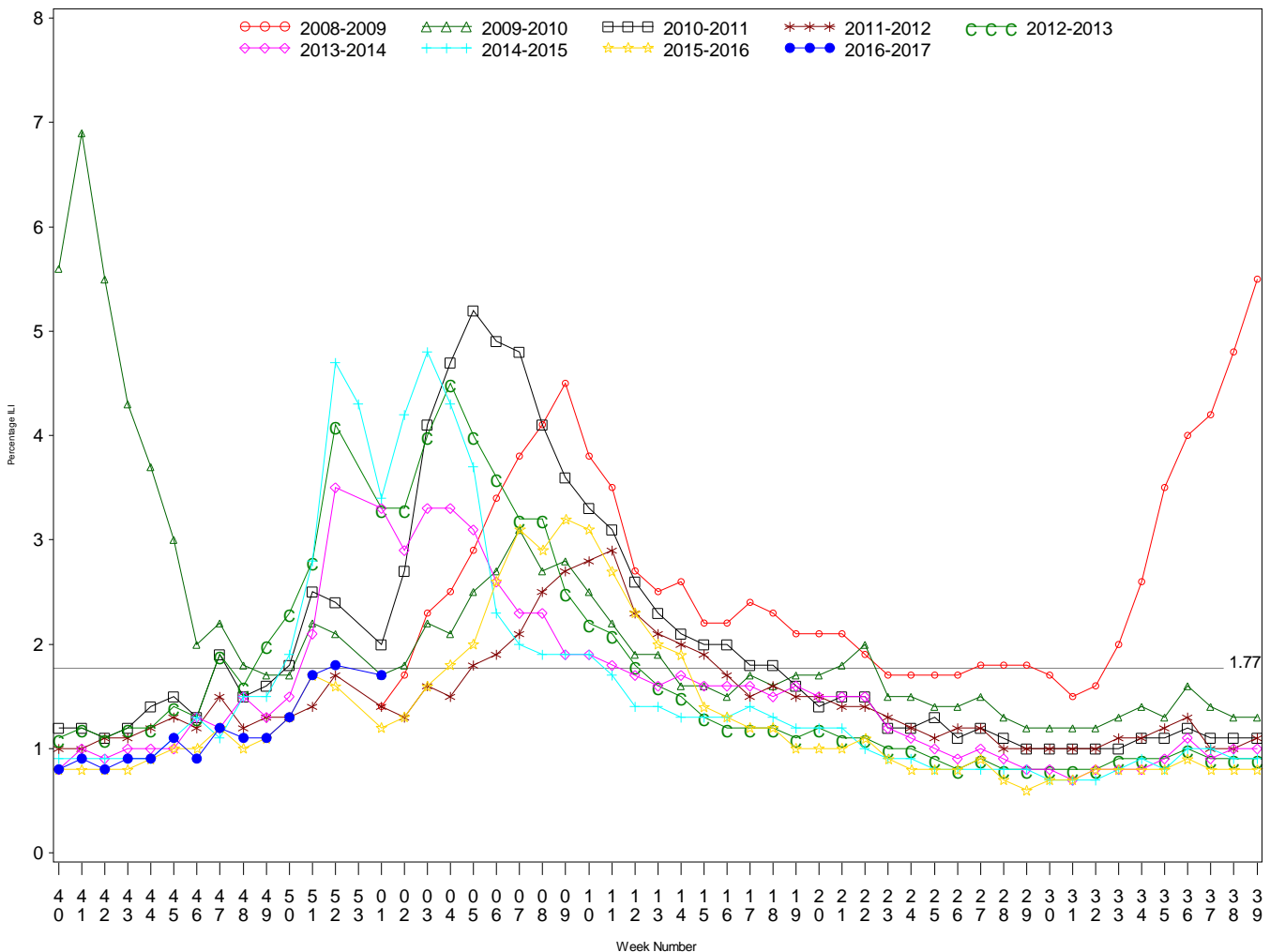




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
 (Week 1: 01/01/2017 – 01/07/2017)

- Influenza-like-illness (ILI) activity is low but increasing across a majority of IHS Regions
 - Overall, IHS ILI activity remains at the IHS threshold of 1.77%, though three regions are reporting elevated activity
- National ILI activity is increasing across a majority of US states
 - CDC's ILINet ILI activity of 3.4% is above the ILINet baseline of 2.2% and above the IHS threshold of 1.77%.
- To date IHS has administered over 287,000 doses of influenza vaccine.
- Overall, 30% of the IHS Active Clinical population received an influenza vaccine this season.

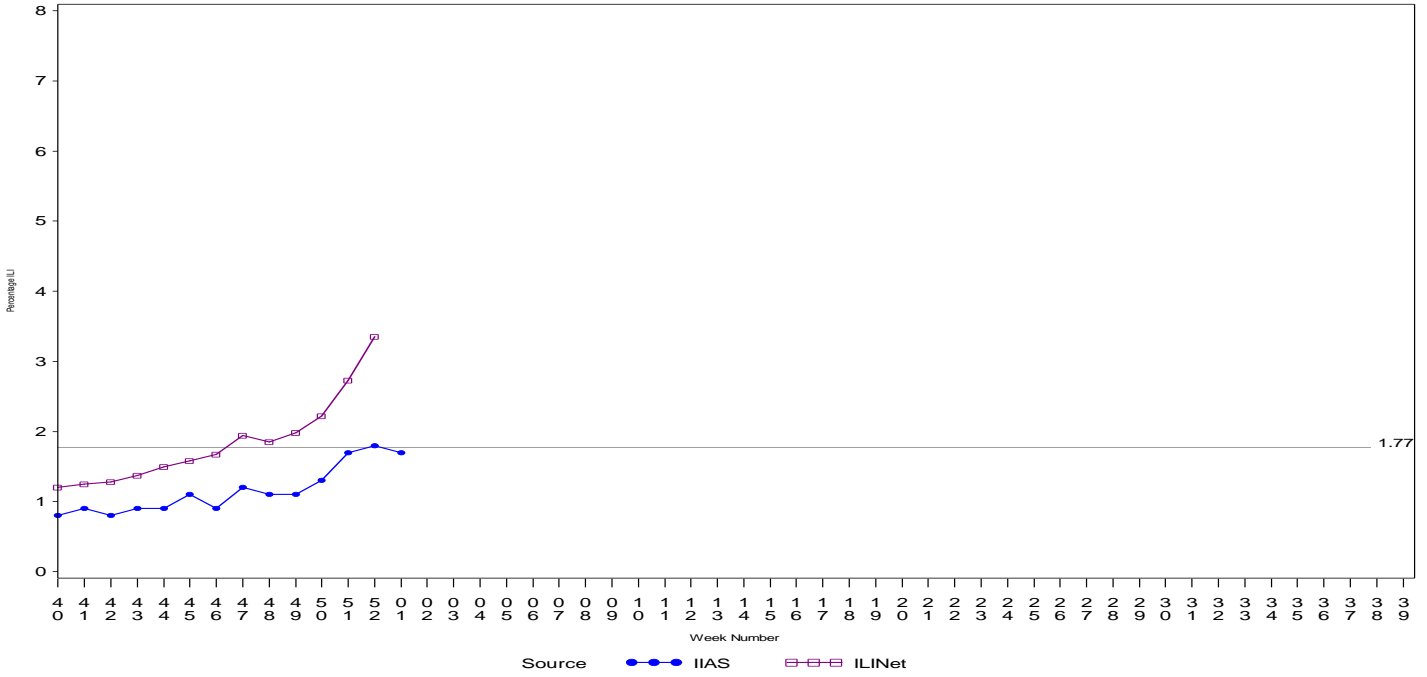
All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 01/07/2017



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 01/07/2017



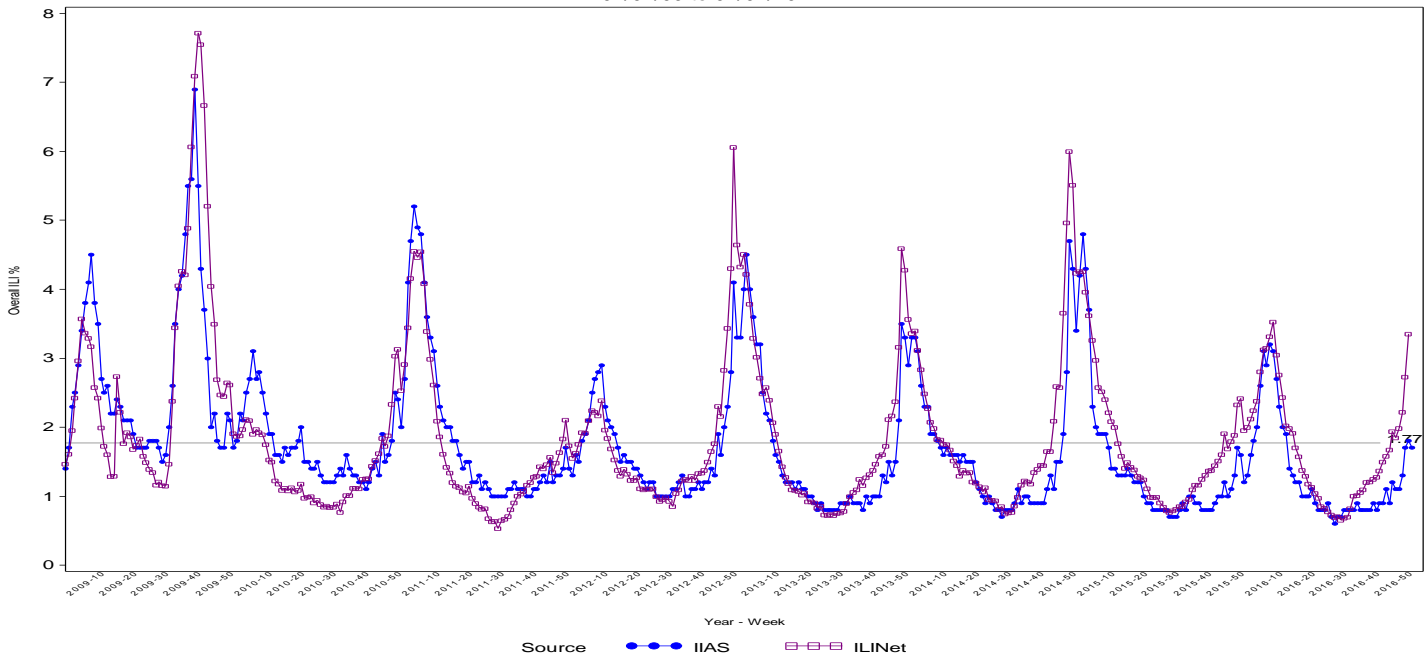
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 Sentinal 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 01/07/2017

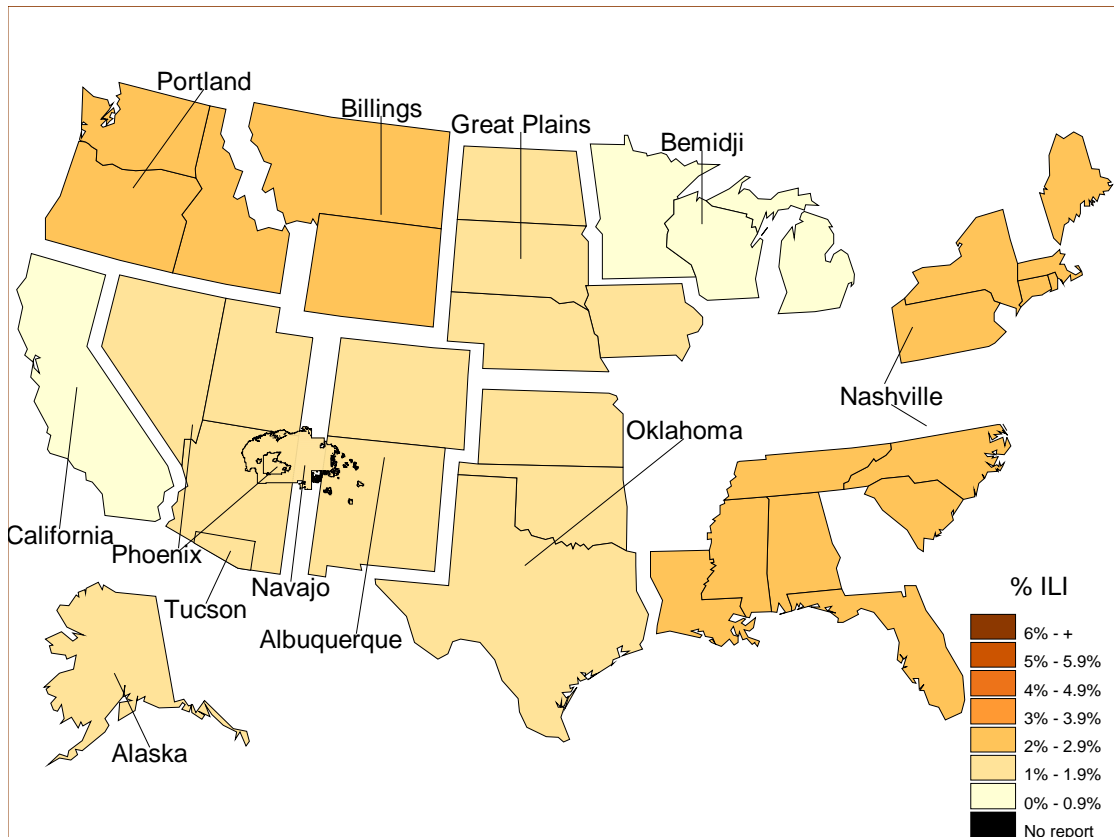


Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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: 1



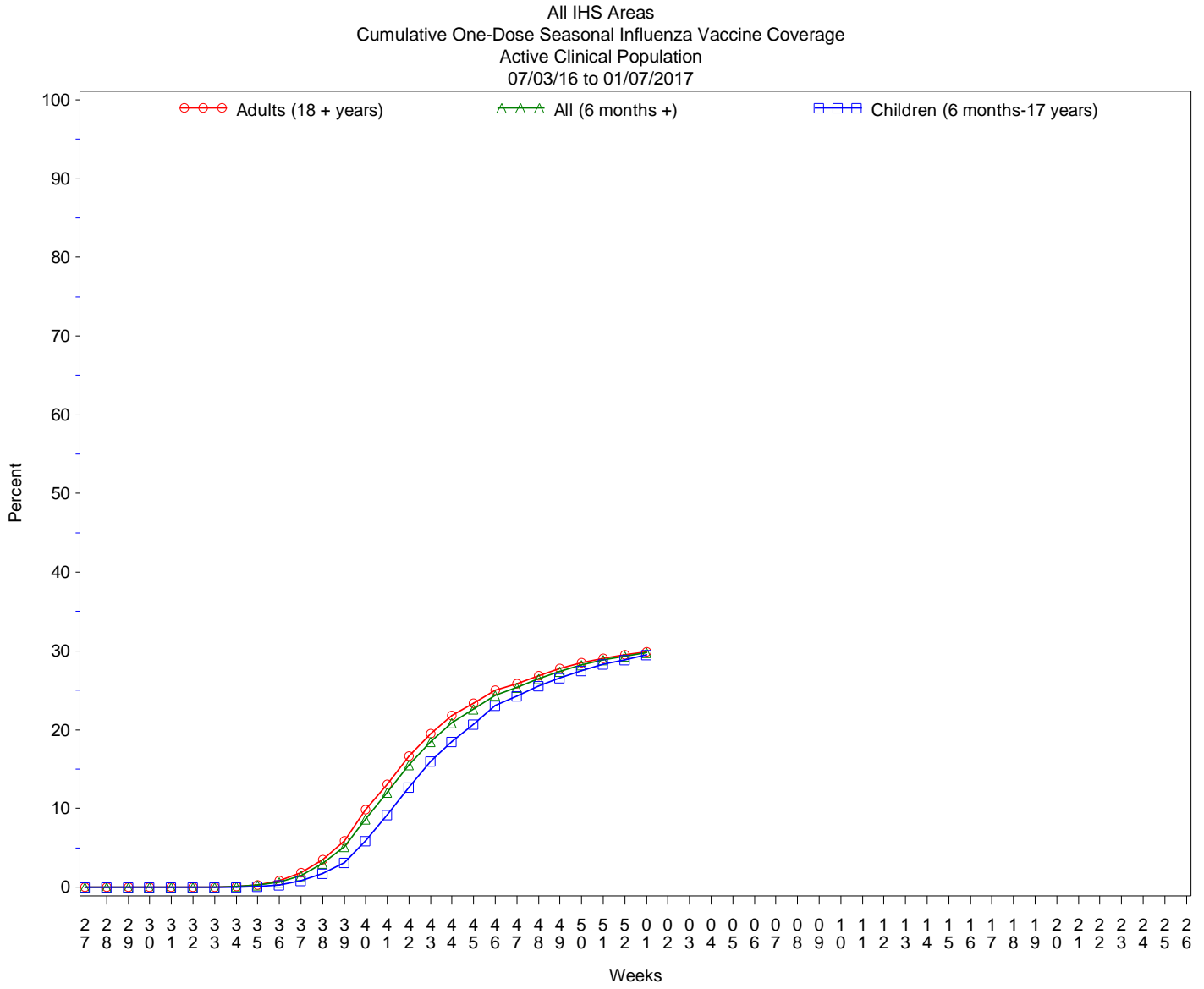
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 52	% in Week 1
NATIONAL	1.8	1.7
ALASKA	1.4	1.5
ALBUQUERQUE	1.4	1.3
BEMIDJI	0.9	0.6
BILLINGS	2.0	2.9
CALIFORNIA	1.2	0.9
GREAT PLAINS	1.7	1.7
NASHVILLE	4.2	2.3
NAVAJO	1.8	1.7
OKLAHOMA	1.2	1.1
PHOENIX	2.2	1.8
PORTLAND	2.1	2.1
TUCSON	1.3	1.0

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

IHS Influenza Vaccination Surveillance

- As of 01/07/2017, sites reporting to the IIAS have administered 287,154 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	4,419	37	0.8	0	0.0	38
6 - 23 months	21,422	9,941	46.4	1,850	8.6	11,851
2 - 4 years	52,573	13,157	25.0	275	0.5	13,532
5 - 17 years	197,965	57,055	28.8	354	0.2	57,812
18 - 49 years	404,209	93,764	23.2	470	0.1	95,044
50 - 64 years	170,004	63,211	37.2	378	0.2	64,193
65 + years	97,466	43,937	45.1	319	0.3	44,722
Children (6 months-17 years)	271,960	80,153	29.5	2,479	0.9	83,195
Adults (18 + years)	671,679	200,912	29.9	1,167	0.2	203,959
All (6 months +)	943,639	281,065	29.8	3,646	0.4	287,154

* 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	CVX 153 FLU-ccIIV 3	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	266	0	417	40	564	1	0	5569	0	2	3302	447	19	0	0	57	10688
ALB	1	164	0	1265	535	9596	1	0	4375	0	6	1934	608	1	0	0	82	18568
BEM	269	102	0	422	26	2624	0	1	3681	5	4	3312	282	46	0	2	248	11024
BIL	5	234	0	894	13	2114	0	0	9912	0	0	1653	882	143	0	0	110	15960
CAO	12	184	0	1338	20	2623	1	7	7823	0	2	4650	1345	59	0	2	115	18181
GPA	3	426	0	1034	137	11884	0	0	11696	12	26	5217	1003	9	0	0	85	31532
NSA	205	343	0	351	115	5269	219	0	3882	4	18	342	136	322	0	0	115	11321
NAV	26	328	1	1731	23	9541	9	0	12178	0	1	40101	2434	1048	0	0	175	67596
OKC	257	2033	0	2392	13	27263	7	1	8807	1	15	2478	1344	535	0	0	213	45359
PHX	3	470	0	1157	33	8449	12	0	18385	0	19	422	1942	1	0	0	230	31123
POR	8	385	1	730	1195	7733	12	1	4861	28	20	3147	341	1120	0	0	777	20359
TUC	0	49	0	29	24	8	0	0	5954	1	0	35	397	0	0	0	35	6532
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	793	4986	2	11760	2174	87668	262	10	97123	51	113	66593	11161	3303	0	4	2242	288245

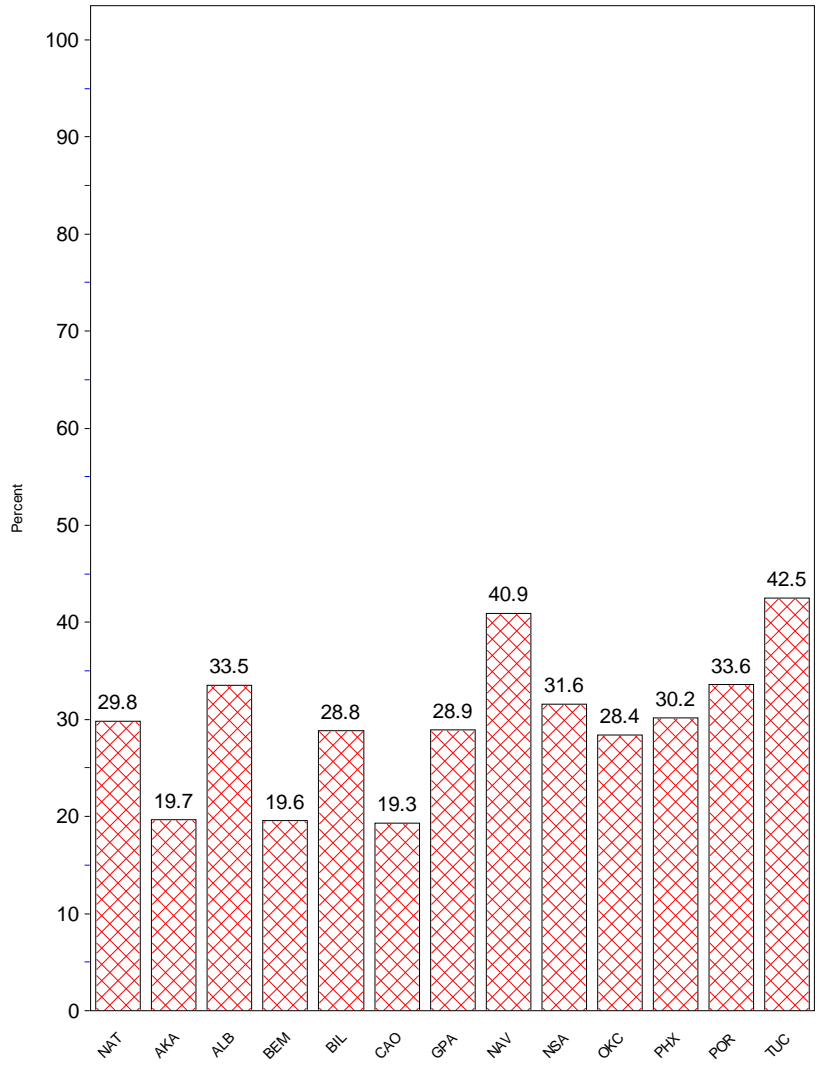
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 01/07/2017



- 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	290
ALASKA	8	52
ALBUQUERQUE	12	17
BEMIDJI	10	18
BILLINGS	12	18
CALIFORNIA	22	33
GREAT PLAINS	18	32
NASHVILLE	19	23
NAVAJO	7	18
OKLAHOMA	19	26
PHOENIX	13	24
PORTLAND	22	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.