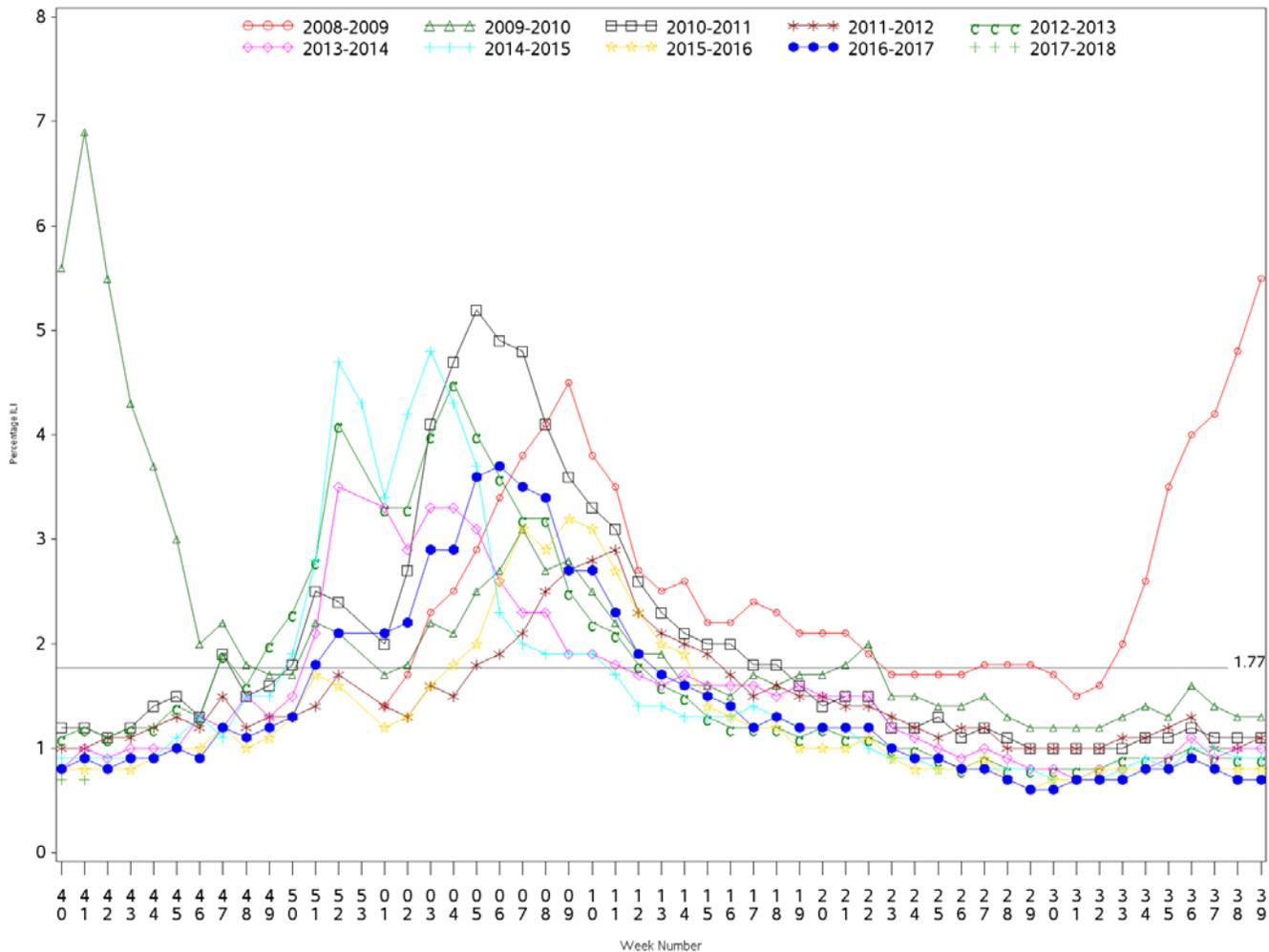




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 41: 10/08/2017 – 10/14/2017)

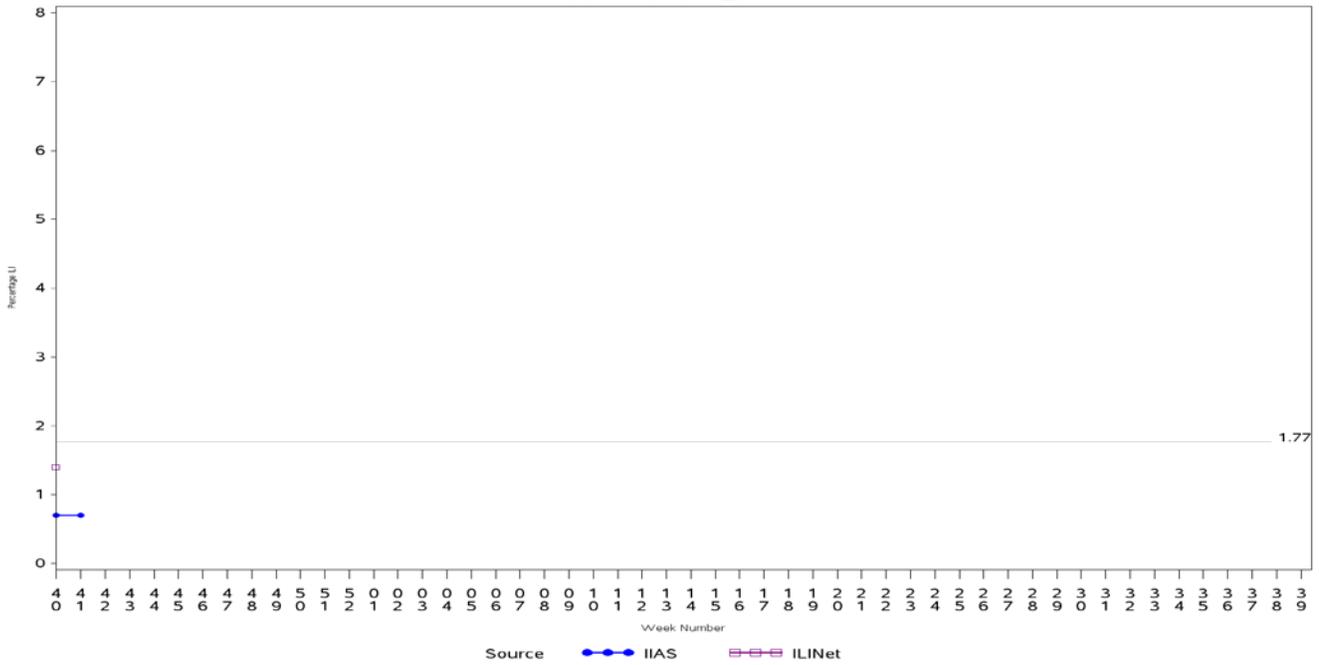
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.7%, below the IHS baseline of 1.77%
 - Two IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also low, below the ILINet baseline
 - CDC's ILINet ILI activity is 1.3%, below the ILINet baseline (2.2%) and below the IHS baseline (1.77%).
- To date, IHS has administered over 104,000 doses of influenza vaccine.
- Overall, 11.0% 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 10/14/2017



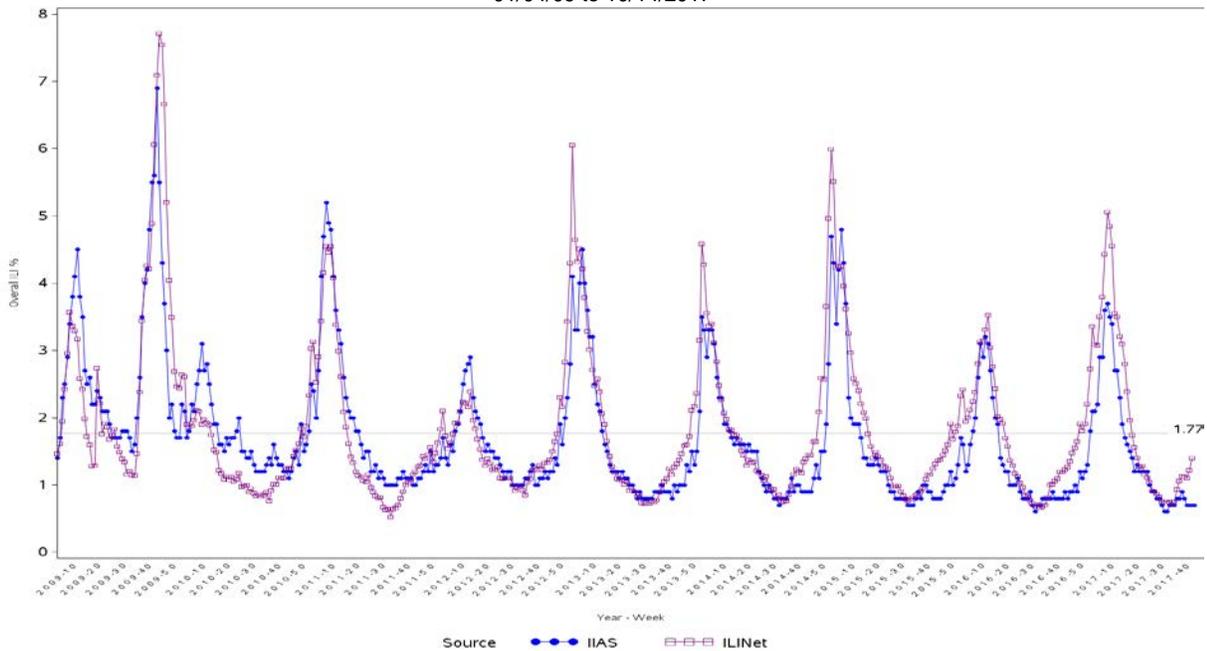
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 10/14/2017



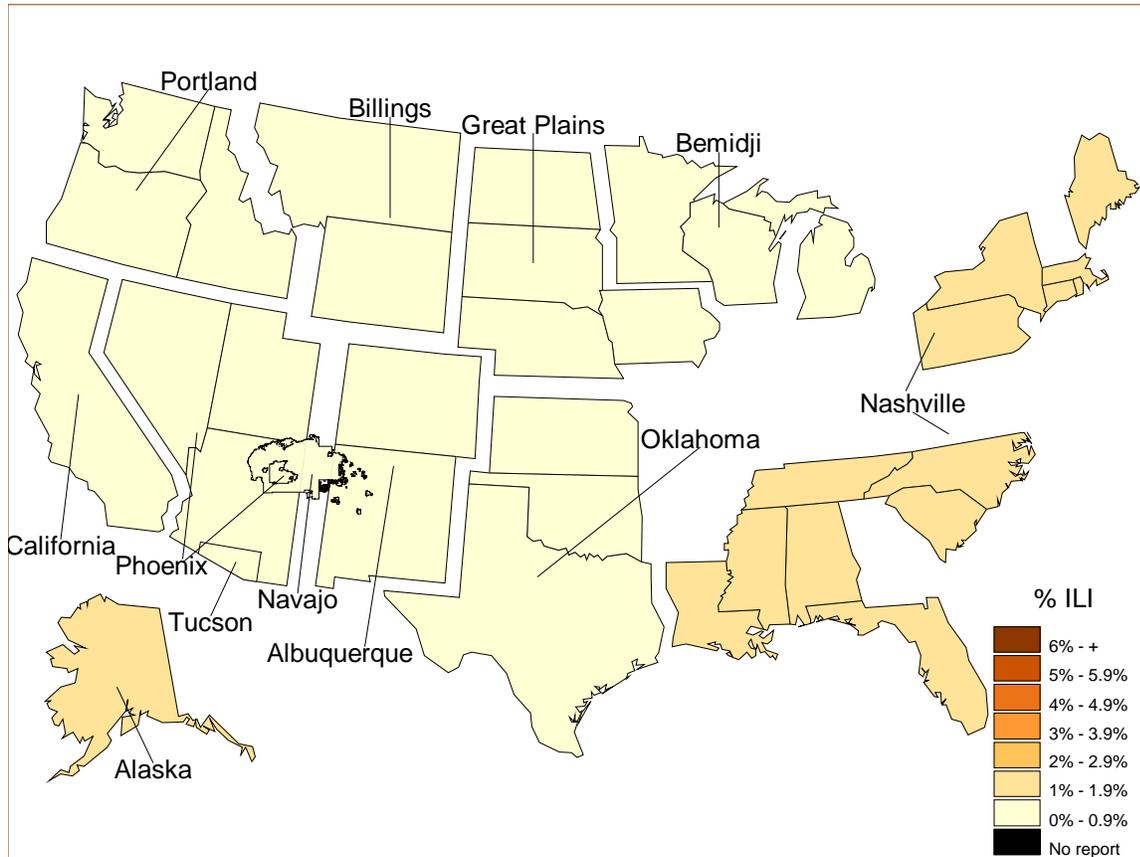
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 IIAS vs. ILINet
 01/04/09 to 10/14/2017



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 2017-2018 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 Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by Region
For Week: 41



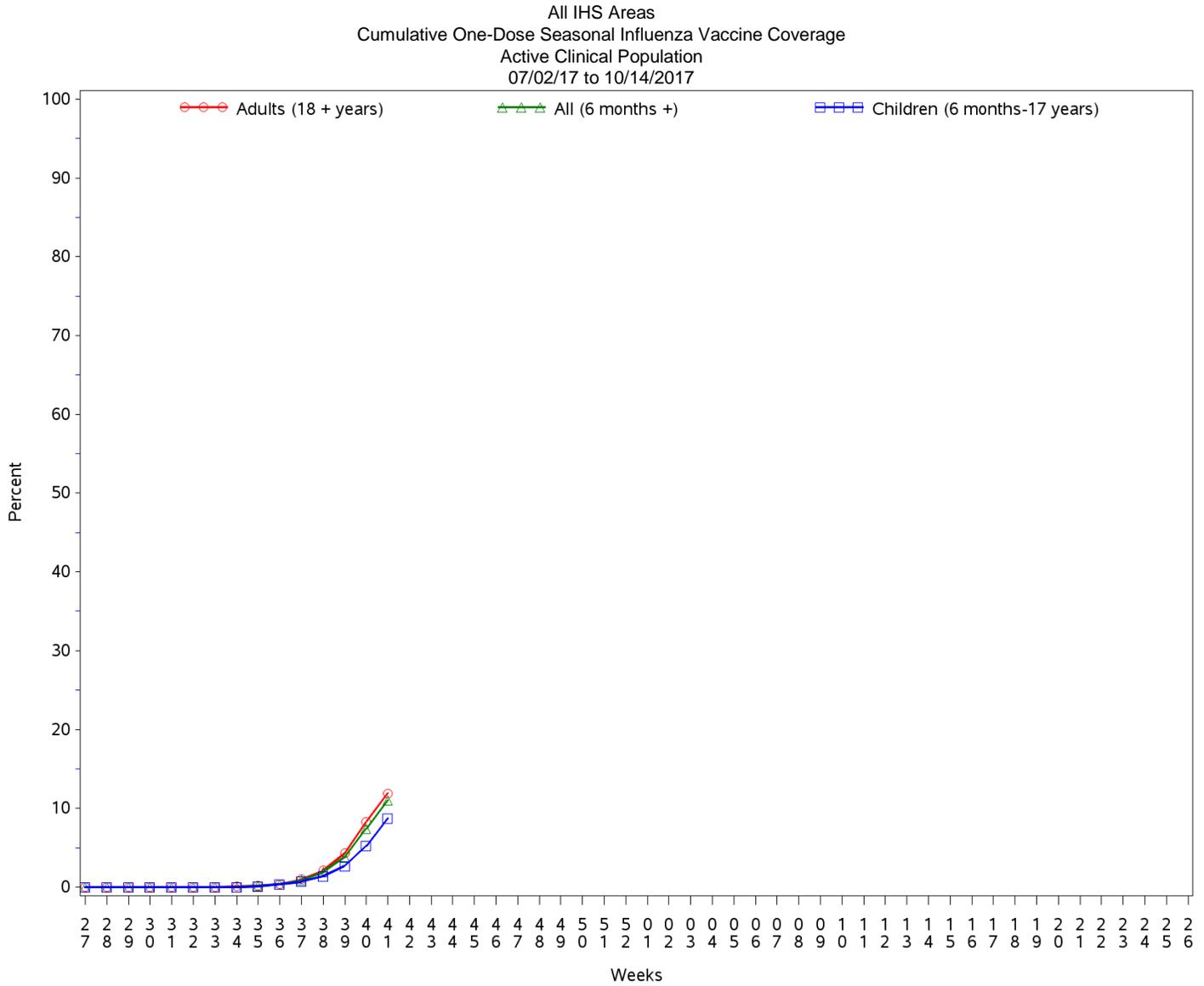
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 40	% in Week 41
NATIONAL	0.7	0.7
ALASKA	1.0	1.3
ALBUQUERQUE	0.5	0.4
BEMIDJI	0.6	0.9
BILLINGS	0.6	0.7
CALIFORNIA	0.3	0.4
GREAT PLAINS	0.8	0.8
NASHVILLE	1.3	1.4
NAVAJO	0.7	0.6
OKLAHOMA	0.5	0.5
PHOENIX	1.1	0.9
PORTLAND	0.7	0.3
TUCSON	0.7	0.5

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

IHS Influenza Vaccination Surveillance

- As of 10/14/2017, sites reporting to the IIAS have administered 104,099 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	4,191	10	0.2	0	0.0	10
6 - 23 months	20,894	2,623	12.6	30	0.1	2,656
2 - 4 years	51,502	3,898	7.6	4	0.0	3,911
5 - 17 years	196,185	16,877	8.6	35	0.0	16,966
18 - 49 years	402,012	34,387	8.6	140	0.0	34,625
50 - 64 years	169,261	25,390	15.0	75	0.0	25,527
65 + years	99,840	20,211	20.2	87	0.1	20,414
Children (6 months-17 years)	268,581	23,398	8.7	69	0.0	23,533
Adults (18 + years)	671,113	79,988	11.9	302	0.0	80,566
All (6 months +)	939,694	103,386	11.0	371	0.0	104,099

* 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	Inactive CVX Codes*	CVX 88 FLU-NOS**	CVX 135 FLU-HIGH	CVX 140 FLU-IIV3pf	CVX 141 FLU-IIV3	CVX 149 FLU-LAIV4	CVX 150 FLU-IIV4pf	CVX 155 FLU-RIV3	CVX 158 FLU-IIV4	CVX 161 IIV4pf ped	CVX 166 FLU-DERM 4	CVX 168 FLU-IIV3a d	CVX 171 FLU-ccl4p f	CVX 185 FLU-RIV4	CVX 186 FLU-ccl4	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	1	17	131	2	34	0	2,018	0	644	111	0	0	15	0	0	0	0	10	2,983
ALB	0	88	727	27	490	0	2,921	10	2,404	199	310	0	4	15	1	0	0	20	7,216
BEM	0	62	237	3	208	0	1,905	1	2,545	93	1	0	0	25	0	0	0	23	5,103
BIL	0	32	622	1	64	0	2,751	1	719	81	67	0	84	106	0	0	0	20	4,548
CAO	0	299	824	11	585	0	2,536	1	1,861	85	19	0	349	0	0	0	0	71	6,641
GPA	1	135	835	2	511	1	6,415	1	3,385	427	2	1	67	17	2	0	0	34	11,836
NSA	0	75	156	9	211	0	1,250	1	2,419	74	91	1	52	1	1	0	0	61	4,402
NAV	3	102	908	4	677	0	7,701	2	14,191	414	168	0	5	17	5	0	0	59	24,256
OKC	3	964	1,310	4	995	1	3,273	3	7,093	351	227	0	168	6	3	0	0	18	14,419
PHX	0	377	870	2	282	0	6,562	3	4,129	198	1	1	4	0	0	0	0	55	12,484
POR	2	150	740	135	243	0	3,132	9	3,192	169	314	39	303	101	1	0	0	54	8,584
TUC	0	22	13	9	0	0	1,628	0	54	6	0	0	0	0	0	0	0	4	1,736
	10	2,323	7,373	209	4,300	2	42,092	32	42,636	2,208	1,200	42	1,051	288	13	0	0	429	104,208

* 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.

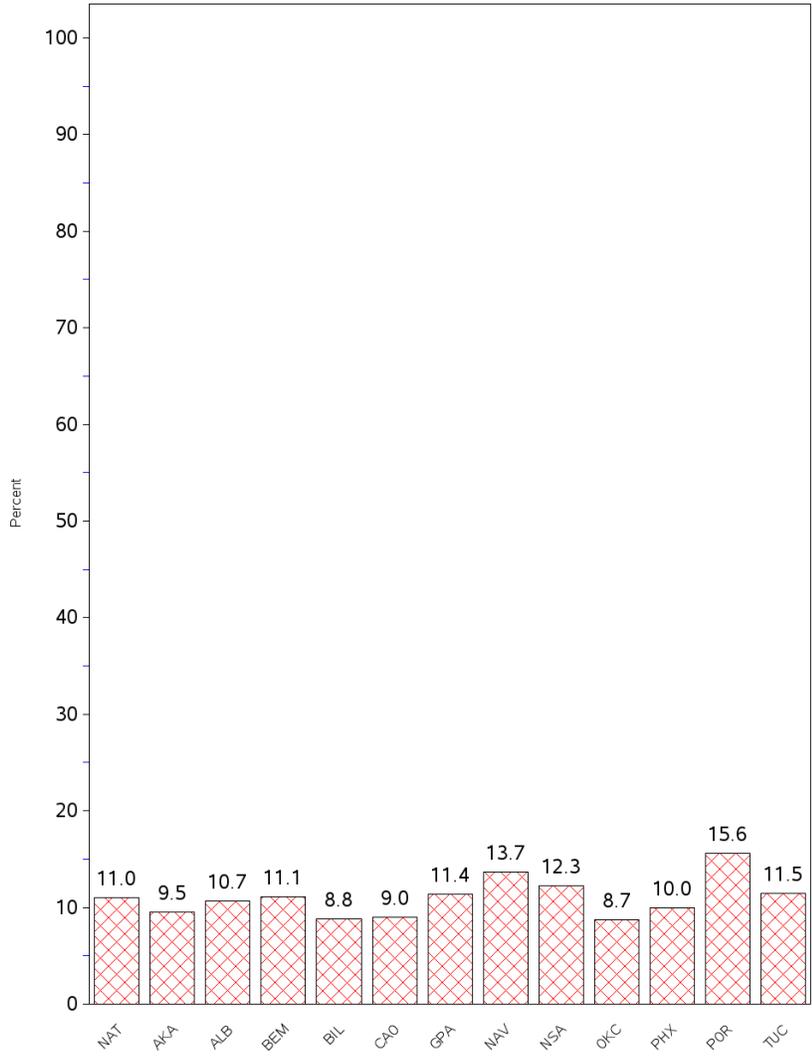
Doses are NOT deduplicated.

** 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+)
%Seasonal Flu (At least 1 dose) for Active Clinical Population
07/02/17 to 10/14/2017



- 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	164	328
ALASKA	5	52
ALBUQUERQUE	12	20
BEMIDJI	15	30
BILLINGS	11	20
CALIFORNIA	20	36
GREAT PLAINS	18	36
NASHVILLE	20	25
NAVAJO	8	25
OKLAHOMA	19	30
PHOENIX	14	25
PORTLAND	21	25
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.