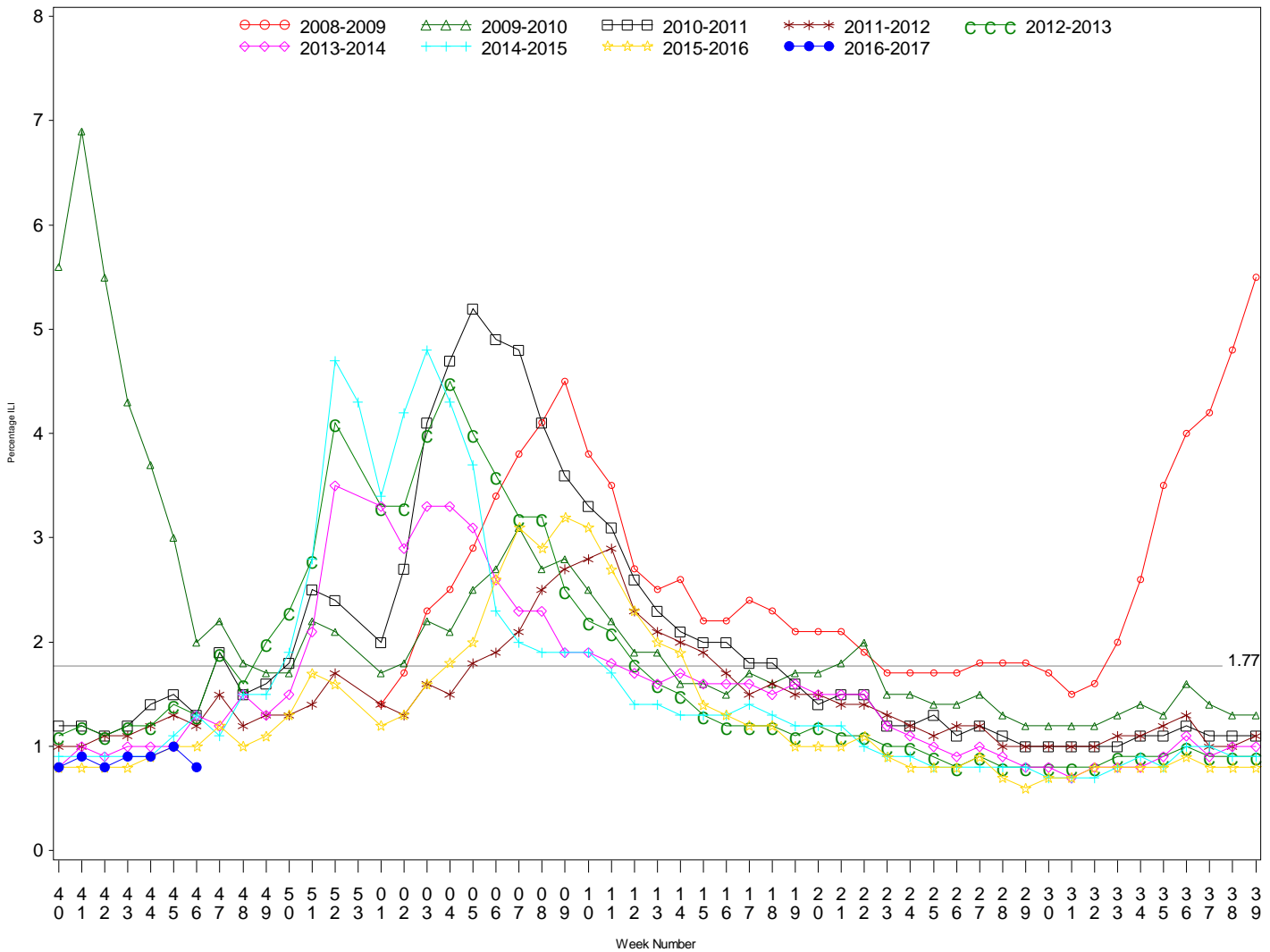




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 46: 11/13/2016 – 11/19/2016)

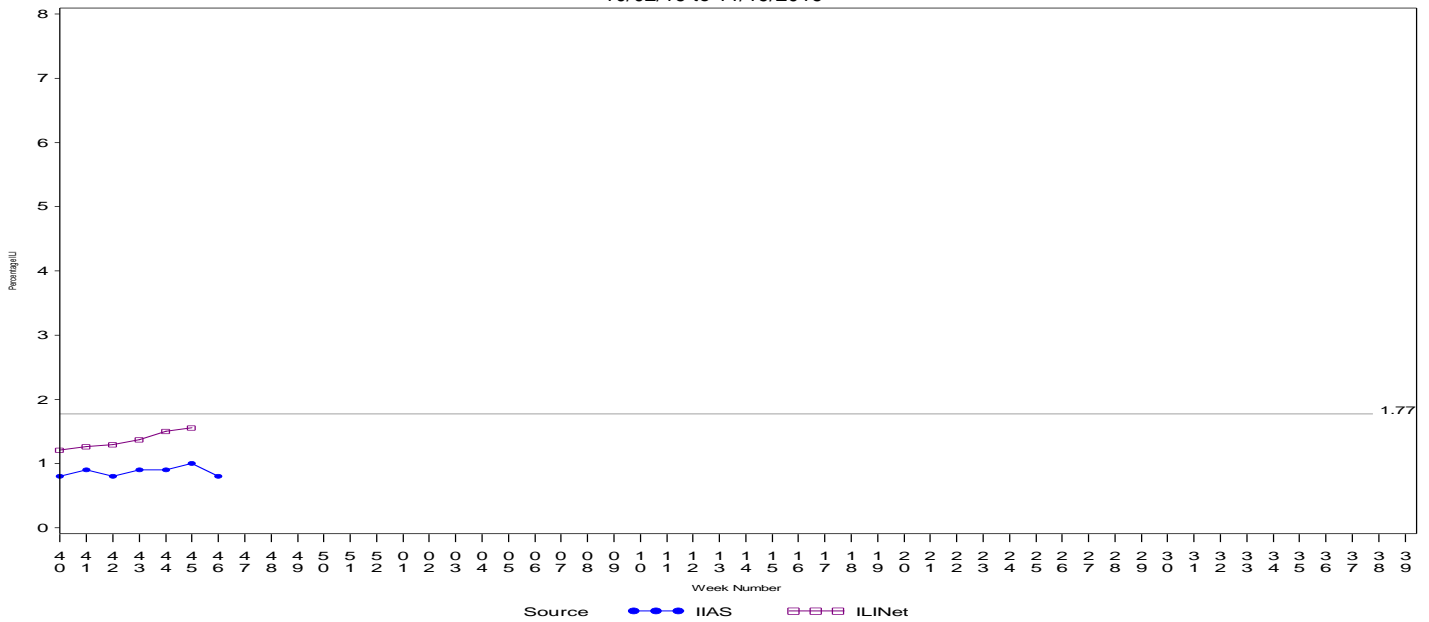
- Influenza-like-illness activity is low across all IHS Regions
- To date IHS has administered over 217,000 doses of influenza vaccine.
- Overall, 23% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 11/19/2016



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
 ILINet vs. IIAS
 10/02/16 to 11/19/2016



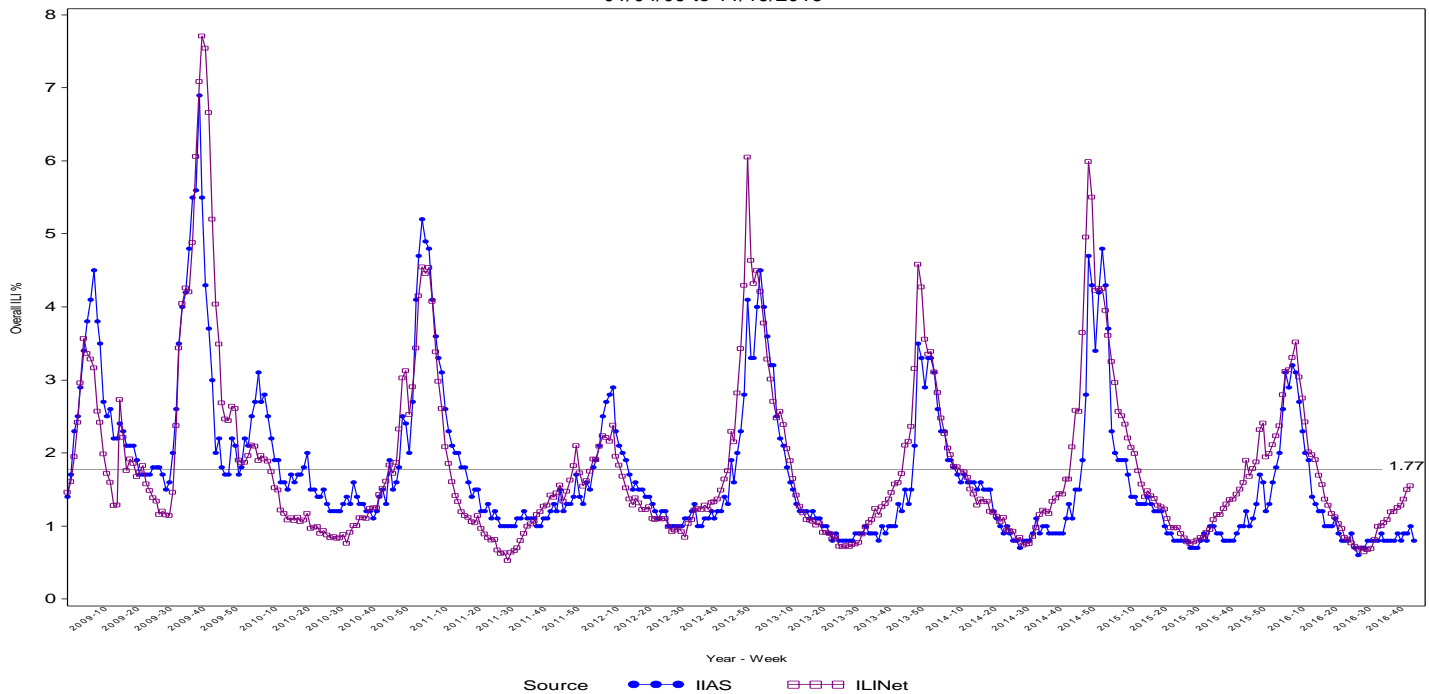
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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

IIAS versus ILINet
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 01/04/09 to 11/19/2016



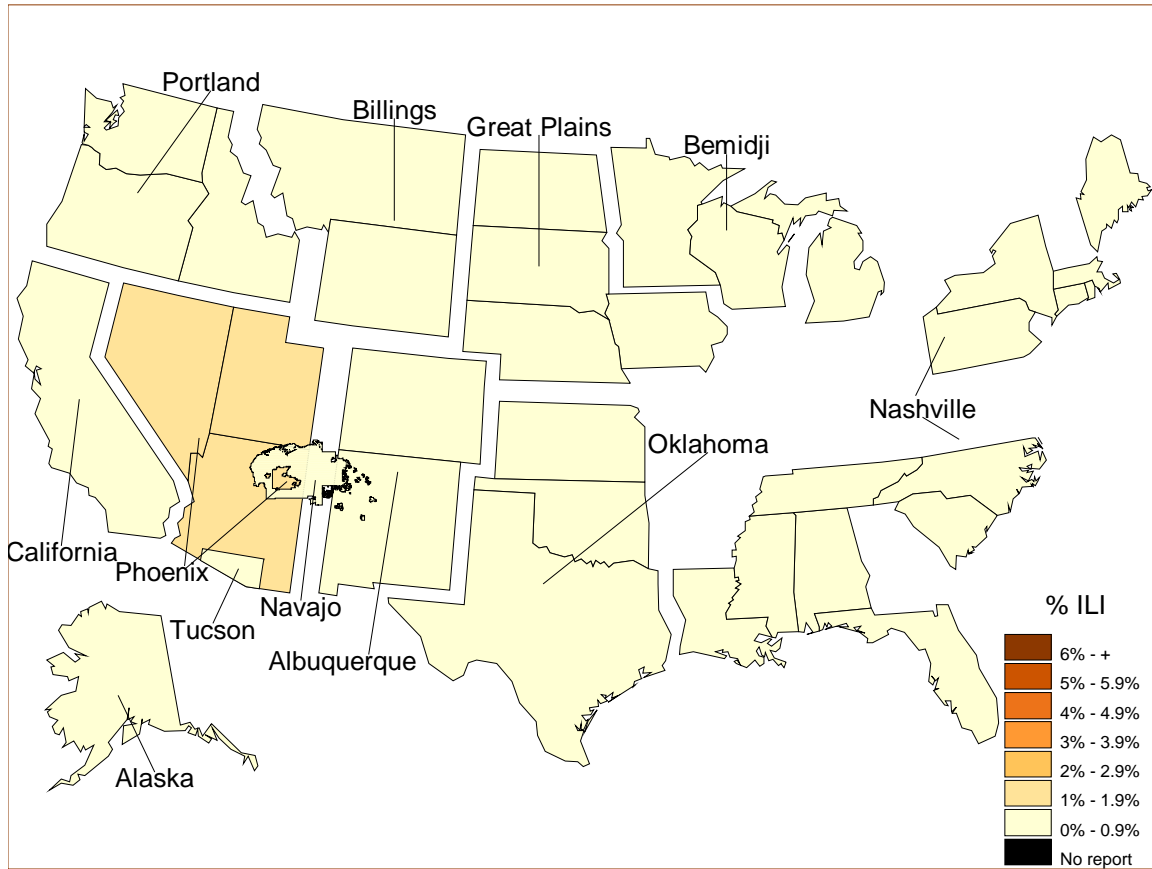
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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

Percentage of Influenza-Like Illness Visits by Region
For Week: 46



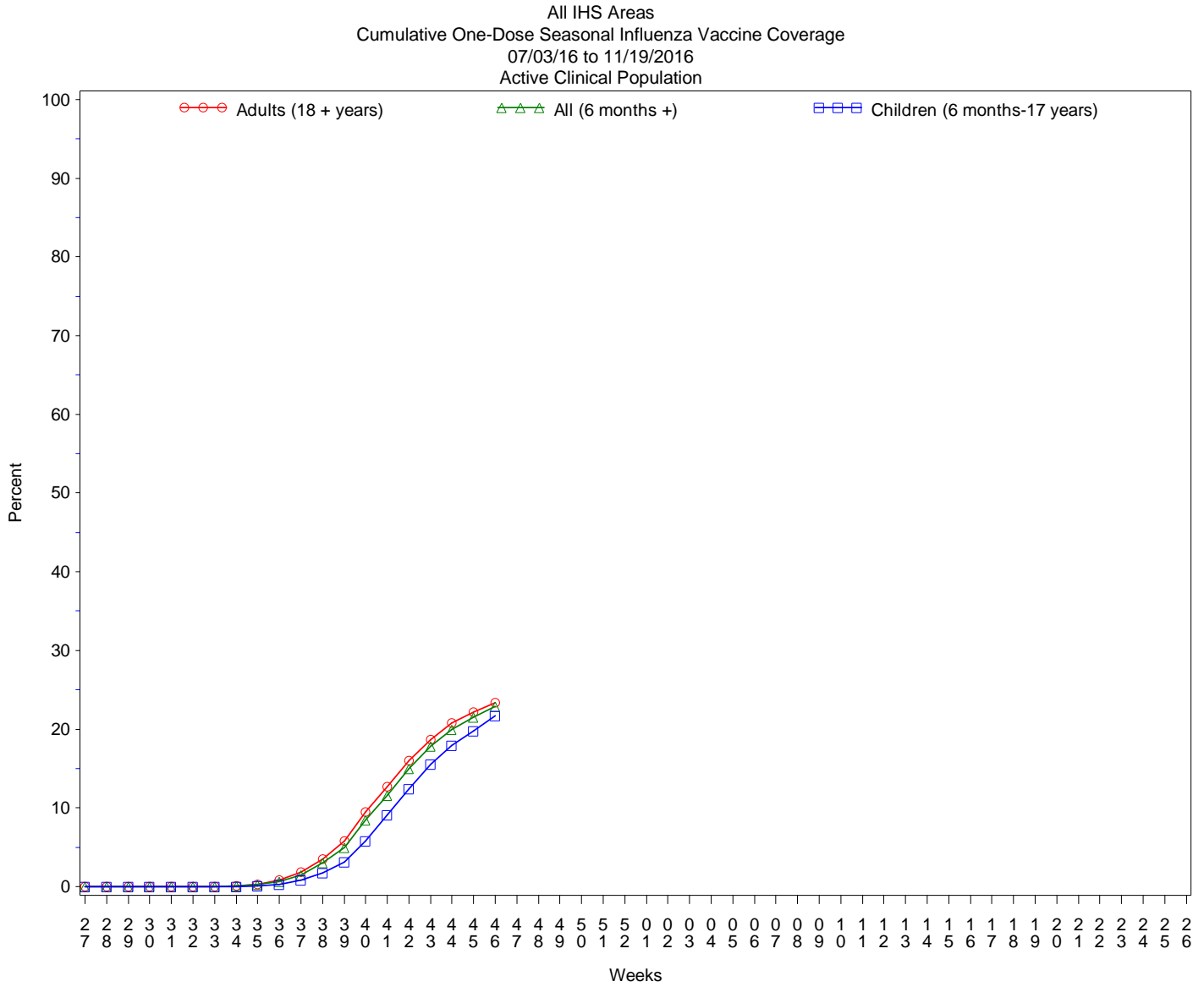
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 45	% in Week 46
NATIONAL	1.0	0.8
ALASKA	0.5	0.5
ALBUQUERQUE	1.0	0.5
BEMIDJI	0.8	0.5
BILLINGS	0.9	0.8
CALIFORNIA	0.5	0.4
GREAT PLAINS	1.3	0.9
NASHVILLE	1.5	0.9
NAVAJO	1.1	0.9
OKLAHOMA	0.5	0.6
PHOENIX	1.4	1.2
PORTLAND	0.6	0.6
TUCSON	0.7	0.6

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

IHS Influenza Vaccination Surveillance

- As of 11/19/2016, sites reporting to the IIAS have administered 217,359 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	4,457	22	0.5	0	0.0	23
6 - 23 months	21,228	6,284	29.6	415	2.0	6,775
2 - 4 years	51,989	9,073	17.5	84	0.2	9,291
5 - 17 years	195,308	42,964	22.0	244	0.1	43,843
18 - 49 years	398,873	70,939	17.8	264	0.1	72,077
50 - 64 years	167,355	49,127	29.4	211	0.1	49,944
65 + years	95,885	34,763	36.3	191	0.2	35,429
Children (6 months-17 years)	268,525	58,321	21.7	743	0.3	59,909
Adults (18 + years)	662,113	154,829	23.4	666	0.1	157,450
All (6 months +)	930,638	213,150	22.9	1,409	0.2	217,359

* 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-LAIV4	CVX 150 FLU-IIV4pf	CVX 153 FLU-ccIIV3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Proc 99.52 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Code s+	Cumulative # of Doses Seasonal Flu
AKA	1	63	0	284	3	395	1	0	3976	0	1	2243	223	18	0	0	27	7235
ALB	1	92	0	1138	361	7333	1	0	3349	0	5	1579	362	1	0	0	63	14285
BEM	214	67	0	312	7	1493	0	1	2880	3	4	3098	167	39	0	1	135	8421
BIL	5	174	0	785	9	1770	0	0	7747	0	0	1447	656	112	0	0	101	12806
CAO	5	105	0	1088	13	1943	1	7	6167	0	2	3413	856	55	0	1	108	13764
GPA	1	320	0	874	130	9695	0	0	9648	12	23	4436	660	8	0	0	139	25946
NSA	124	294	0	322	79	4530	190	0	3308	4	12	285	90	263	0	0	97	9598
NAV	9	156	1	1428	8	7539	6	0	9501	0	0	30835	1545	835	0	0	183	52046
OKC	197	802	0	1885	4	17845	3	1	5766	1	12	1328	734	394	0	0	173	29145
PHX	1	276	0	993	19	6623	9	0	14621	0	19	295	1258	1	0	0	194	24309
POR	7	186	0	598	956	6365	9	0	3687	25	17	2309	227	950	0	0	435	15771
TUC	0	27	0	17	15	4	0	0	4490	1	0	21	222	0	0	0	18	4815
HQ	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	565	2563	1	9724	1604	65535	220	9	75140	46	95	51289	7000	2676	0	2	1673	218142

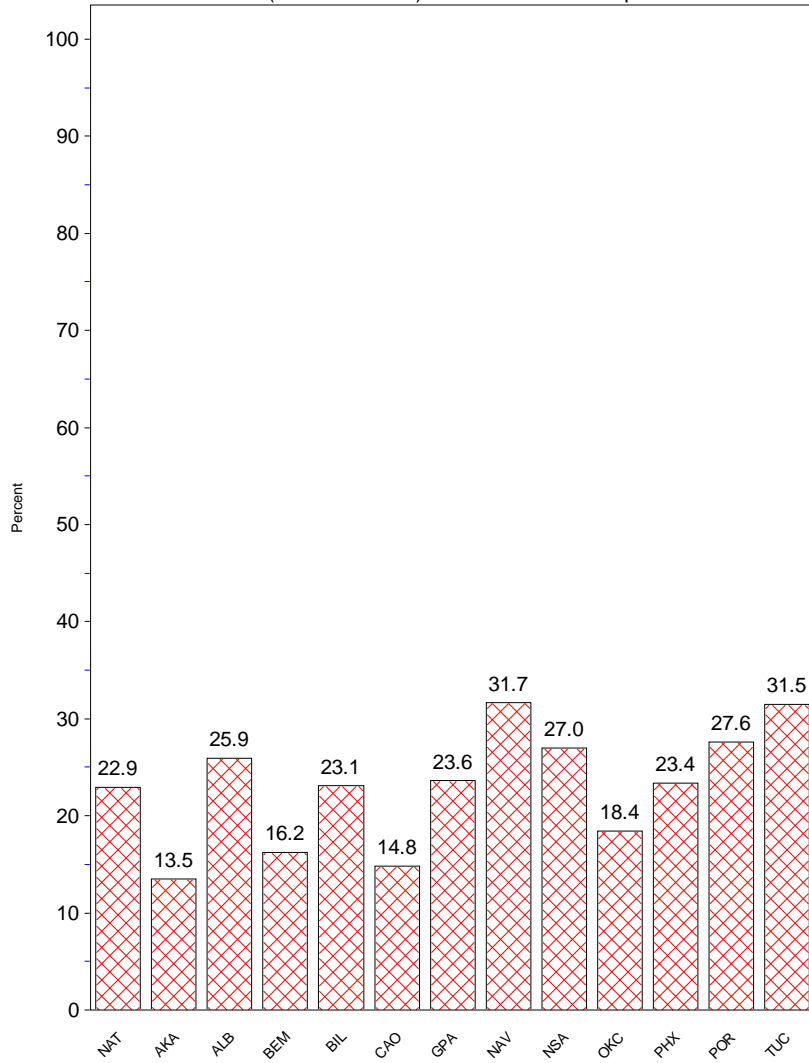
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 mons+)
07/03/16 to 11/19/2016
%Seasonal Flu (At least 1 dose) for Active Clinical Population



- 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	151	276
ALASKA	6	46
ALBUQUERQUE	12	17
BEMIDJI	5	9
BILLINGS	12	19
CALIFORNIA	22	37
GREAT PLAINS	19	38
NASHVILLE	18	23
NAVAJO	7	19
OKLAHOMA	13	15
PHOENIX	14	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, Alaska Village Clinic.