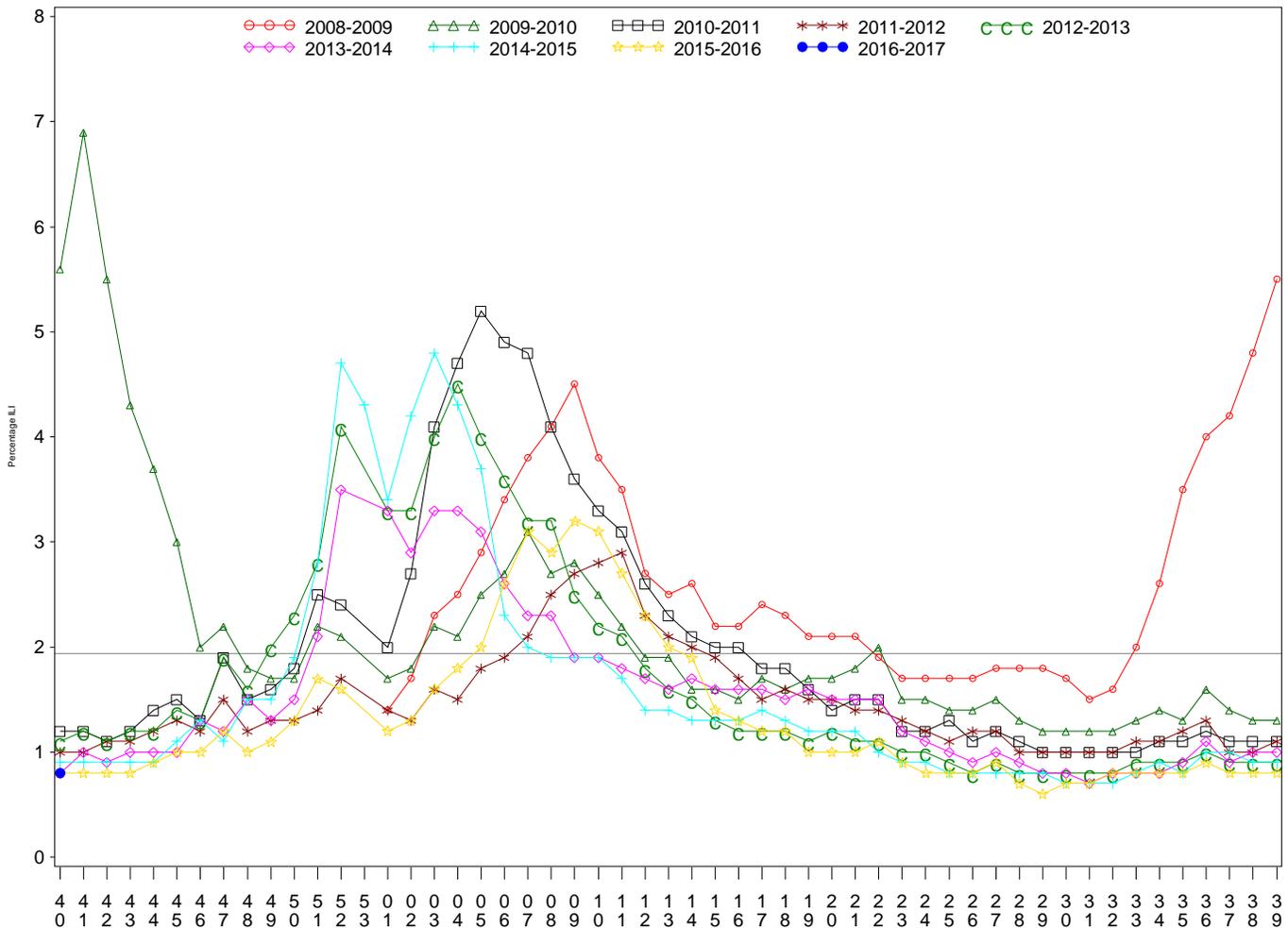




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 40: 10/02/2016 – 10/08/2016)

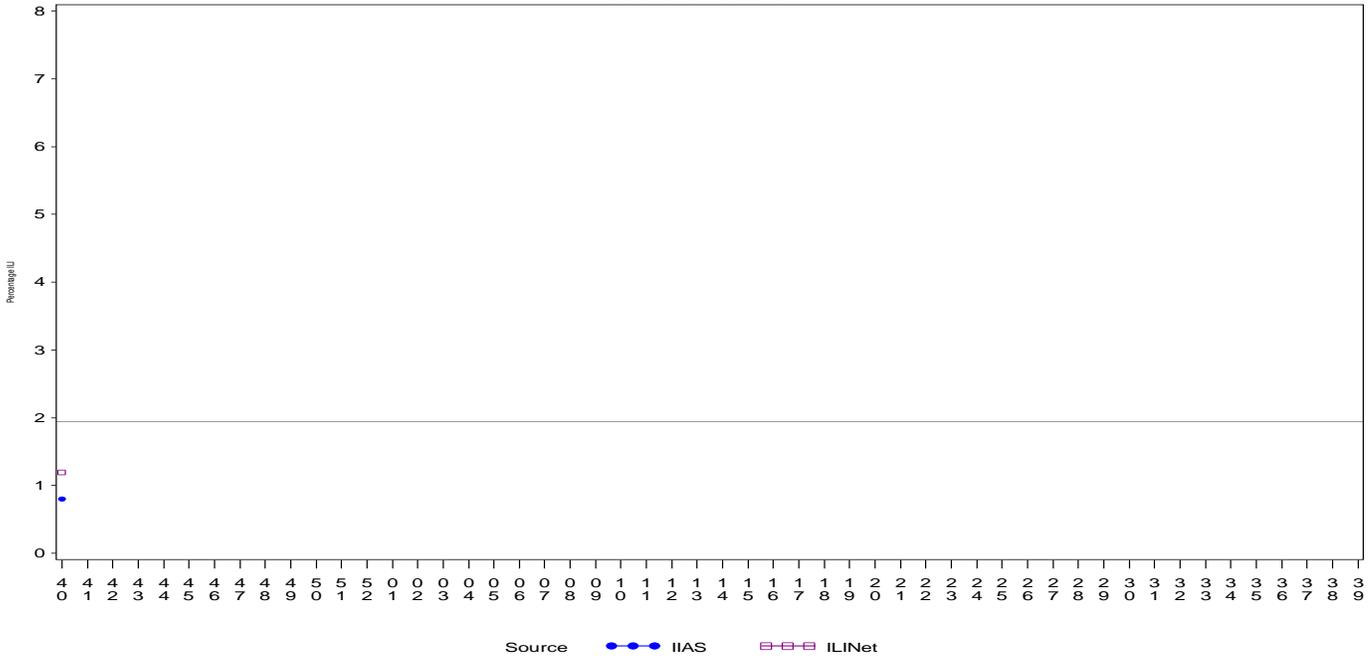
- Influenza-like-illness (ILI) activity in IHS is steady and below the national baseline.
- To date IHS has administered over 77,000 doses of influenza vaccine.
- Overall, 8% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 10/08/16



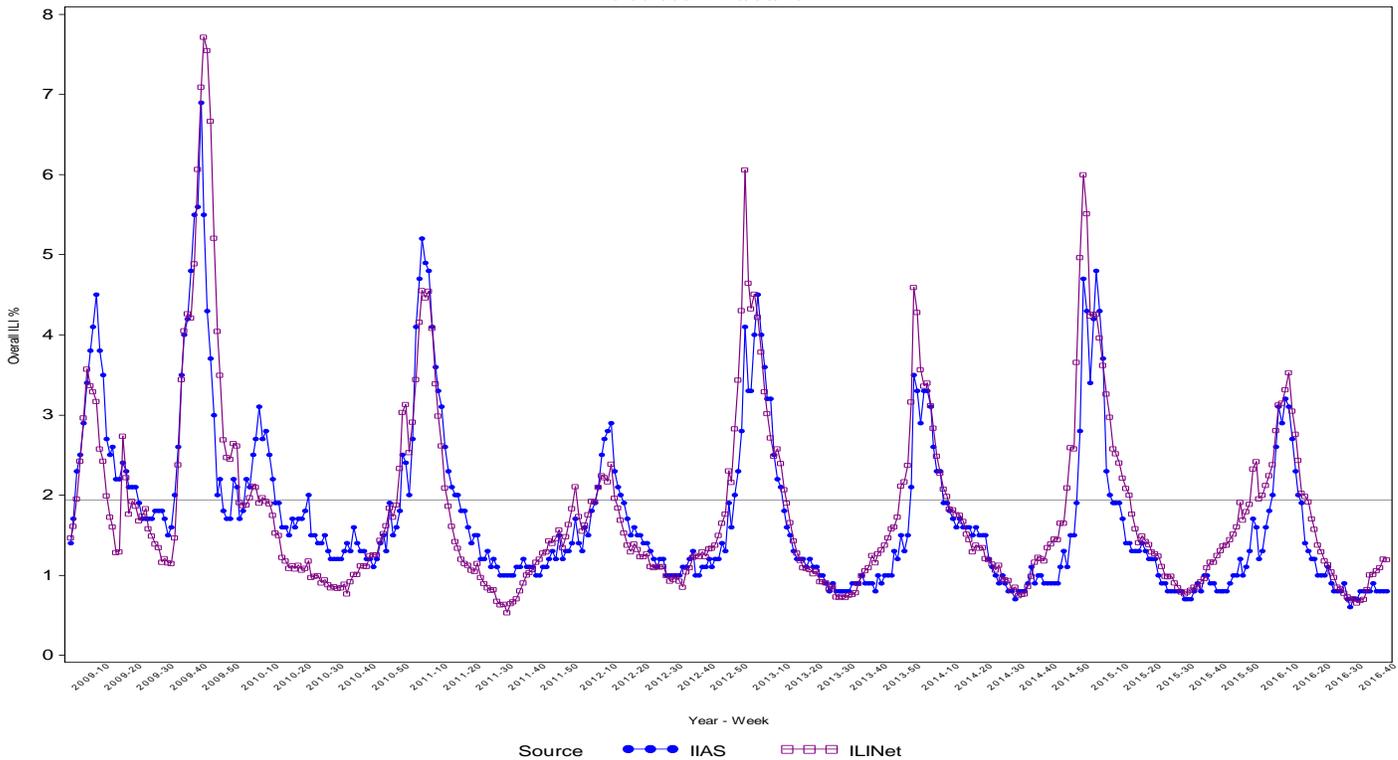
Percentage of ILI visits is number of ILI visits divided by total number of daily visits
 The horizontal line represents the 2015-2016 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Proportion of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 10/08/16



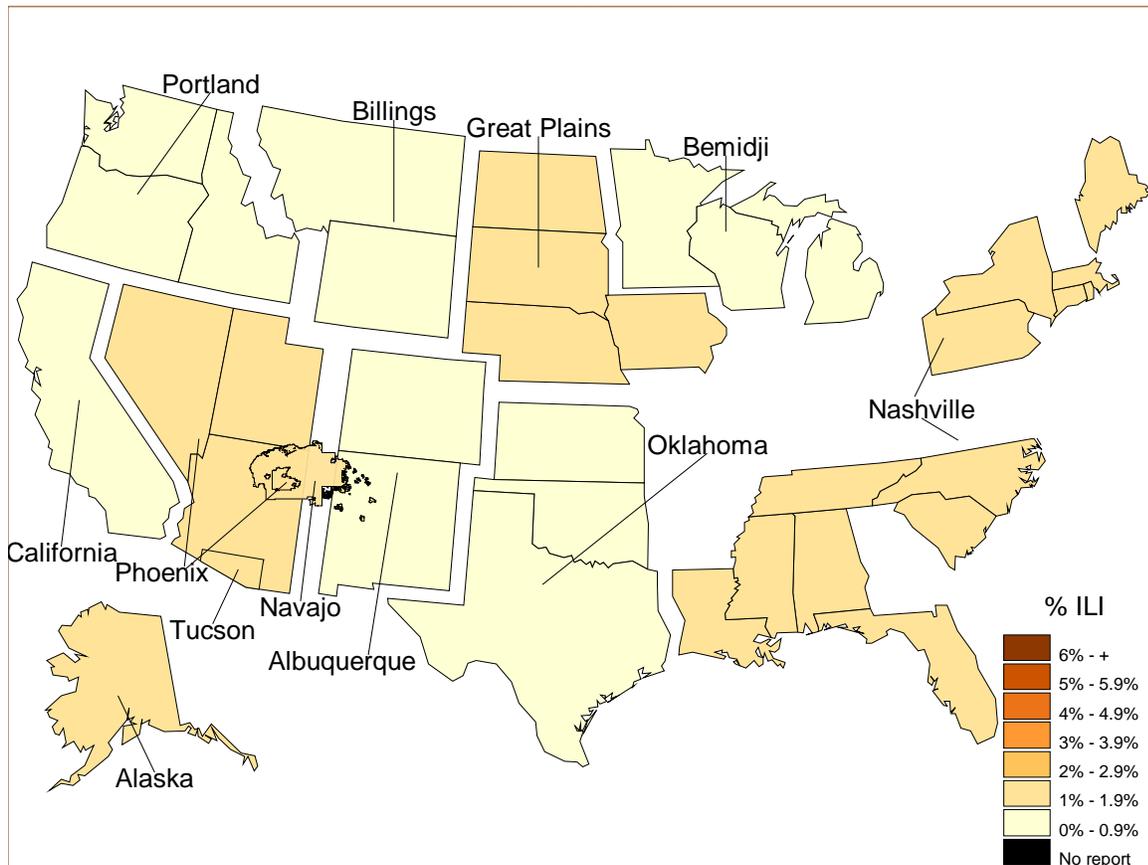
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2015-2016 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.
 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 10/08/16



Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 Sources: ILINet - CDC Sentinal Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by IHS Area
For Week: 40



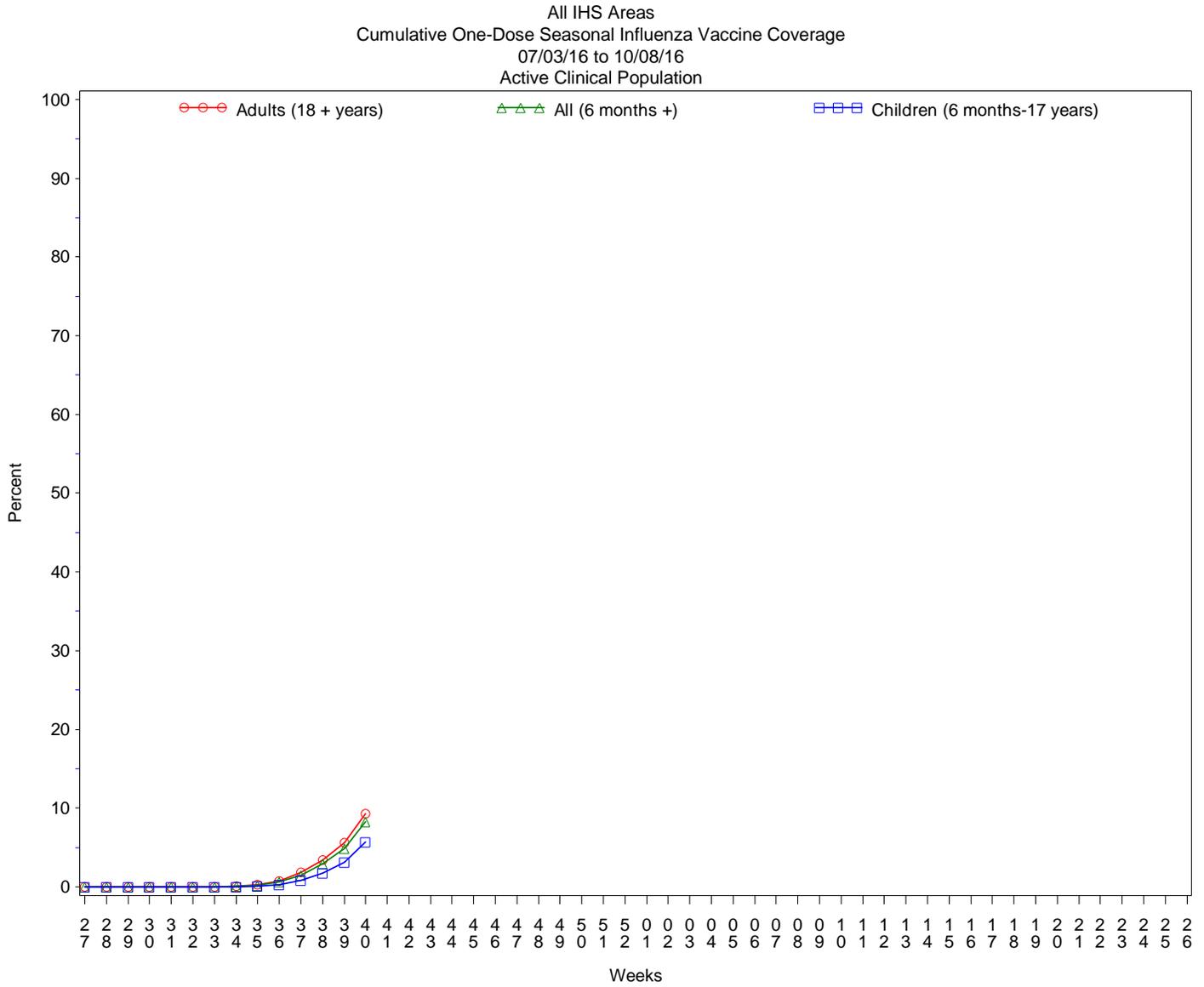
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 39	% in Week 40
NATIONAL	0.8	0.8
ALASKA	0.9	1.0
ALBUQUERQUE	0.6	0.4
BEMIDJI	0.5	0.3
BILLINGS	0.9	0.8
CALIFORNIA	0.5	0.2
GREAT PLAINS	0.9	1.1
NASHVILLE	1.1	1.1
NAVAJO	1.1	1.0
OKLAHOMA	0.6	0.4
PHOENIX	1.0	1.1
PORTLAND	0.4	0.4
TUCSON	0.8	1.2

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

IHS Influenza Vaccination Surveillance

- As of 10/08/2016 sites reporting to the IIAS have administered 77,524 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	4,353	7	0.2	0	0.0	8
6 - 23 months	21,029	2,008	9.5	4	0.0	2,018
2 - 4 years	52,039	2,741	5.3	8	0.0	2,766
5 - 17 years	195,205	10,648	5.5	15	0.0	10,712
18 - 49 years	399,515	27,795	7.0	65	0.0	27,984
50 - 64 years	167,086	19,730	11.8	54	0.0	19,898
65 + years	95,703	13,970	14.6	60	0.1	14,146
Children (6 months-17 years)	268,273	15,397	5.7	27	0.0	15,496
Adults (18 + years)	662,304	61,495	9.3	179	0.0	62,028
All (6 months +)	930,577	76,892	8.3	206	0.0	77,524

* 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 Vaccination Doses Administered by Influenza Vaccination 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	CV X 166	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	1	24	0	12	0	30	1	0	604	0	0	55	8	12	0	0	6	753
ALB	0	25	0	518	89	2345	0	0	963	0	2	536	92	1	0	0	21	4592
BEM	54	29	0	107	7	482	0	1	1361	2	4	1632	77	18	0	1	34	3809
BIL	0	46	0	347	6	1034	0	0	3223	0	0	896	235	32	0	0	42	5861
CAO	1	54	0	430	5	761	1	7	2801	0	1	1753	225	23	0	0	47	6109
GPA	0	81	0	453	25	4511	0	0	4785	12	12	1750	265	3	0	0	74	11971
UNK	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NSA	7	167	0	156	5	2306	77	0	630	3	3	169	27	149	0	0	47	3746
NAV	4	47	1	304	2	2901	1	0	1855	0	0	8178	435	238	0	0	77	14043
OKC	39	341	0	788	2	7508	3	0	1837	0	2	359	245	179	0	0	37	11340
PHX	0	110	0	348	9	1878	9	0	5259	0	13	60	349	1	0	0	57	8093
POR	3	83	0	294	346	3263	3	0	1646	11	3	682	78	252	0	0	109	6773
TUC	0	18	0	11	8	1	0	0	692	1	0	6	10	0	0	0	3	750
	109	1026	1	3768	504	27020	95	8	25656	29	40	16076	2046	908	0	1	554	77841

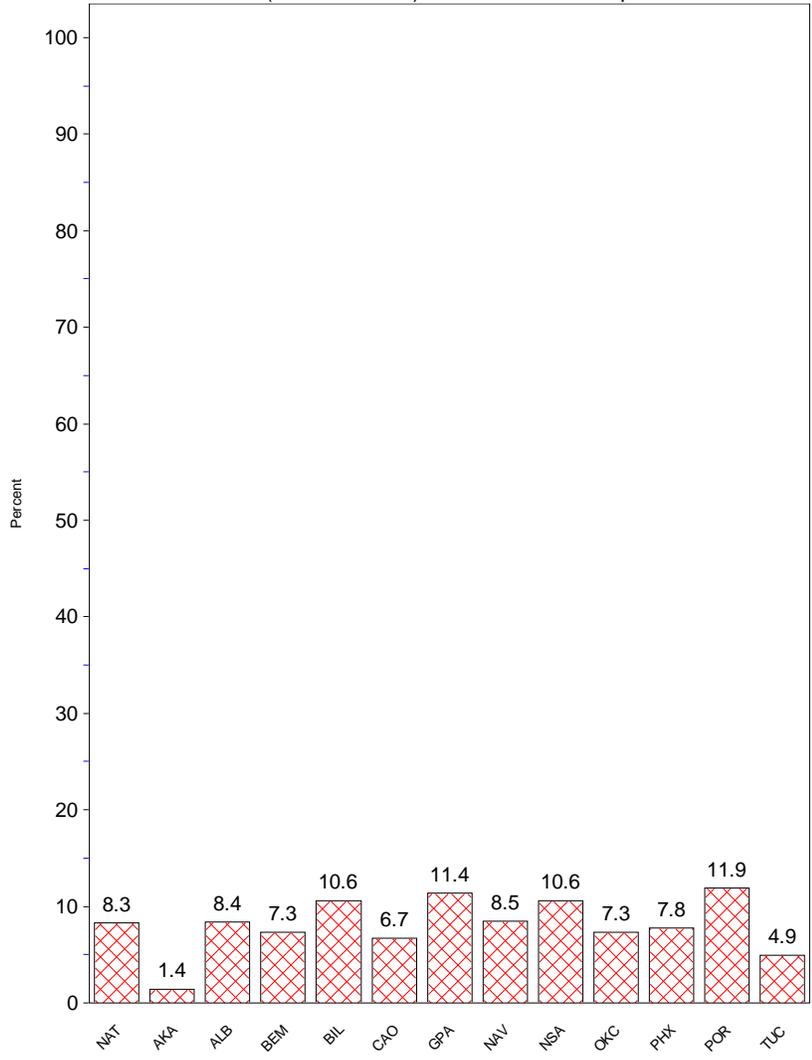
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 10/08/2016
%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	172	334
ALASKA	8	67
ALBUQUERQUE	12	17
BEMIDJI	14	27
BILLINGS	12	18
CALIFORNIA	24	40
GREAT PLAINS	19	36
NASHVILLE	18	22
NAVAJO	7	19
OKLAHOMA	19	29
PHOENIX	15	27
PORTLAND	23	28
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.