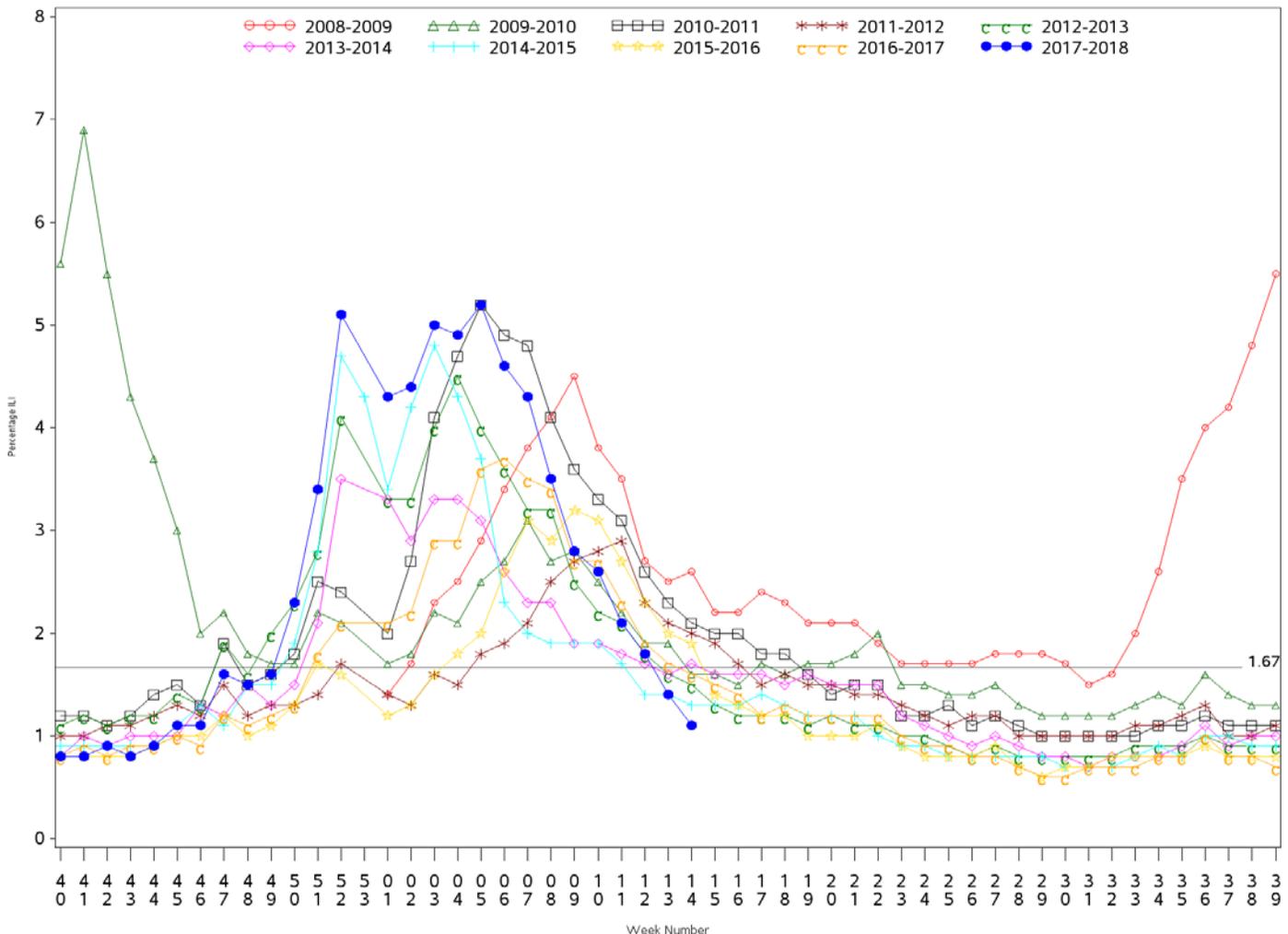




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 14: 04/01/2018 – 04/07/2018)

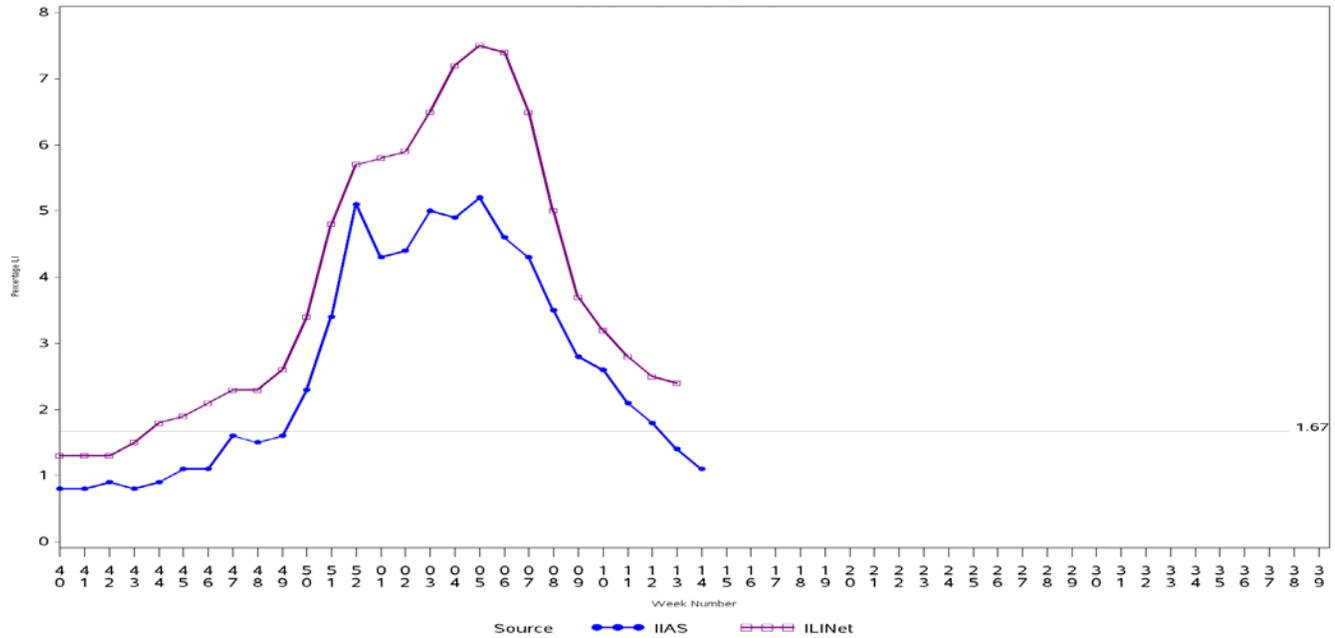
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.1%, below the IHS baseline of 1.67%
 - Four IHS regions report having elevated ILI activity
- National ILI activity reported by CDC remains elevated in a few US states
 - CDC's ILINet ILI activity is 2.4%, down from 2.5% reported in week 12, and remains above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 350,000 doses of influenza vaccine.
- Overall, 36.3% 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 04/07/2018



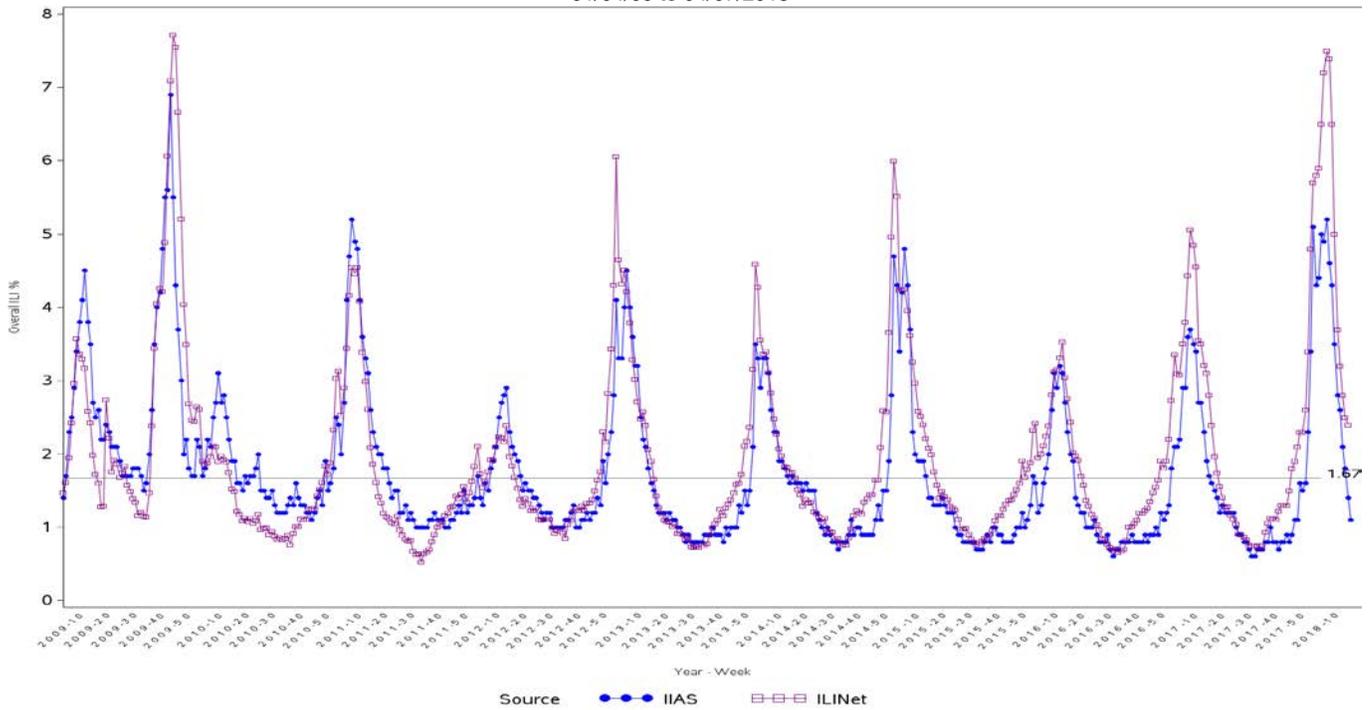
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 04/07/2018



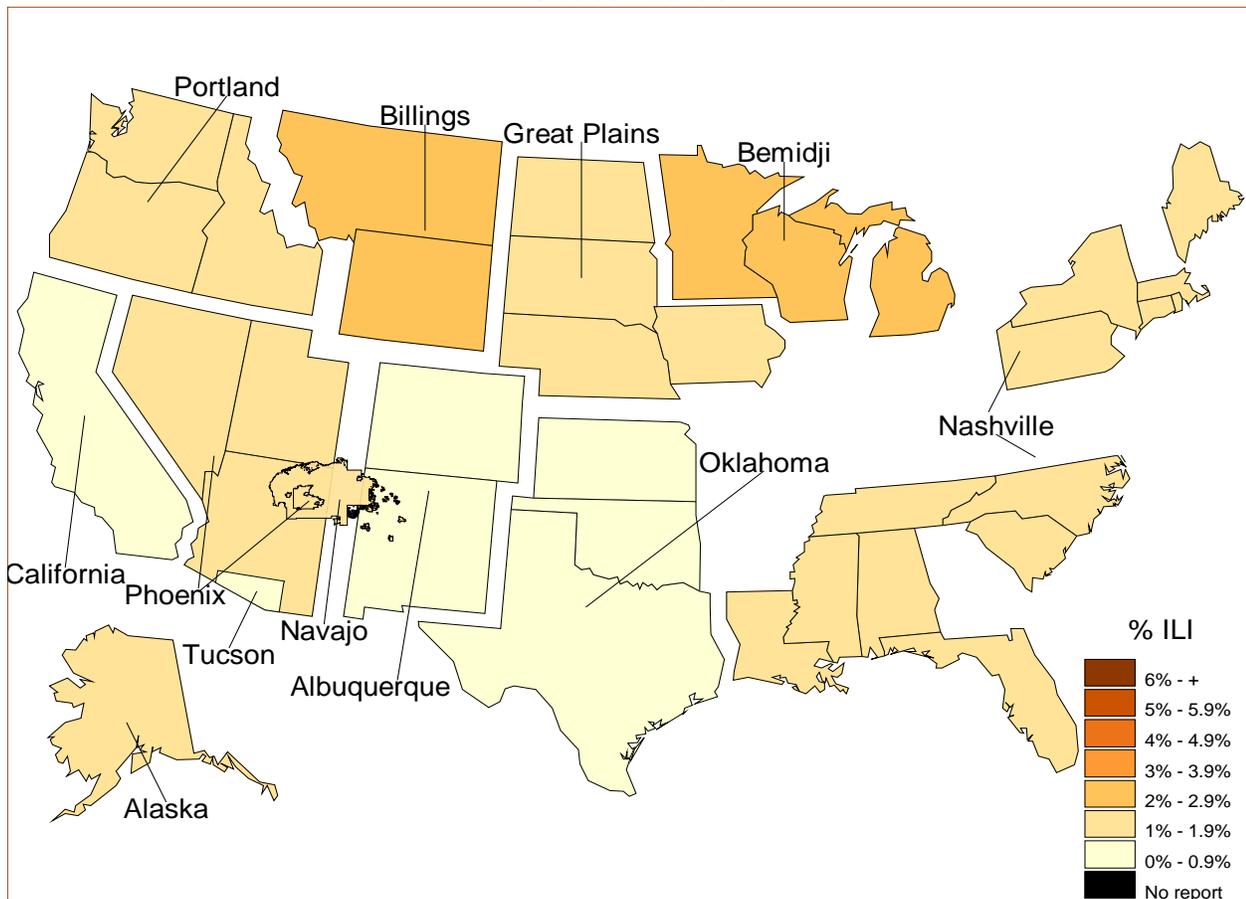
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 04/07/2018



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: 14



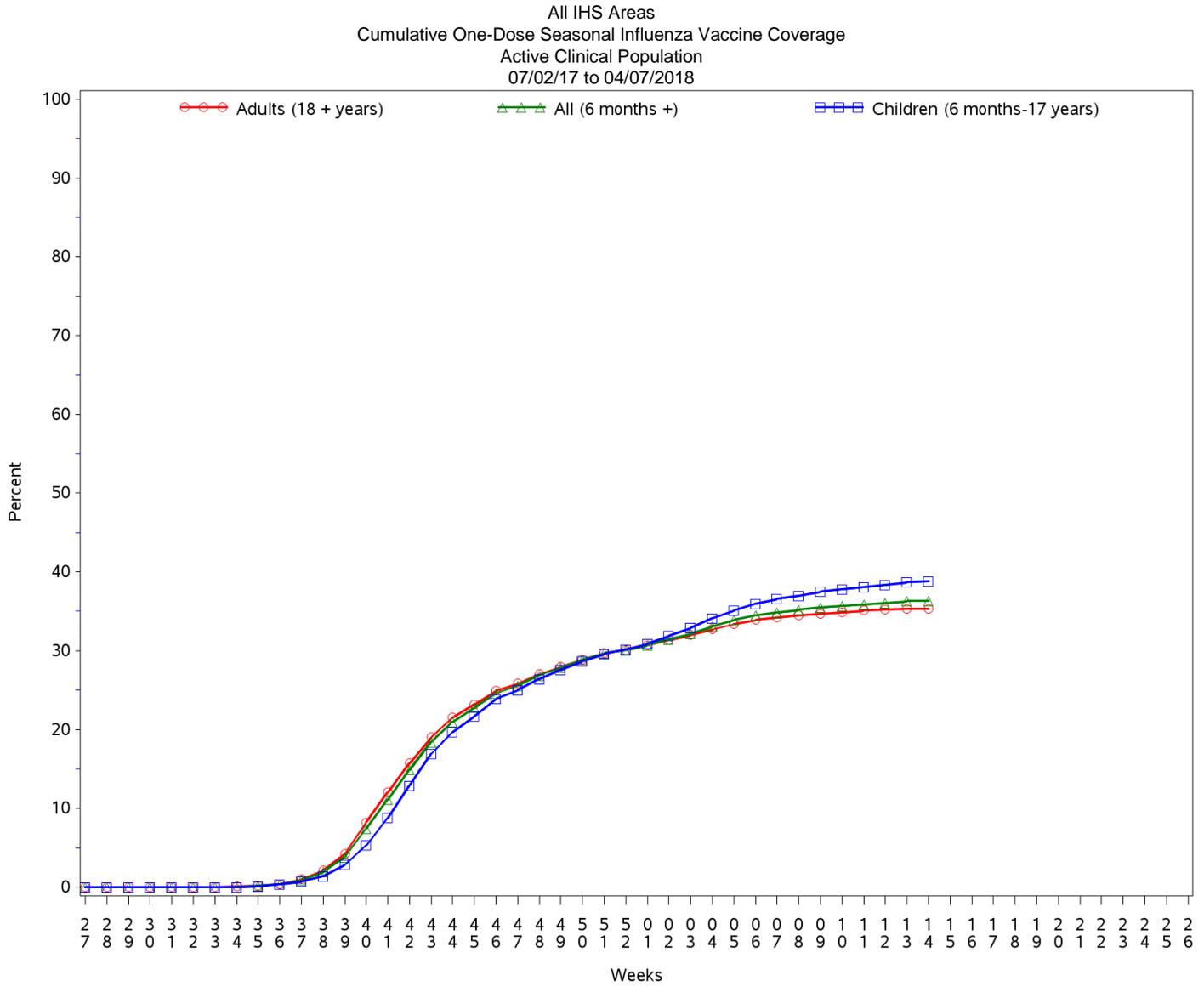
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 13	% in Week 14
NATIONAL	1.4	1.1
ALASKA	0.9	1.9
ALBUQUERQUE	0.9	0.6
BEMIDJI	1.6	2.4
BILLINGS	1.7	2.7
CALIFORNIA	1.1	0.2
GREAT PLAINS	1.7	1.5
NASHVILLE	1.8	1.8
NAVAJO	1.5	1.0
OKLAHOMA	0.7	0.5
PHOENIX	1.7	1.5
PORTLAND	1.1	1.0
TUCSON	0.8	0.6

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

IHS Influenza Vaccination Surveillance

- As of 04/07/2018, sites reporting to the IIAS have administered 350,655 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	103	2.5	0	0.0	103
6 - 23 months	20,714	13,228	63.9	4,400	21.2	17,663
2 - 4 years	50,978	17,952	35.2	766	1.5	18,754
5 - 17 years	195,905	72,557	37.0	456	0.2	73,205
18 - 49 years	402,100	112,313	27.9	632	0.2	113,287
50 - 64 years	170,664	73,707	43.2	411	0.2	74,376
65 + years	102,528	52,661	51.4	408	0.4	53,370
Children (6 months-17 years)	267,597	103,737	38.8	5,622	2.1	109,622
Adults (18 + years)	675,292	238,681	35.3	1,451	0.2	241,033
All (6 months +)	942,889	342,418	36.3	7,073	0.8	350,655

* 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	41	434	6	103	0	5,152	0	1,125	577	2	0	48	0	0	0	0	41	7,530
ALB	1	218	1,938	58	1,269	0	13,507	17	9,383	1,151	1,195	2	15	51	133	0	0	70	29,008
BEM	1	140	449	23	474	0	6,254	4	5,490	444	6	19	8	46	0	0	0	65	13,423
BIL	0	88	1,525	4	152	0	12,858	5	3,104	459	133	0	138	261	2	0	0	96	18,825
CAO	6	444	1,812	62	1,584	0	8,286	2	5,062	501	100	1	693	1	15	0	0	196	18,765
GPA	1	395	1,581	8	1,440	1	18,319	30	11,499	2,310	4	3	264	40	9	0	0	104	36,008
NSA	2	132	358	20	443	0	5,058	5	6,023	370	514	1	88	20	4	0	0	227	13,265
NAV	12	414	2,218	25	1,788	2	29,320	12	50,842	2,808	782	0	25	68	24	0	0	181	88,521
OKC	7	2,895	3,256	7	2,809	2	12,133	15	24,337	3,182	485	1	2,277	19	33	0	0	82	51,540
PHX	0	994	1,841	22	486	0	23,341	13	13,737	916	6	2	12	22	3	0	0	139	41,534
POR	7	379	1,551	355	482	0	8,747	20	9,372	755	1,001	70	990	329	20	0	0	189	24,267
TUC	0	38	36	24	1	0	8,394	0	92	37	0	0	0	0	0	0	0	46	8,668
	38	6,178	16,999	614	11,031	5	151,369	123	140,066	13,510	4,228	99	4,558	857	243	0	0	1,436	351,354

* 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.

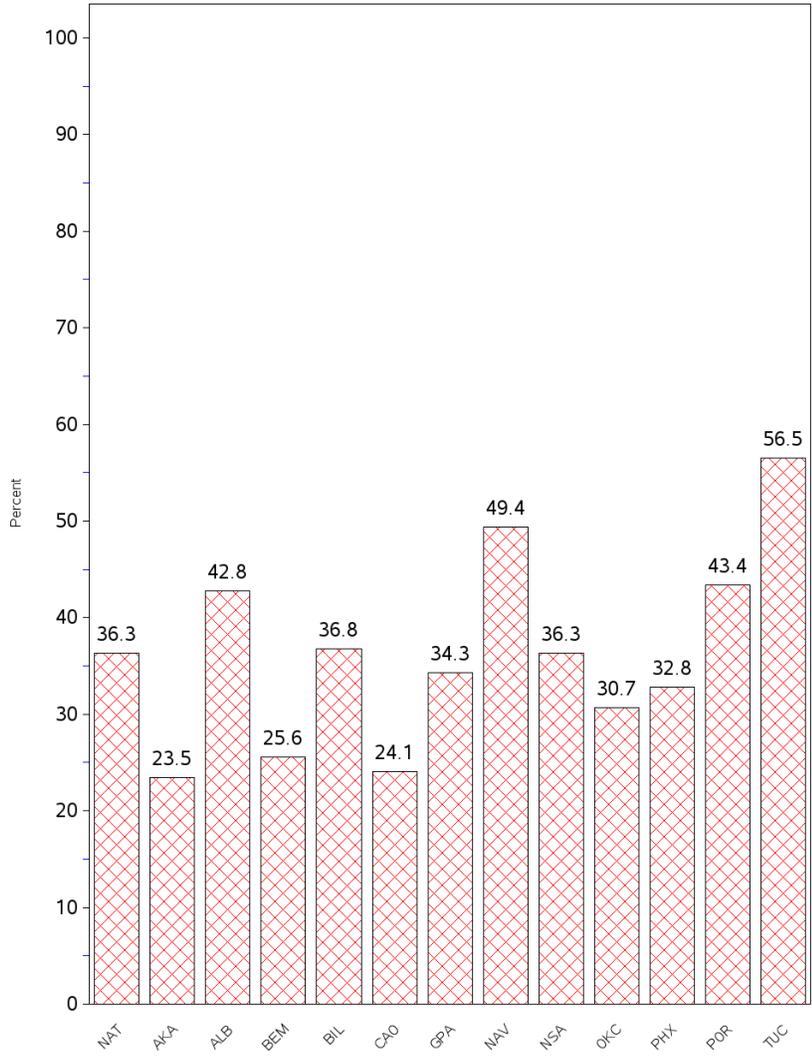
Doses are NOT deduplicated.

** 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 04/07/2018



- 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	142	236
ALASKA	5	26
ALBUQUERQUE	11	18
BEMIDJI	1	1
BILLINGS	12	19
CALIFORNIA	19	28
GREAT PLAINS	16	32
NASHVILLE	20	24
NAVAJO	8	22
OKLAHOMA	17	21
PHOENIX	12	19
PORTLAND	20	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.