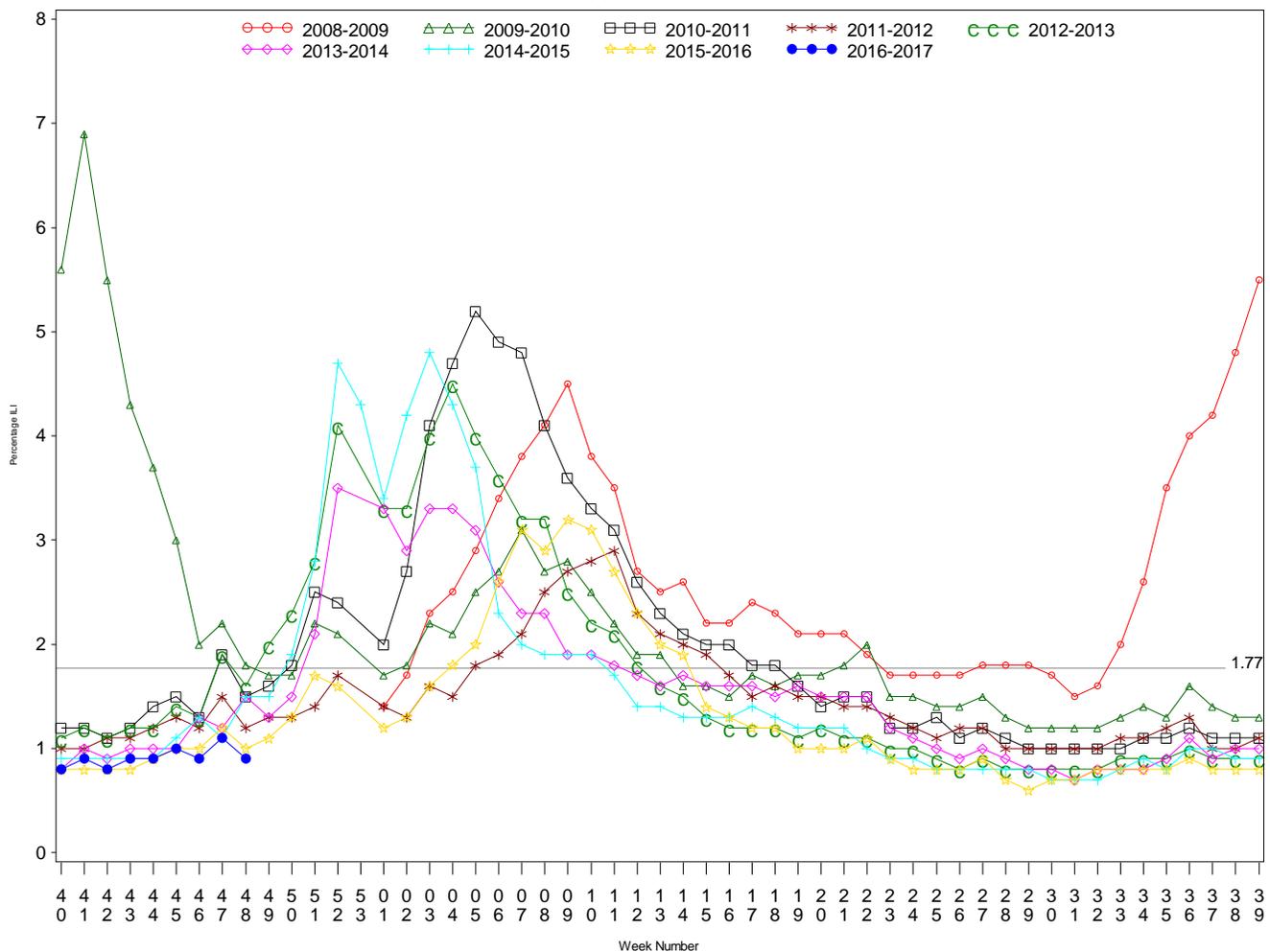




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 48: 11/27/2016 – 12/03/2016)

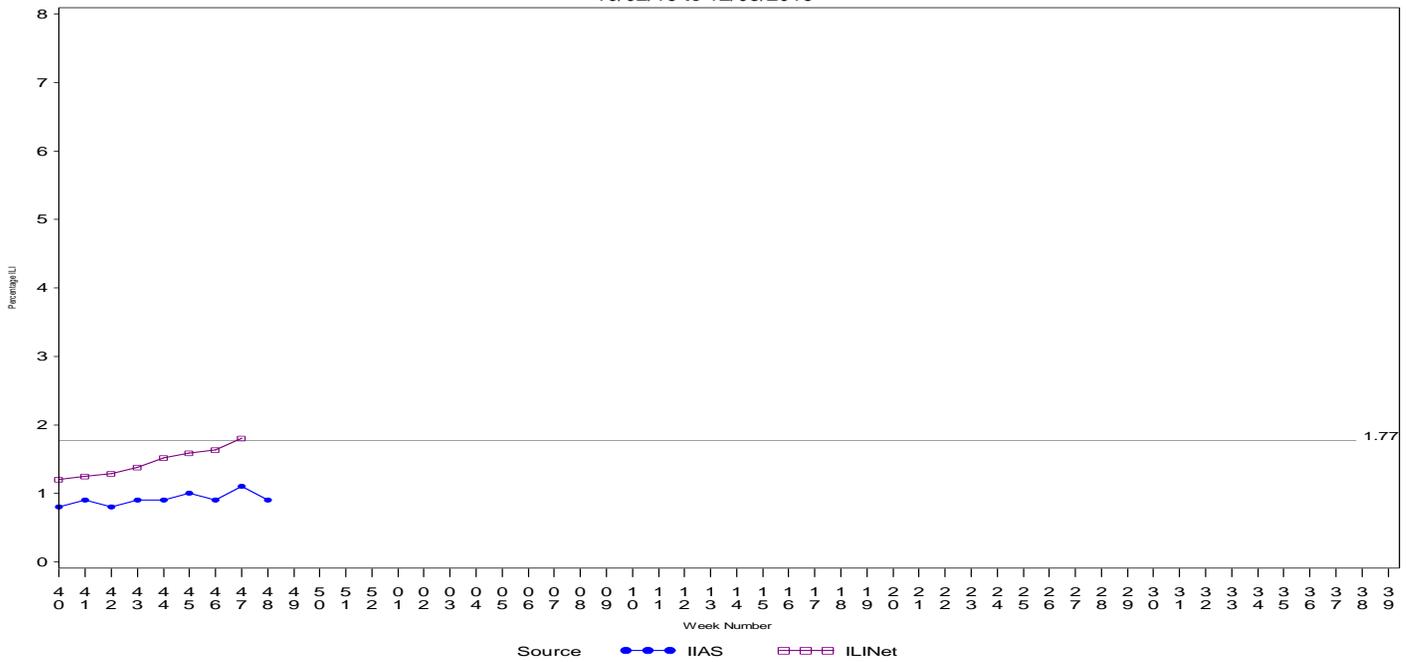
- Influenza-like-illness activity is low across all IHS Regions
 - IHS ILI activity remains below the IHS threshold of 1.7%.
 - ILINet activity from CDC also remains below the ILINet baseline of 2.2%, though it has crossed the IHS threshold of 1.7%.
- To date IHS has administered over 242,000 doses of influenza vaccine.
- Overall, 26% 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 12/03/2016



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
 IIAS vs. ILINet
 10/02/16 to 12/03/2016



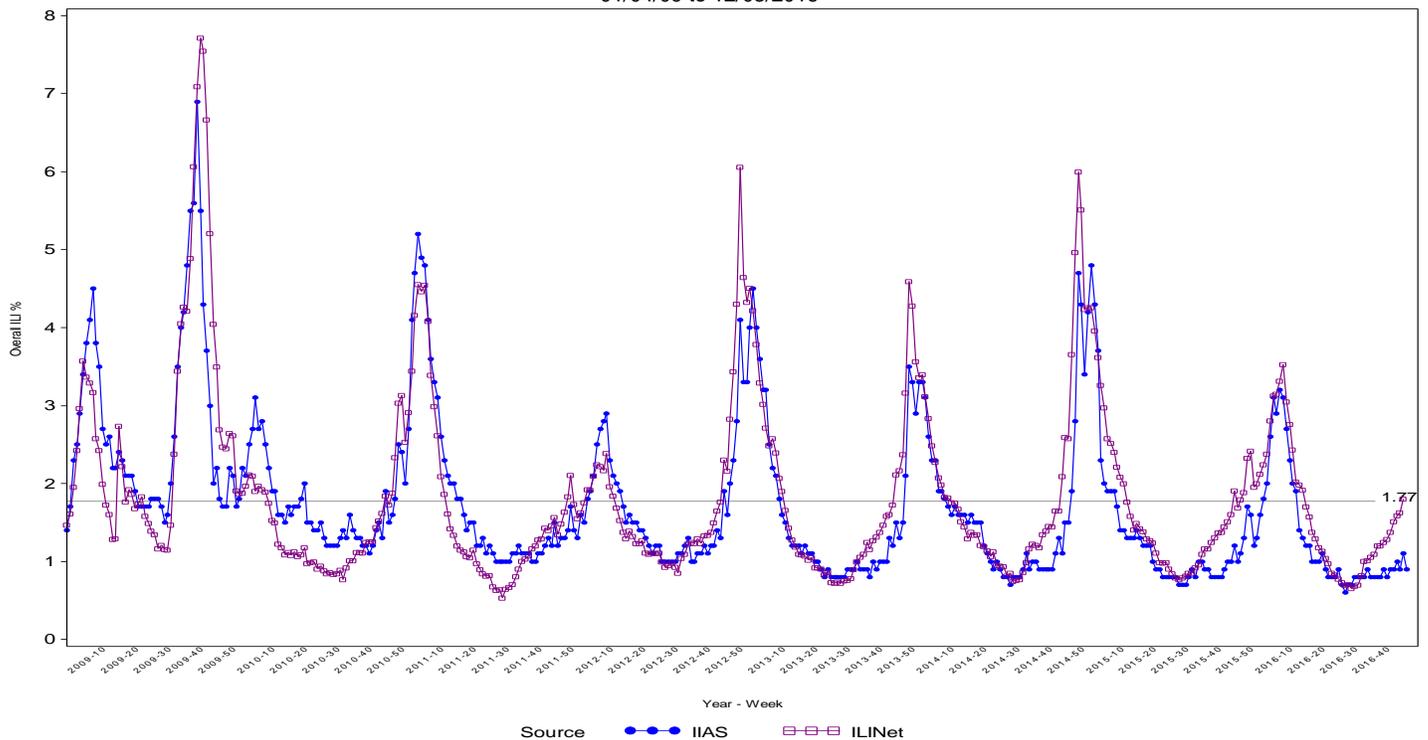
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 12/03/2016



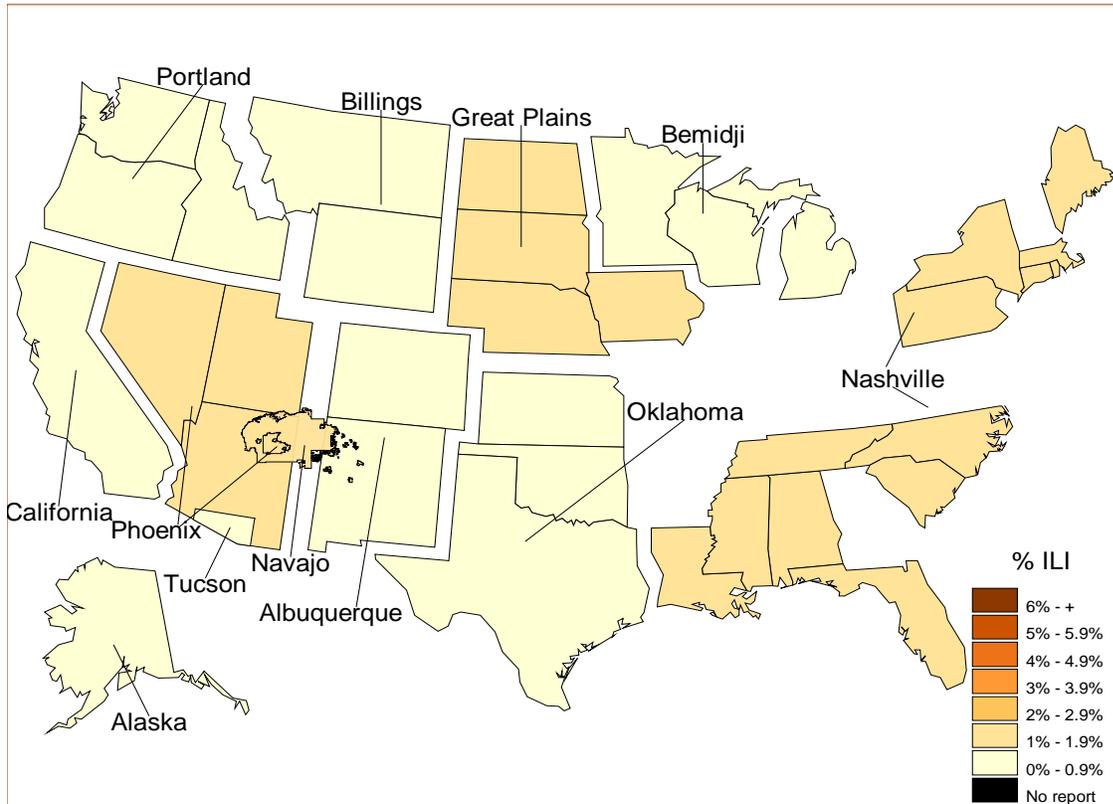
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The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.

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: 48



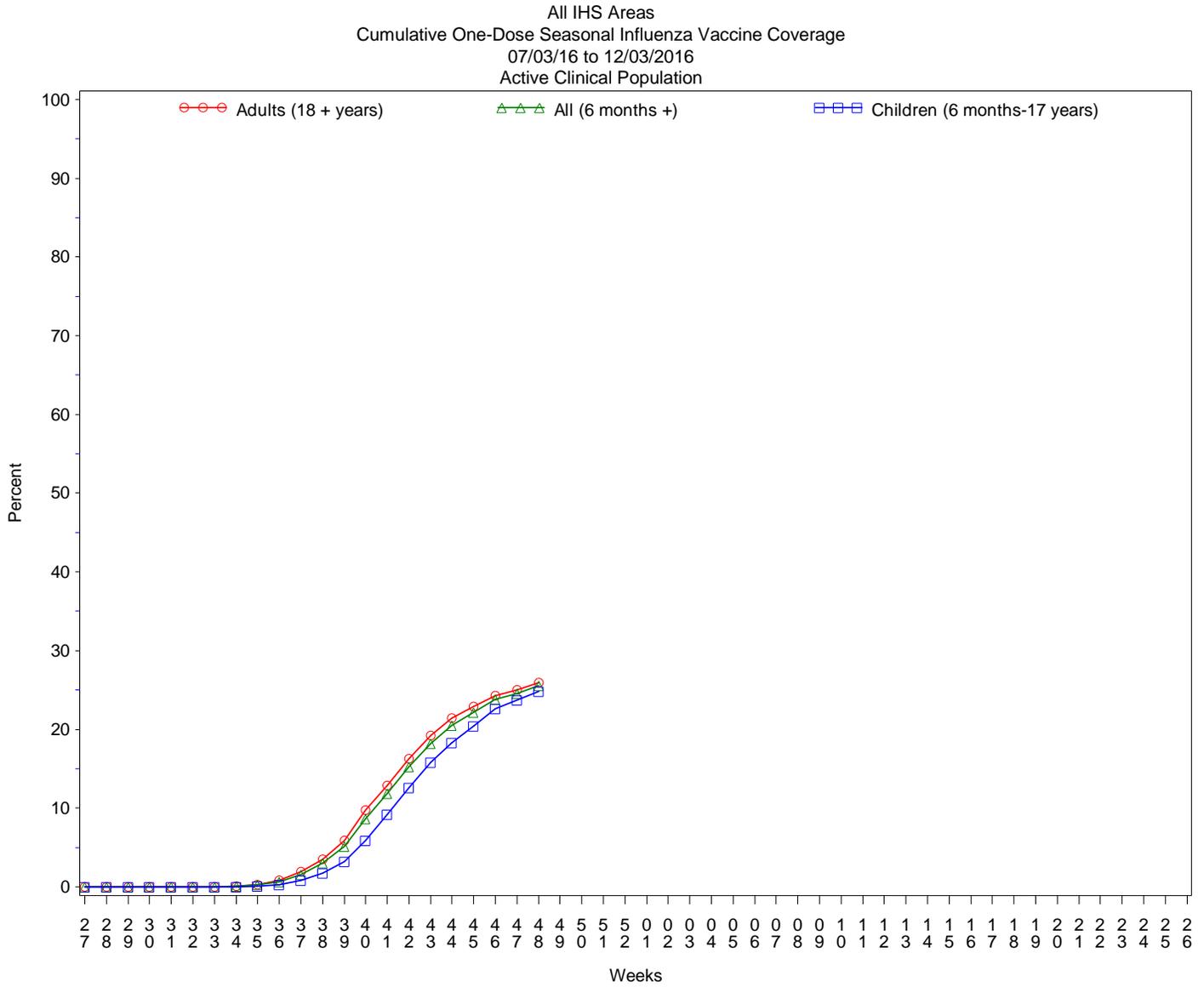
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 47	% in Week 48
NATIONAL	1.1	0.9
ALASKA	0.7	0.5
ALBUQUERQUE	0.7	0.7
BEMIDJI	1.2	0.5
BILLINGS	0.7	0.7
CALIFORNIA	0.6	0.4
GREAT PLAINS	1.2	1.3
NASHVILLE	1.4	1.5
NAVAJO	1.3	1.1
OKLAHOMA	0.6	0.5
PHOENIX	2.1	1.4
PORTLAND	0.5	0.6
TUCSON	1.0	0.6

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

IHS Influenza Vaccination Surveillance

- As of 12/03/2016, sites reporting to the IIAS have administered 242,761 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	4,478	26	0.6	0	0.0	27
6 - 23 months	21,230	7,490	35.3	779	3.7	8,308
2 - 4 years	52,089	10,476	20.1	136	0.3	10,689
5 - 17 years	195,968	48,808	24.9	288	0.1	49,403
18 - 49 years	399,969	79,640	19.9	323	0.1	80,552
50 - 64 years	167,828	54,278	32.3	270	0.2	54,963
65 + years	96,253	38,255	39.7	226	0.2	38,846
Children (6 months-17 years)	269,287	66,774	24.8	1,203	0.4	68,400
Adults (18 + years)	664,050	172,173	25.9	819	0.1	174,361
All (6 months +)	933,337	238,947	25.6	2,022	0.2	242,761

* 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-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 Codes+	Cumulative # of Doses Seasonal Flu
AKA	2	81	0	347	34	523	1	0	4866	0	2	2842	310	18	0	0	44	9070
ALB	1	115	0	1197	416	8150	1	0	3813	0	6	1731	445	1	0	0	72	15948
BEM	239	72	0	342	9	1699	0	1	3088	4	4	3183	182	40	0	1	149	9013
BIL	5	193	0	830	9	1939	0	0	8558	0	0	1531	740	122	0	0	106	14033
CAO	5	132	0	1190	16	2146	1	7	6810	0	2	3848	1021	60	0	1	101	15340
GPA	1	351	0	949	133	10539	0	0	10382	12	24	4744	768	9	0	0	112	28024
NSA	165	319	0	334	95	4794	206	0	3459	4	14	322	104	282	0	0	99	10197
NAV	12	205	1	1555	8	8383	7	0	10466	0	0	34207	1924	914	0	0	164	57846
OKC	219	1262	0	1974	5	21117	4	1	6713	1	13	1670	809	401	0	0	174	34363
PHX	1	341	0	1058	21	7275	9	0	16006	0	20	326	1487	1	0	0	204	26749
POR	7	235	0	643	1038	6904	9	1	4097	27	18	2628	266	1020	0	0	706	17599
TUC	0	38	0	23	17	4	0	0	5042	1	0	29	271	0	0	0	30	5455
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	657	3346	1	10442	1801	73473	238	10	83300	49	103	57061	8327	2868	0	2	1961	243639

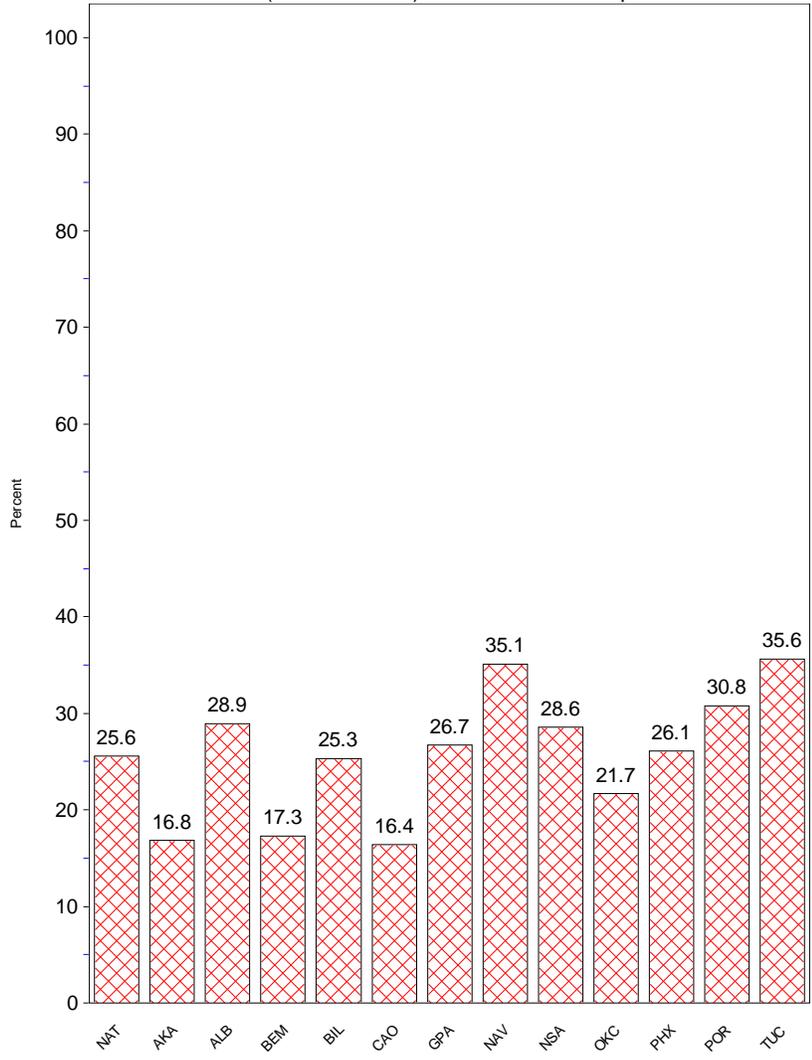
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 12/03/2016
%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	145	286
ALASKA	8	68
ALBUQUERQUE	12	17
BEMIDJI	5	9
BILLINGS	12	19
CALIFORNIA	22	37
GREAT PLAINS	18	33
NASHVILLE	18	23
NAVAJO	7	18
OKLAHOMA	6	8
PHOENIX	14	24
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.