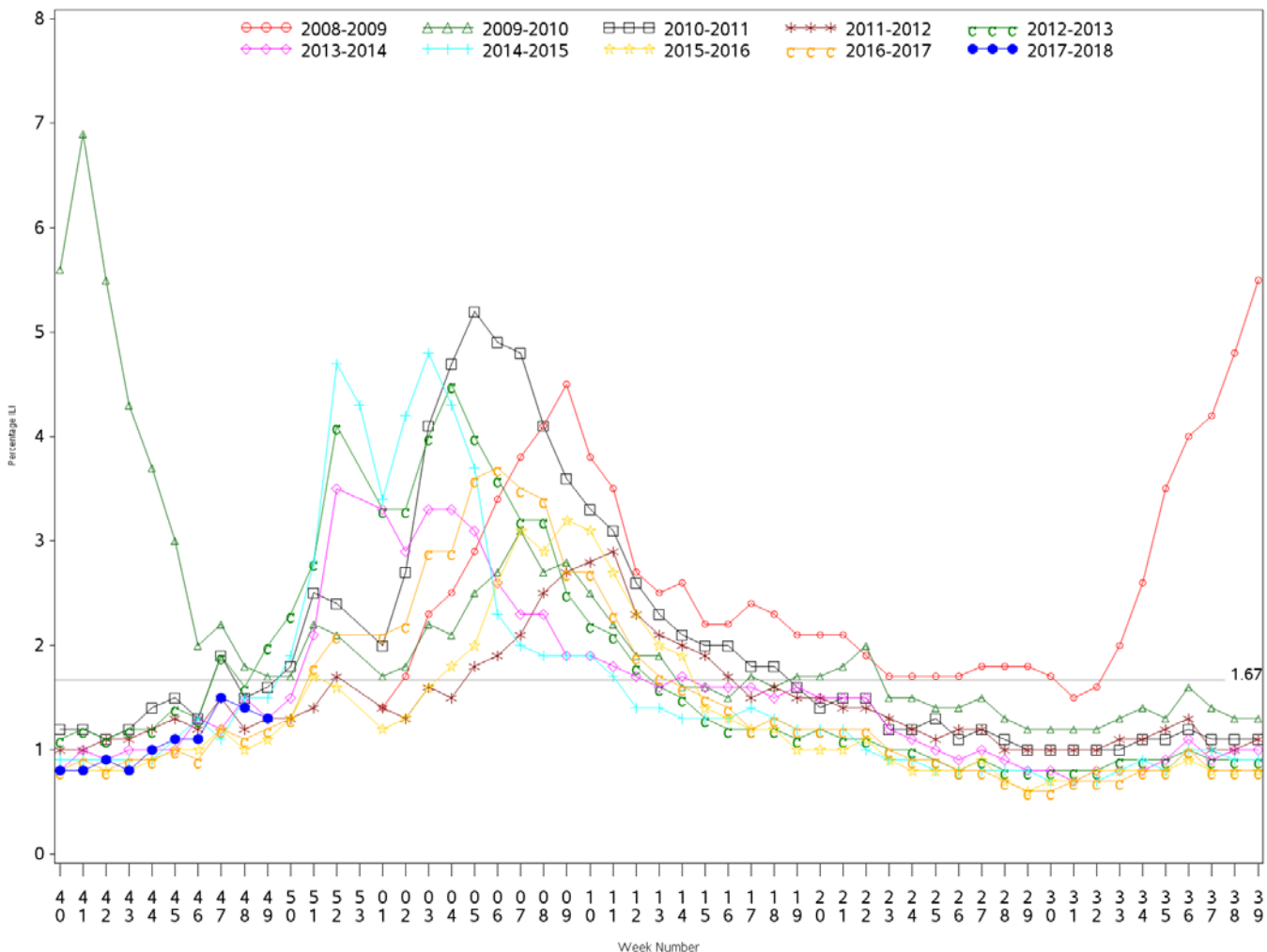




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 49: 12/03/2017 – 12/09/2017)

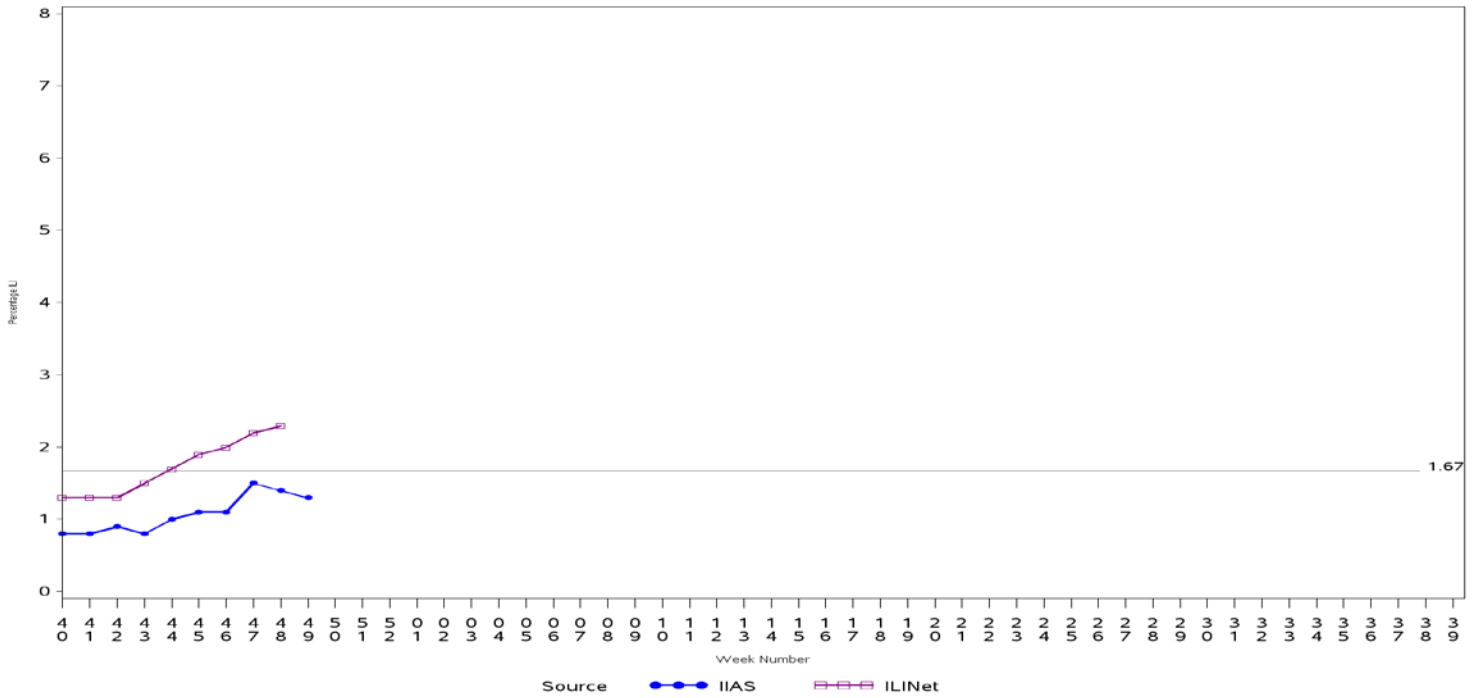
- Influenza-like-illness (ILI) activity in IHS is low and is at 1.3%, below the IHS baseline of 1.67%
 - Seven IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is increasing in a majority of US states
 - CDC's ILINet ILI activity is 2.3%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 256,000 doses of influenza vaccine.
- Overall, 27.0% 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 12/09/2017



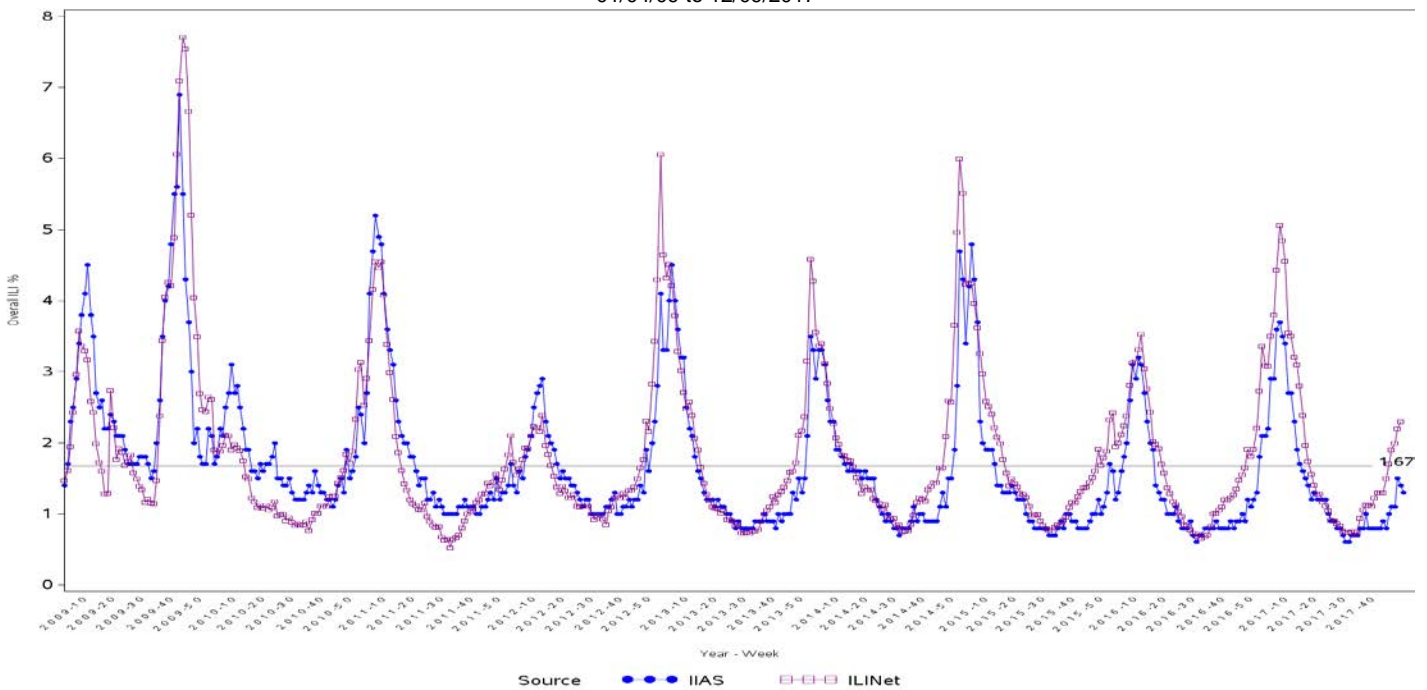
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 12/09/2017



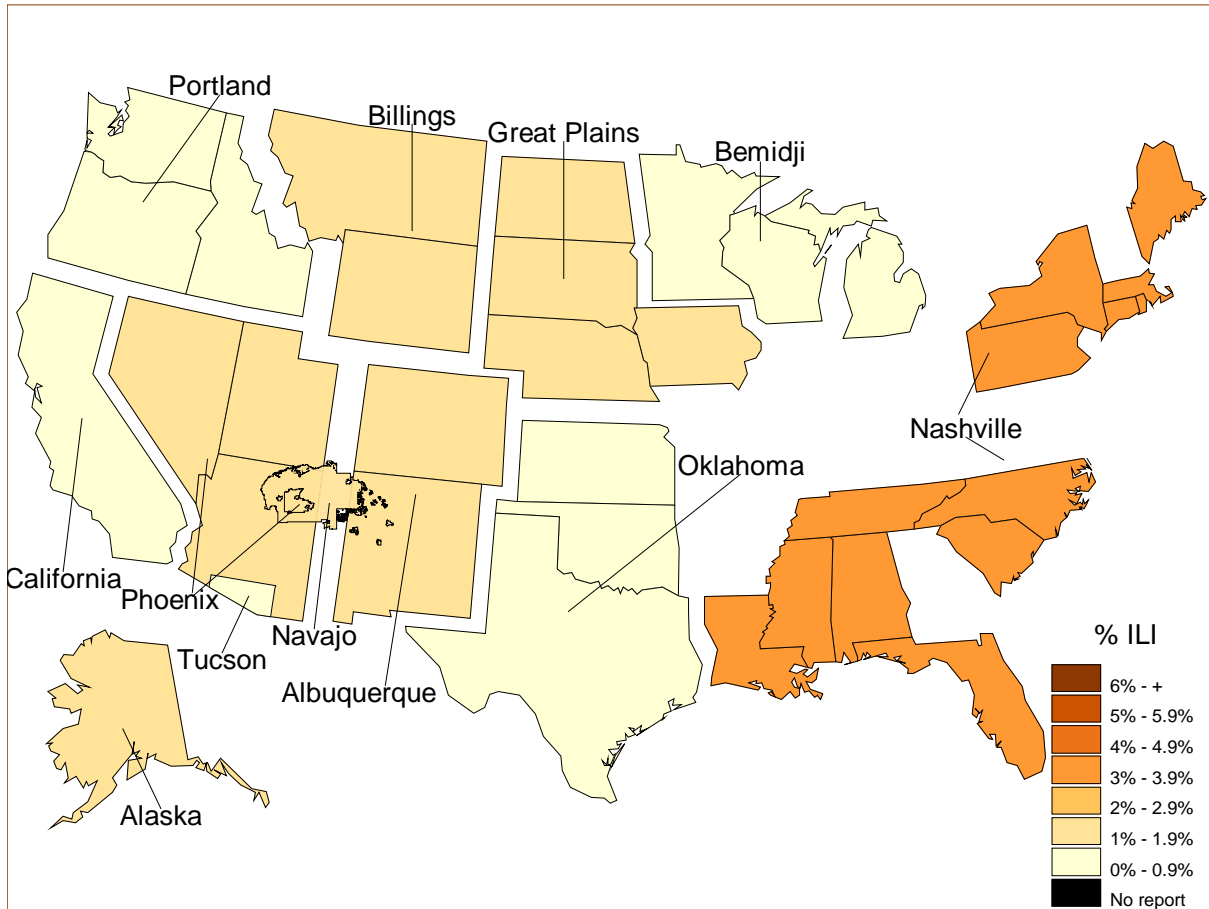
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 12/09/2017



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: 49



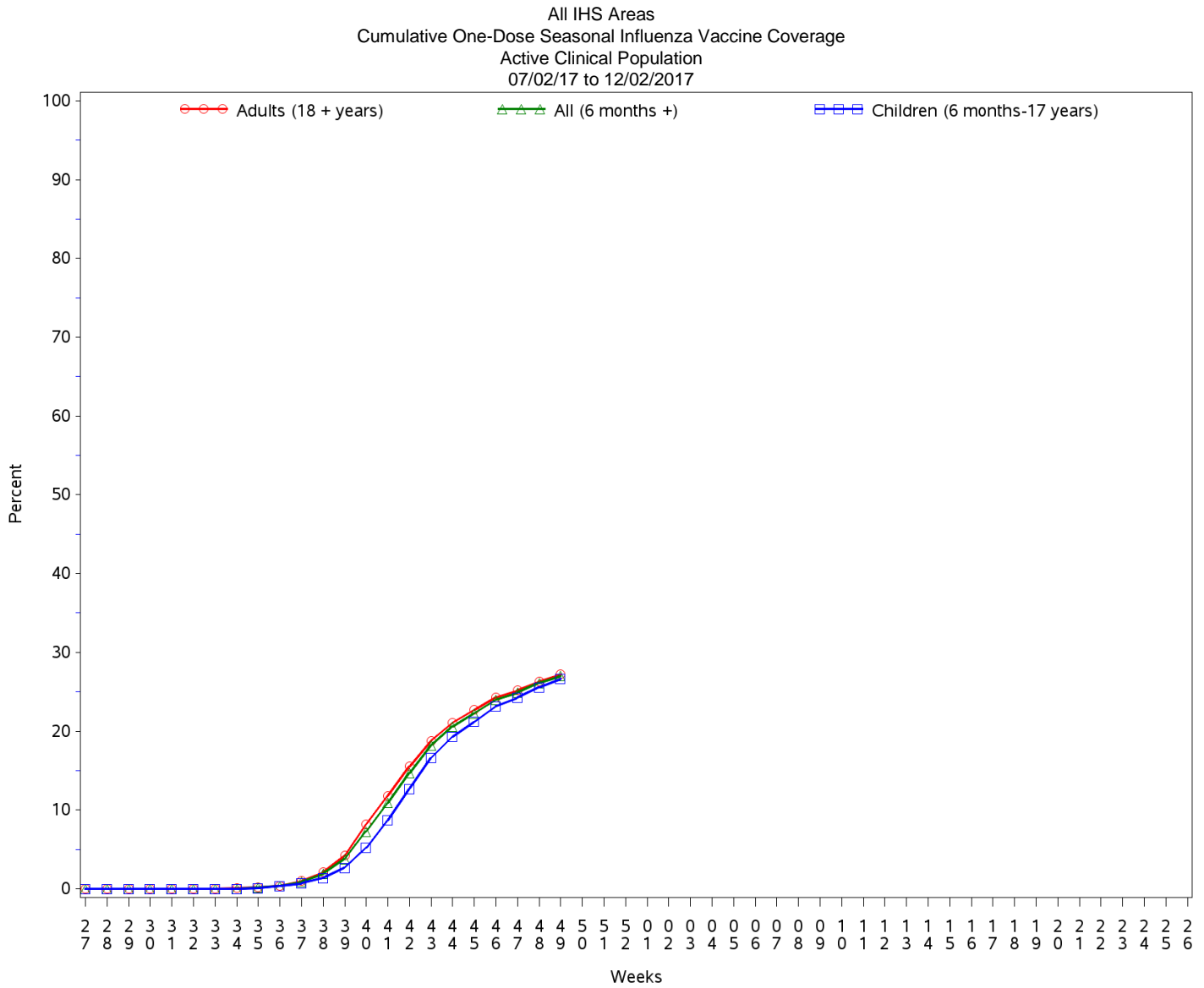
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 48	% in Week 49
NATIONAL	1.4	1.3
ALASKA	1.4	1.0
ALBUQUERQUE	1.2	1.8
BEMIDJI	0.9	0.8
BILLINGS	1.4	1.5
CALIFORNIA	0.5	0.5
GREAT PLAINS	1.4	1.2
NASHVILLE	2.6	3.7
NAVAJO	1.6	1.4
OKLAHOMA	1.0	0.8
PHOENIX	2.1	1.8
PORTLAND	0.6	0.4
TUCSON	0.6	0.6

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

IHS Influenza Vaccination Surveillance

- As of 12/09/2017, sites reporting to the IIAS have administered 256,682 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	4,338	31	0.7	0	0.0	31
6 - 23 months	20,636	7,801	37.8	1,015	4.9	8,830
2 - 4 years	51,338	11,393	22.2	151	0.3	11,563
5 - 17 years	196,148	52,332	26.7	210	0.1	52,665
18 - 49 years	401,010	81,868	20.4	361	0.1	82,479
50 - 64 years	169,208	57,187	33.8	232	0.1	57,594
65 + years	100,503	43,064	42.8	241	0.2	43,551
Children (6 months-17 years)	268,122	71,526	26.7	1,376	0.5	73,058
Adults (18 + years)	670,721	182,119	27.2	834	0.1	183,624
All (6 months +)	938,843	253,645	27.0	2,210	0.2	256,682

* 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	336	3	61	0	3,886	0	1,028	332	2	0	42	0	0	0	0	35	5,749
ALB	0	158	1,645	39	830	0	9,386	13	7,054	703	863	1	4	29	2	0	0	46	20,773
BEM	1	78	361	4	292	0	3,742	1	4,121	193	6	0	3	32	0	0	0	43	8,877
BIL	0	51	1,316	4	125	0	9,058	2	2,143	255	124	0	127	242	1	0	0	73	13,521
CAO	1	340	1,405	35	1,145	0	5,659	1	3,373	282	55	0	577	0	0	0	0	167	13,040
GPA	1	214	1,374	4	957	1	14,382	5	8,437	1,350	3	3	120	21	6	0	0	85	26,963
NSA	1	98	328	19	325	0	4,006	3	4,878	220	397	0	78	0	0	0	0	168	10,521
NAV	5	191	1,823	11	1,291	0	21,083	7	37,761	1,513	521	1	11	28	7	0	0	116	64,369
OKC	5	1,338	2,866	4	1,747	2	9,331	10	19,850	1,841	405	0	1,405	13	32	0	0	54	38,903
PHX	0	611	1,580	2	367	0	16,446	11	10,560	427	3	2	10	4	0	0	0	109	30,132
POR	4	232	1,324	274	388	0	6,476	20	7,318	476	814	3	801	4	1	0	0	136	18,271
TUC	0	27	19	14	0	0	5,803	0	66	24	0	0	0	0	0	0	0	25	5,978
	19	3,361	14,377	413	7,528	3	109,258	73	106,589	7,616	3,193	10	3,178	373	49	0	0	1,057	257,097

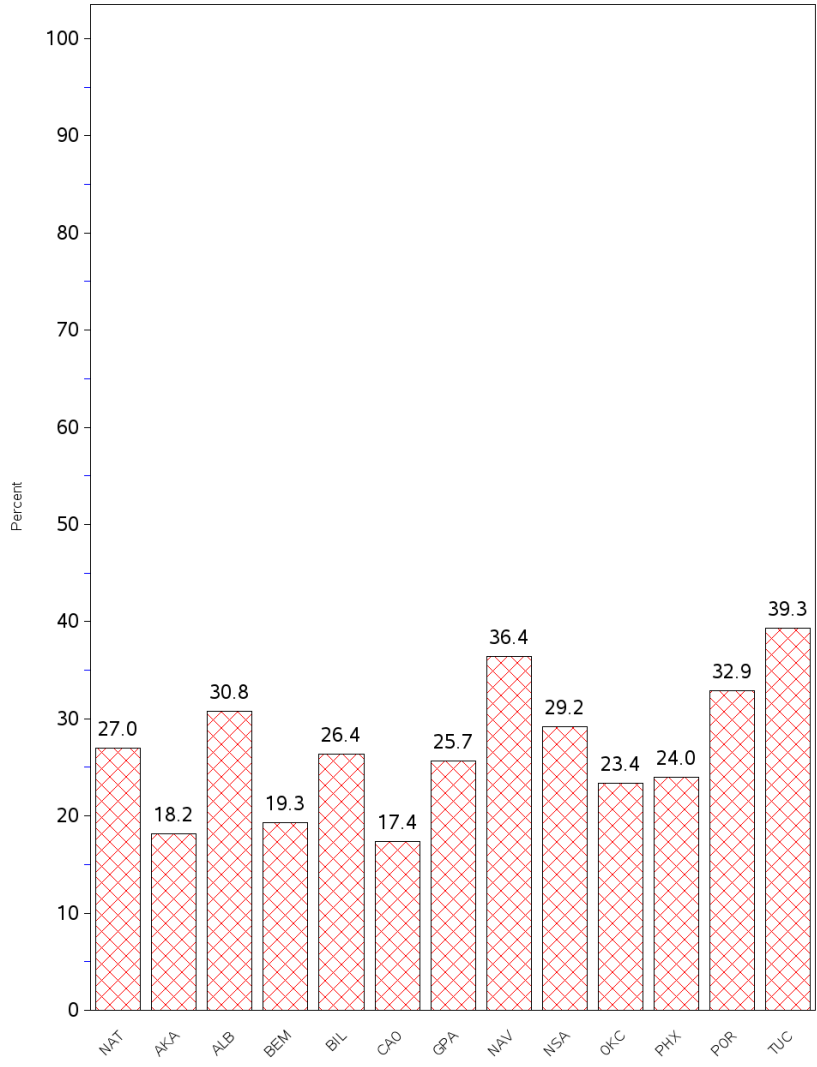
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 12/09/2017



- 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	153	295
ALASKA	5	50
ALBUQUERQUE	12	20
BEMIDJI	6	11
BILLINGS	11	20
CALIFORNIA	20	35
GREAT PLAINS	17	35
NASHVILLE	19	23
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.