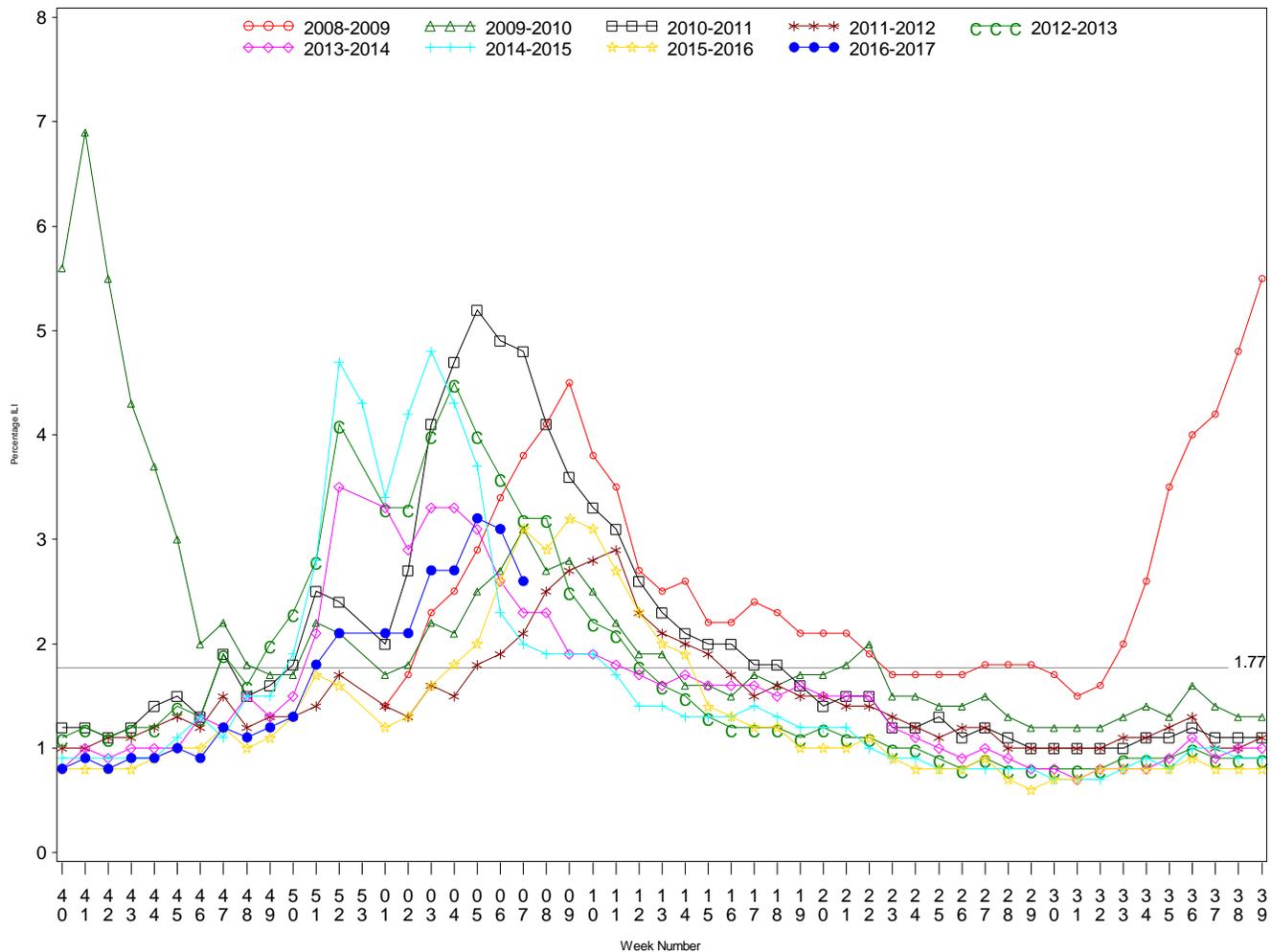




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
 (Week 7: 02/12/2017 – 02/18/2017)

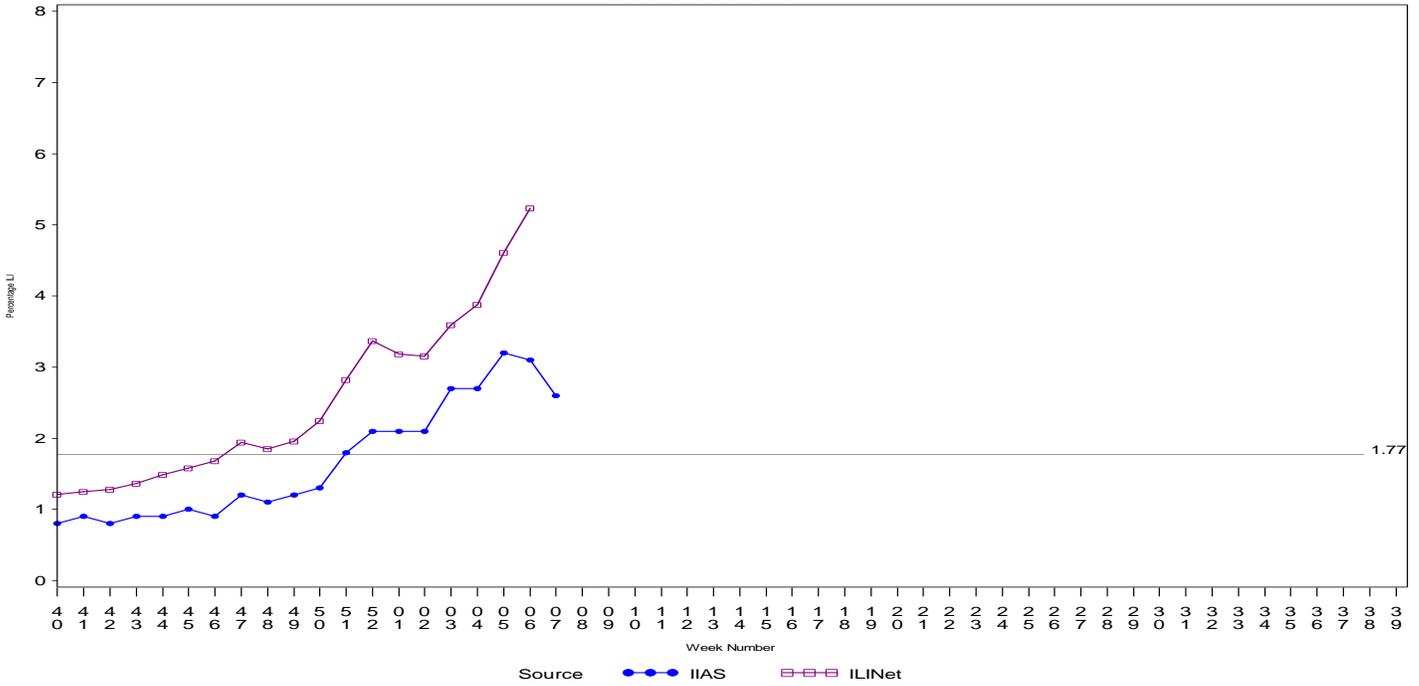
- Influenza-like-illness (ILI) activity in IHS is elevated at 2.6%, above the IHS threshold of 1.77%
 - The majority of IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC remains elevated and is increasing across a majority of US states
 - CDC's ILINet ILI activity is 5.2%, above the ILINet baseline (2.2%) and above the IHS threshold (1.77%).
- To date, IHS has administered over 330,000 doses of influenza vaccine.
- Overall, 33% 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 02/18/2017



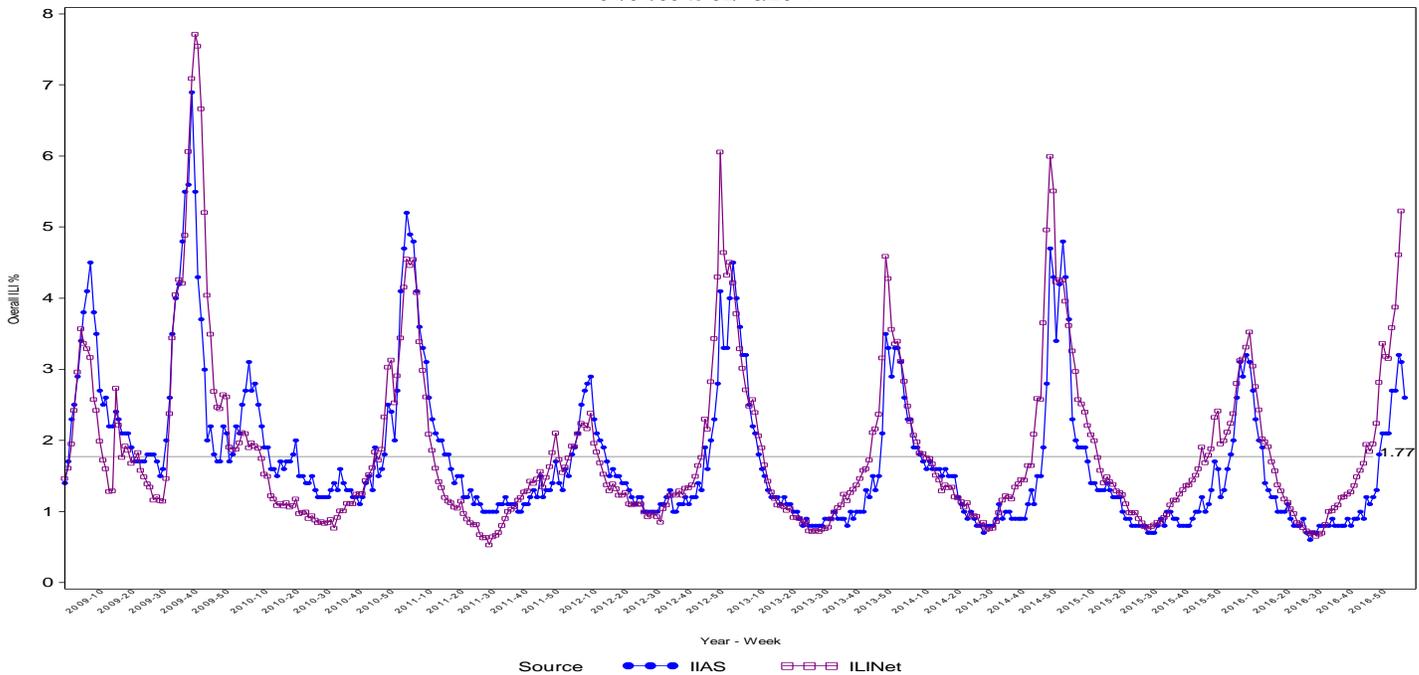
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 02/18/2017



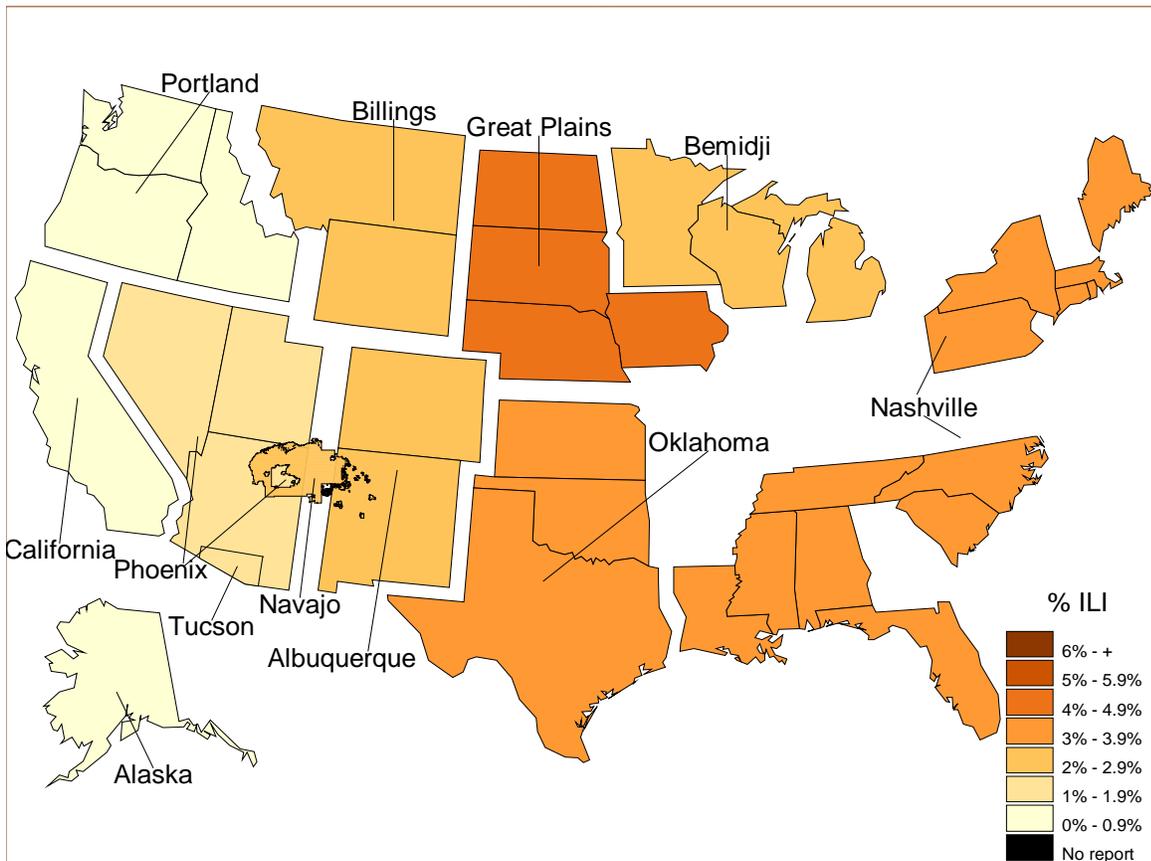
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 02/18/2017



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: 7



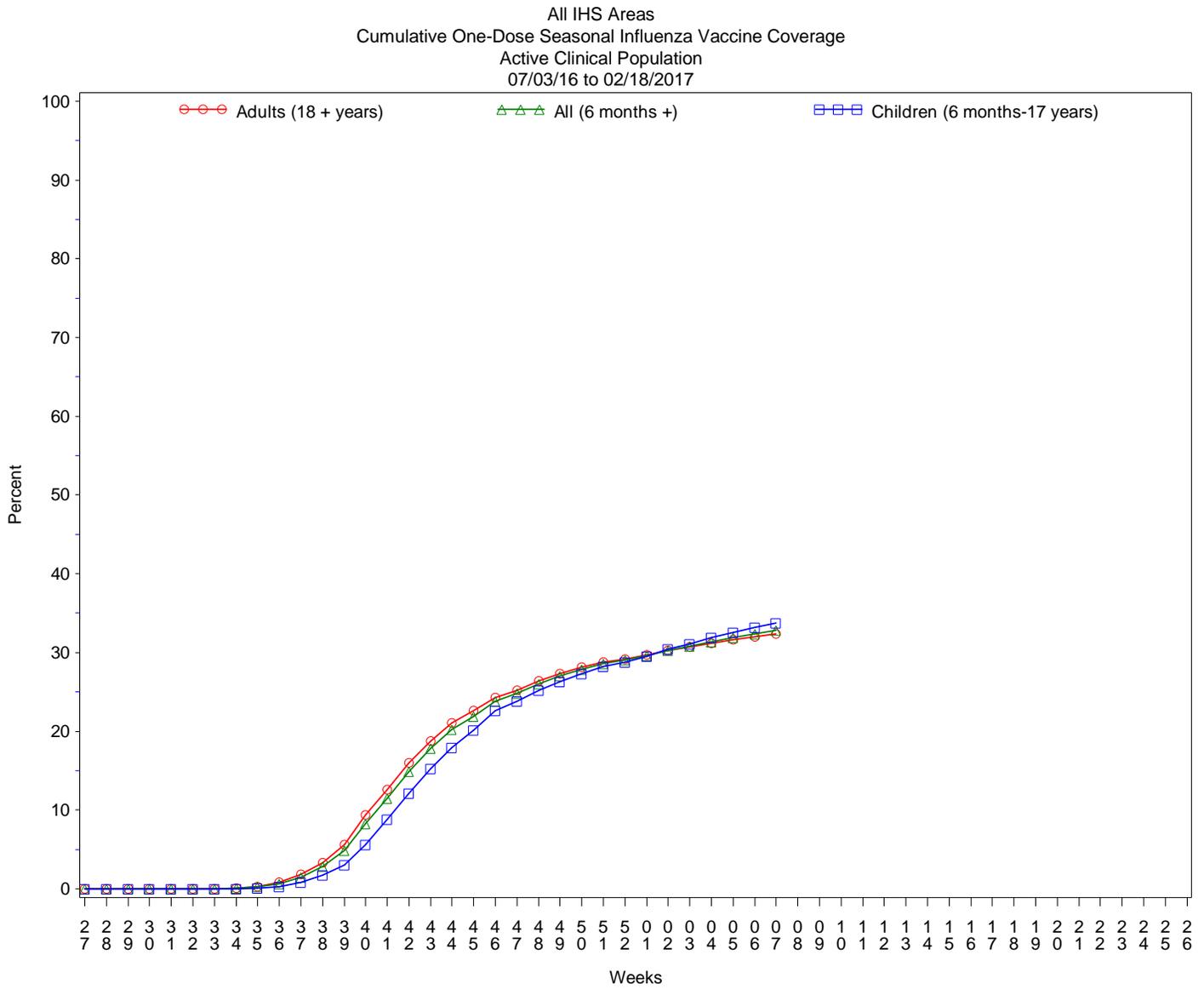
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 6	% in Week 7
NATIONAL	3.1	2.6
ALASKA	2.0	0.8
ALBUQUERQUE	2.3	2.6
BEMIDJI	2.8	2.8
BILLINGS	2.8	2.2
CALIFORNIA	1.1	0.8
GREAT PLAINS	5.4	4.7
NASHVILLE	2.6	3.4
NAVAJO	3.6	2.9
OKLAHOMA	3.4	3.0
PHOENIX	2.6	1.7
PORTLAND	1.7	0.8
TUCSON	1.9	1.4

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

IHS Influenza Vaccination Surveillance

- As of 02/18/2017, sites reporting to the IIAS have administered 330,958 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	4,663	52	1.1	0	0.0	53
6 - 23 months	22,502	12,970	57.6	3,393	15.1	16,454
2 - 4 years	55,073	16,592	30.1	528	1.0	17,240
5 - 17 years	207,030	66,579	32.2	459	0.2	67,518
18 - 49 years	421,372	107,687	25.6	625	0.1	109,246
50 - 64 years	176,155	70,406	40.0	458	0.3	71,543
65 + years	101,275	48,073	47.5	391	0.4	48,957
Children (6 months-17 years)	284,605	96,141	33.8	4,380	1.5	101,212
Adults (18 + years)	698,802	226,166	32.4	1,474	0.2	229,746
All (6 months +)	983,407	322,307	32.8	5,854	0.6	330,958

* 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	INACTIV E CVX CODES*	CVX 88 FLU-NOS**	CVX 111 FLU-LAIV3	CVX 135 FLU-HIGH	CVX 140 FLU-IIV3pf	CVX 141 FLU-IIV3	CVX 144 FLU-DER MAL	CVX 149 FLU-LAIV 4	CVX 150 FLU-IIV4pf	CV X 153 FLU - ccII V3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Proc 99.5 2 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	4	289	0	473	42	614	1	0	6409	1	2	3874	595	22	0	0	80	12406
ALB	1	208	0	1313	606	11102	1	0	5135	0	6	2171	785	1	0	0	93	21422
BEM	292	116	0	449	28	2890	0	2	4199	12	4	3678	406	46	0	2	261	12385
BIL	5	268	0	1029	15	2316	0	0	11626	0	2	1737	1112	167	0	0	131	18408
CAO	19	220	0	1412	32	3014	1	7	8690	0	2	5724	1740	60	0	2	133	21056
GPA	3	505	0	1082	159	13129	0	0	13126	12	26	5829	1327	9	0	0	103	35310
NSA	254	360	0	356	141	5798	239	0	4249	4	20	356	210	347	0	0	138	12472
NAV	29	400	1	1847	28	10536	9	0	14046	1	2	46458	3120	1079	0	0	218	77774
OKC	274	2467	1	2491	14	29664	7	1	9930	1	17	2984	1655	553	0	0	234	50293
PHX	3	567	0	1557	97	11406	27	0	22592	0	20	740	2854	2	0	0	239	40104
POR	10	449	1	803	1319	8440	12	1	5587	29	25	3623	419	1292	0	0	890	22900
TUC	0	59	0	33	29	11	0	0	6858	1	0	45	549	0	0	0	43	7628
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	894	5910	3	12845	2510	98920	297	11	112447	61	126	77219	14772	3578	0	4	2563	332160

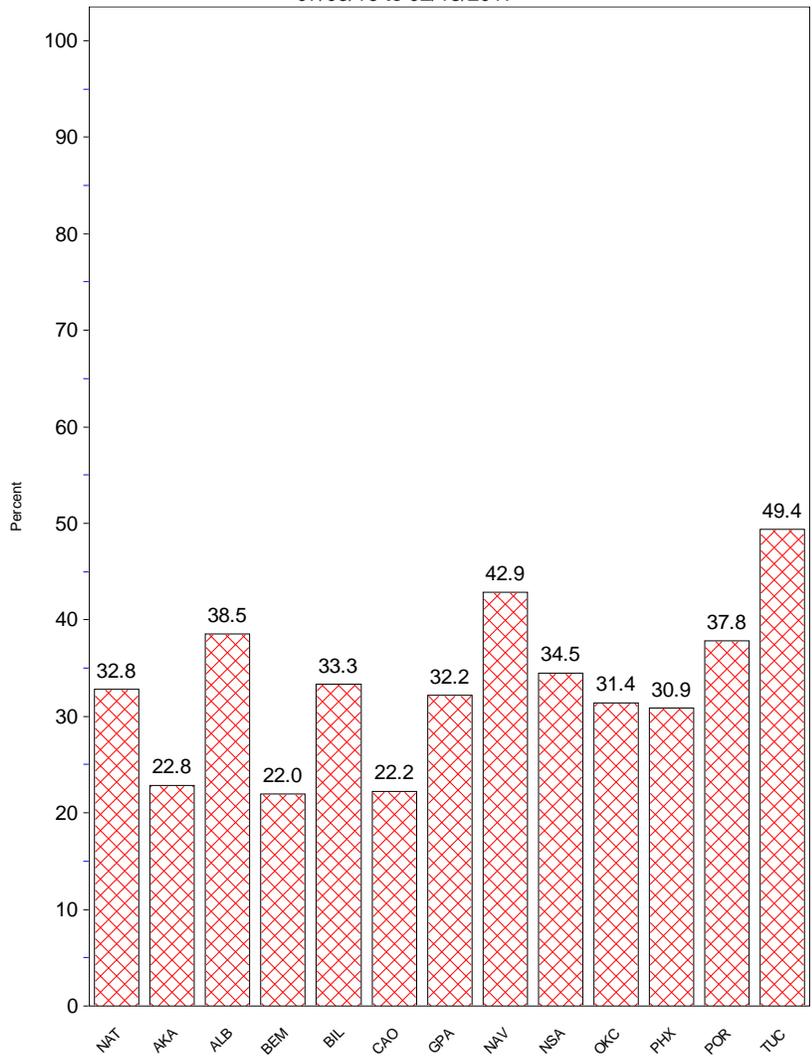
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 02/18/2017



- 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	160	301
ALASKA	6	50
ALBUQUERQUE	12	17
BEMIDJI	6	14
BILLINGS	13	22
CALIFORNIA	23	40
GREAT PLAINS	18	34
NASHVILLE	20	25
NAVAJO	8	23
OKLAHOMA	18	22
PHOENIX	15	26
PORTLAND	20	24
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.