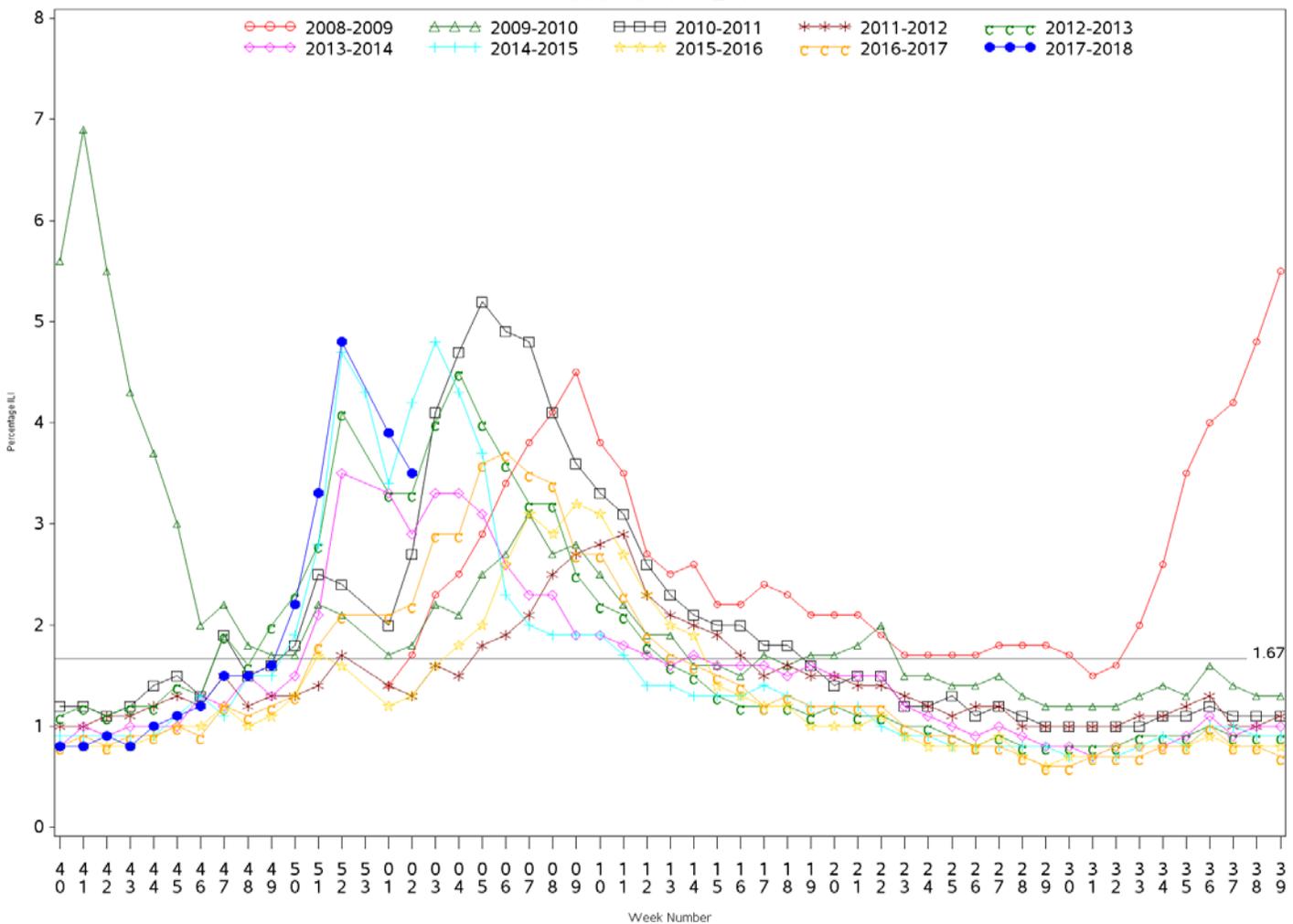




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 02: 01/07/2018 – 01/13/2018)

- Influenza-like-illness (ILI) activity in IHS is decreasing but remains elevated at 3.5%, above the IHS baseline of 1.67%
 - Eleven IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is elevated and increasing in a majority of US states
 - CDC's ILINet ILI activity is 5.8%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 296,000 doses of influenza vaccine.
- Overall, 31.0% of the IHS Active Clinical population received an influenza vaccine this season.

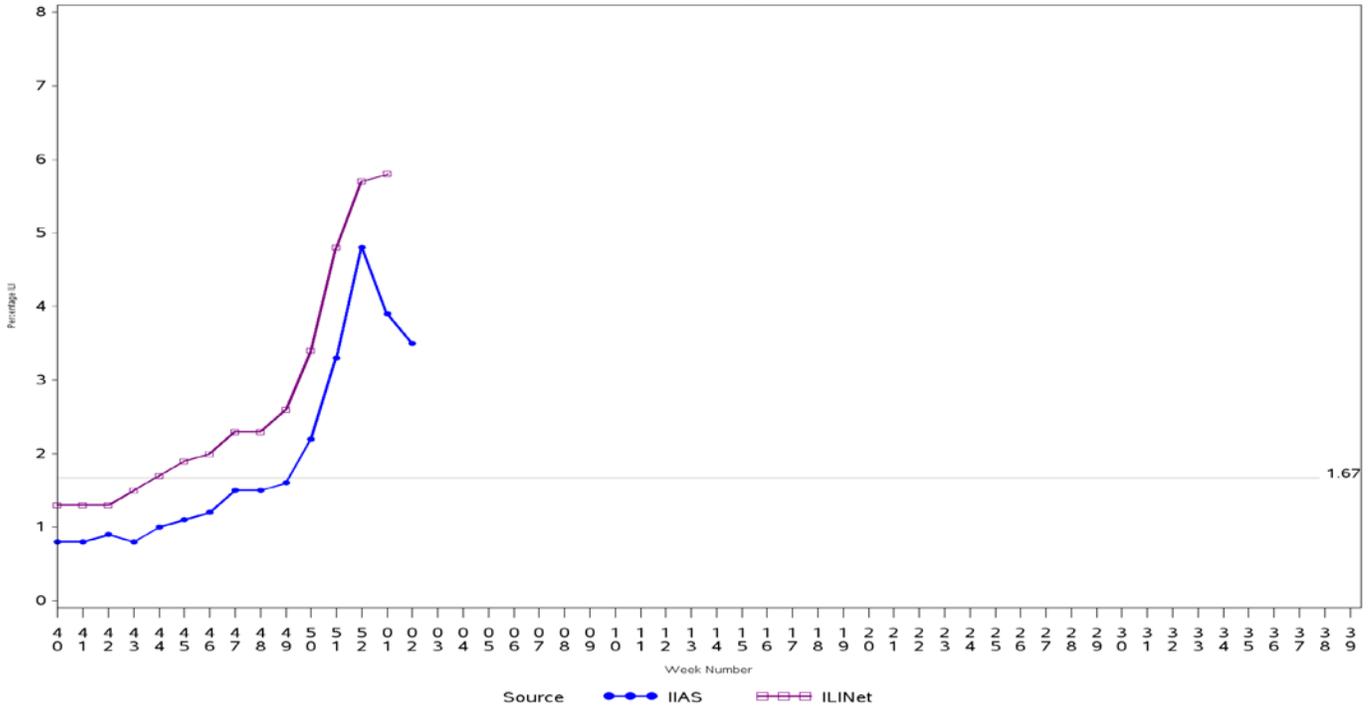
All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 01/13/2018



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 01/13/2018



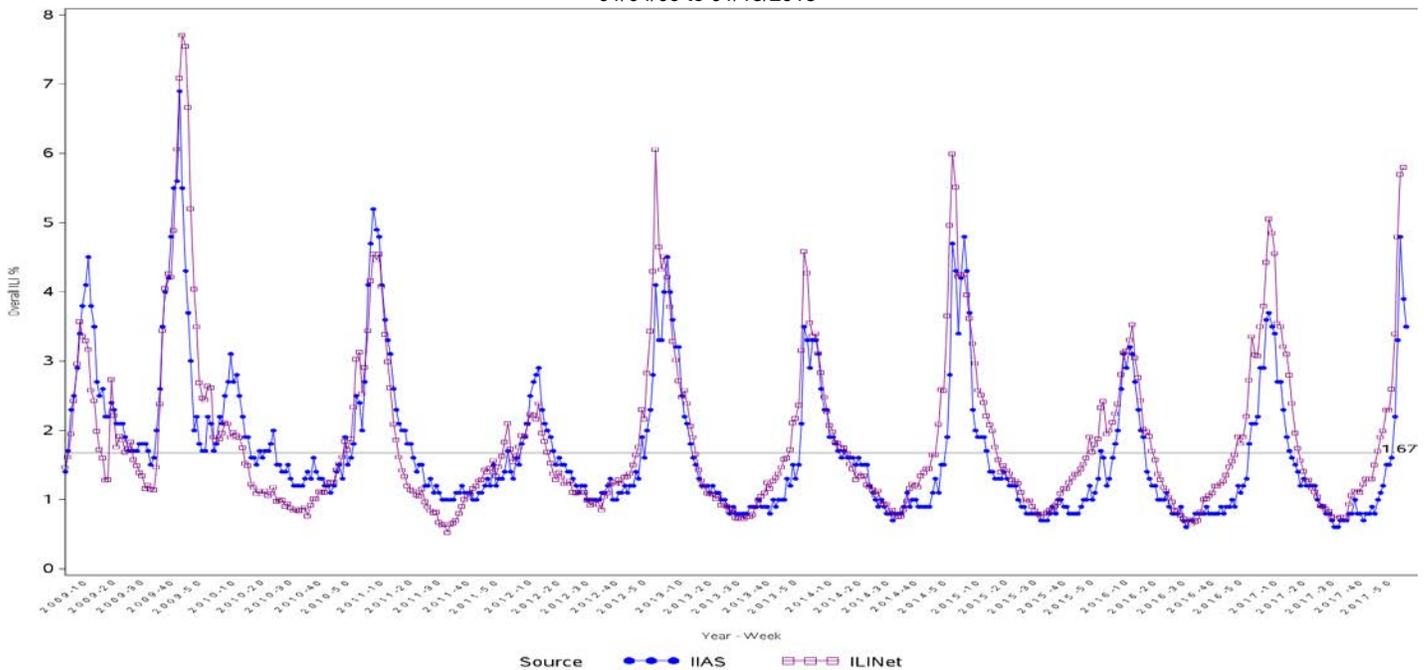
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 01/13/2018

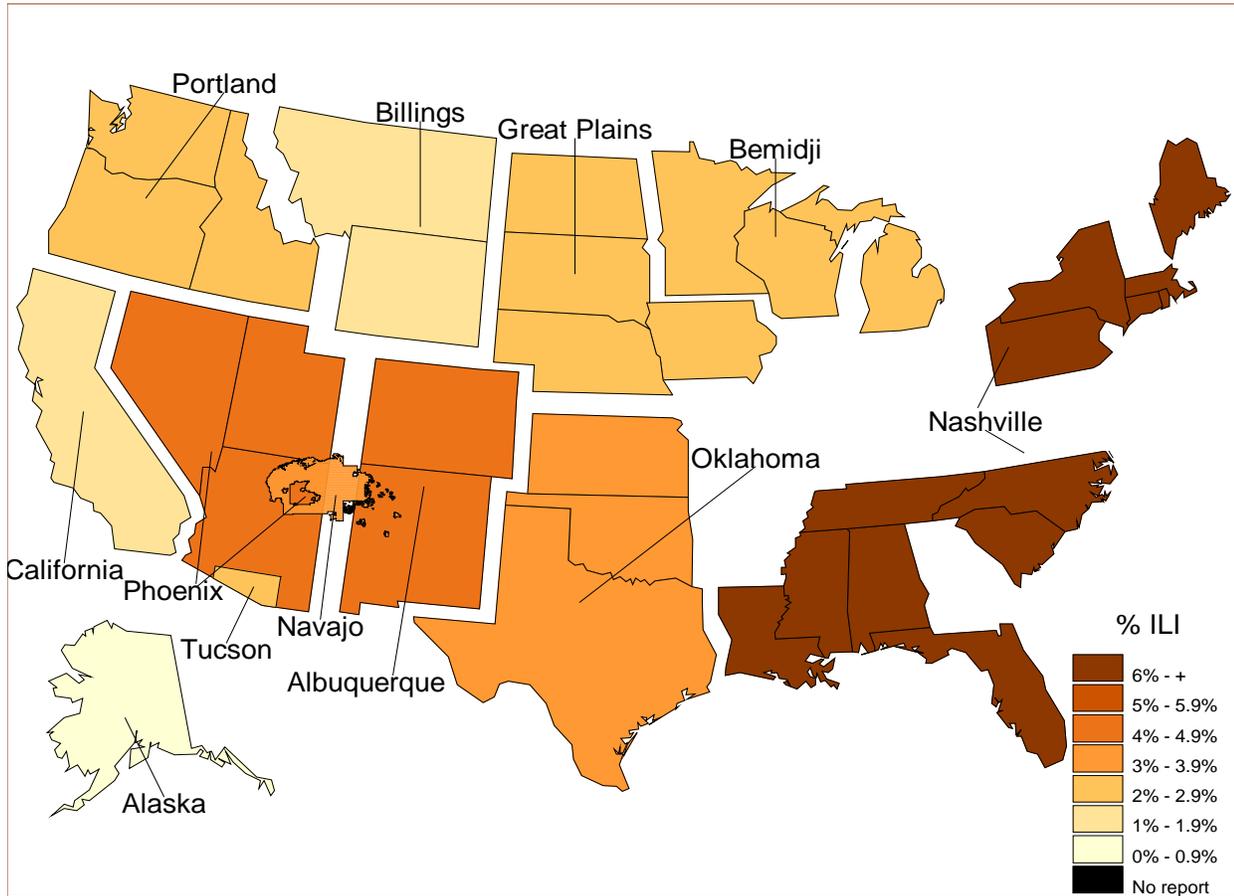


Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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, IAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by Region For Week: 02



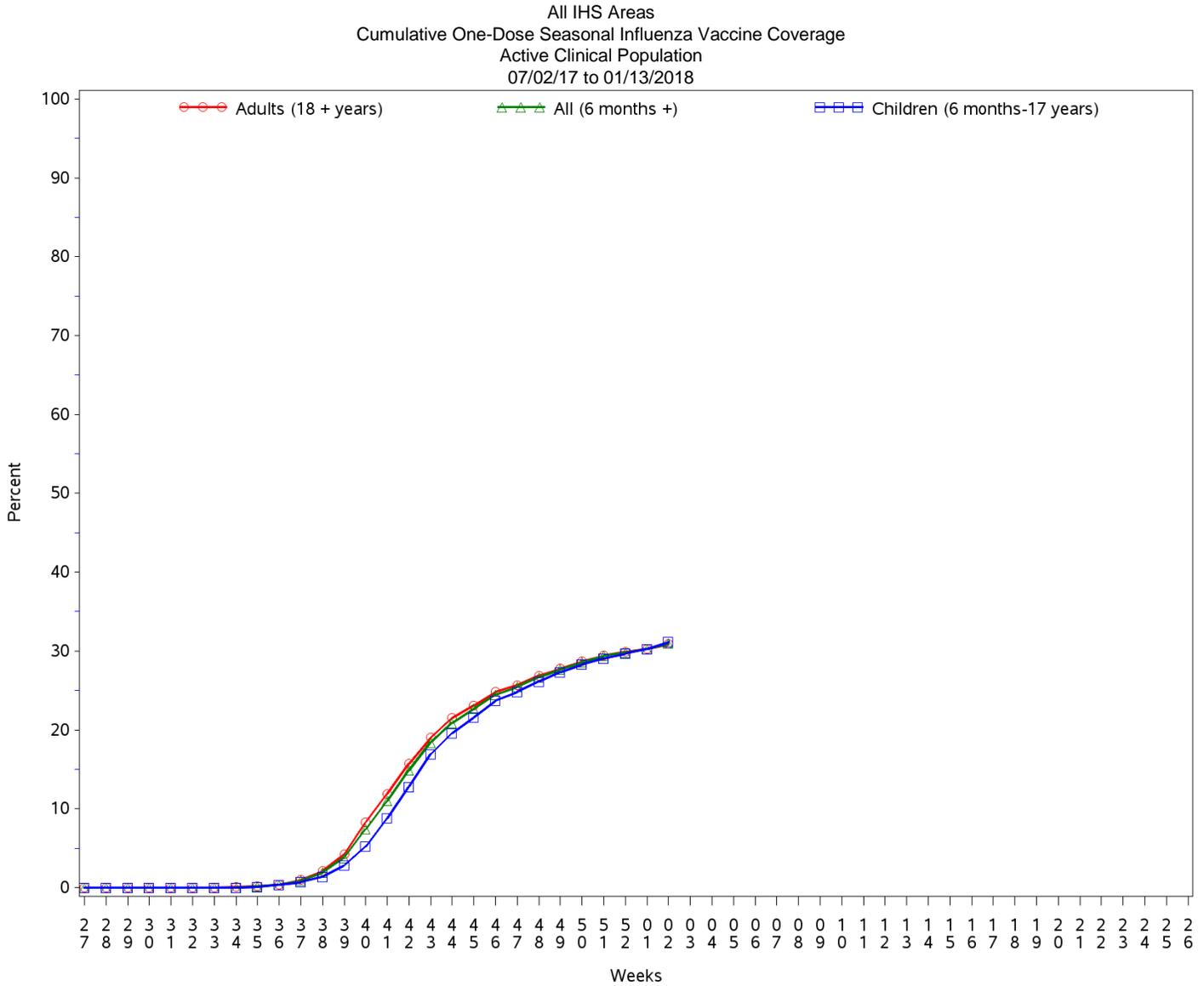
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 01	% in Week 02
NATIONAL	3.9	3.5
ALASKA	1.2	0.7
ALBUQUERQUE	5.0	4.3
BEMIDJI	2.0	2.9
BILLINGS	1.6	1.8
CALIFORNIA	1.9	1.8
GREAT PLAINS	1.8	2.1
NASHVILLE	6.4	6.6
NAVAJO	5.2	3.9
OKLAHOMA	3.0	3.4
PHOENIX	6.7	4.6
PORTLAND	1.8	2.5
TUCSON	4.4	2.2

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

IHS Influenza Vaccination Surveillance

- As of 01/13/2018, sites reporting to the IIAS have administered 296,638 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	4,236	45	1.1	0	0.0	45
6 - 23 months	20,504	9,869	48.1	2,059	10.0	11,949
2 - 4 years	51,430	13,879	27.0	316	0.6	14,219
5 - 17 years	196,380	59,930	30.5	293	0.1	60,366
18 - 49 years	402,108	95,209	23.7	457	0.1	95,959
50 - 64 years	170,040	64,916	38.2	304	0.2	65,433
65 + years	101,287	48,134	47.5	305	0.3	48,712
Children (6 months-17 years)	268,314	83,678	31.2	2,668	1.0	86,534
Adults (18 + years)	673,435	208,259	30.9	1,066	0.2	210,104
All (6 months +)	941,749	291,937	31.0	3,734	0.4	296,638

* 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	27	370	3	85	0	4,354	0	1,085	433	2	0	46	0	0	0	0	36	6,442
ALB	0	186	1,797	39	1,065	0	10,937	17	7,922	875	1,002	2	9	46	7	0	0	60	23,964
BEM	1	103	374	5	380	0	4,768	1	4,483	271	6	14	7	35	0	0	0	51	10,499
BIL	0	65	1,407	4	131	0	10,288	5	2,463	335	126	0	132	257	2	0	0	83	15,298
CAO	3	376	1,641	55	1,336	0	6,701	1	4,114	386	76	0	622	0	0	0	0	178	15,489
GPA	1	331	1,475	5	1,167	1	16,084	6	9,468	1,640	4	3	163	23	7	0	0	92	30,470
NSA	1	119	341	19	370	0	4,440	4	5,289	303	444	1	82	15	3	0	0	185	11,616
NAV	7	276	2,008	16	1,526	1	24,713	11	42,960	2,050	642	0	16	52	17	0	0	149	74,444
OKC	6	2,485	3,119	7	2,394	2	10,558	11	22,298	2,458	434	1	1,780	18	32	0	0	67	45,670
PHX	0	792	1,707	2	424	0	19,466	12	11,849	572	4	2	12	11	2	0	0	113	34,968
POR	5	280	1,469	296	431	0	7,465	20	8,278	570	898	66	926	259	14	0	0	164	21,141
TUC	0	30	31	20	1	0	6,918	0	81	29	0	0	0	0	0	0	0	37	7,147
	25	5,070	15,739	471	9,310	4	126,692	88	120,290	9,922	3,638	89	3,795	716	84	0	0	1,215	297,148

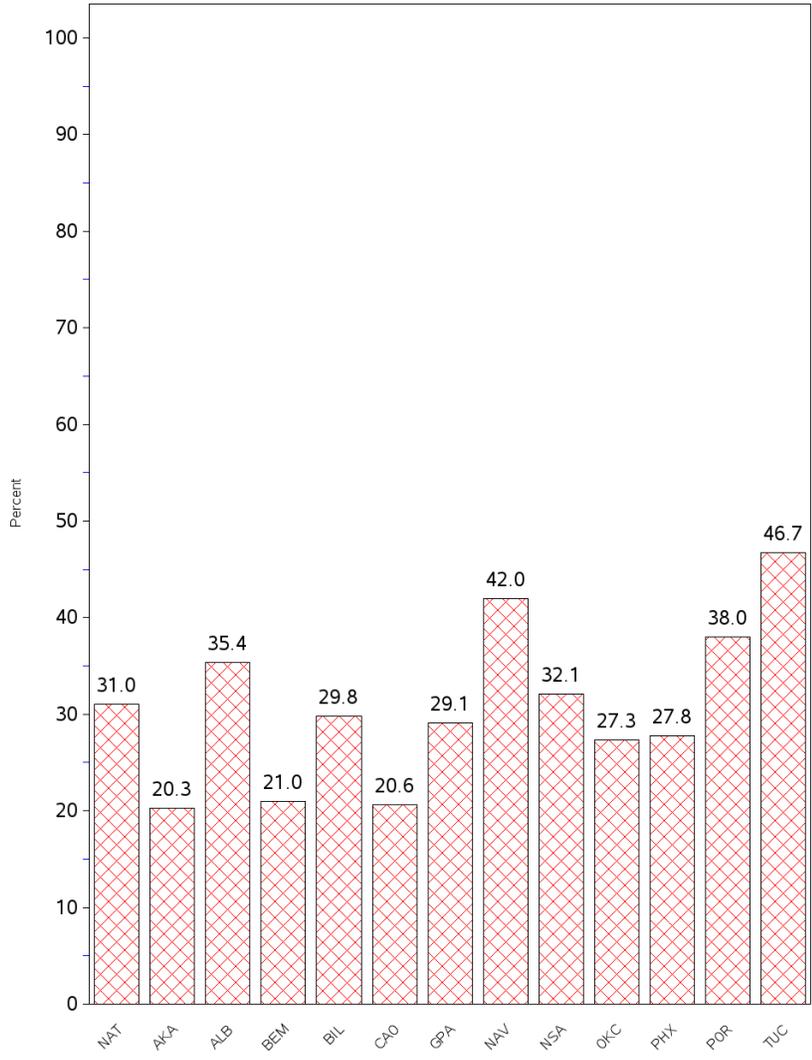
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 01/13/2018



- This report includes data from the following number of Resource and Patient Management System (RPMS) databases:

IHS Area	# of RPMS Databases Reporting*	# of Facilities Reporting**
NATIONAL	146	273
ALASKA	5	50
ALBUQUERQUE	12	20
BEMIDJI	7	10
BILLINGS	11	20
CALIFORNIA	11	16
GREAT PLAINS	17	32
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	19	26
PHOENIX	14	23
PORTLAND	21	25
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.