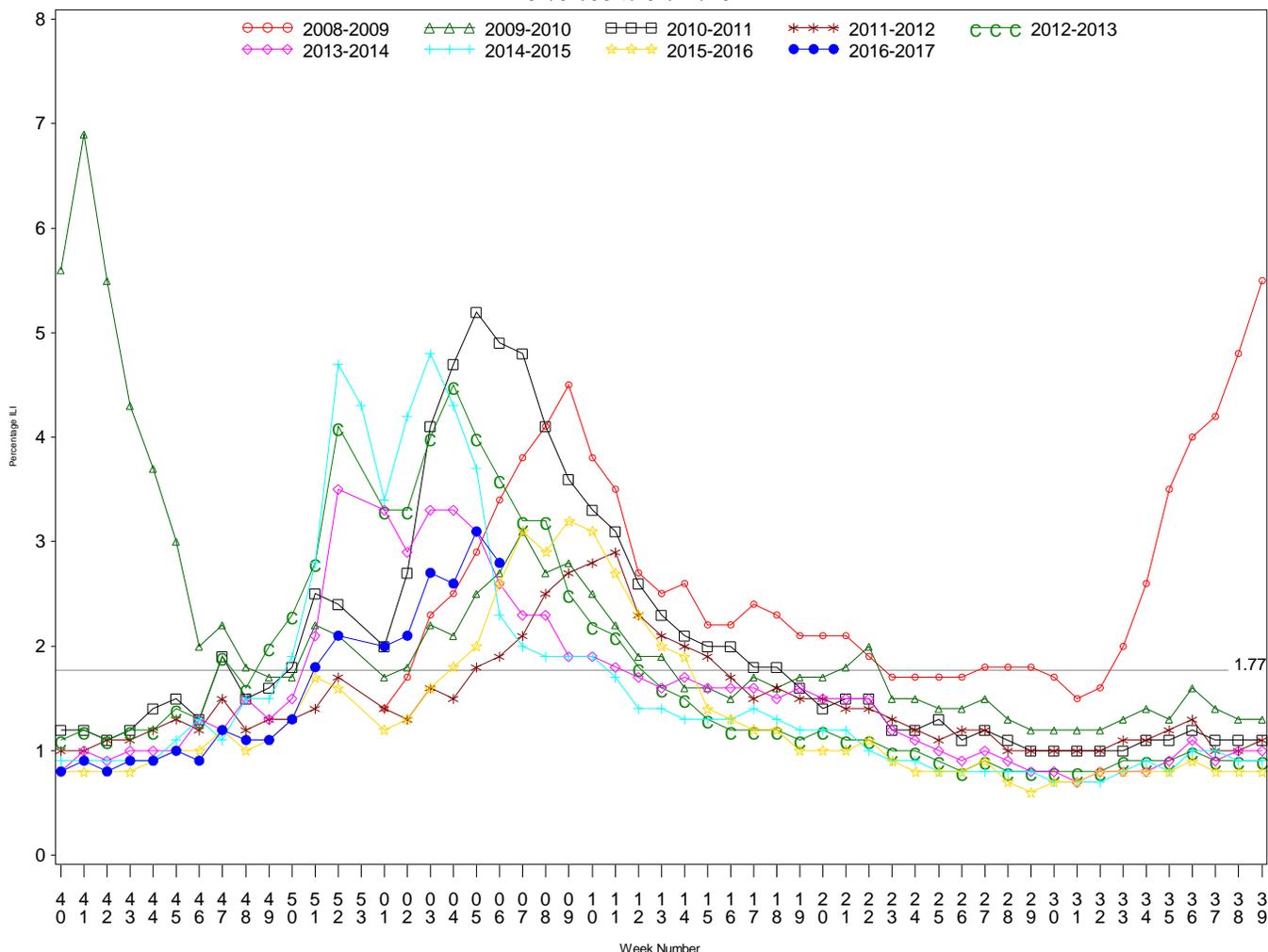




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
 (Week 6: 02/05/2017 – 02/11/2017)

- Influenza-like-illness (ILI) activity in IHS is elevated at 2.8%, 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 4.8%, above the ILINet baseline (2.2%) and above the IHS threshold (1.77%).
- To date, IHS has administered over 326,000 doses of influenza vaccine.
- Overall, 32% of the IHS Active Clinical population received an influenza vaccine this season.

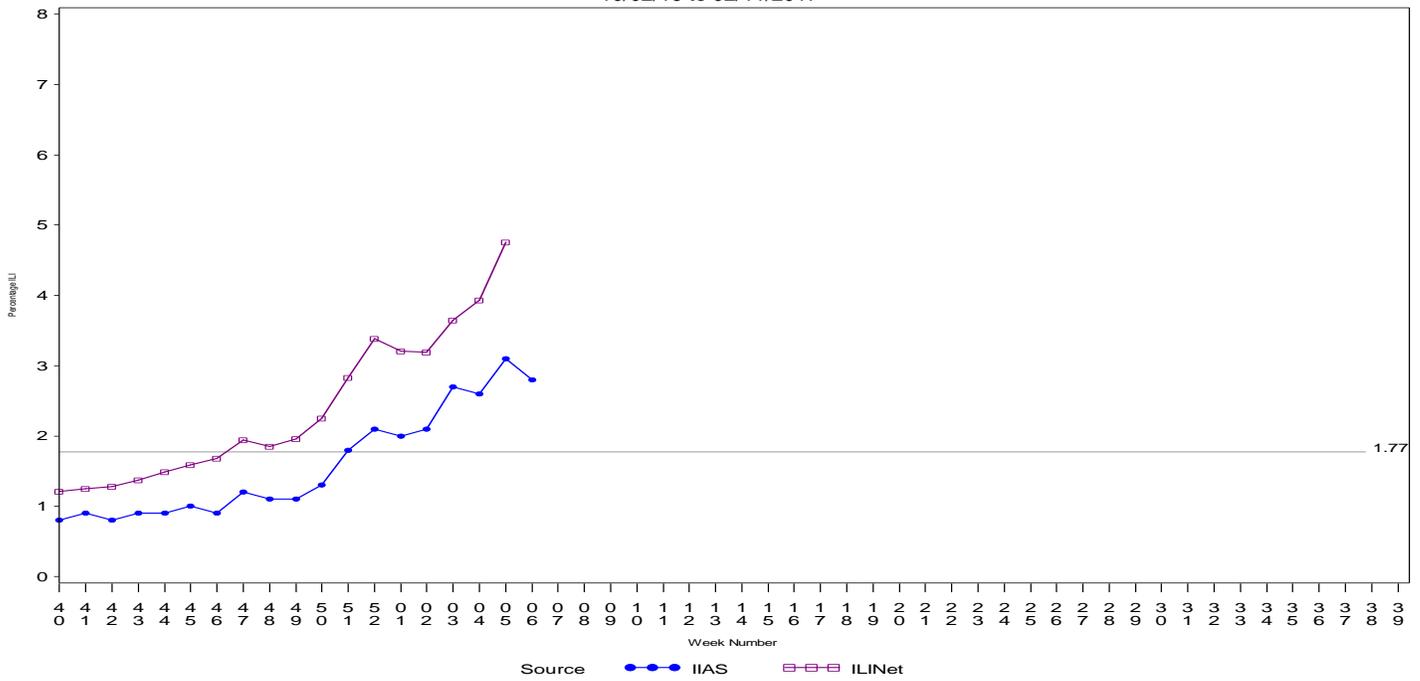
All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 02/11/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

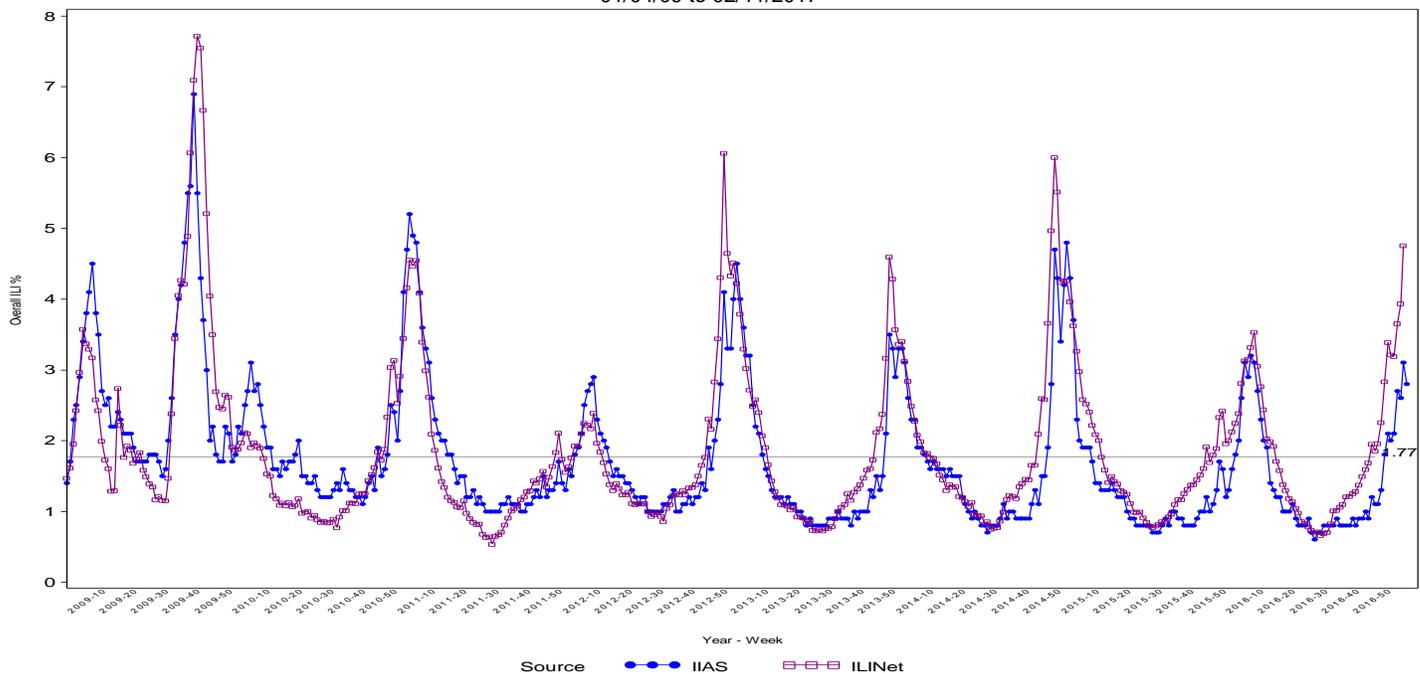
The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 02/11/2017



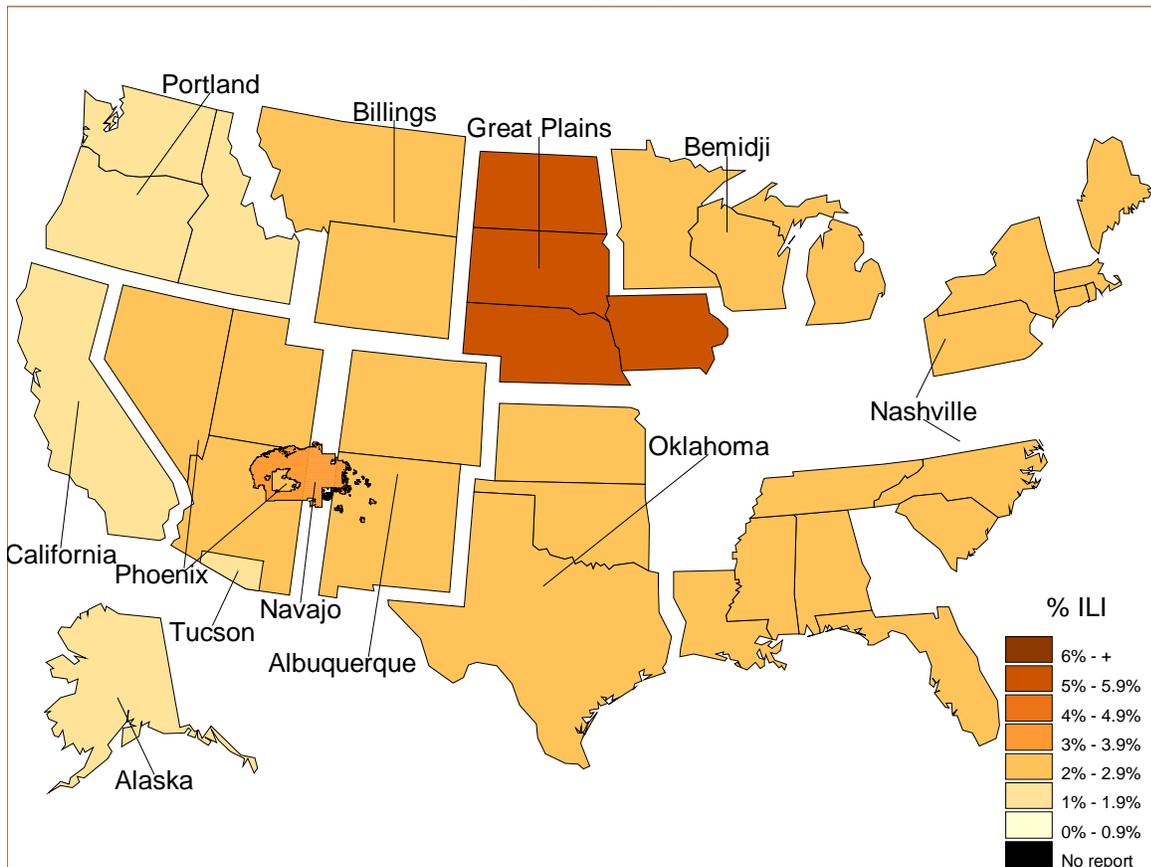
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 02/11/2017



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: 6



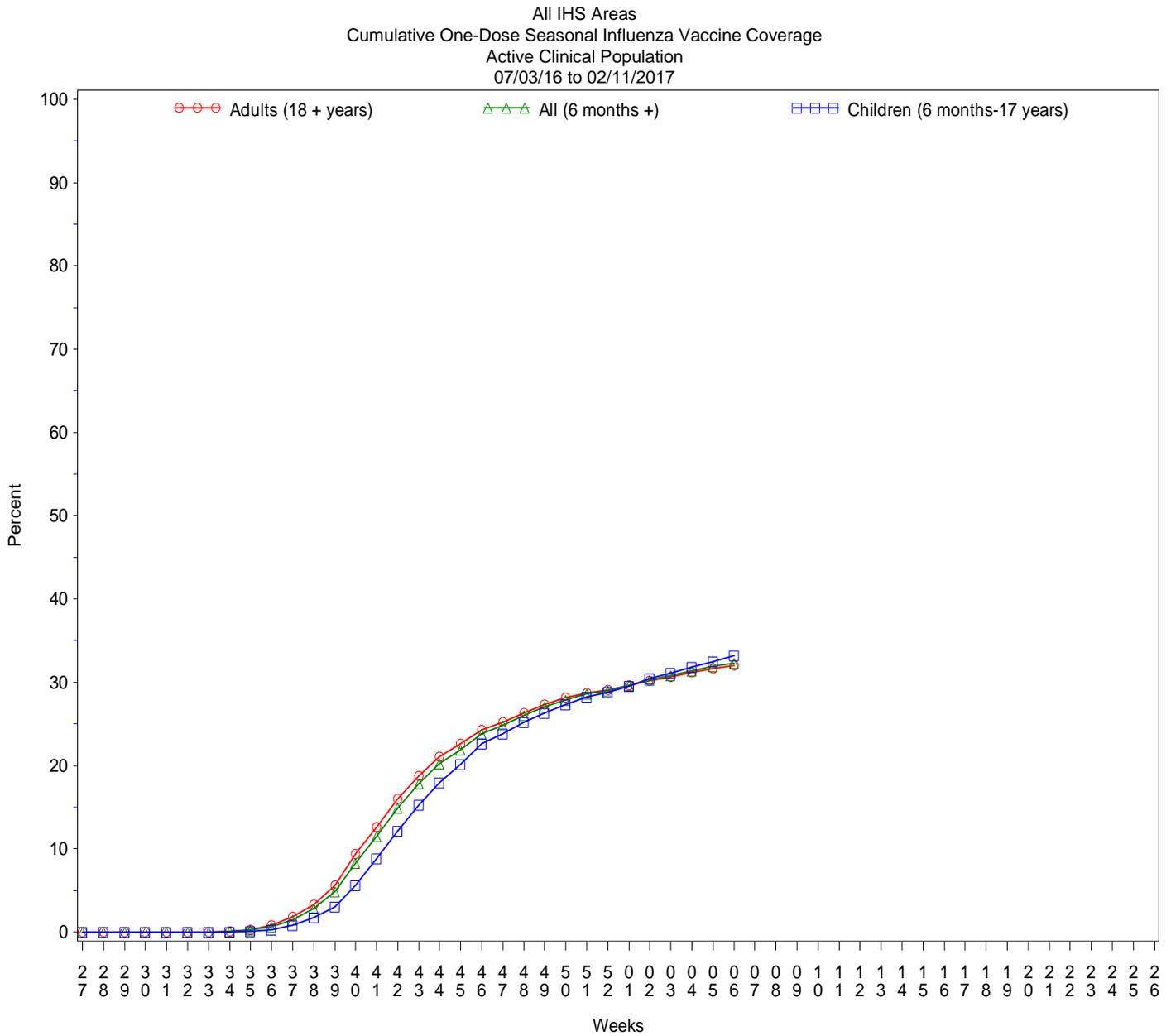
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 5	% in Week 6
NATIONAL	3.1	2.8
ALASKA	1.9	1.7
ALBUQUERQUE	2.4	2.2
BEMIDJI	2.6	2.5
BILLINGS	3.4	2.5
CALIFORNIA	1.5	1.1
GREAT PLAINS	4.7	5.1
NASHVILLE	2.6	2.4
NAVAJO	3.9	3.1
OKLAHOMA	3.1	2.9
PHOENIX	2.6	2.4
PORTLAND	1.7	1.4
TUCSON	2.3	1.8

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

IHS Influenza Vaccination Surveillance

- As of 02/11/2017, sites reporting to the IIAS have administered 326,222 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	49	1.1	0	0.0	50
6 - 23 months	22,502	12,619	56.1	3,168	14.1	15,872
2 - 4 years	55,073	16,222	29.5	481	0.9	16,818
5 - 17 years	207,030	65,567	31.7	441	0.2	66,483
18 - 49 years	421,372	106,145	25.2	615	0.1	107,681
50 - 64 years	176,155	69,707	39.6	449	0.3	70,826
65 + years	101,275	47,666	47.1	385	0.4	48,542
Children (6 months-17 years)	284,605	94,408	33.2	4,090	1.4	99,173
Adults (18 + years)	698,802	223,518	32.0	1,449	0.2	227,049
All (6 months +)	983,407	317,926	32.3	5,539	0.6	326,222

* 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 - ccll 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	467	41	611	1	0	6369	1	2	3839	584	22	0	0	77	12307
ALB	1	203	0	1307	602	10908	1	0	5042	0	6	2121	762	1	0	0	92	21046
BEM	287	114	0	447	28	2858	0	2	4144	12	4	3663	391	46	0	2	261	12259
BIL	5	268	0	1018	15	2295	0	0	11449	0	1	1731	1051	164	0	0	131	18128
CAO	17	216	0	1407	32	2986	1	7	8559	0	2	5649	1681	60	0	2	131	20750
GPA	3	485	0	1075	158	12934	0	0	12924	12	26	5735	1279	9	0	0	107	34747
NSA	247	359	0	355	141	5755	239	0	4203	4	20	356	194	342	0	0	136	12351
NAV	28	397	1	1826	28	10410	9	0	13854	1	2	45722	3037	1078	0	0	212	76605
OKC	274	2441	1	2478	14	29414	7	1	9800	1	17	2923	1609	553	0	0	232	49765
PHX	3	559	0	1541	97	11209	23	0	22230	0	20	725	2754	1	0	0	238	39400
POR	10	444	1	798	1307	8377	12	1	5461	29	24	3588	407	1268	0	0	884	22611
TUC	0	57	0	32	29	11	0	0	6706	1	0	41	536	0	0	0	43	7456
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	879	5834	3	12751	2492	97768	293	11	110741	61	124	76093	14285	3544	0	4	2544	327427

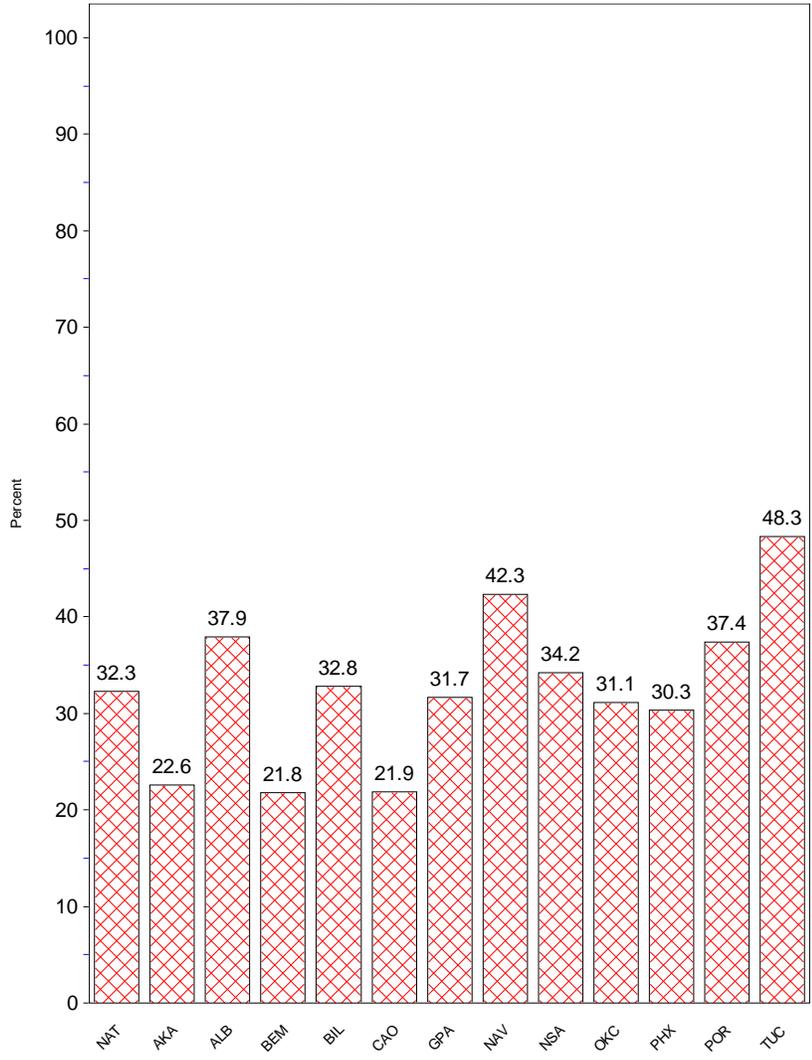
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 02/11/2017



- 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	163	308
ALASKA	8	61
ALBUQUERQUE	12	16
BEMIDJI	7	13
BILLINGS	13	23
CALIFORNIA	23	39
GREAT PLAINS	18	35
NASHVILLE	20	24
NAVAJO	8	22
OKLAHOMA	18	22
PHOENIX	15	26
PORTLAND	20	23
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.