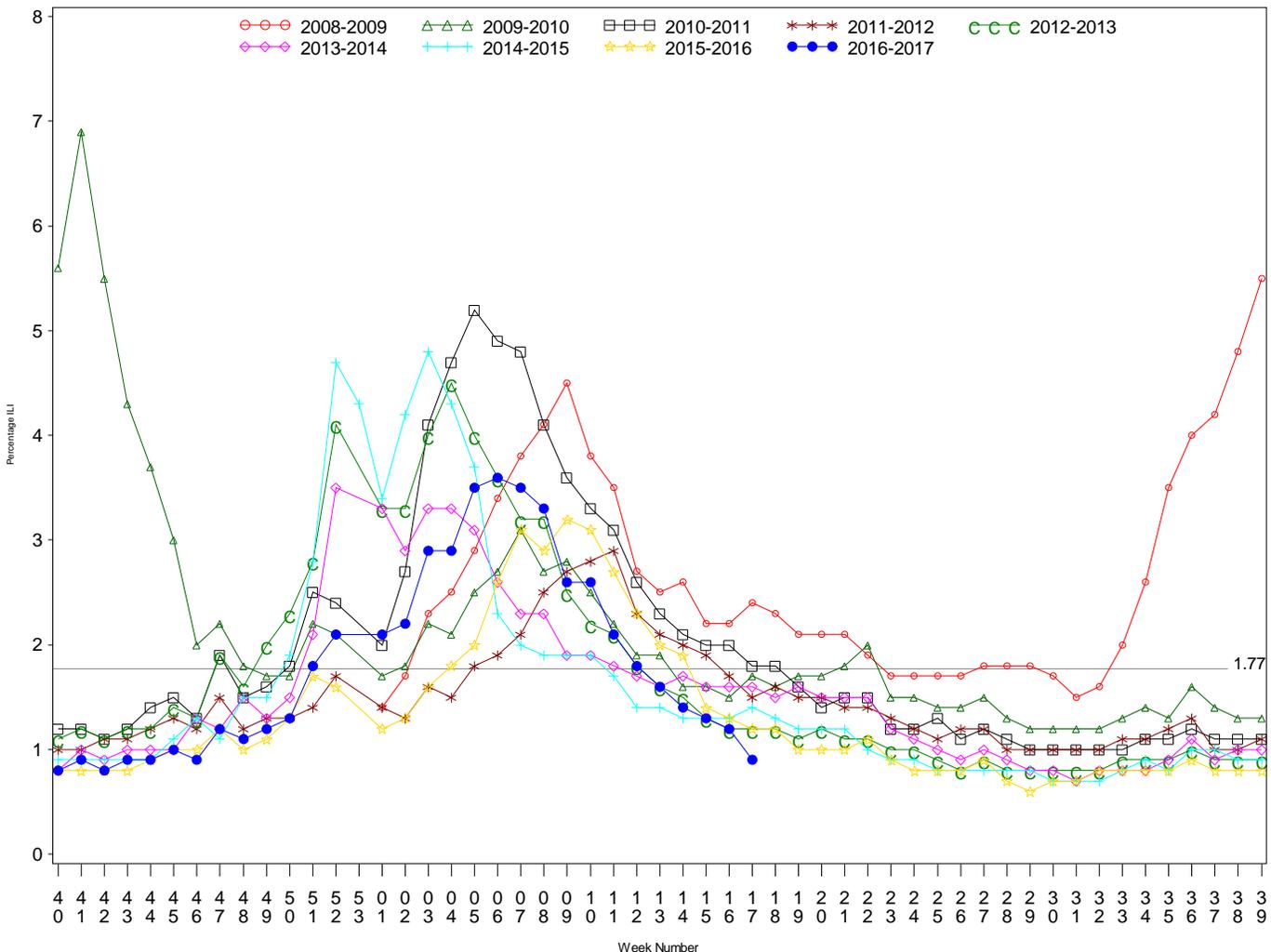




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 17: 04/23/2017 – 04/29/2017)

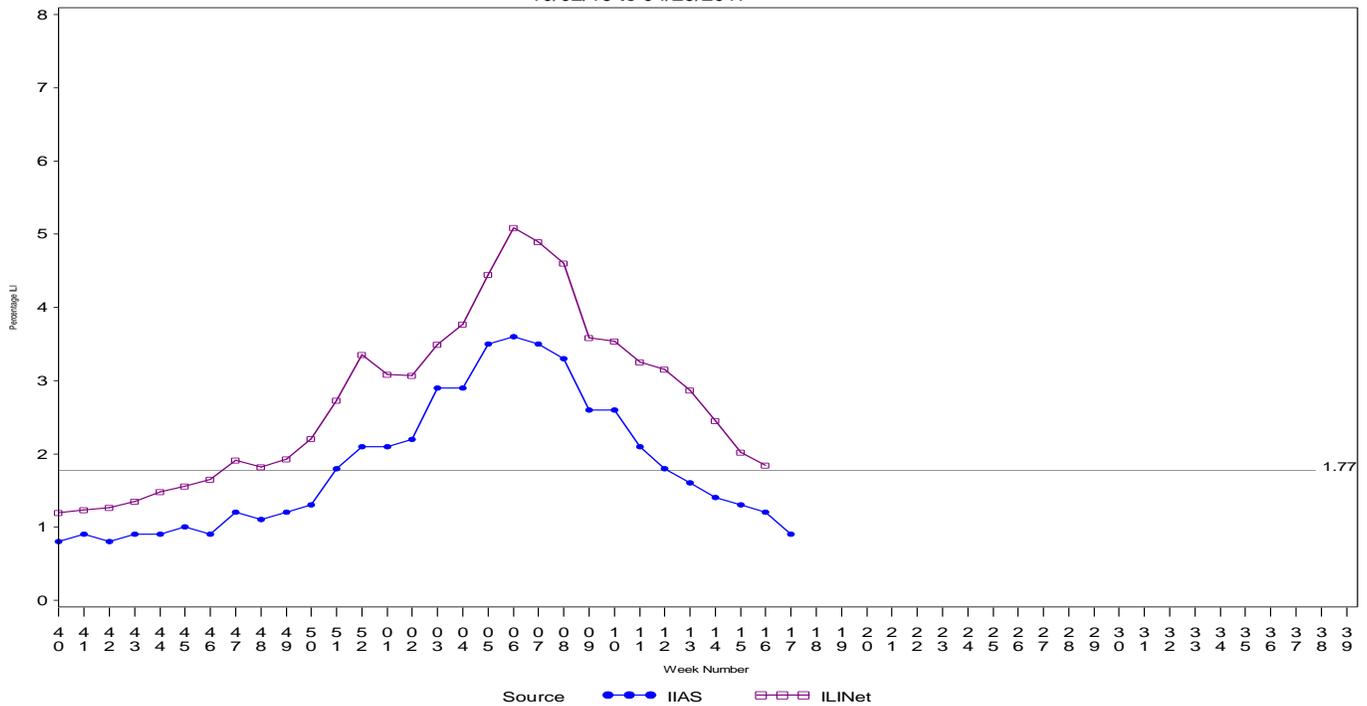
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 0.9%, below the IHS baseline of 1.77%
 - No IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
 - CDC's ILINet ILI activity is 1.8%, below the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 355,000 doses of influenza vaccine.
- Overall, 34% 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 04/29/2017



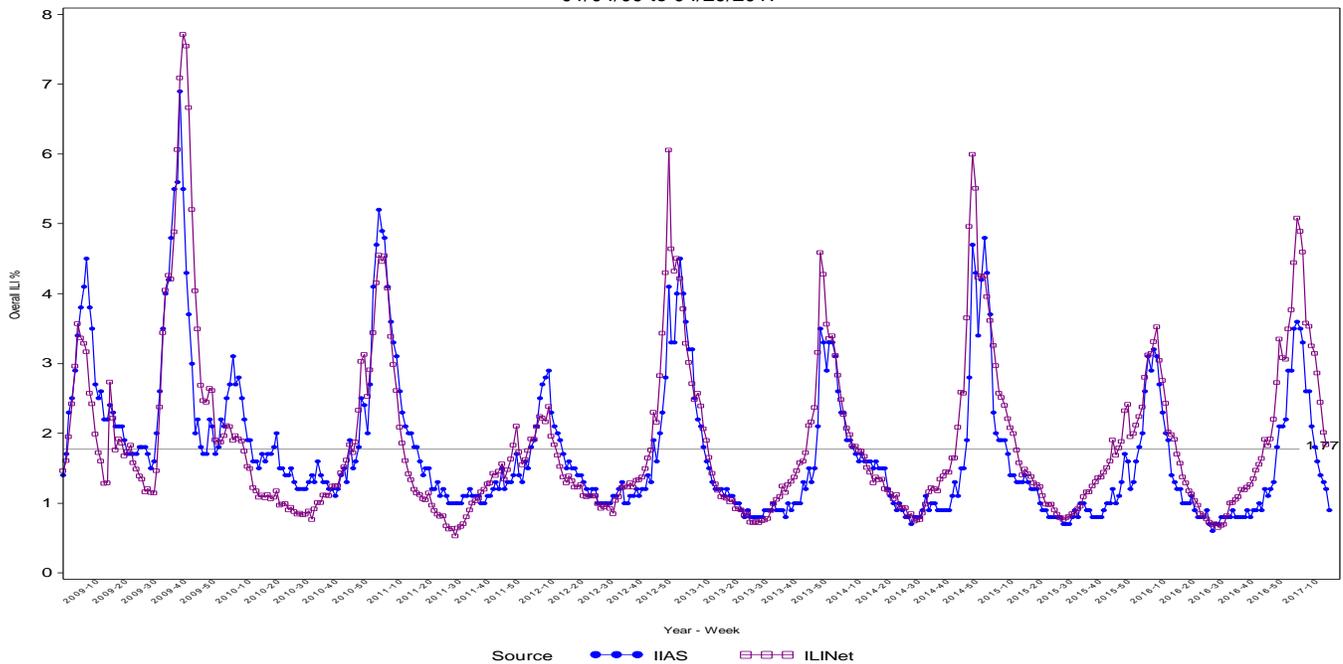
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 04/29/2017



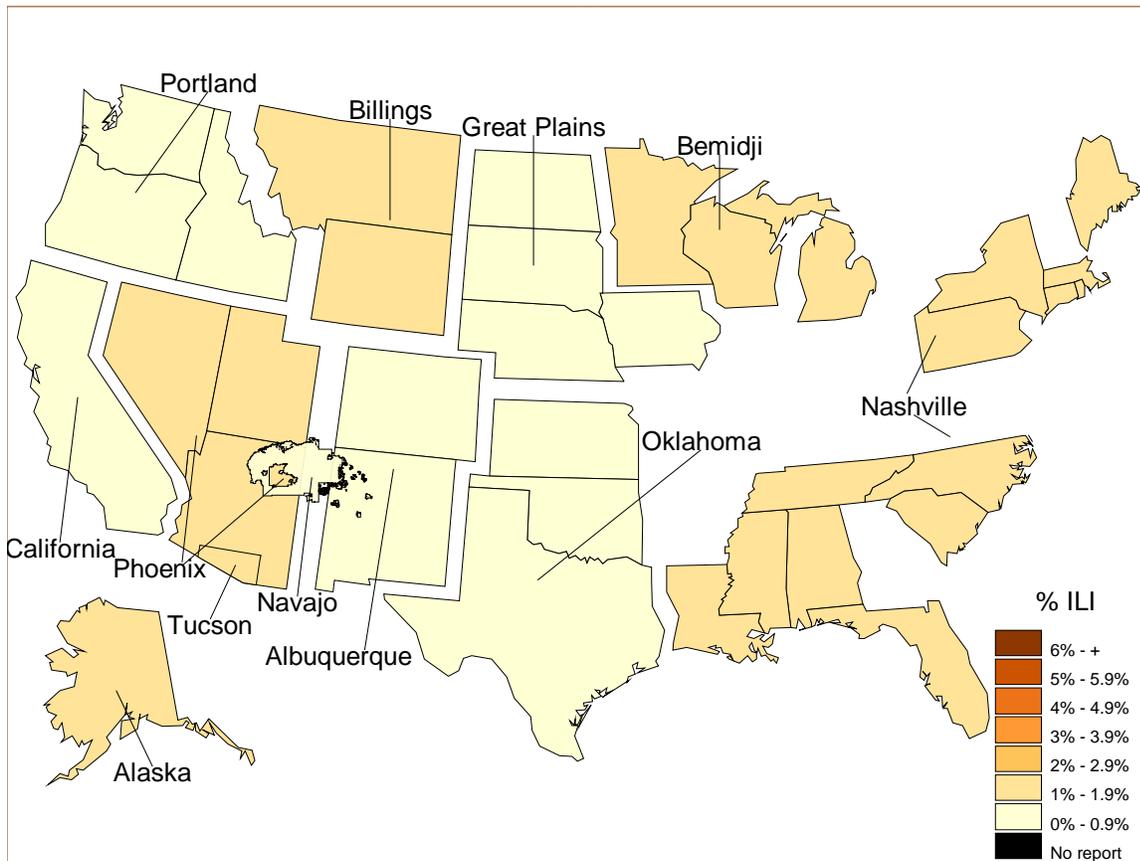
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 04/29/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 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: 17



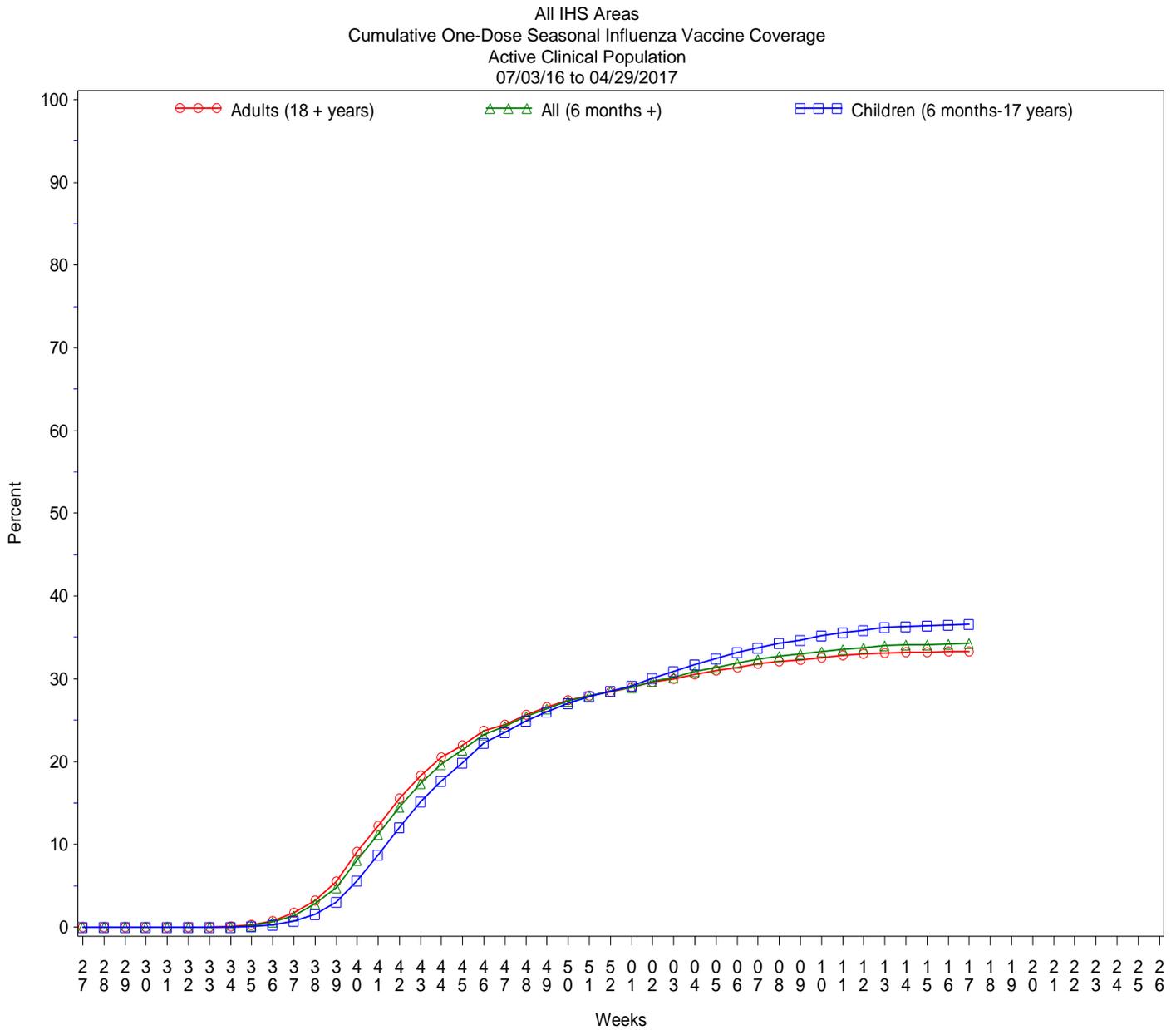
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 16	% in Week 17
NATIONAL	1.2	0.9
ALASKA	1.7	1.0
ALBUQUERQUE	0.8	0.6
BEMIDJI	1.2	1.1
BILLINGS	0.9	1.0
CALIFORNIA	0.5	0.4
GREAT PLAINS	1.3	0.9
NASHVILLE	1.9	1.4
NAVAJO	1.2	0.9
OKLAHOMA	0.5	0.5
PHOENIX	1.8	1.5
PORTLAND	0.7	0.4
TUCSON	2.1	1.0

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

IHS Influenza Vaccination Surveillance

- As of 04/29/2017, sites reporting to the IIAS have administered 355,610 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	4,471	124	2.8	0	0.0	125
6 - 23 months	22,884	15,224	66.5	5,154	22.5	20,412
2 - 4 years	55,633	18,825	33.8	850	1.5	19,717
5 - 17 years	210,646	71,827	34.1	542	0.3	72,622
18 - 49 years	434,477	116,131	26.7	755	0.2	117,220
50 - 64 years	182,200	74,120	40.7	525	0.3	74,915
65 + years	104,619	49,986	47.8	433	0.4	50,724
Children (6 months-17 years)	289,163	105,876	36.6	6,546	2.3	112,751
Adults (18 + years)	721,296	240,237	33.3	1,713	0.2	242,859
All (6 months +)	1,010,459	346,113	34.3	8,259	0.8	355,610

* 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 111 FLU-LAI V3	CVX 135 FLU-HIGH	CVX 140 FLU-IIV3pf	CVX 141 FLU-IIV3	CVX 144 FLU-DER MAL	CVX 149 FLU-LAI V4	CVX 150 FLU-IIV4pf	CVX 153 FLU-ccll V3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf-ped	CVX 166	Proc 99.52 Vacc Inf	ICD -9 V04.81 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	4	368	0	490	43	635	1	0	6757	1	2	4148	689	22	0	0	93	13253
ALB	2	224	0	1355	634	12425	1	0	5889	0	7	2243	1061	2	0	0	105	23948
BEM	302	126	1	457	29	3105	0	2	4470	18	4	3779	467	47	0	2	265	13074
BIL	5	289	0	1065	16	2407	0	0	12551	0	2	1884	1280	171	0	0	138	19808
CAO	20	232	0	1448	35	3387	1	8	9125	0	2	6121	2059	61	0	3	143	22645
GPA	3	570	0	1115	167	13961	0	0	14184	12	26	6244	1677	9	0	0	99	38067
NSA	255	363	0	362	165	5998	253	0	4429	4	20	359	302	348	0	0	154	13012
NAV	35	450	1	1914	32	10957	9	0	14806	2	2	49574	3630	1082	0	0	244	82738
OKC	293	2756	1	2535	17	31097	7	1	10764	1	19	3289	1961	558	0	0	245	53544
PHX	4	625	0	1628	112	12576	29	0	24223	0	22	866	3505	2	0	0	273	43865
POR	10	489	1	817	1341	8781	16	1	6151	29	26	3836	507	1390	0	0	912	24307
TUC	0	62	0	38	33	11	0	0	7747	1	0	54	745	0	0	0	43	8734
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	933	6556	4	13224	2624	105340	317	12	121096	68	132	82397	17883	3692	0	5	2714	356997

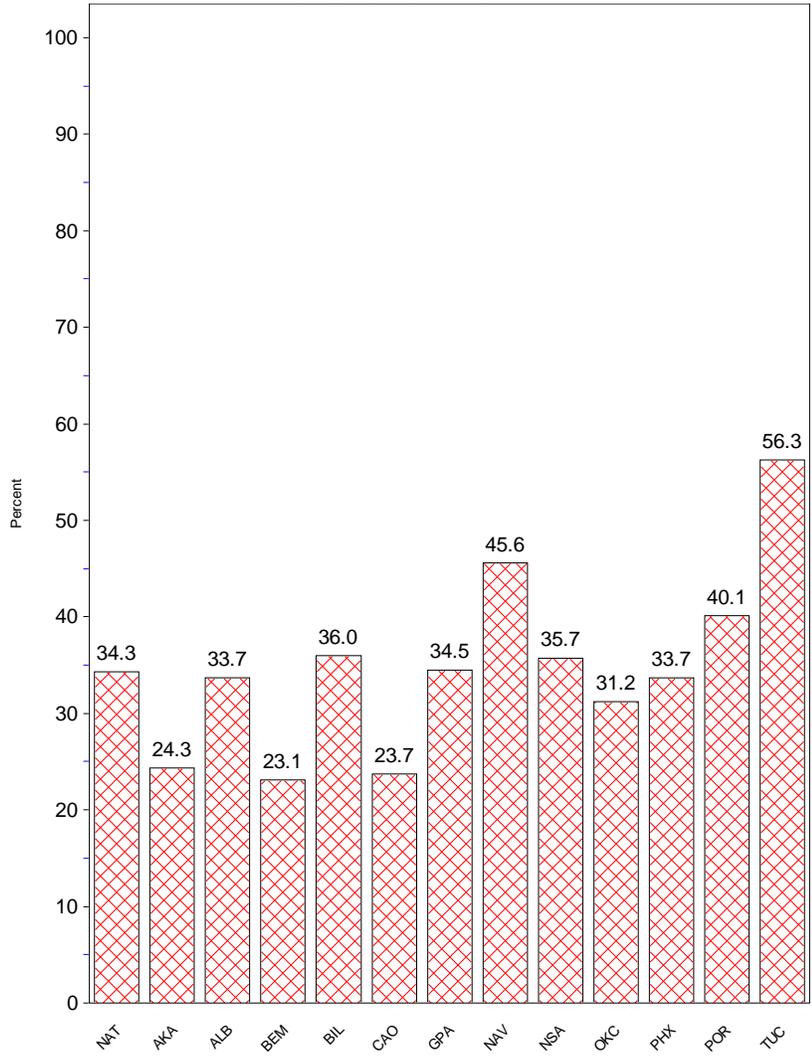
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 mos+)
%Seasonal Flu (At least 1 dose) for Active Clinical Population
07/03/16 to 04/29/2017



- 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	161	301
ALASKA	6	47
ALBUQUERQUE	12	21
BEMIDJI	6	13
BILLINGS	13	22
CALIFORNIA	22	39
GREAT PLAINS	18	35
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	18	22
PHOENIX	14	24
PORTLAND	23	27
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.