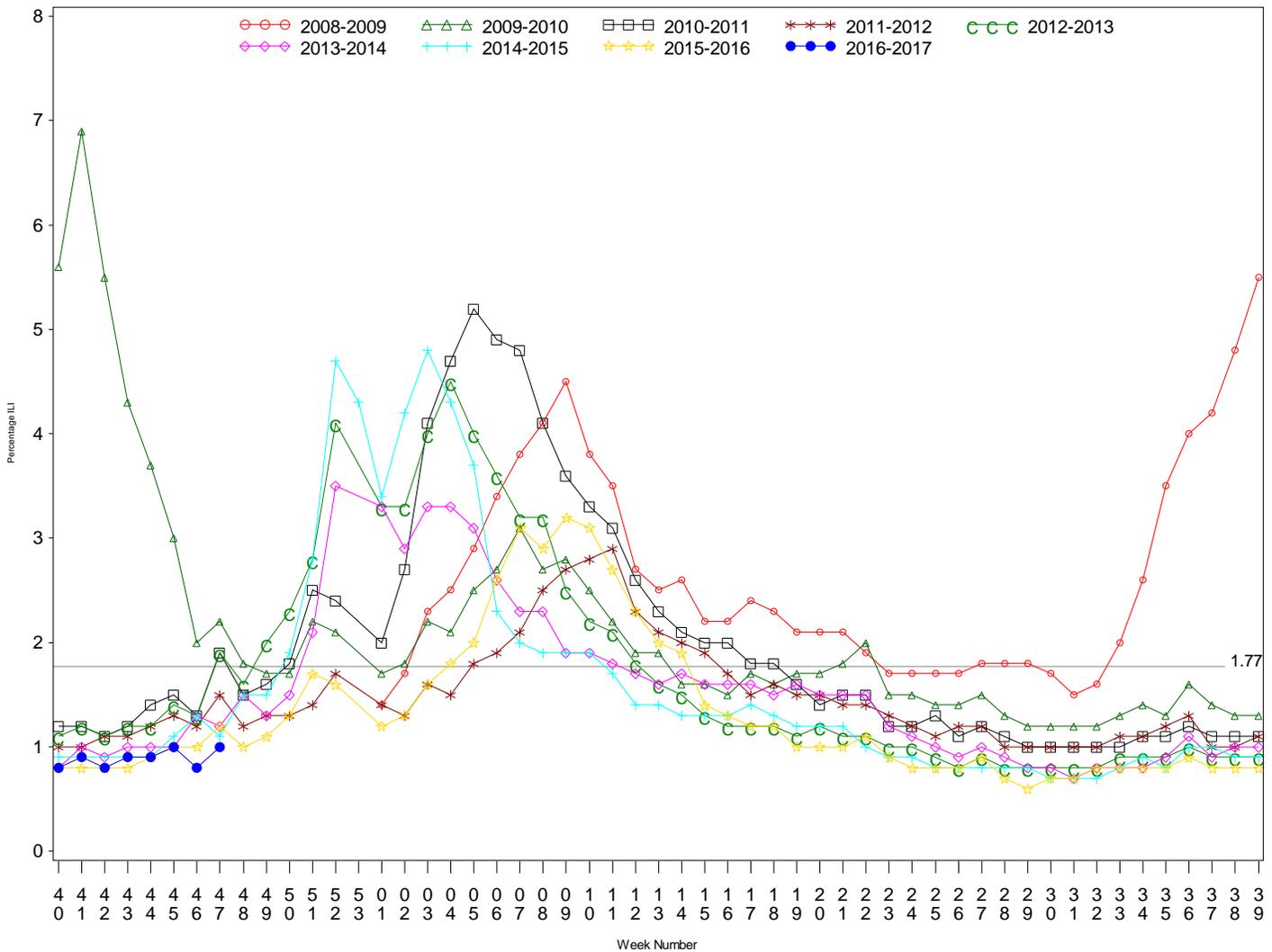




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 47: 11/20/2016 – 11/26/2016)

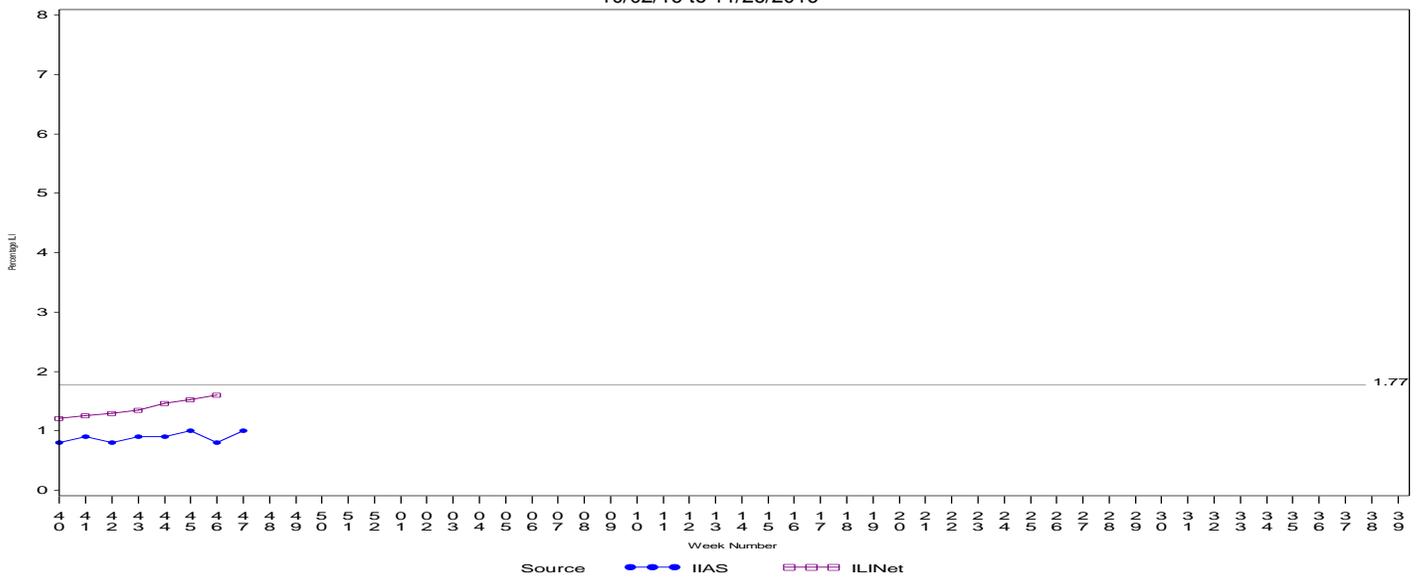
- Influenza-like-illness activity is low across all IHS Regions
- To date IHS has administered over 230,000 doses of influenza vaccine.
- Overall, 24% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 11/26/2016



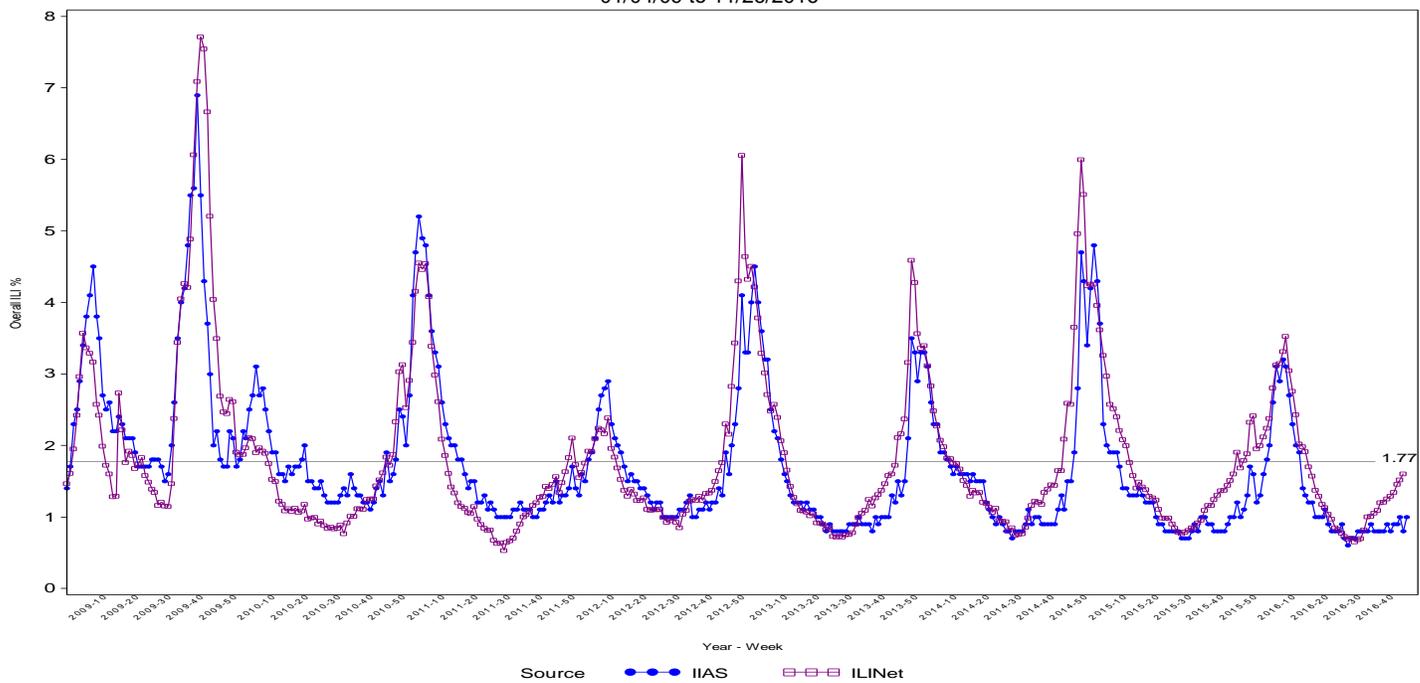
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 ILINet vs. IIAS
 10/02/16 to 11/26/2016



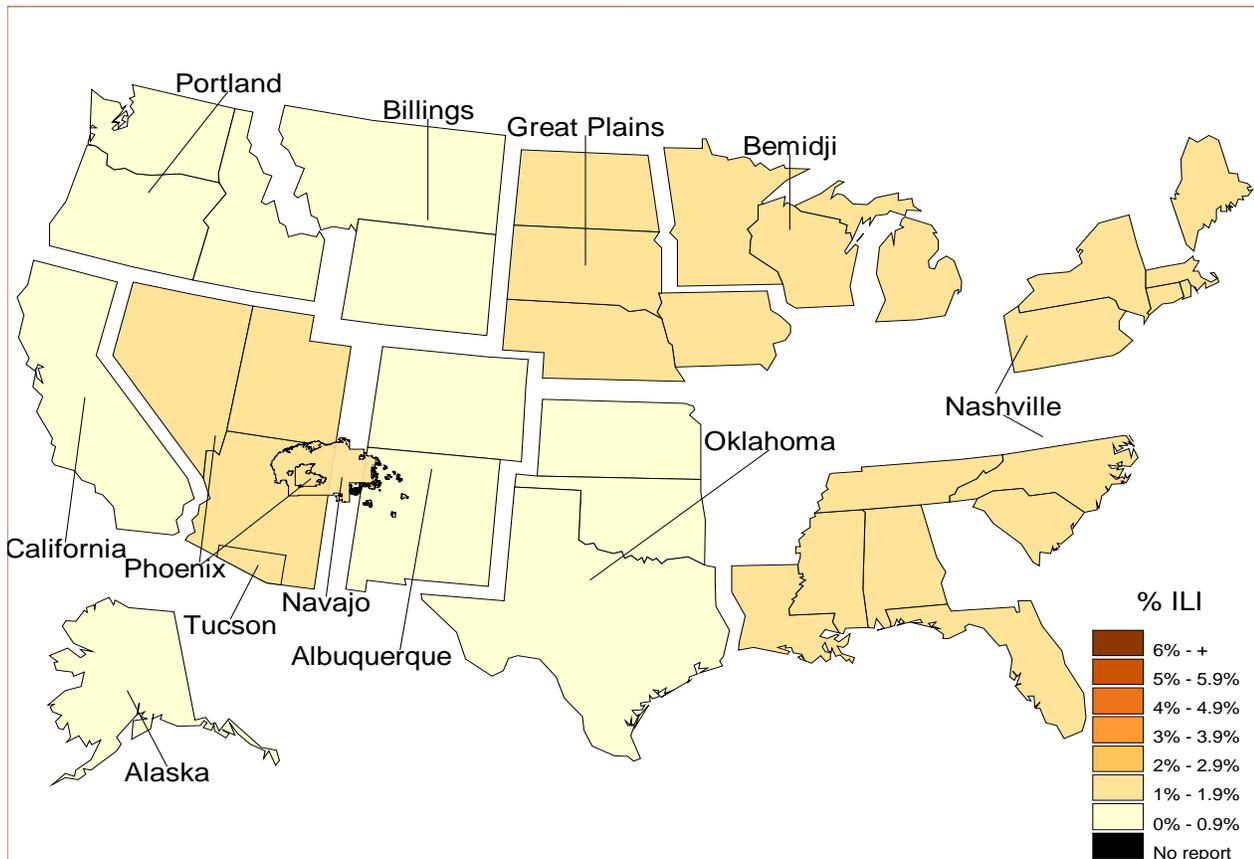
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 11/26/2016



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: 47



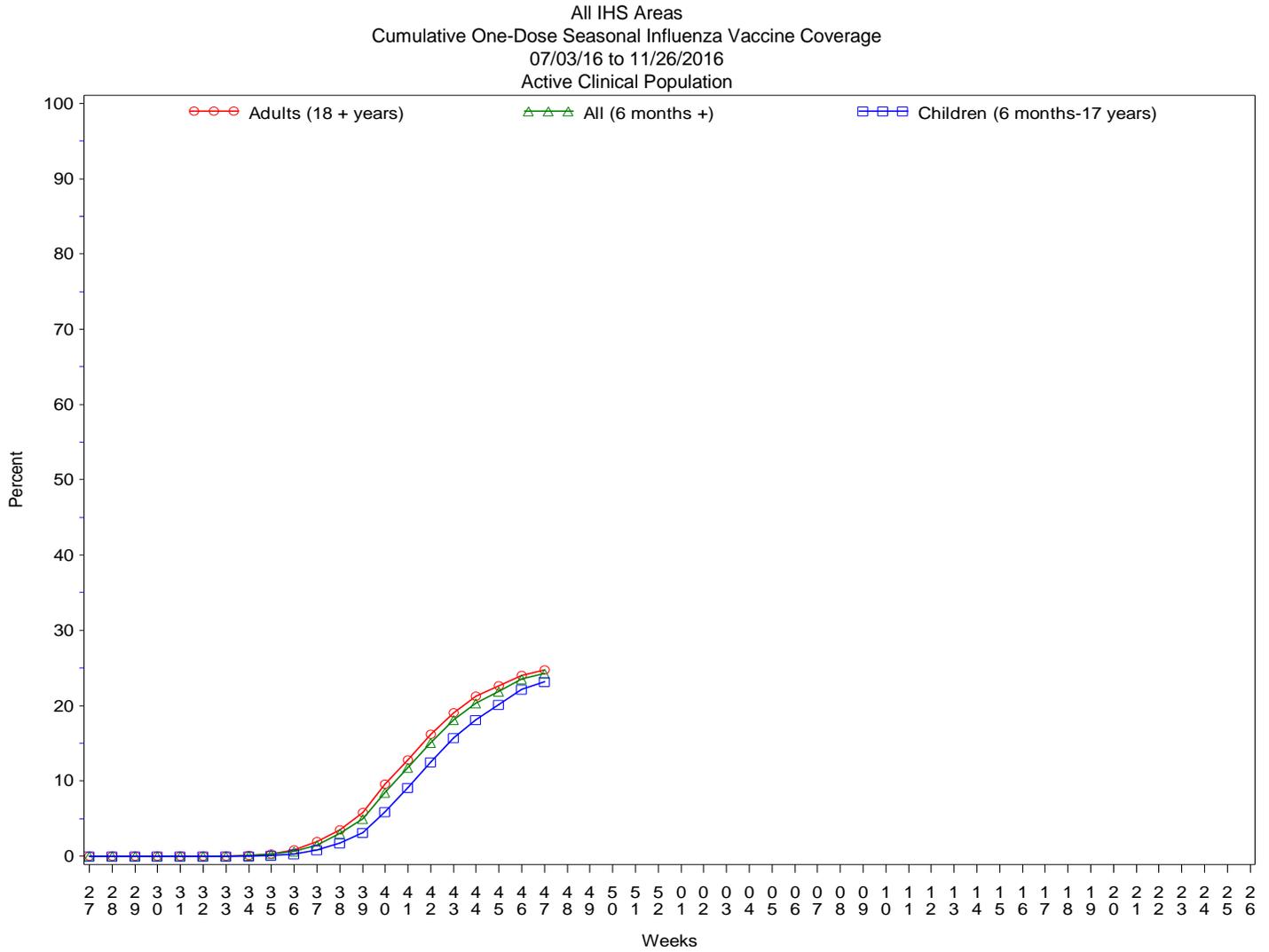
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 46	% in Week 47
NATIONAL	0.8	1.0
ALASKA	0.5	0.4
ALBUQUERQUE	0.5	0.6
BEMIDJI	0.6	1.2
BILLINGS	0.8	0.6
CALIFORNIA	0.5	0.6
GREAT PLAINS	0.9	1.2
NASHVILLE	1.0	1.3
NAVAJO	1.1	1.1
OKLAHOMA	0.6	0.6
PHOENIX	1.4	1.8
PORTLAND	0.6	0.5
TUCSON	0.6	1.0

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

IHS Influenza Vaccination Surveillance

- As of 11/26/2016, sites reporting to the IIAS have administered 230,386 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	4,471	24	0.5	0	0.0	25
6 - 23 months	21,232	6,799	32.0	572	2.7	7,458
2 - 4 years	52,003	9,696	18.6	101	0.2	9,935
5 - 17 years	195,347	45,905	23.5	256	0.1	46,816
18 - 49 years	398,883	75,222	18.9	295	0.1	76,421
50 - 64 years	167,365	51,681	30.9	249	0.1	52,545
65 + years	95,836	36,520	38.1	207	0.2	37,211
Children (6 months-17 years)	268,582	62,400	23.2	929	0.3	64,209
Adults (18 + years)	662,084	163,423	24.7	751	0.1	166,177
All (6 months +)	930,666	225,823	24.3	1,680	0.2	230,386

* 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	65	0	300	3	408	1	0	4228	0	1	2431	241	18	0	0	33	7731
ALB	1	105	0	1160	388	7714	1	0	3505	0	5	1634	396	1	0	0	64	14974
BEM	220	68	0	323	8	1561	0	1	2946	3	4	3140	171	39	0	1	141	8626
BIL	5	183	0	806	9	1817	0	0	8131	0	0	1461	694	114	0	0	105	13325
CAO	5	114	0	1121	14	2021	1	7	6388	0	2	3550	902	59	0	1	98	14283
GPA	1	329	0	903	132	10082	0	0	9969	12	25	4633	696	9	0	0	142	26933
NSA	128	318	0	329	85	4646	196	0	3378	4	14	316	95	268	0	0	99	9876
NAV	10	172	1	1494	8	7895	6	0	10030	0	0	32837	1713	876	0	0	170	55212
OKC	198	1191	0	1915	5	20772	4	1	6502	1	12	1663	767	398	0	0	170	33599
PHX	1	293	0	1026	20	6874	9	0	15184	0	19	301	1330	1	0	0	202	25260
POR	7	213	0	609	980	6570	9	0	3859	26	17	2461	247	980	0	0	602	16580
TUC	0	34	0	21	15	4	0	0	4744	1	0	25	240	0	0	0	18	5102
HQ	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	578	3086	1	10007	1667	70364	227	9	78864	47	99	54452	7492	2763	0	2	1844	231502

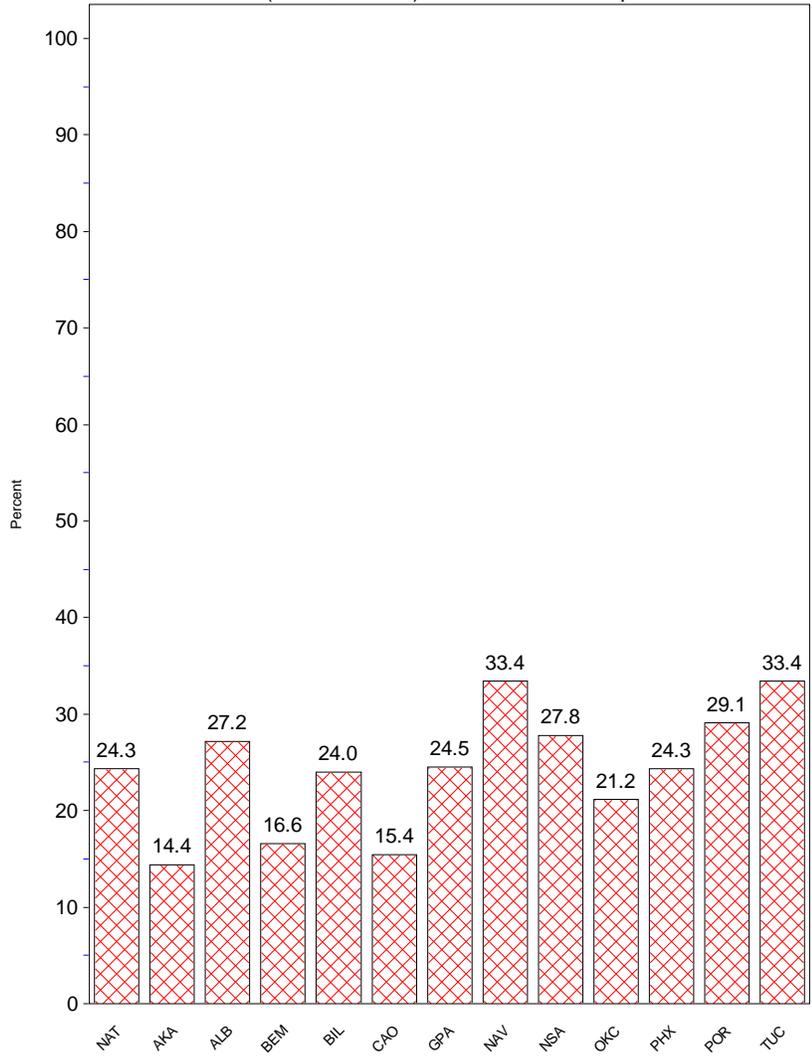
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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+)
07/03/16 to 11/26/2016
%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	270
ALASKA	7	47
ALBUQUERQUE	12	18
BEMIDJI	5	8
BILLINGS	12	19
CALIFORNIA	22	36
GREAT PLAINS	18	35
NASHVILLE	18	22
NAVAJO	7	19
OKLAHOMA	7	12
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.