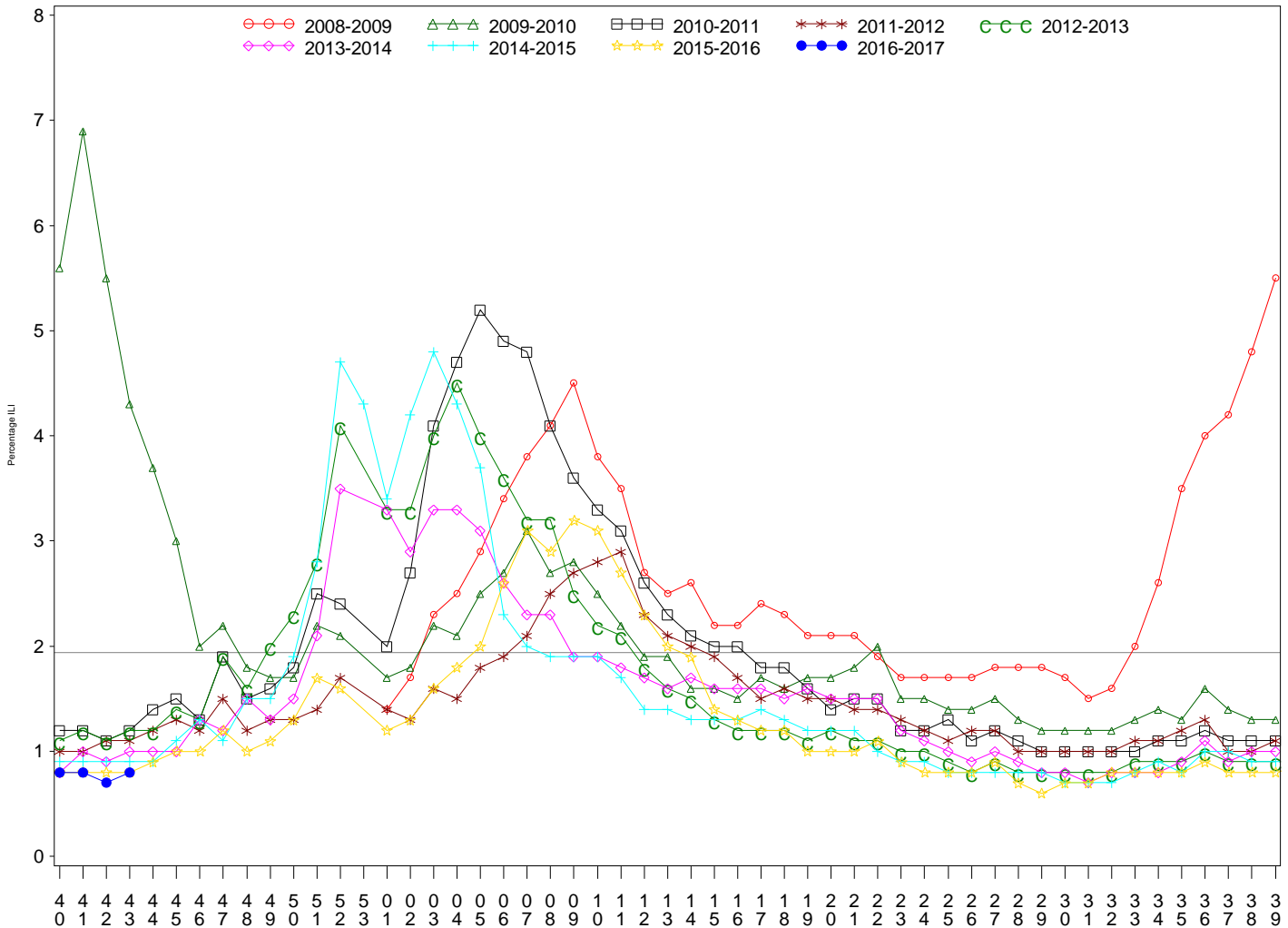




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 43: 10/23/2016-10/29/2016)

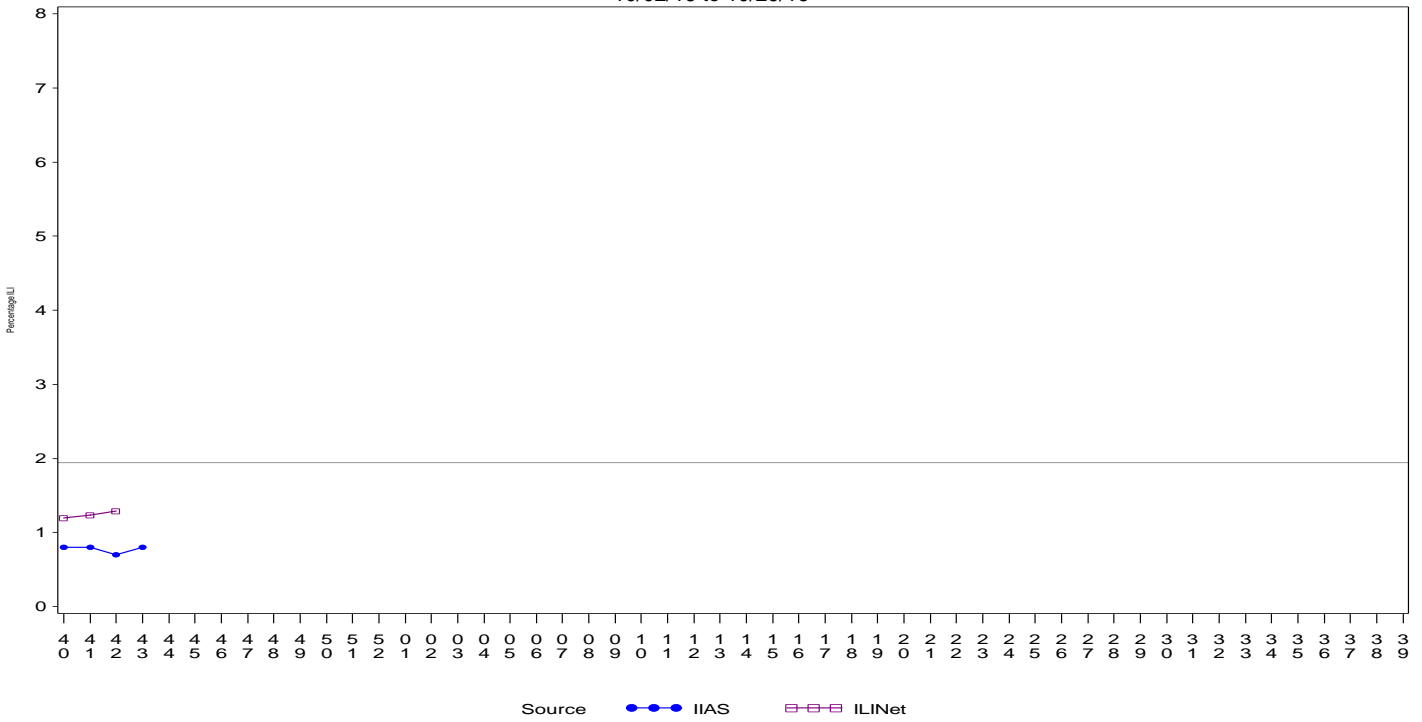
- Influenza-like-illness activity is low across all IHS Regions
- To date IHS has administered over 160,000 doses of influenza vaccine.
- Overall, 17% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 10/29/2016



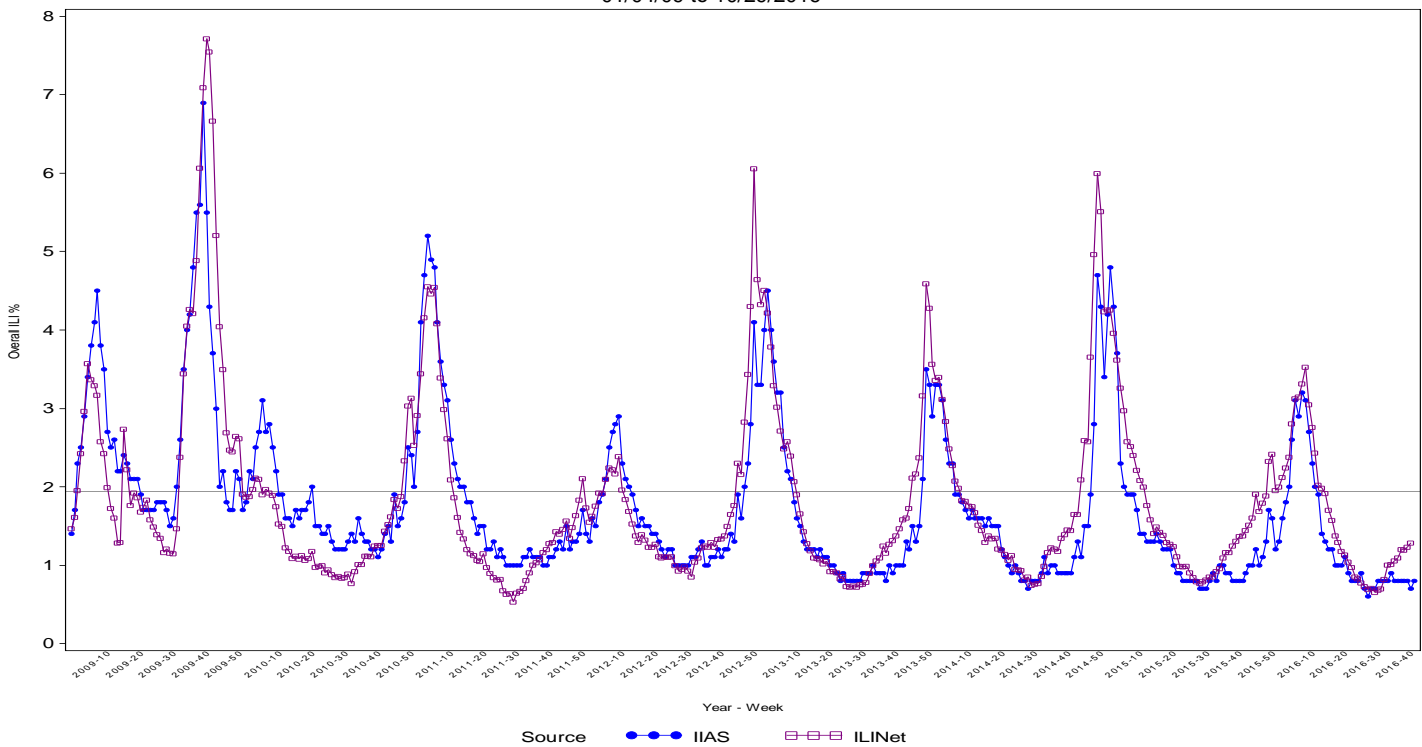
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.
 The horizontal line represents the 2015-2016 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Proportion of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs ILINet
 10/02/16 to 10/29/16



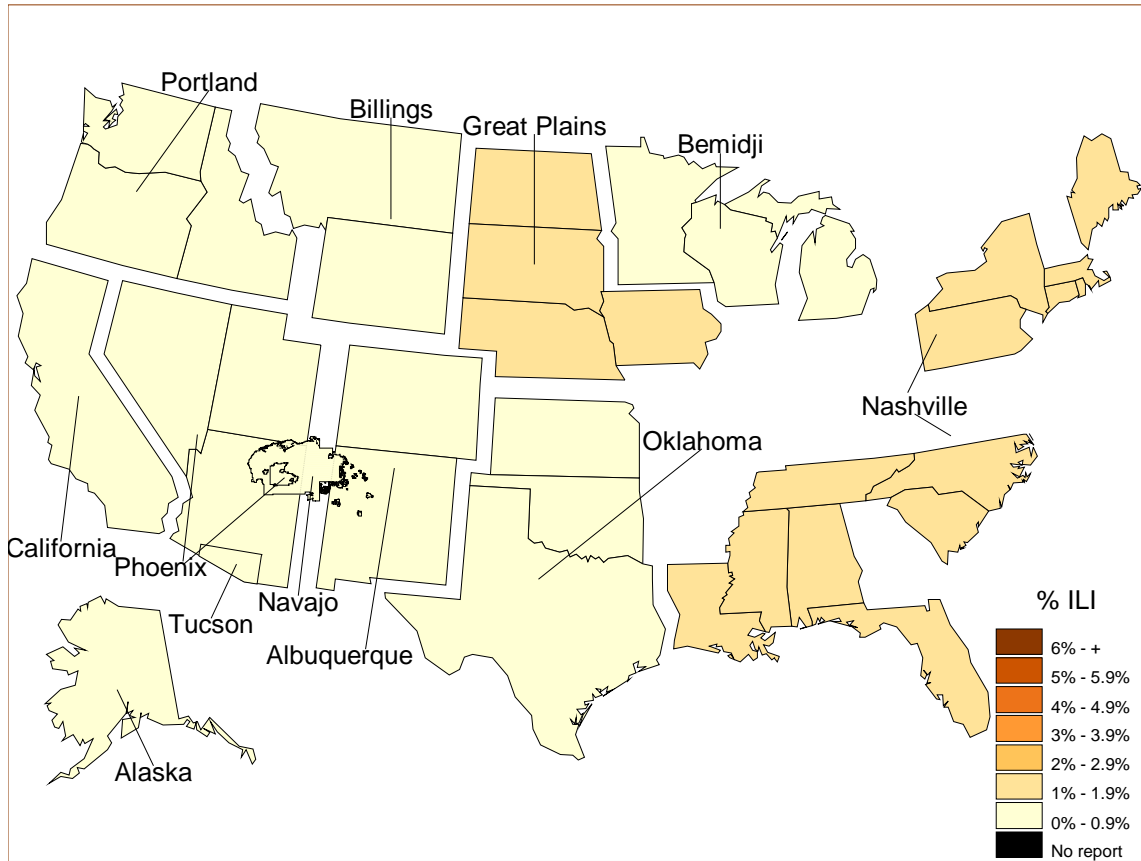
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2015-2016 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard 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 10/29/2016



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: 43



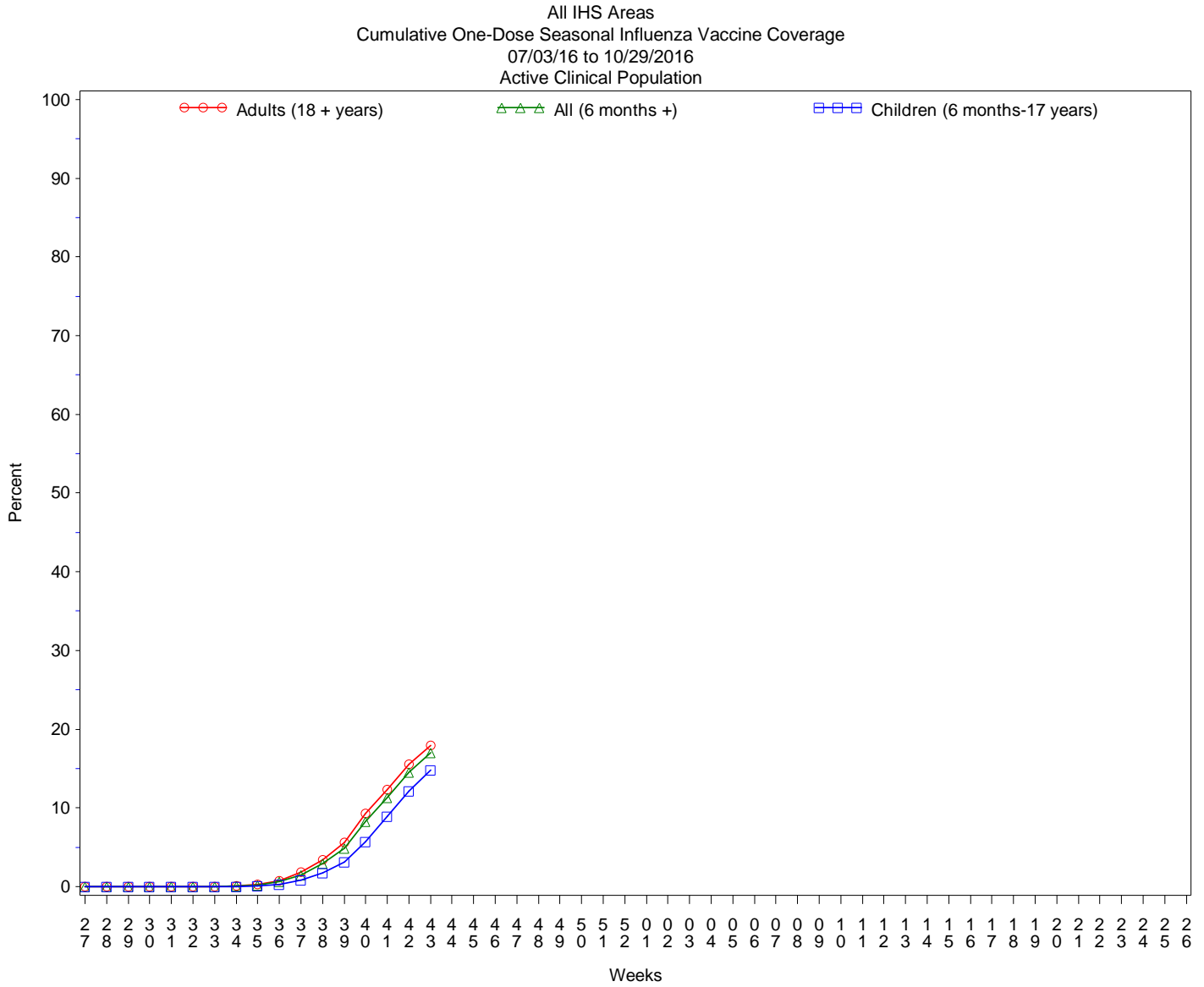
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 42	% in Week 43
NATIONAL	0.7	0.8
ALASKA	0.6	0.6
ALBUQUERQUE	0.5	0.3
BEMIDJI	0.5	0.8
BILLINGS	0.6	0.7
CALIFORNIA	0.4	0.7
GREAT PLAINS	1.0	1.1
NASHVILLE	1.3	1.4
NAVAJO	0.9	0.7
OKLAHOMA	0.5	0.4
PHOENIX	1.0	0.9
PORTLAND	0.5	0.5
TUCSON	0.5	0.7

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

IHS Influenza Vaccination Surveillance

- As of 10/29/2016, sites reporting to the IIAS have administered 160,154 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	4,353	15	0.3	0	0.0	16
6 - 23 months	21,029	4,383	20.8	117	0.6	4,523
2 - 4 years	52,051	6,451	12.4	26	0.0	6,526
5 - 17 years	195,245	28,863	14.8	96	0.0	29,163
18 - 49 years	399,777	53,515	13.4	169	0.0	54,133
50 - 64 years	167,223	37,712	22.6	145	0.1	38,164
65 + years	95,758	27,259	28.5	119	0.1	27,645
Children (6 months-17 years)	268,325	39,697	14.8	239	0.1	40,212
Adults (18 + years)	662,758	118,486	17.9	433	0.1	119,942
All (6 months +)	931,083	158,183	17.0	672	0.1	160,154

* 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 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	CVX 166	Proc 99.5 2 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	1	36	0	140	2	119	1	0	2583	0	0	1229	110	18	0	0	20	4259
ALB	0	47	0	940	242	4970	0	0	2080	0	3	937	208	1	0	0	47	9475
BEM	118	50	0	231	7	1113	0	1	2259	3	4	2924	129	35	0	1	103	6978
BIL	5	122	0	650	9	1424	0	0	6077	0	0	1252	394	72	0	0	79	10084
CAO	1	69	0	817	5	1281	1	7	4716	0	1	2624	554	41	0	1	76	10194
GPA	0	111	0	689	50	7485	0	0	7554	12	17	3468	467	6	0	0	116	19975
UNK	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NSA	63	275	0	273	37	3772	162	0	2015	4	7	234	55	197	0	0	80	7174
NAV	4	77	1	970	5	5572	2	0	6645	0	0	22078	1028	562	0	0	120	37064
OKC	136	512	0	1526	2	14488	3	0	4479	1	9	1114	501	277	0	0	154	23202
PHX	1	166	0	736	11	4541	9	0	10532	0	15	189	805	1	0	0	130	17136
POR	5	118	0	505	746	5249	6	0	2843	23	8	1618	164	763	0	0	265	12313
TUC	0	18	0	12	10	3	0	0	2668	1	0	8	125	0	0	0	13	2858
	334	1602	1	7489	1126	50017	184	8	54451	44	64	37675	4540	1973	0	2	1203	160713

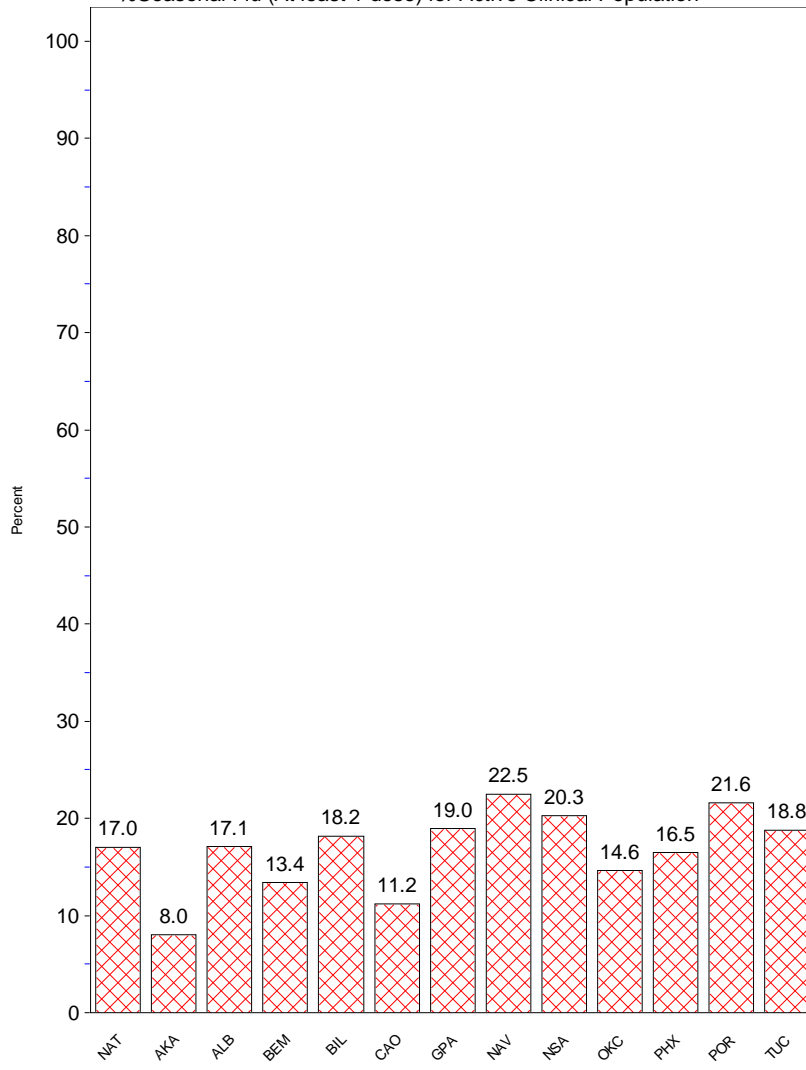
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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+)
07/03/2016-10/29/2016
%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	163	297
ALASKA	7	49
ALBUQUERQUE	12	16
BEMIDJI	8	13
BILLINGS	12	19
CALIFORNIA	22	37
GREAT PLAINS	19	38
NASHVILLE	18	22
NAVAJO	7	20
OKLAHOMA	19	27
PHOENIX	15	25
PORTLAND	23	27
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.