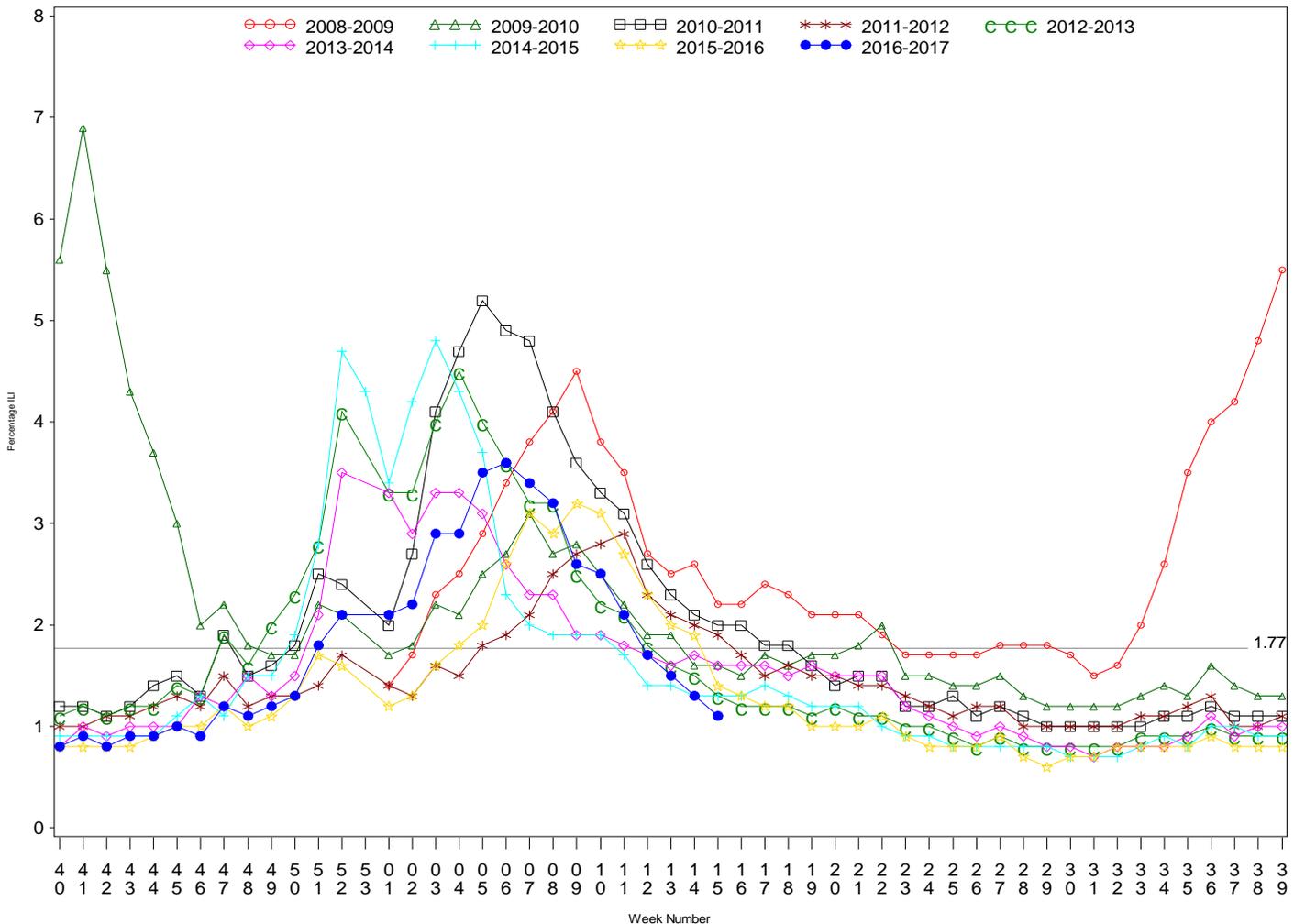




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 15: 04/09/2017 – 04/15/2017)

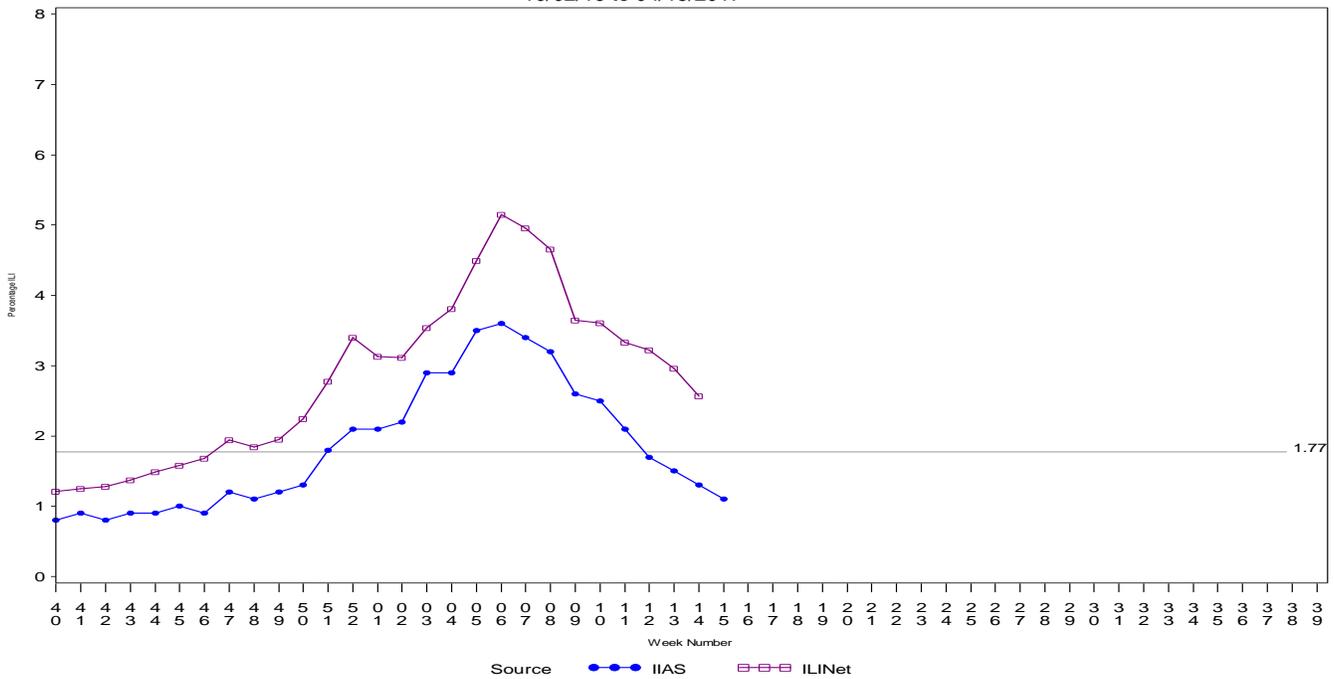
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.1%, below the IHS baseline of 1.77%
 - One IHS region is reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
 - CDC's ILINet ILI activity is 2.6%, above the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 354,000 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 04/15/2017



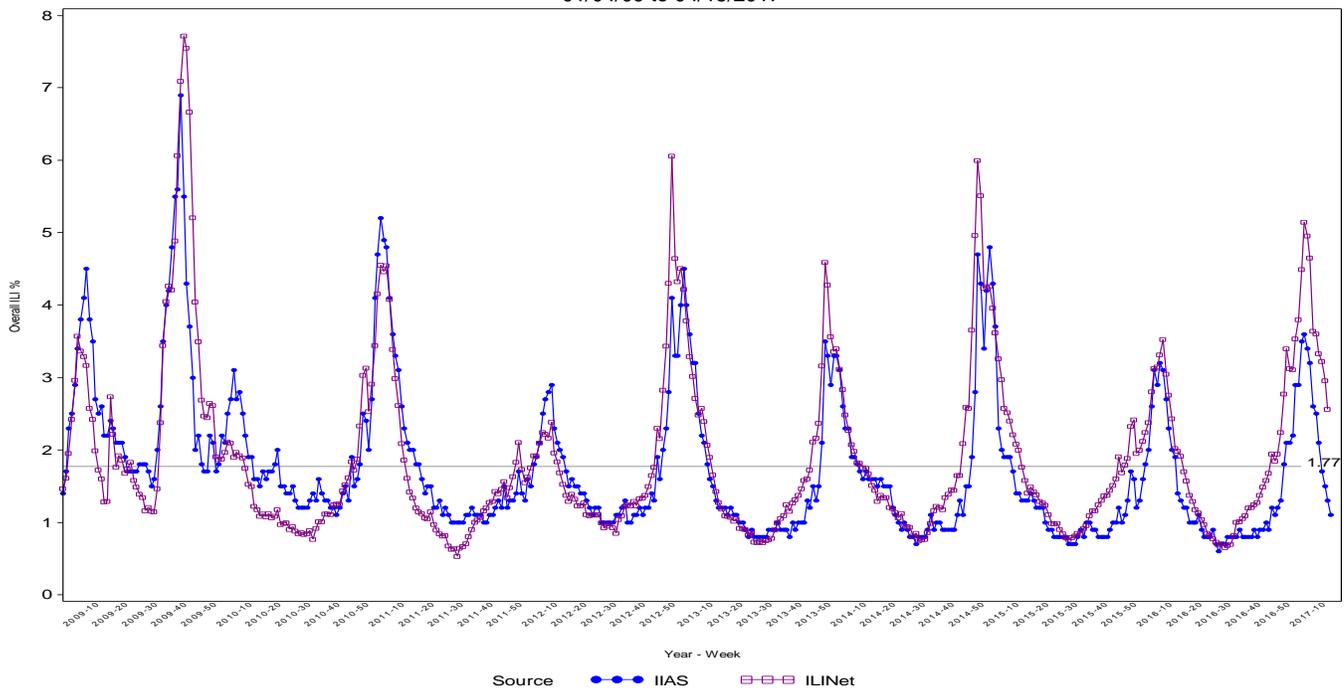
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 04/15/2017



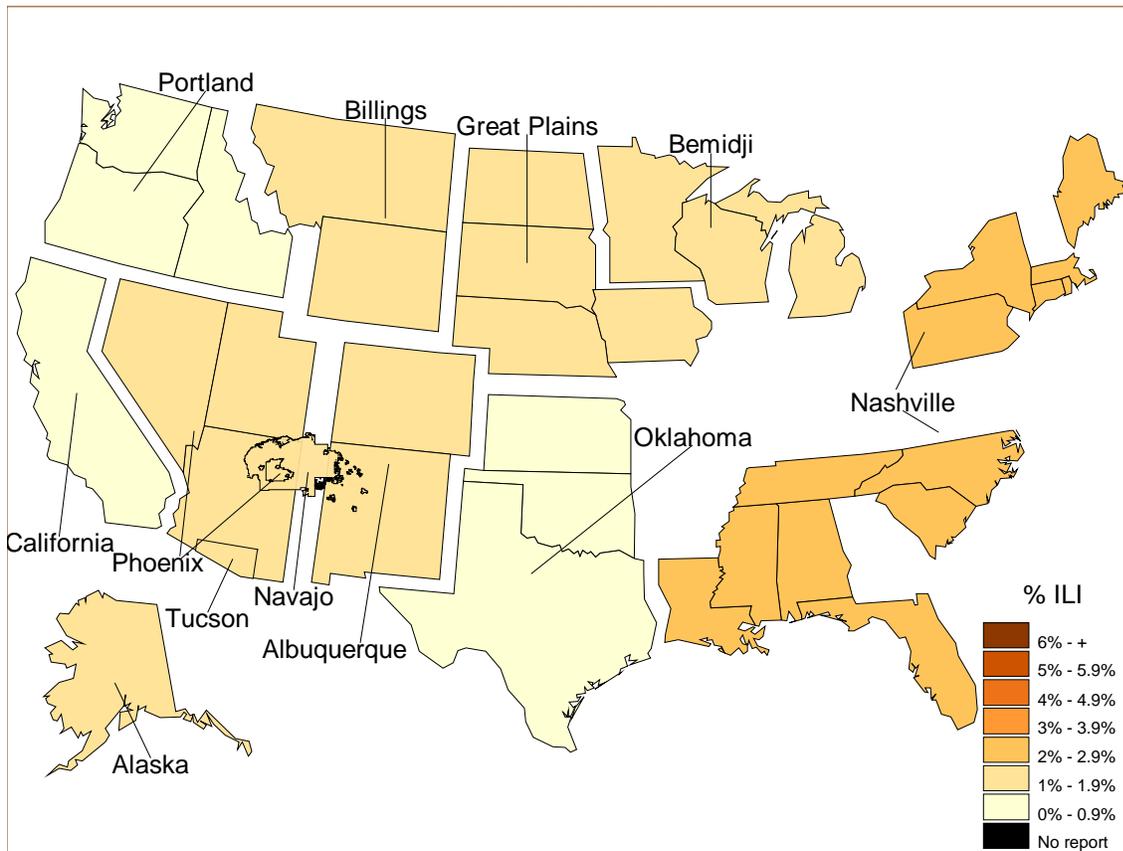
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 04/15/2017



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: 15



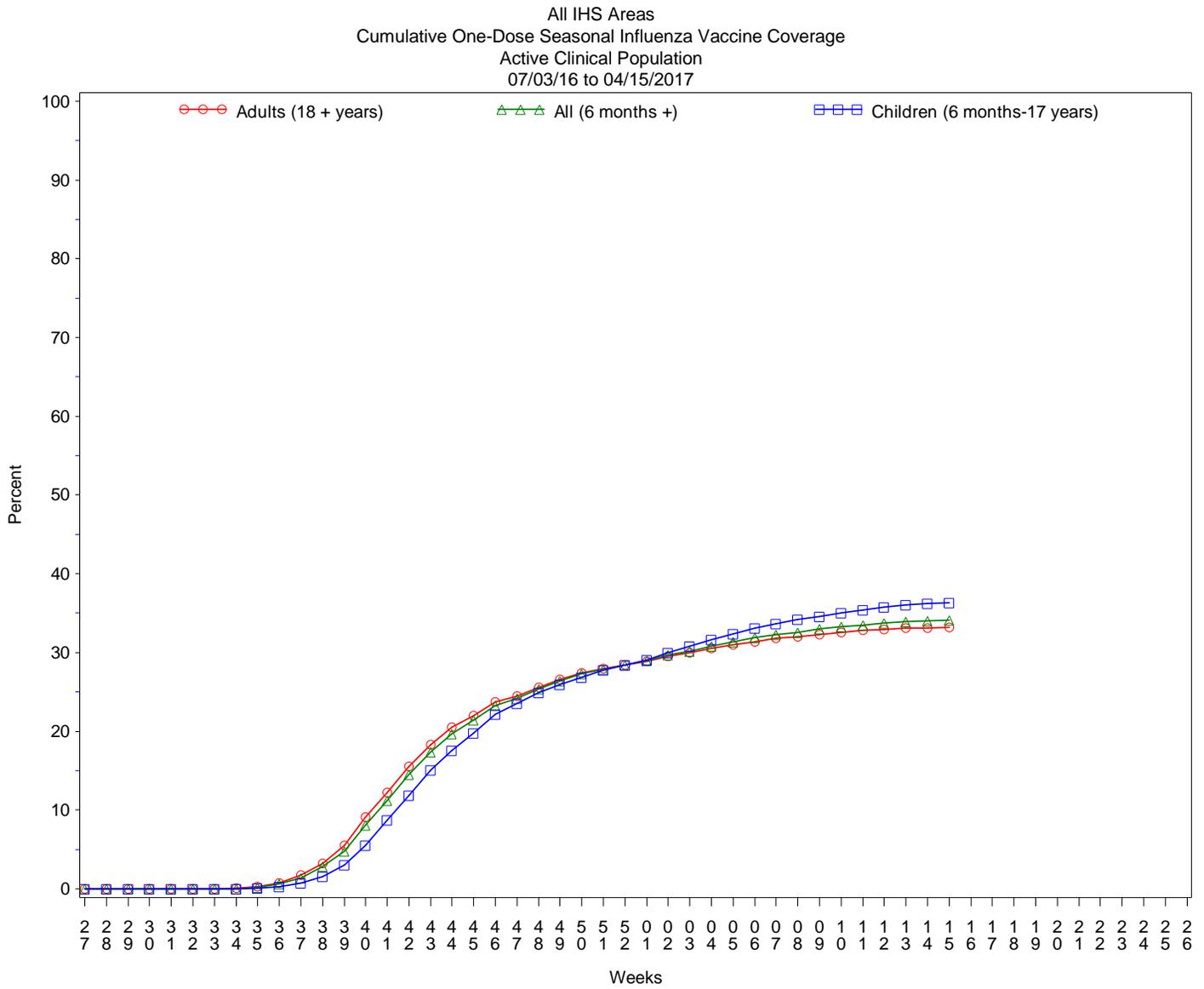
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 14	% in Week 15
NATIONAL	1.3	1.1
ALASKA	1.2	1.4
ALBUQUERQUE	1.1	1.1
BEMIDJI	2.5	1.7
BILLINGS	1.2	1.0
CALIFORNIA	0.4	0.6
GREAT PLAINS	1.6	1.4
NASHVILLE	2.9	2.0
NAVAJO	1.3	1.1
OKLAHOMA	0.6	0.6
PHOENIX	1.6	1.3
PORTLAND	0.8	0.4
TUCSON	1.4	1.3

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

IHS Influenza Vaccination Surveillance

- As of 04/15/2017, sites reporting to the IIAS have administered 354,034 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	4,499	119	2.6	0	0.0	120
6 - 23 months	22,990	15,076	65.6	4,981	21.7	20,090
2 - 4 years	55,806	18,667	33.4	821	1.5	19,530
5 - 17 years	211,265	71,497	33.8	539	0.3	72,287
18 - 49 years	435,179	115,660	26.6	749	0.2	116,742
50 - 64 years	182,257	73,948	40.6	522	0.3	74,739
65 + years	104,453	49,910	47.8	431	0.4	50,646
Children (6 months-17 years)	290,061	105,240	36.3	6,341	2.2	111,907
Adults (18 + years)	721,889	239,518	33.2	1,702	0.2	242,127
All (6 months +)	1,011,950	344,758	34.1	8,043	0.8	354,034

* 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 Vacc Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	4	355	0	487	43	630	1	0	6736	1	2	4131	683	22	0	0	89	13184
ALB	2	224	0	1352	631	12344	1	0	5856	0	7	2241	1047	1	0	0	105	23811
BEM	302	126	1	457	29	3103	0	2	4456	18	4	3773	466	47	0	2	265	13051
BIL	5	285	0	1061	15	2401	0	0	12443	0	2	1858	1270	171	0	0	136	19647
CAO	19	232	0	1446	35	3332	1	8	9087	0	2	6098	2031	60	0	3	141	22495
GPA	3	565	0	1113	167	13922	0	0	14101	12	26	6220	1640	9	0	0	98	37876
NSA	255	363	0	360	165	5992	252	0	4429	4	20	357	301	348	0	0	150	12996
NAV	35	448	1	1913	32	10948	9	0	14776	2	2	49504	3584	1082	0	0	240	82576
OKC	293	2754	1	2532	17	31041	7	1	10708	1	19	3283	1934	556	0	0	243	53390
PHX	4	624	0	1625	111	12480	29	0	24123	0	22	863	3442	2	0	0	272	43597
POR	10	487	1	817	1340	8769	16	1	6107	29	26	3827	504	1377	0	0	911	24222
TUC	0	62	0	37	32	11	0	0	7618	1	0	53	707	0	0	0	43	8564
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	932	6527	4	13200	2617	104973	316	12	120440	68	132	82208	17609	3675	0	5	2693	355411

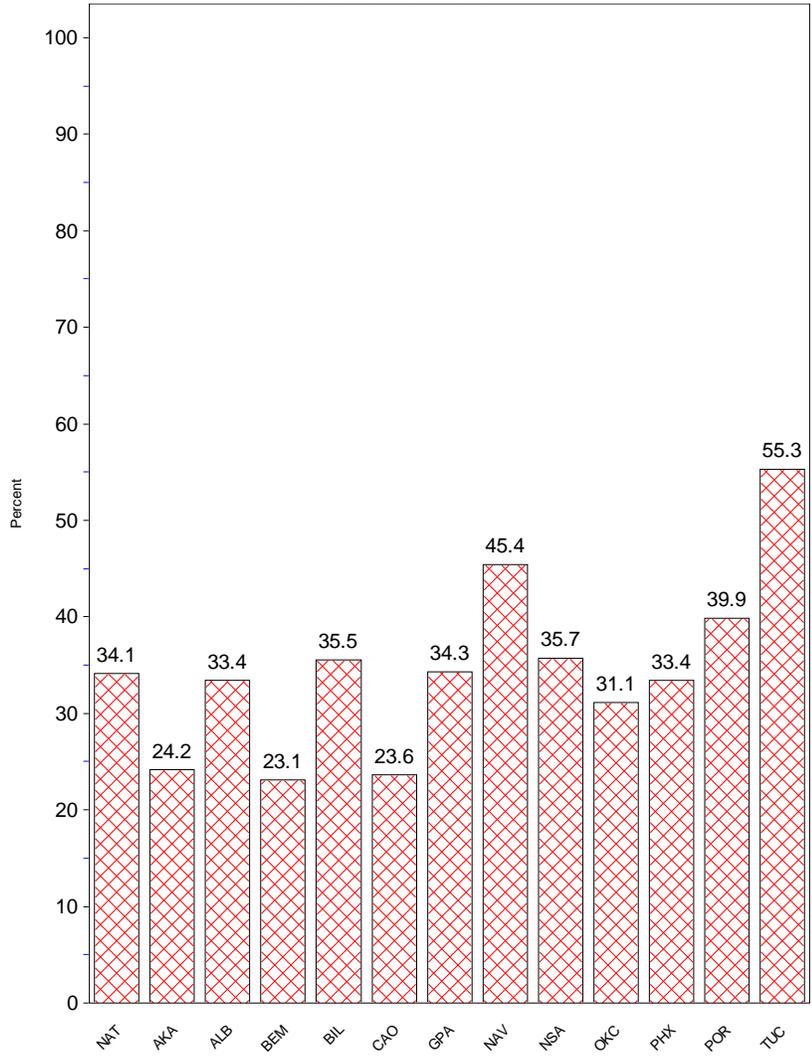
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 04/15/2017



- 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	296
ALASKA	6	50
ALBUQUERQUE	13	21
BEMIDJI	6	12
BILLINGS	13	23
CALIFORNIA	21	31
GREAT PLAINS	18	35
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	18	22
PHOENIX	14	25
PORTLAND	22	26
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.