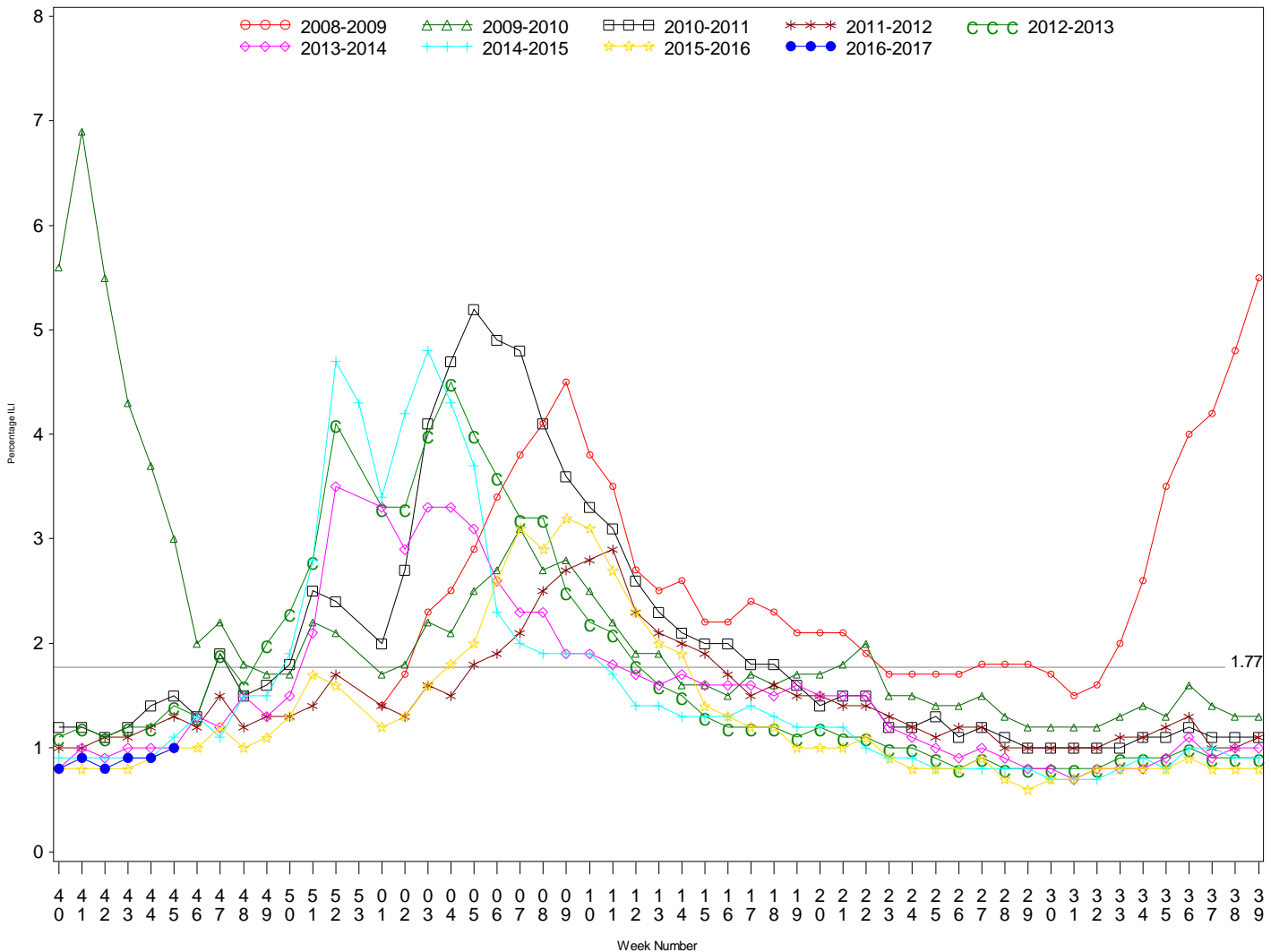




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 45: 11/06/2016 – 11/12/2016)

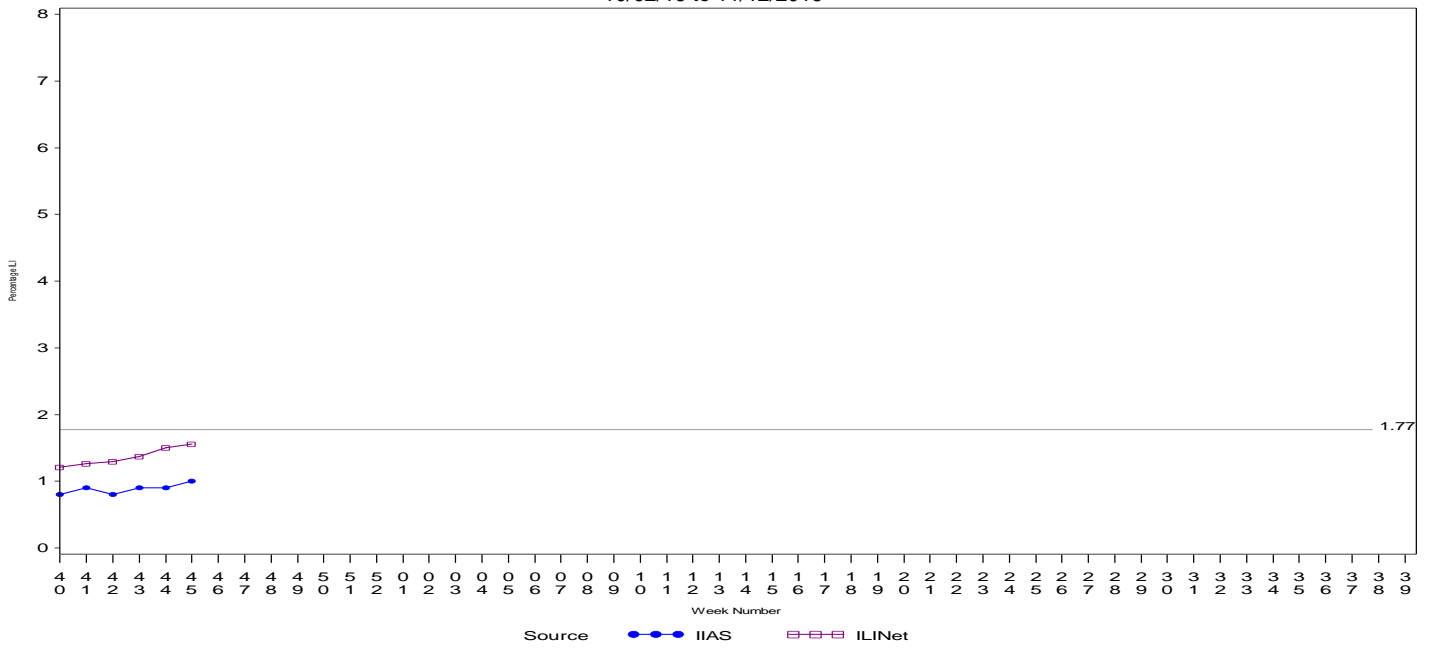
- Influenza-like-illness activity is low across all IHS Regions
- To date IHS has administered over 203,000 doses of influenza vaccine.
- Overall, 21% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 11/12/2016



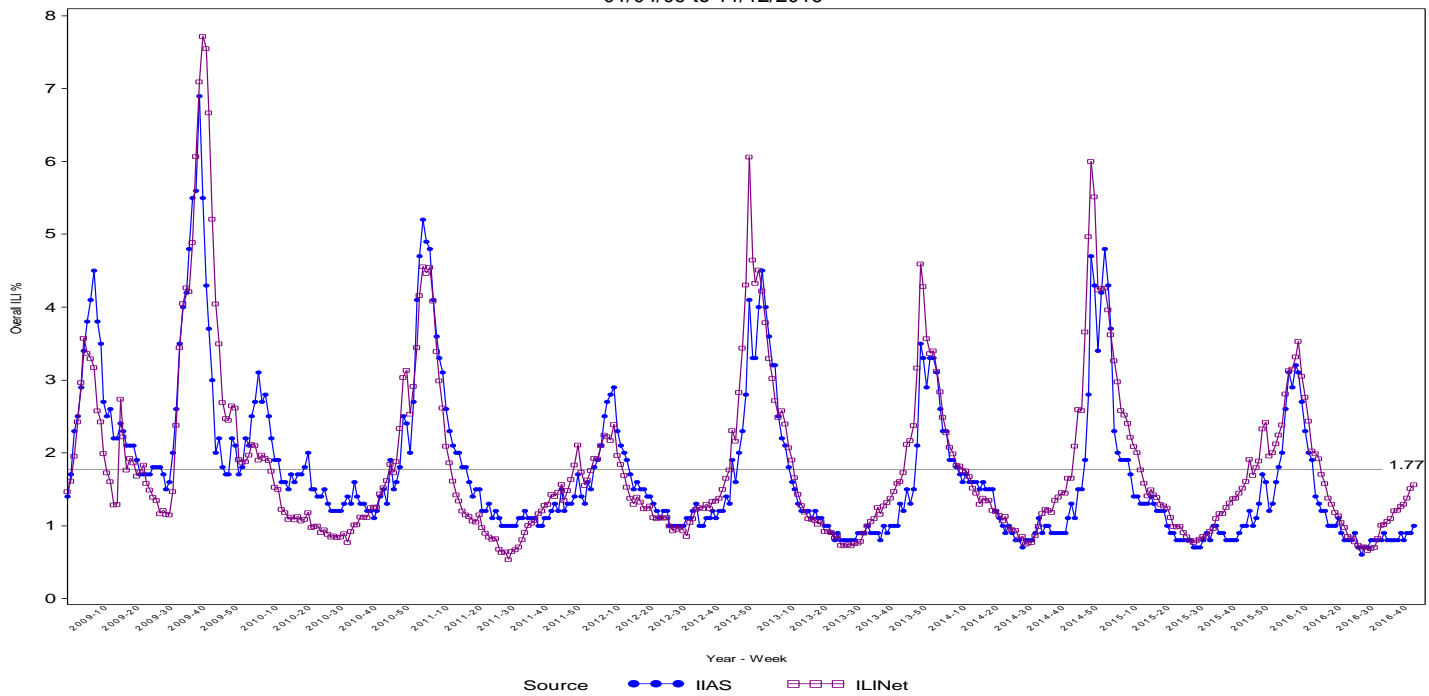
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Proportion of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 ILINet vs. IIAS
 10/02/16 to 11/12/2016



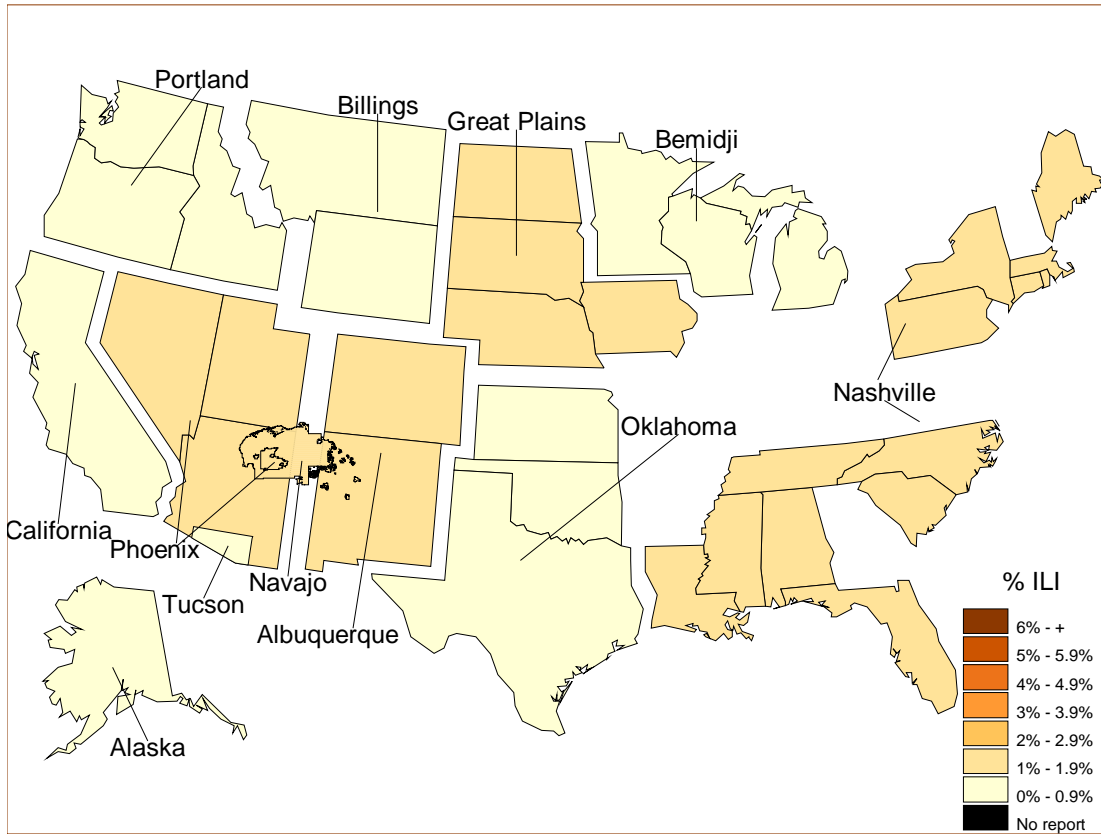
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 11/12/2016



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 IHS Area
For Week: 45



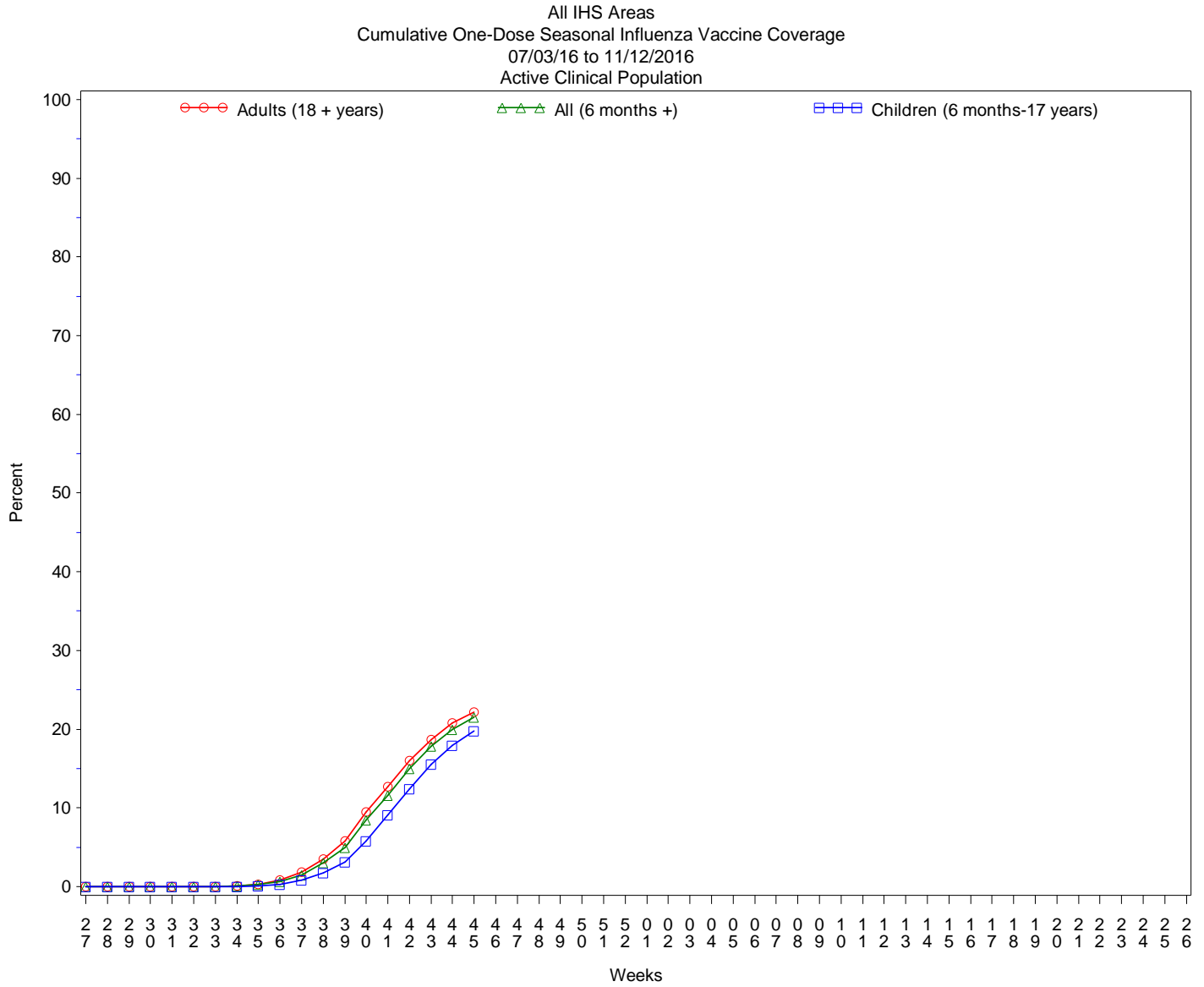
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 44	% in Week 45
NATIONAL	0.9	1.0
ALASKA	0.4	0.5
ALBUQUERQUE	0.5	1.0
BEMIDJI	0.6	0.8
BILLINGS	0.7	0.9
CALIFORNIA	0.6	0.5
GREAT PLAINS	1.3	1.3
NASHVILLE	1.5	1.5
NAVAJO	1.0	1.1
OKLAHOMA	0.5	0.5
PHOENIX	1.1	1.4
PORTLAND	0.5	0.6
TUCSON	0.6	0.7

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

IHS Influenza Vaccination Surveillance

- As of 11/12/2016, sites reporting to the IIAS have administered 203,869 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	21	0.5	0	0.0	22
6 - 23 months	21,228	5,735	27.0	306	1.4	6,112
2 - 4 years	51,989	8,421	16.2	64	0.1	8,611
5 - 17 years	195,308	39,114	20.0	211	0.1	39,936
18 - 49 years	398,873	67,009	16.8	234	0.1	68,087
50 - 64 years	167,355	46,676	27.9	200	0.1	47,463
65 + years	95,885	33,027	34.4	176	0.2	33,660
Children (6 months-17 years)	268,525	53,270	19.8	581	0.2	54,659
Adults (18 + years)	662,113	146,712	22.2	610	0.1	149,210
All (6 months +)	930,638	199,982	21.5	1,191	0.1	203,869

* 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 99.52 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Code s+	Cumulative # of Doses Seasonal Flu
AKA	1	63	0	260	3	392	1	0	3797	0	1	2156	207	18	0	0	24	6923
ALB	1	91	0	1089	327	6746	1	0	3080	0	4	1501	330	1	0	0	59	13230
BEM	204	67	0	283	7	1387	0	1	2682	3	4	3076	150	39	0	1	130	8034
BIL	5	172	0	767	9	1723	0	0	7315	0	0	1410	543	102	0	0	99	12145
CAO	5	104	0	1030	13	1843	1	7	5771	0	2	3229	763	54	0	1	101	12924
GPA	1	316	0	834	107	9248	0	0	9176	12	23	4213	609	6	0	0	132	24677
NSA	109	293	0	308	68	4344	182	0	3158	4	10	269	77	245	0	0	84	9151
NAV	9	154	1	1317	7	7059	5	0	8647	0	0	28263	1338	783	0	0	176	47759
OKC	194	802	0	1836	4	17442	3	1	5547	1	12	1317	693	394	0	0	172	28418
PHX	1	271	0	923	19	6216	9	0	13242	0	18	276	1117	1	0	0	165	22258
POR	7	180	0	578	893	6039	9	0	3459	23	14	2130	215	890	0	0	413	14850
TUC	0	27	0	17	15	4	0	0	3947	1	0	15	191	0	0	0	18	4235
HQ	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	537	2541	1	9242	1472	62443	211	9	69821	44	88	47855	6233	2533	0	2	1573	204605

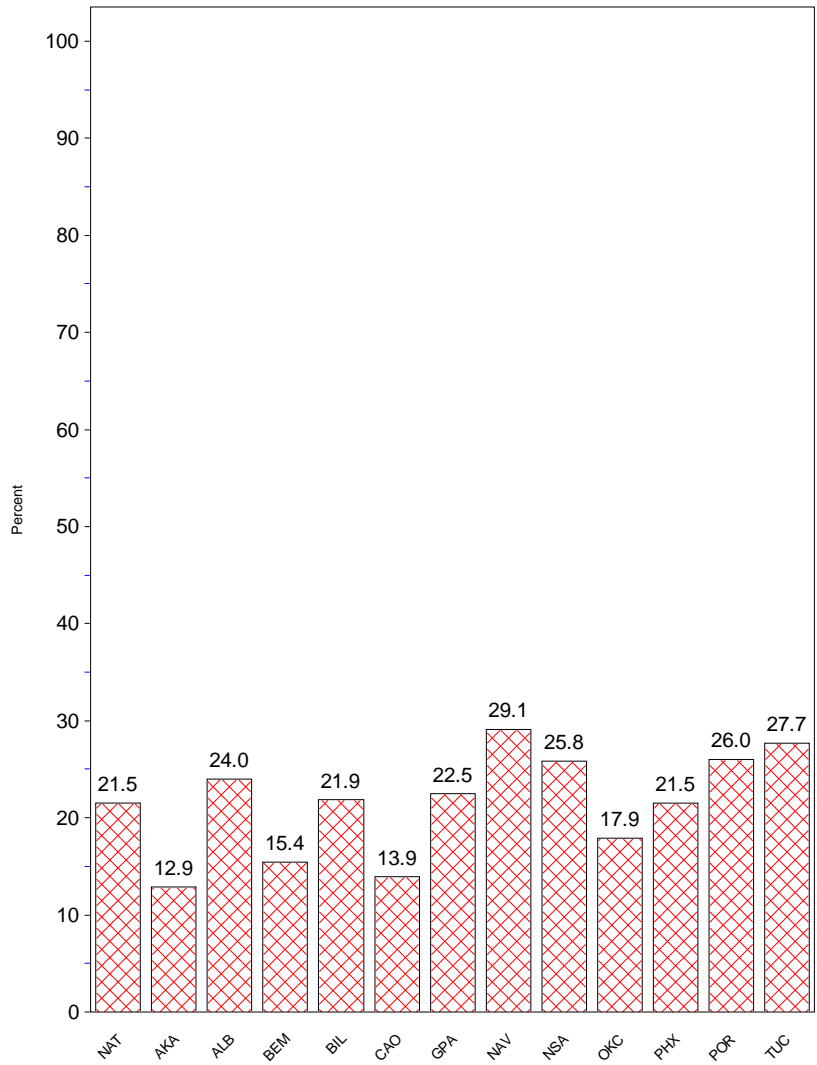
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 11/12/2016
%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	157	305
ALASKA	7	60
ALBUQUERQUE	12	18
BEMIDJI	5	12
BILLINGS	12	20
CALIFORNIA	22	38
GREAT PLAINS	19	38
NASHVILLE	18	22
NAVAJO	7	20
OKLAHOMA	18	23
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, Alaska Village Clinic.