE	4.6	8.2	15.9	7.2
NAVAJO	8.6	10.5	13.9	10.0
OKLAHOMA	3.5	7.3	13.3	6.4
PHOENIX	4.2	8.9	13.1	7.5
PORTLAND	8.5	11.2	19.0	10.5
TUCSON	4.0	7.2	7.1	6.2

- 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	143	252
ALASKA	4	25
ALBUQUERQUE	10	17
BEMIDJI	12	17
BILLINGS	11	19
CALIFORNIA	16	25
GREAT PLAINS	16	33
NASHVILLE	20	25
NAVAJO	7	19
OKLAHOMA	18	28
PHOENIX	14	23
PORTLAND	14	17
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.