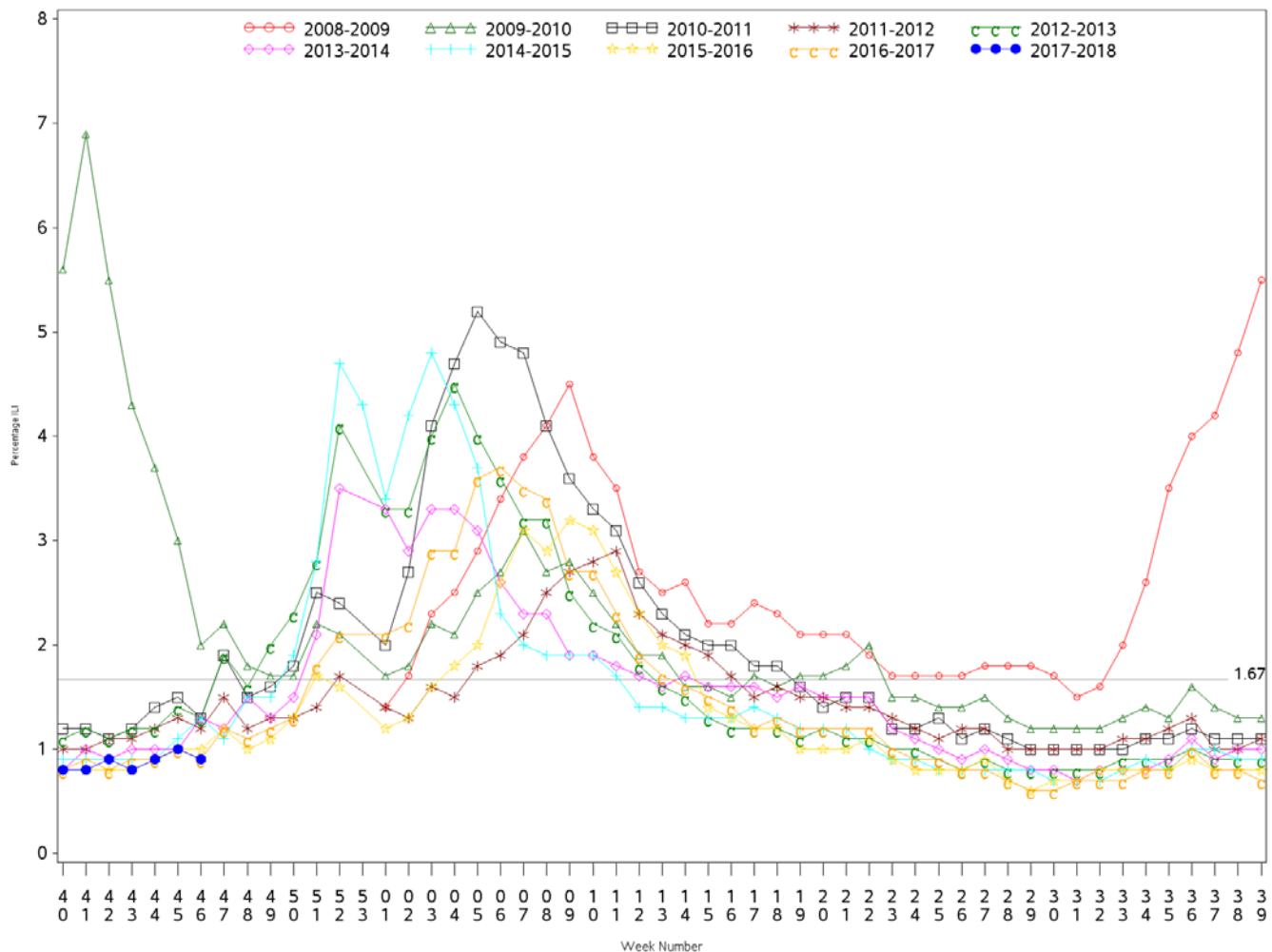




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 46: 11/12/2017 – 11/18/2017)

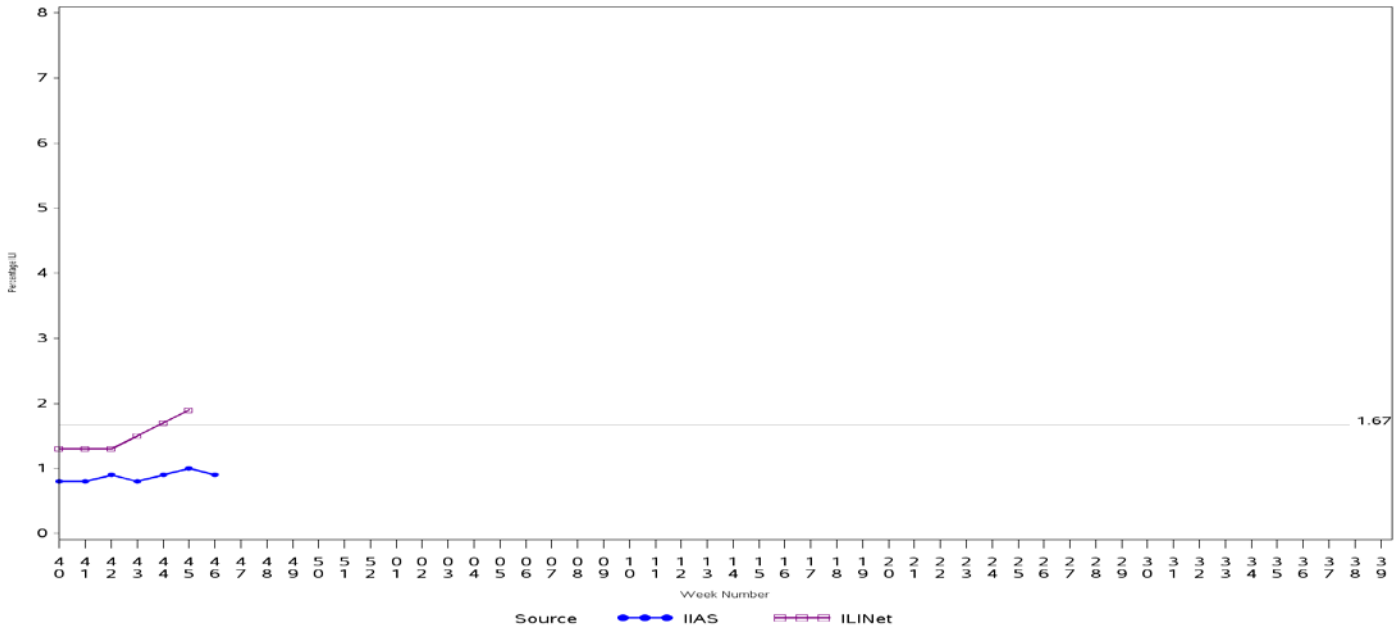
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.9%, below the IHS baseline of 1.67%
 - Four IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also low, below the ILINet baseline
 - CDC's ILINet ILI activity is 1.9%, below the ILINet baseline (2.2%) but above the IHS baseline (1.67%).
- To date, IHS has administered over 229,000 doses of influenza vaccine.
- Overall, 24.2% 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 11/18/2017



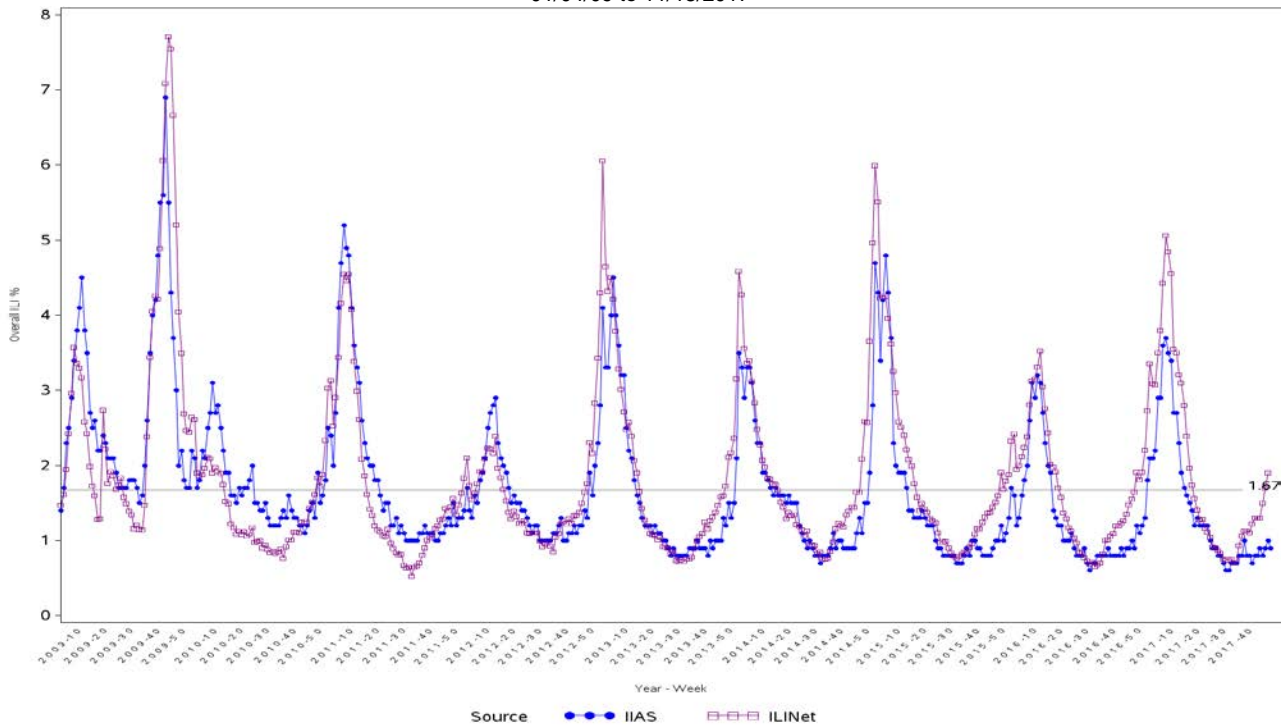
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 11/18/2017



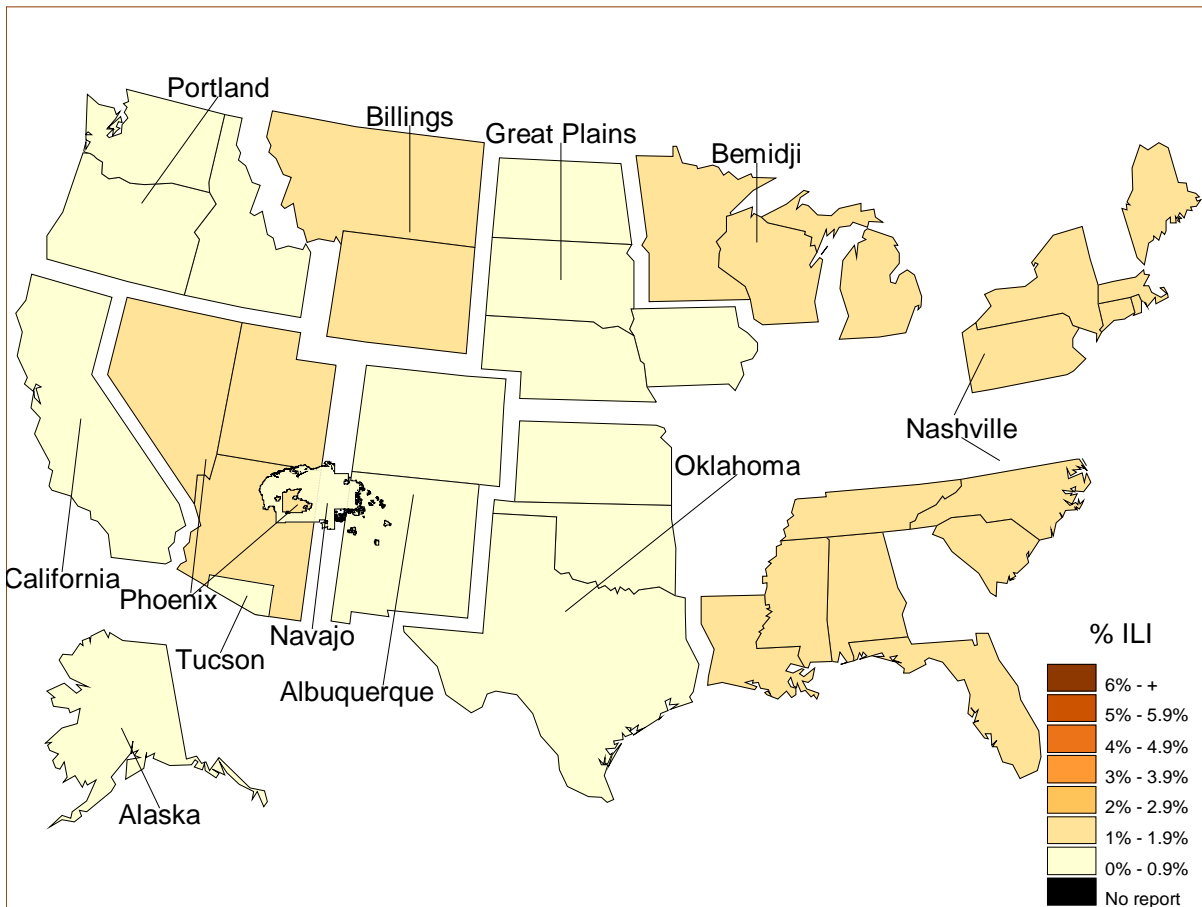
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 11/18/2017



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: 46



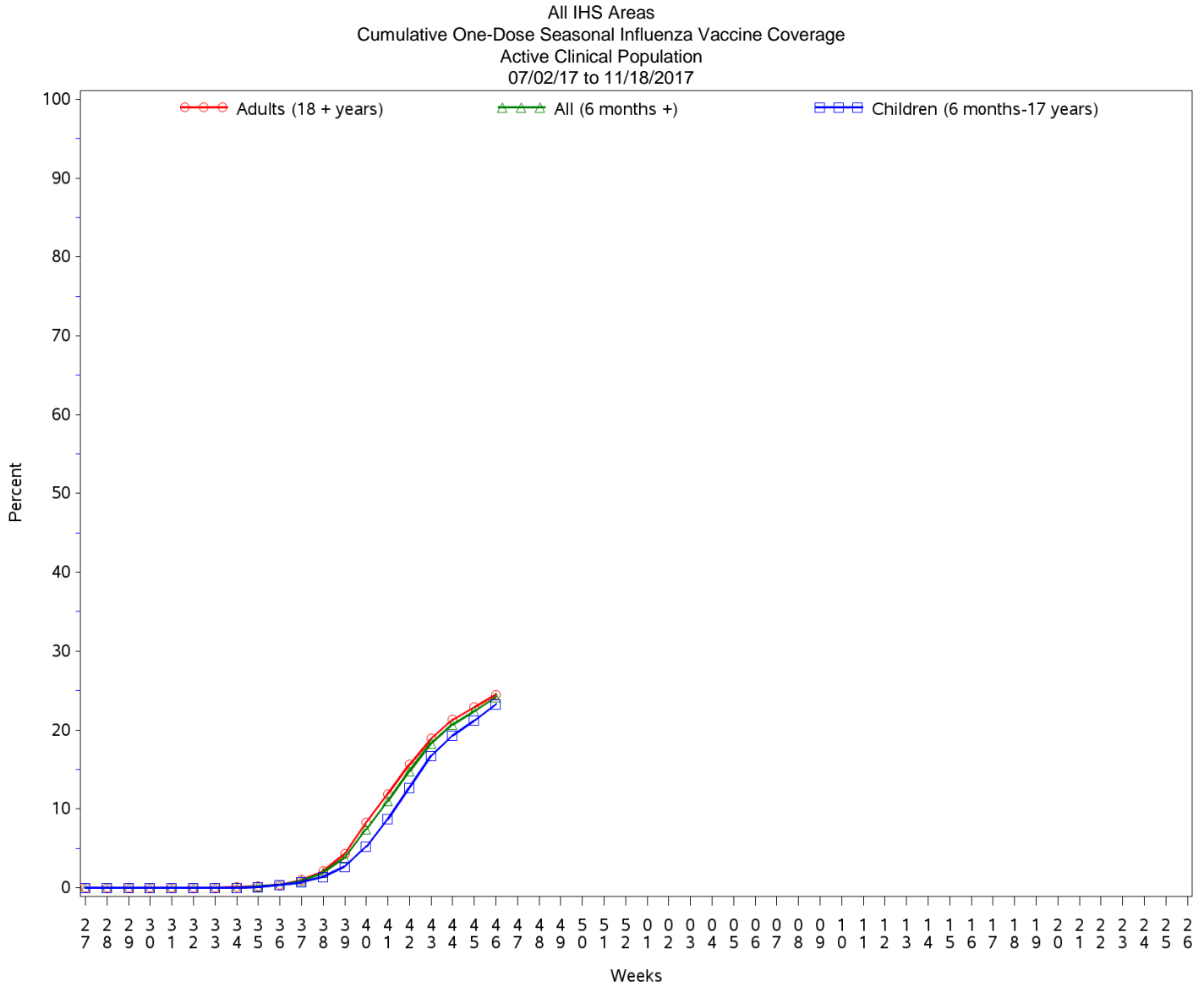
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 45	% in Week 46
NATIONAL	1.0	0.9
ALASKA	1.2	0.9
ALBUQUERQUE	0.8	0.8
BEMIDJI	0.3	1.3
BILLINGS	1.2	1.0
CALIFORNIA	0.5	0.5
GREAT PLAINS	0.8	0.9
NASHVILLE	2.1	1.8
NAVAJO	1.2	0.9
OKLAHOMA	0.6	0.7
PHOENIX	1.7	1.3
PORTLAND	0.4	0.3
TUCSON	0.8	0.5

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

IHS Influenza Vaccination Surveillance

- As of 11/18/2017, sites reporting to the IIAS have administered 229,178 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	4,295	25	0.6	0	0.0	25
6 - 23 months	20,791	6,412	30.8	497	2.4	6,919
2 - 4 years	51,502	9,628	18.7	72	0.1	9,713
5 - 17 years	196,064	46,503	23.7	164	0.1	46,761
18 - 49 years	401,345	73,134	18.2	331	0.1	73,660
50 - 64 years	169,106	51,881	30.7	209	0.1	52,233
65 + years	100,040	39,457	39.4	214	0.2	39,892
Children (6 months-17 years)	268,357	62,543	23.3	733	0.3	63,393
Adults (18 + years)	670,491	164,472	24.5	754	0.1	165,785
All (6 months +)	938,848	227,015	24.2	1,487	0.2	229,178

* 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	23	302	3	68	0	3,545	0	996	266	2	0	37	0	0	0	0	30	5,273
ALB	0	160	1,486	38	850	0	8,007	12	6,323	582	749	1	4	34	5	0	0	42	18,293
BEM	1	83	348	5	300	0	3,400	1	3,874	171	6	0	1	33	0	0	0	40	8,263
BIL	0	55	1,204	4	113	0	7,919	2	1,769	213	124	0	128	220	1	0	0	65	11,817
CAO	0	340	1,347	33	1,088	0	4,898	1	3,130	257	37	0	535	0	0	0	0	153	11,819
GPA	1	220	1,288	2	913	1	13,119	5	7,577	1,162	3	3	101	19	3	0	0	82	24,499
NSA	1	100	309	18	318	0	3,665	3	4,559	171	344	1	77	12	1	0	0	142	9,721
NAV	5	198	1,594	10	1,301	0	18,242	7	33,731	1,148	440	1	10	36	11	0	0	114	56,848
OKC	6	1,417	2,590	4	1,822	2	8,389	7	17,532	1,413	377	0	994	12	32	0	0	50	34,647
PHX	0	612	1,489	2	370	0	14,117	10	9,379	374	3	2	10	4	0	0	0	92	26,464
POR	3	236	1,271	255	385	0	5,866	20	6,609	395	773	57	741	174	2	0	0	132	16,919
TUC	0	26	22	14	0	0	4,810	0	69	20	0	0	0	0	0	0	0	25	4,986
	18	3,470	13,250	388	7,528	3	95,977	68	95,548	6,172	2,858	65	2,638	544	55	0	0	967	229,549

* 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.

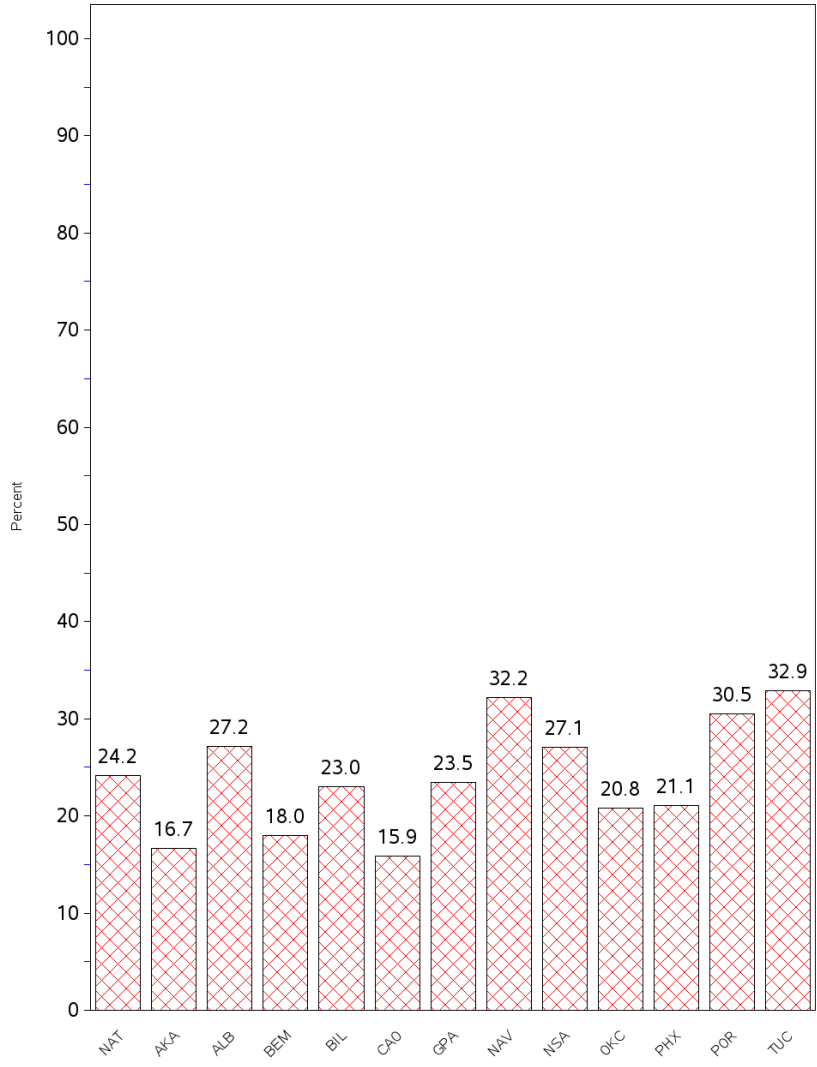
Doses are NOT deduplicated.

** 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 11/18/2017



- 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	154	303
ALASKA	5	53
ALBUQUERQUE	12	20
BEMIDJI	6	13
BILLINGS	11	21
CALIFORNIA	20	36
GREAT PLAINS	17	35
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.