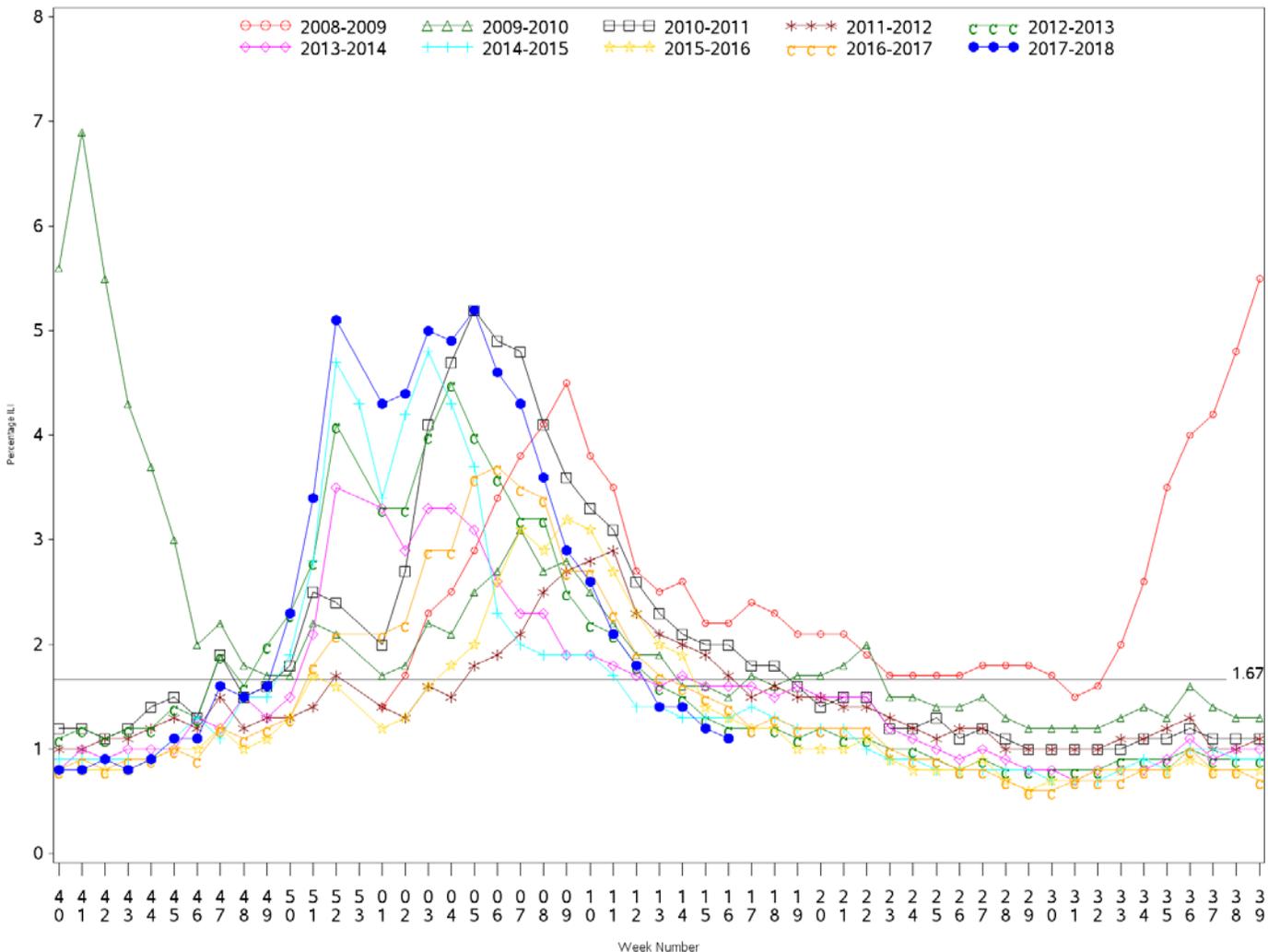




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 16: 04/15/2018 – 04/21/2018)

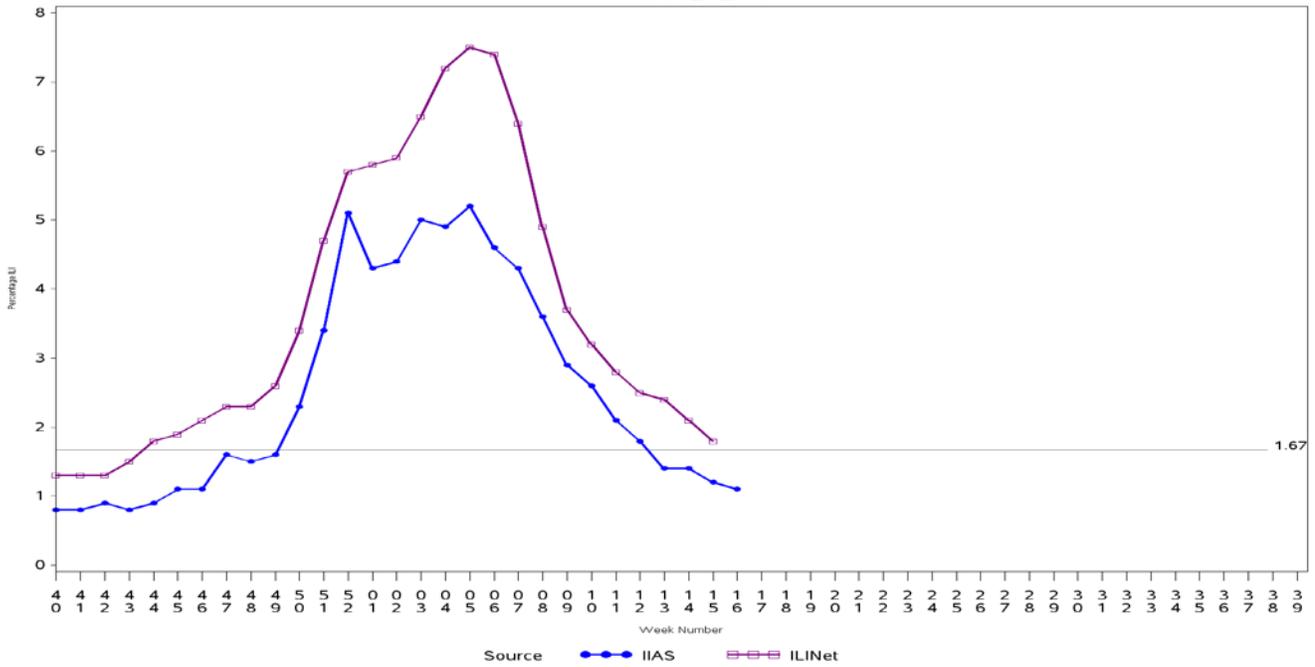
- Influenza-like-illness (ILI) activity in IHS is at 1.1%, below the IHS baseline of 1.67%
 - Three IHS regions report having elevated ILI activity
- National ILI activity reported by CDC remains elevated in a few US states
 - CDC's ILINet ILI activity is 1.8%, down from 2.1% reported in week 14, and is below the ILINet baseline (2.2%) and above the IHS baseline (1.67%).
- To date, IHS has administered over 352,000 doses of influenza vaccine.
- Overall, 36.5% 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 04/21/2018



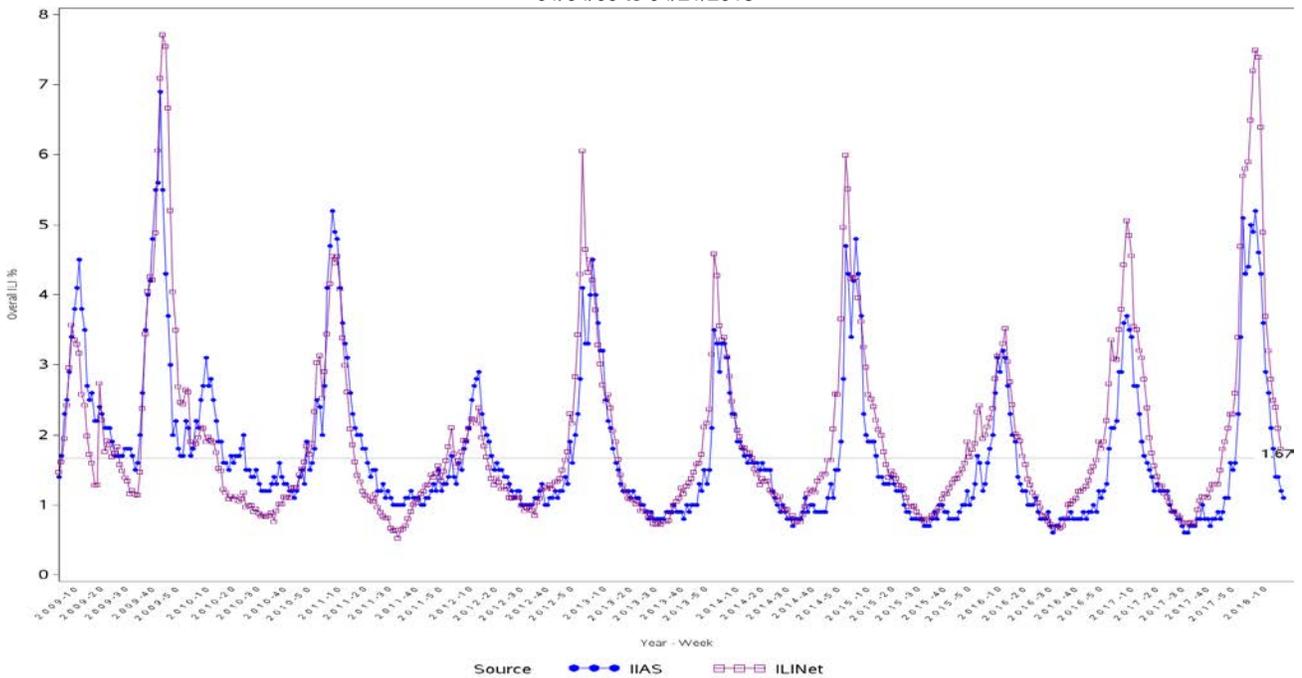
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 04/21/2018



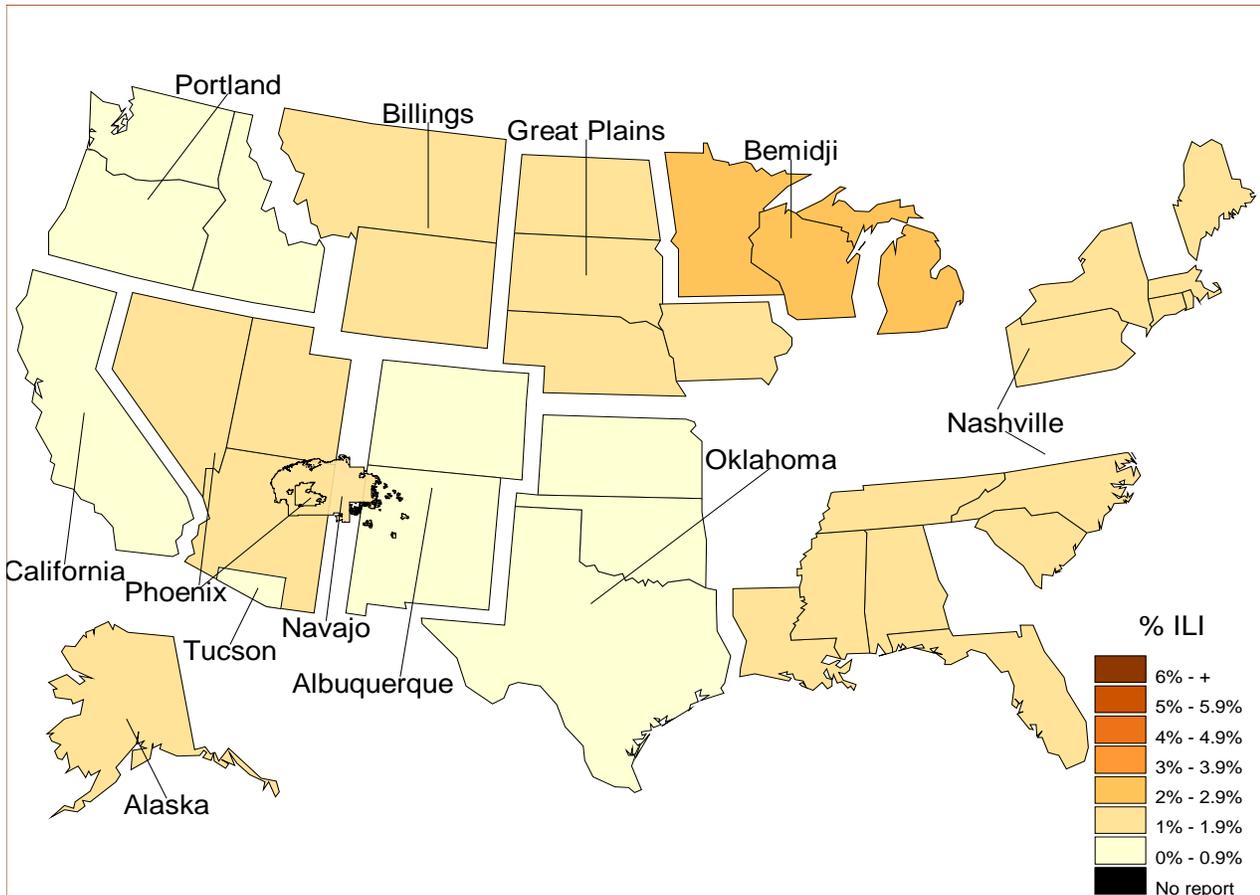
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 04/21/2018



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: 16



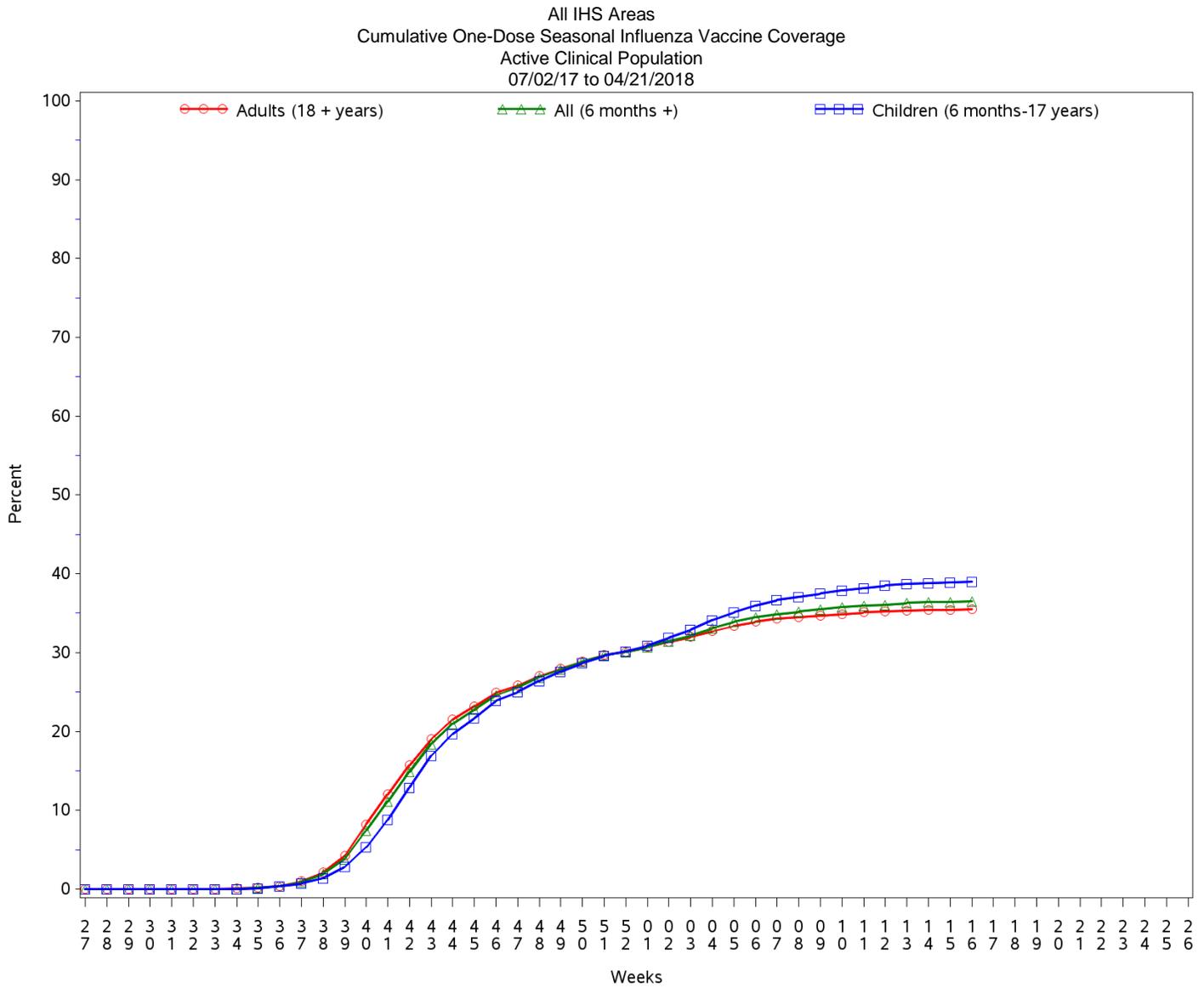
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 15	% in Week 16
NATIONAL	1.2	1.1
ALASKA	1.8	1.2
ALBUQUERQUE	0.6	0.8
BEMIDJI	1.0	2.2
BILLINGS	1.5	1.0
CALIFORNIA	0.8	0.5
GREAT PLAINS	1.7	1.9
NASHVILLE	1.6	1.7
NAVAJO	1.2	1.1
OKLAHOMA	0.4	0.6
PHOENIX	1.8	1.6
PORTLAND	0.8	0.5
TUCSON	0.7	0.4

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

IHS Influenza Vaccination Surveillance

- As of 04/21/2018, sites reporting to the IIAS have administered 352,265 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	107	2.6	0	0.0	107
6 - 23 months	20,714	13,412	64.7	4,568	22.1	18,015
2 - 4 years	50,978	18,111	35.5	799	1.6	18,946
5 - 17 years	195,905	72,879	37.2	462	0.2	73,533
18 - 49 years	402,100	112,792	28.1	642	0.2	113,776
50 - 64 years	170,664	73,869	43.3	419	0.2	74,546
65 + years	102,528	52,735	51.4	412	0.4	53,449
Children (6 months-17 years)	267,597	104,402	39.0	5,829	2.2	110,494
Adults (18 + years)	675,292	239,396	35.5	1,473	0.2	241,771
All (6 months +)	942,889	343,798	36.5	7,302	0.8	352,265

* 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	435	7	103	0	5,159	0	1,125	579	2	0	48	0	0	0	0	42	7,542
ALB	1	218	1,939	59	1,273	0	13,584	17	9,411	1,162	1,199	2	15	51	135	0	0	72	29,138
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	89	1,528	4	152	0	12,955	5	3,126	466	133	0	138	261	2	0	0	95	18,954
CAO	7	446	1,819	62	1,587	1	8,321	2	5,094	541	100	1	693	1	15	0	0	198	18,888
GPA	1	399	1,581	8	1,445	1	18,379	30	11,545	2,351	4	3	269	41	10	0	0	107	36,174
NSA	2	132	359	20	443	0	5,062	5	6,030	375	514	1	88	20	4	0	0	228	13,283
NAV	16	418	2,220	25	1,796	2	29,379	12	50,967	2,846	783	0	25	68	24	0	0	182	88,763
OKC	7	2,908	3,260	7	2,820	2	12,183	15	24,361	3,220	485	1	2,278	19	33	0	0	82	51,681
PHX	0	995	1,844	22	486	0	23,465	13	13,815	917	6	2	13	22	3	0	0	139	41,742
POR	8	380	1,555	360	486	0	8,845	21	9,497	795	1,011	70	993	329	21	0	0	192	24,563
TUC	0	38	38	24	3	0	8,516	0	109	37	0	0	0	0	0	0	0	47	8,812
	44	6,204	17,027	621	11,068	6	152,102	124	140,571	13,733	4,243	99	4,568	858	247	0	0	1,449	352,964

* 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.

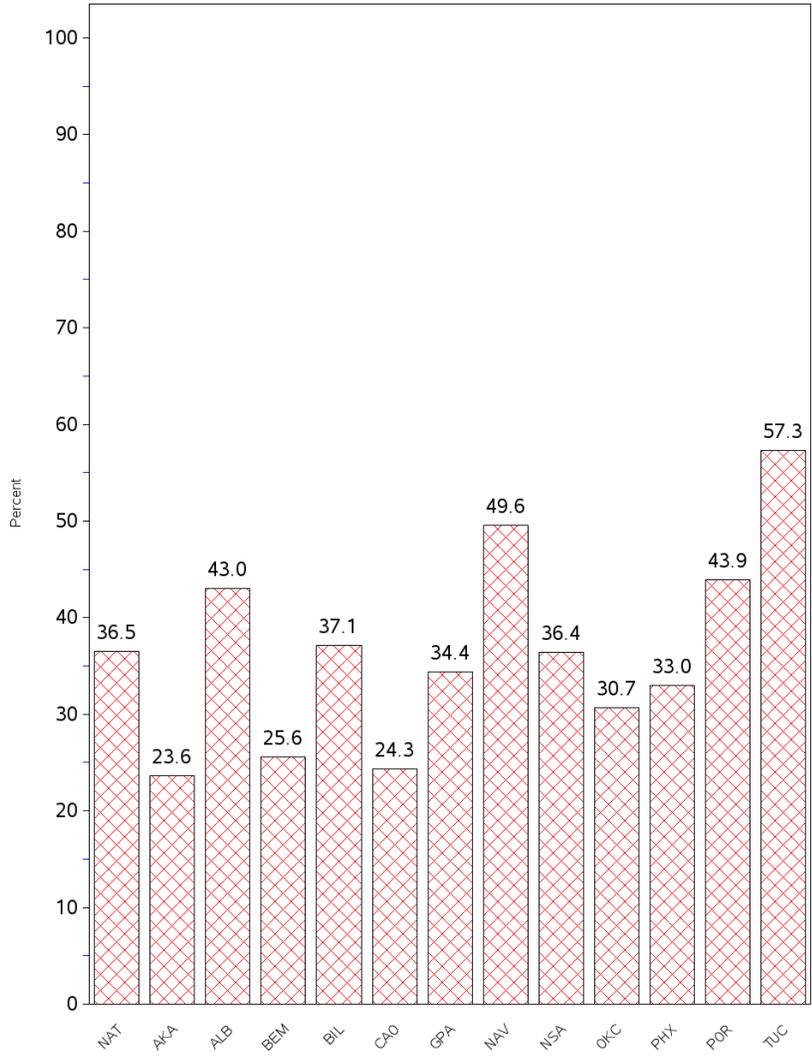
Doses are NOT deduplicated.

** 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 04/21/2018



- 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	139	234
ALASKA	5	26
ALBUQUERQUE	11	18
BEMIDJI	1	1
BILLINGS	11	17
CALIFORNIA	19	30
GREAT PLAINS	16	32
NASHVILLE	20	24
NAVAJO	8	22
OKLAHOMA	17	21
PHOENIX	11	19
PORTLAND	19	20
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.