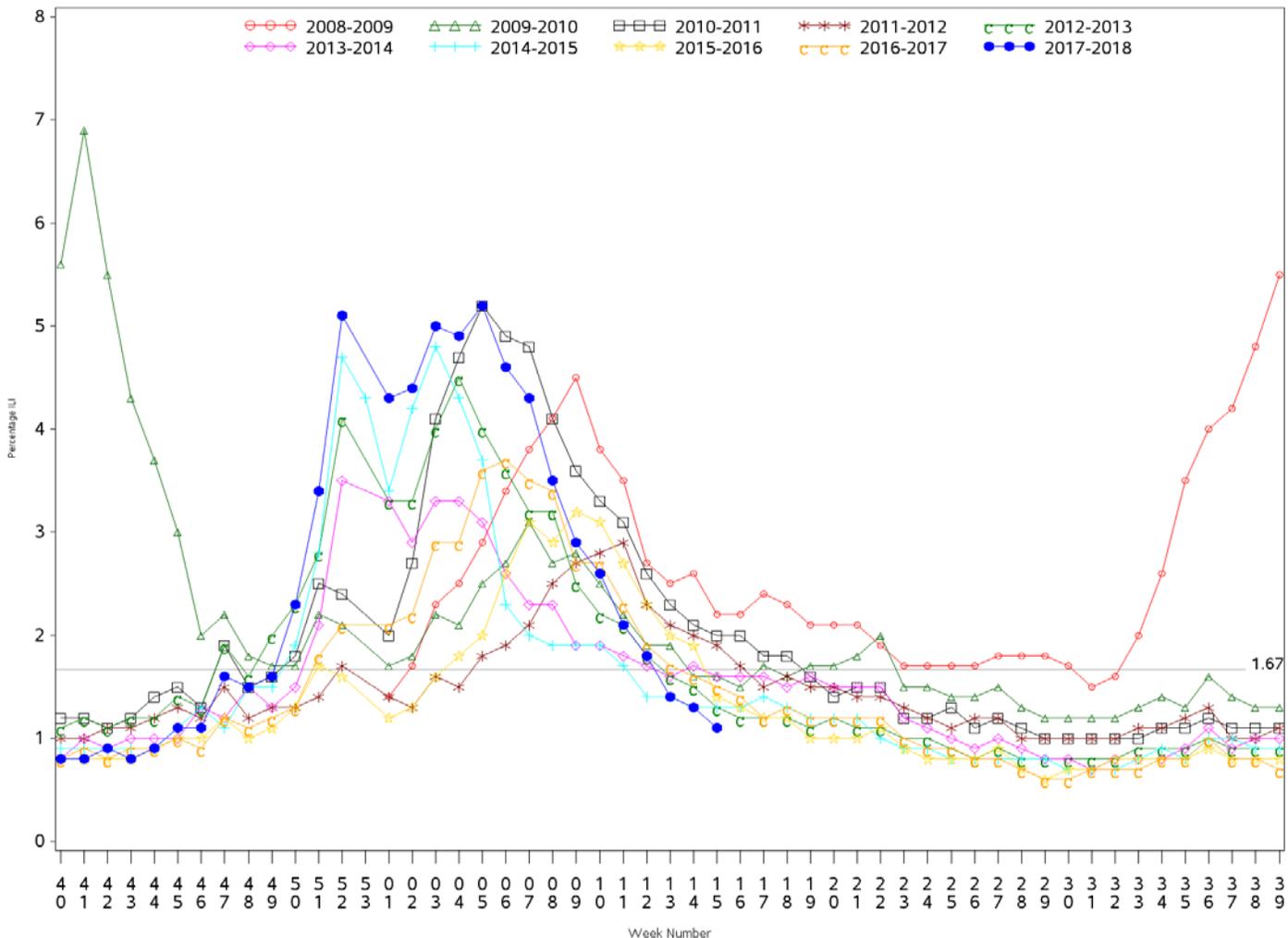




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 15: 04/08/2018 – 04/14/2018)

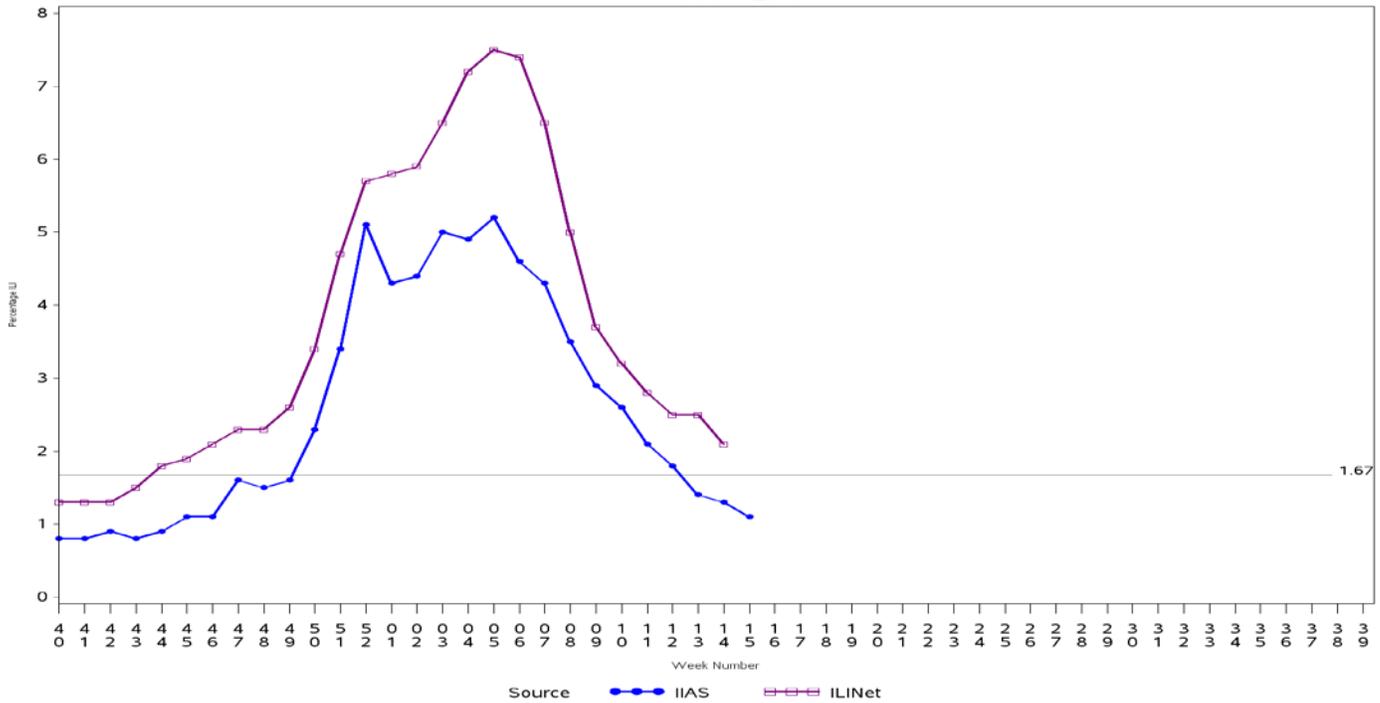
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.1%, below the IHS baseline of 1.67%
 - No IHS regions report having elevated ILI activity
- National ILI activity reported by CDC remains elevated in a few US states
 - CDC's ILINet ILI activity is 2.1%, down from 2.4% reported in week 13, and is below the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 351,000 doses of influenza vaccine.
- Overall, 36.4% 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 04/14/2018



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 04/14/2018



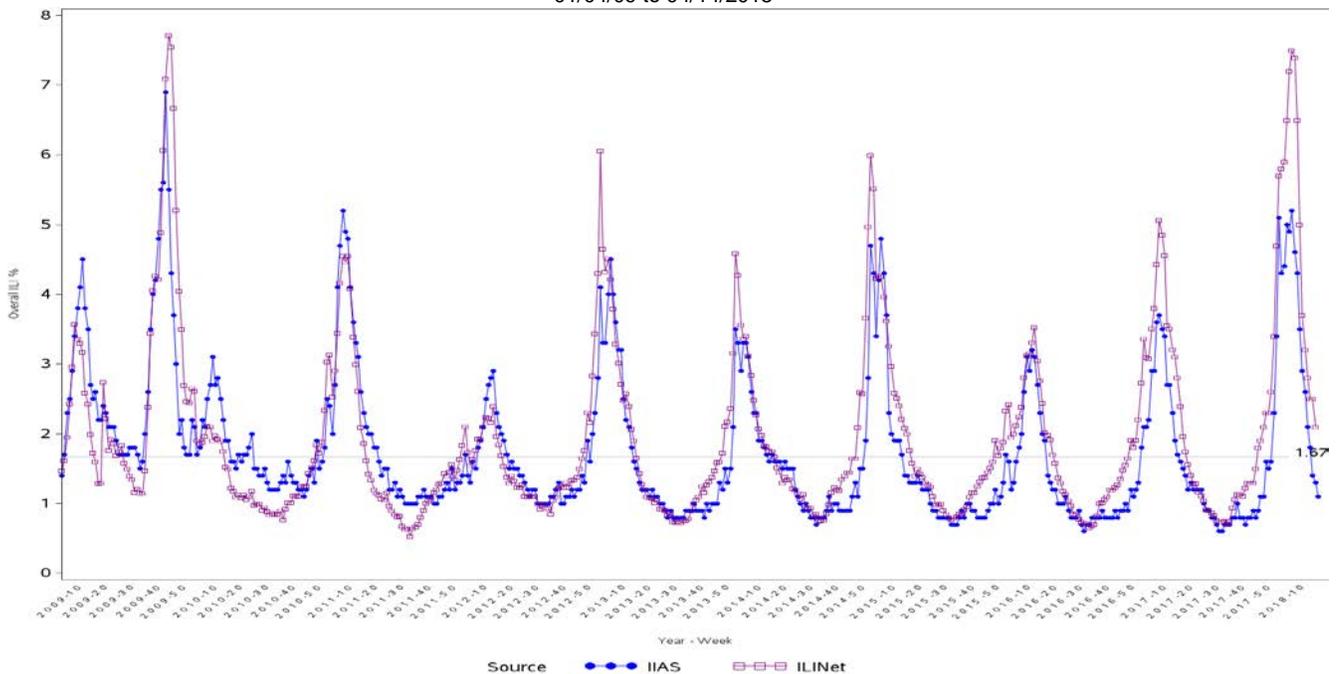
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 04/14/2018



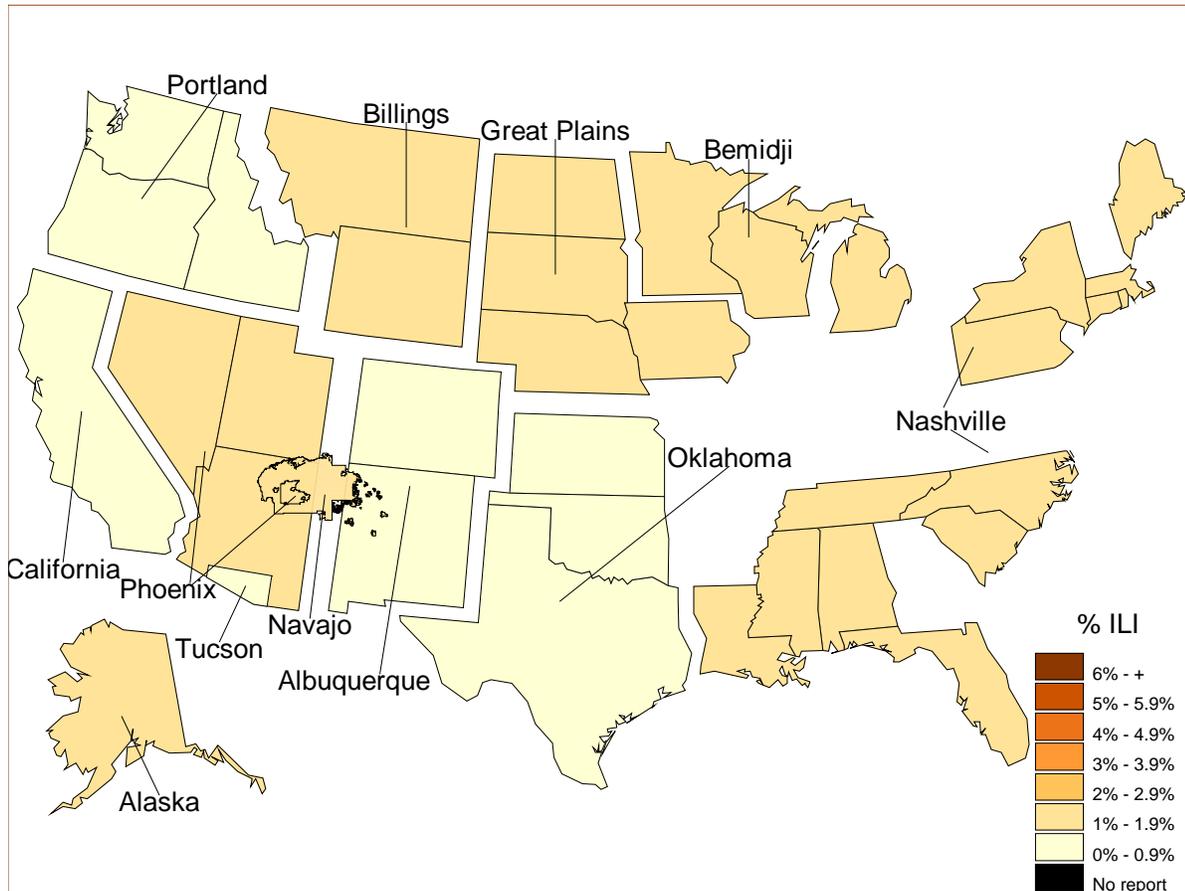
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The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.

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: 15



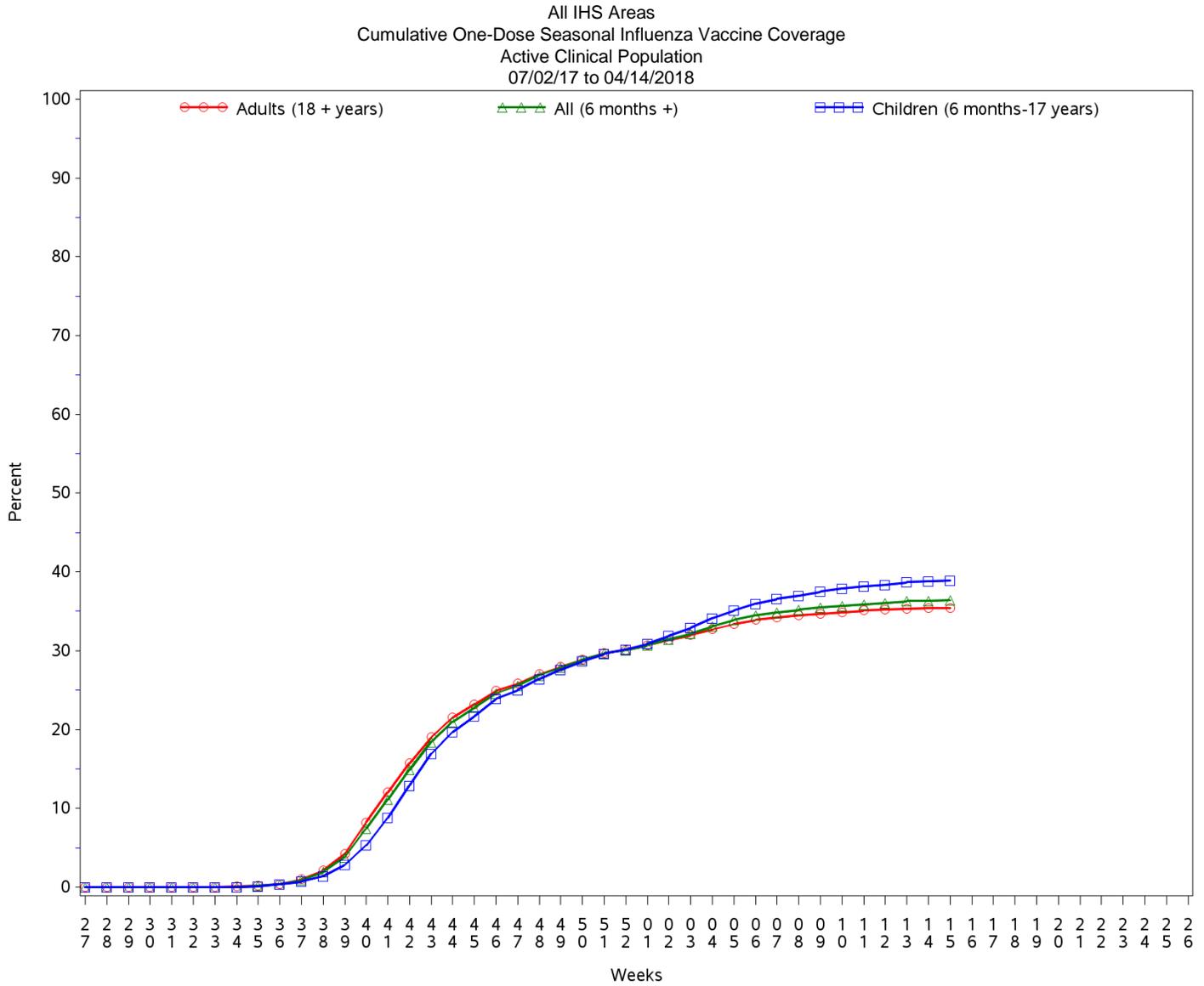
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 14	% in Week 15
NATIONAL	1.3	1.1
ALASKA	2.2	1.0
ALBUQUERQUE	0.6	0.6
BEMIDJI	2.4	1.0
BILLINGS	2.7	1.4
CALIFORNIA	0.3	0.7
GREAT PLAINS	1.6	1.6
NASHVILLE	1.9	1.5
NAVAJO	1.3	1.0
OKLAHOMA	0.6	0.4
PHOENIX	1.7	1.6
PORTLAND	1.1	0.8
TUCSON	0.6	0.7

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

IHS Influenza Vaccination Surveillance

- As of 04/14/2018, sites reporting to the IAS have administered 351,393 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	4,099	105	2.6	0	0.0	105
6 - 23 months	20,714	13,318	64.3	4,491	21.7	17,844
2 - 4 years	50,978	18,023	35.4	785	1.5	18,844
5 - 17 years	195,905	72,691	37.1	459	0.2	73,342
18 - 49 years	402,100	112,527	28.0	633	0.2	113,502
50 - 64 years	170,664	73,779	43.2	414	0.2	74,451
65 + years	102,528	52,698	51.4	410	0.4	53,410
Children (6 months-17 years)	267,597	104,032	38.9	5,735	2.1	110,030
Adults (18 + years)	675,292	239,004	35.4	1,457	0.2	241,363
All (6 months +)	942,889	343,036	36.4	7,192	0.8	351,393

* 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	41	435	7	103	0	5,155	0	1,125	578	2	0	48	0	0	0	0	42	7,537
ALB	1	218	1,939	58	1,271	0	13,553	17	9,399	1,158	1,198	2	15	51	135	0	0	70	29,085
BEM	1	140	449	23	474	0	6,254	4	5,491	444	6	19	8	46	0	0	0	65	13,424
BIL	0	88	1,526	4	152	0	12,900	5	3,113	461	133	0	138	261	2	0	0	95	18,878
CAO	7	446	1,819	62	1,586	1	8,304	2	5,081	520	100	1	693	1	15	0	0	198	18,836
GPA	1	399	1,581	8	1,442	1	18,353	30	11,519	2,327	4	3	269	40	9	0	0	105	36,091
NSA	2	132	359	20	443	0	5,060	5	6,025	374	514	1	88	20	4	0	0	228	13,275
NAV	15	416	2,220	25	1,793	2	29,354	12	50,915	2,829	783	0	25	68	24	0	0	181	88,662
OKC	7	2,901	3,259	7	2,814	2	12,161	15	24,353	3,198	485	1	2,278	19	33	0	0	82	51,615
PHX	0	995	1,841	22	486	0	23,411	13	13,779	915	6	2	13	22	3	0	0	140	41,648
POR	7	380	1,551	355	482	0	8,757	20	9,378	758	1,005	70	990	329	20	0	0	189	24,291
TUC	0	38	36	24	3	0	8,466	0	96	37	0	0	0	0	0	0	0	46	8,746
	42	6,194	17,015	615	11,049	6	151,728	123	140,274	13,599	4,236	99	4,565	857	245	0	0	1,441	352,088

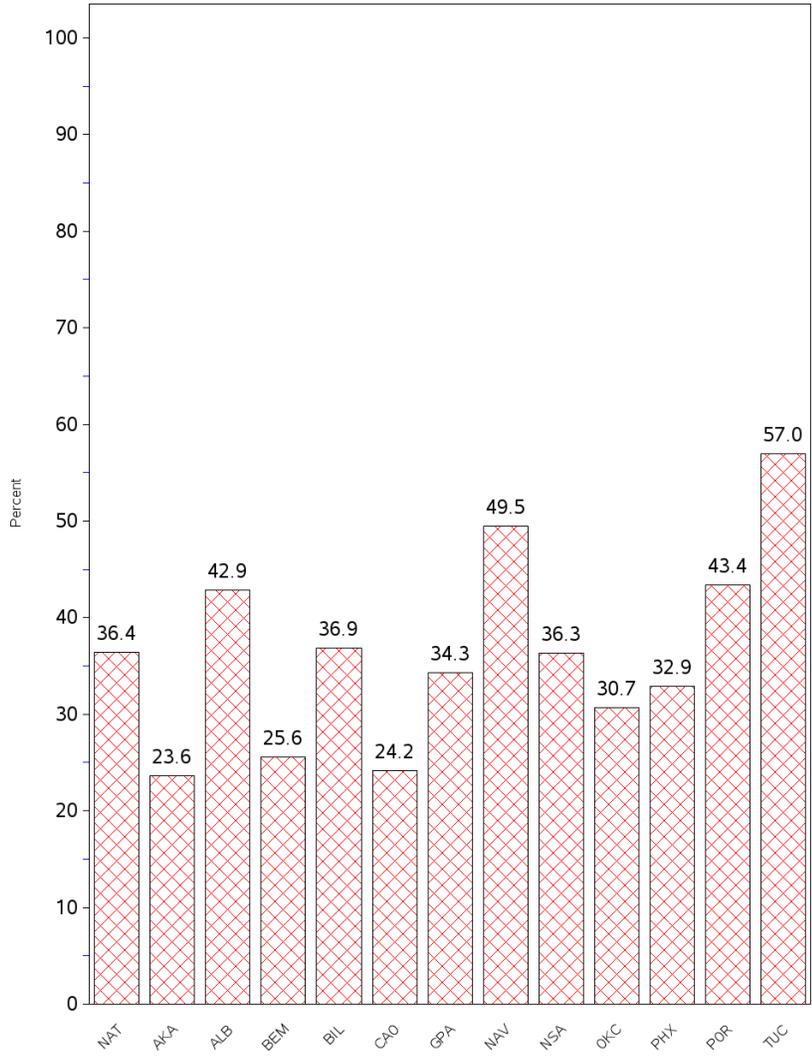
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 04/14/2018



- 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	140	236
ALASKA	5	23
ALBUQUERQUE	11	18
BEMIDJI	1	1
BILLINGS	12	20
CALIFORNIA	19	30
GREAT PLAINS	16	31
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	17	21
PHOENIX	11	19
PORTLAND	19	22
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.