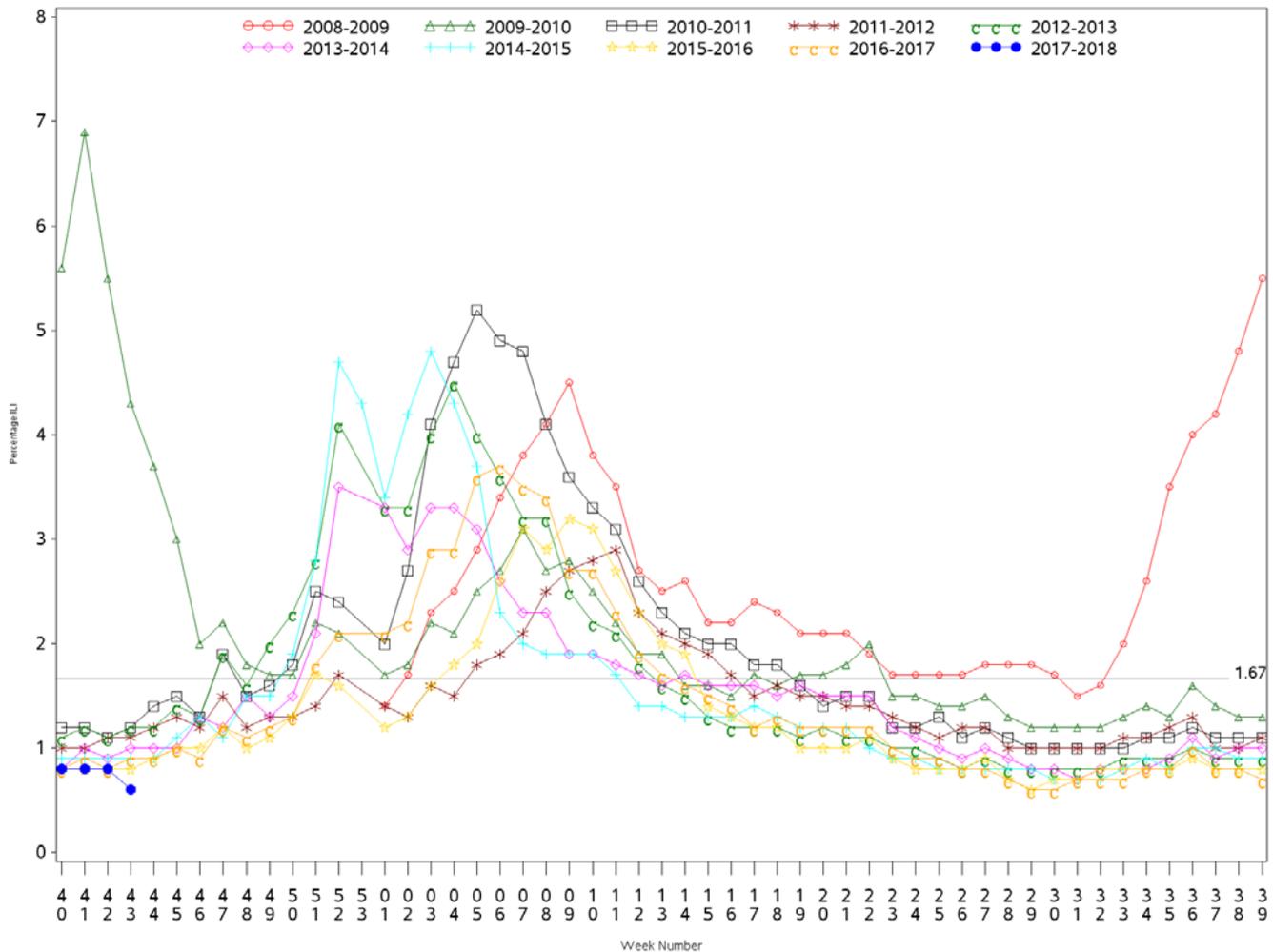




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 43: 10/22/2017 – 10/28/2017)

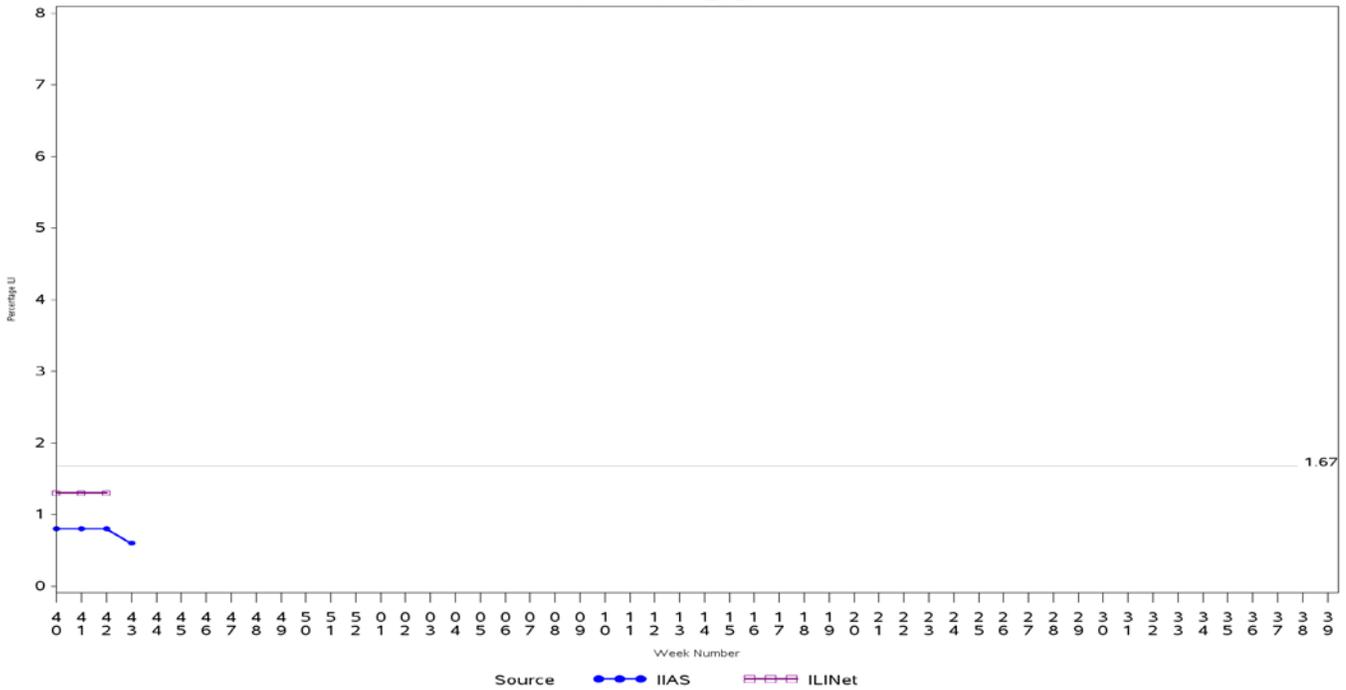
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.6%, below the IHS baseline of 1.67%
 - Two IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also low, below the ILINet baseline
 - CDC's ILINet ILI activity is 1.3%, below the ILINet baseline (2.2%) and below the IHS baseline (1.67%).
- To date, IHS has administered over 172,000 doses of influenza vaccine.
- Overall, 18.2% 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 10/28/2017



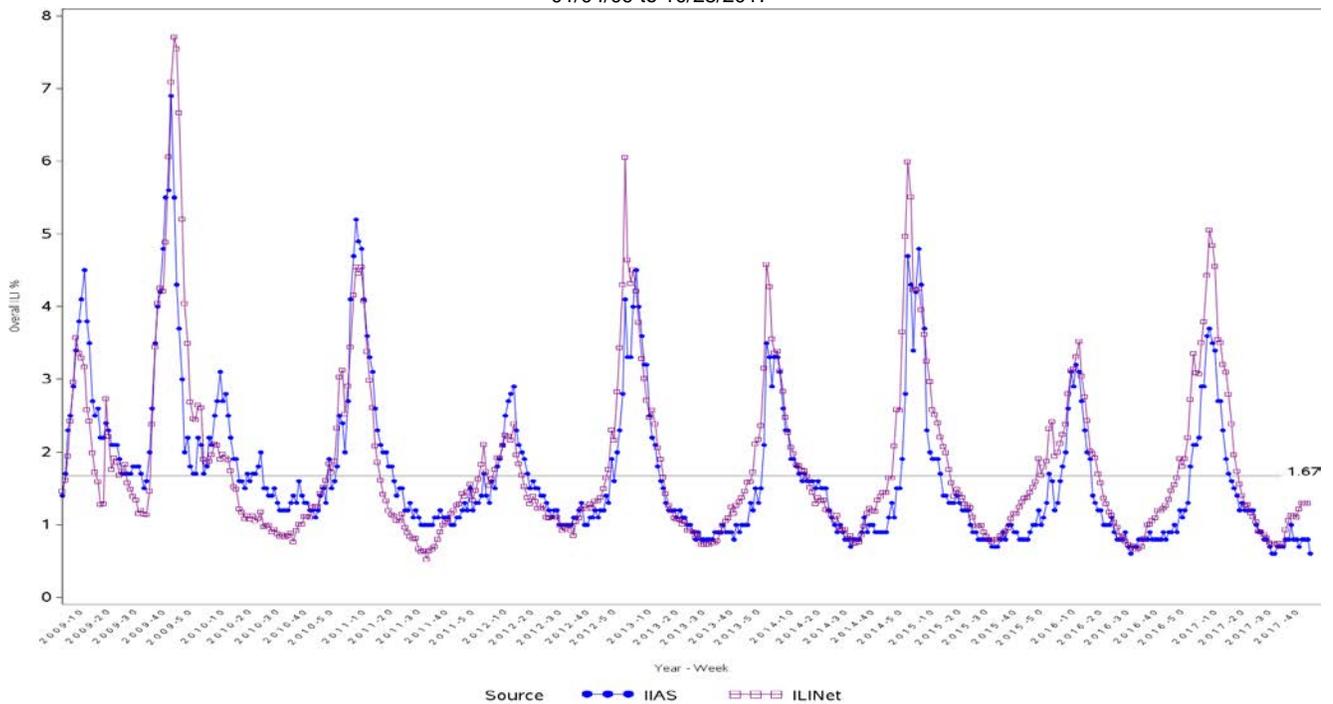
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 10/28/2017



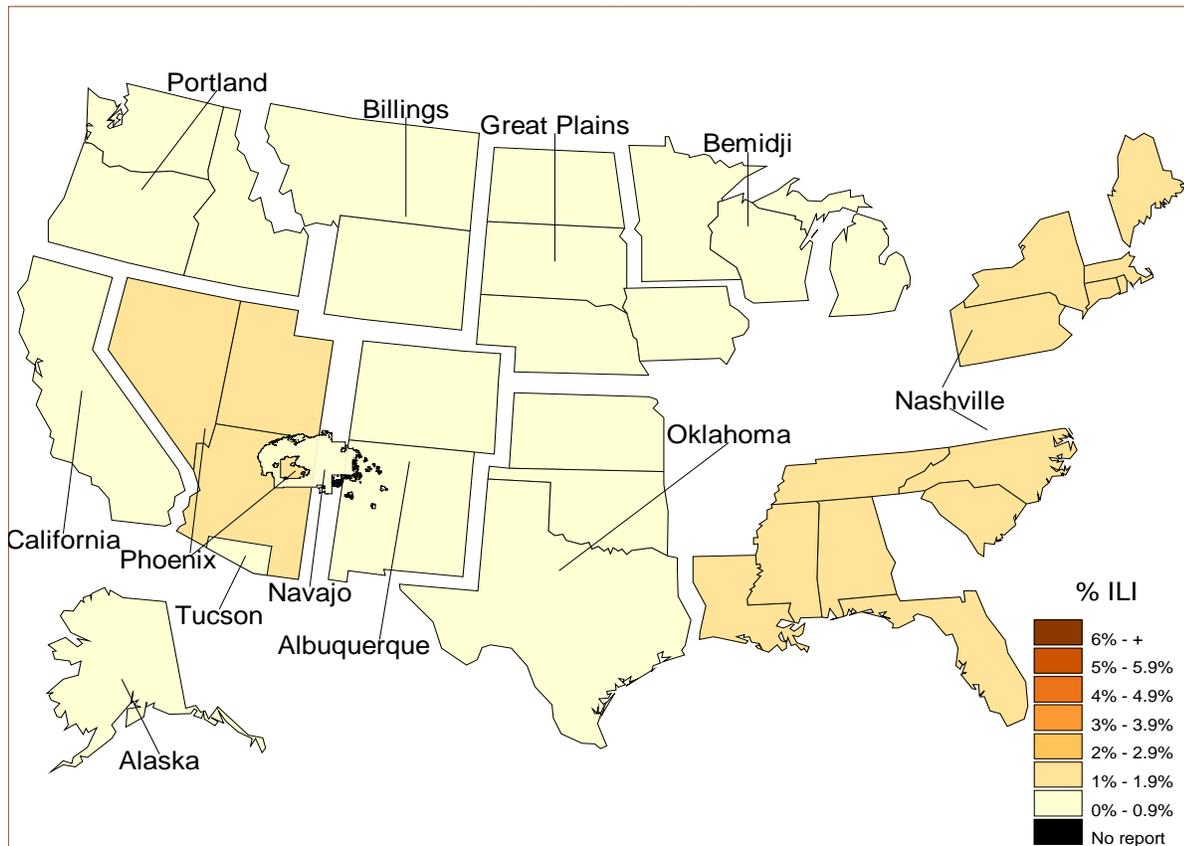
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 10/28/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 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: 43



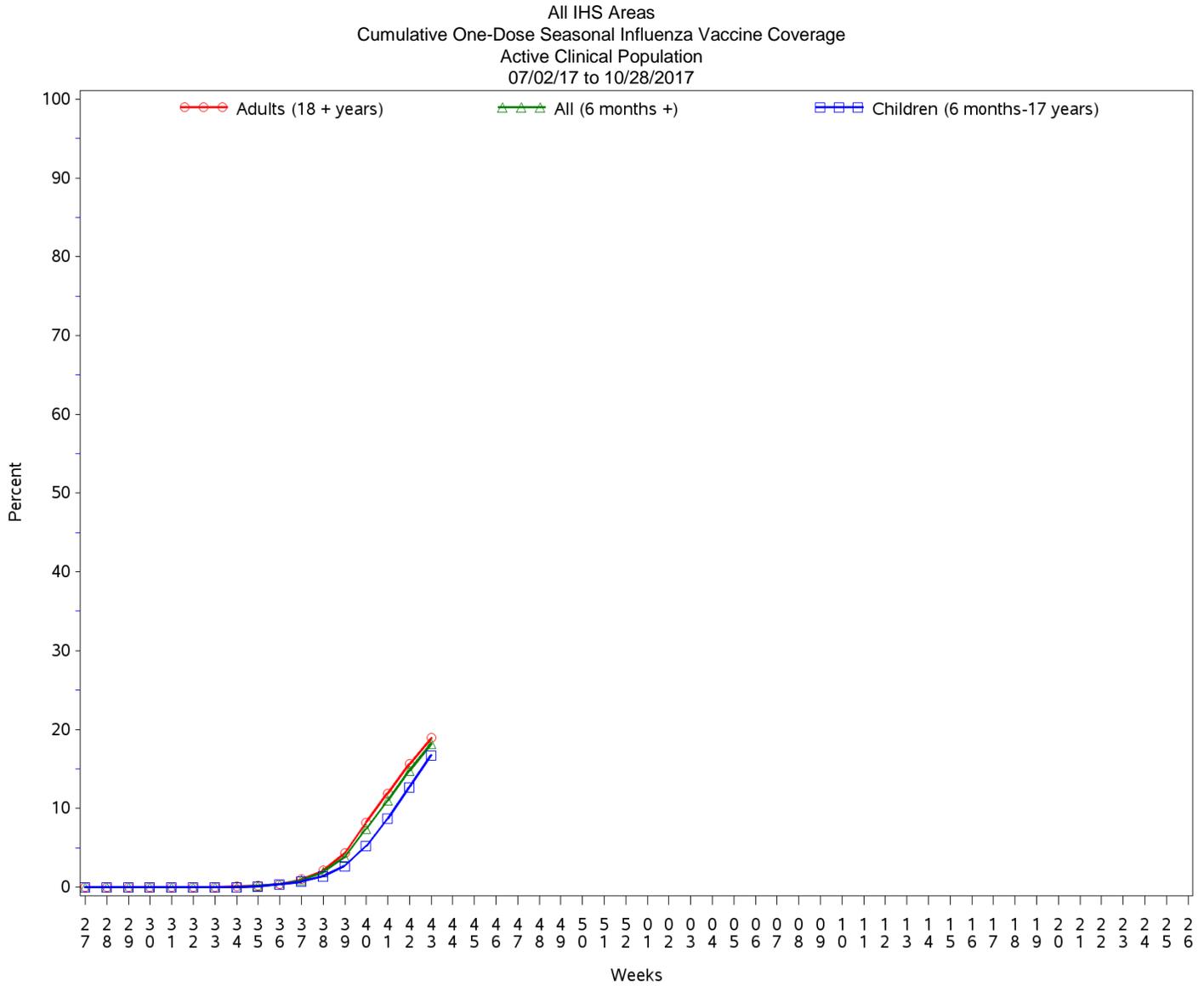
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 42	% in Week 43
NATIONAL	0.8	0.6
ALASKA	1.5	0.6
ALBUQUERQUE	0.4	0.5
BEMIDJI	1.0	0.7
BILLINGS	0.7	0.6
CALIFORNIA	0.3	0.4
GREAT PLAINS	0.9	0.7
NASHVILLE	1.3	1.4
NAVAJO	0.8	0.5
OKLAHOMA	0.5	0.4
PHOENIX	1.2	1.2
PORTLAND	0.7	0.5
TUCSON	0.7	0.3

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

IHS Influenza Vaccination Surveillance

- As of 10/28/2017, sites reporting to the IIAS have administered 172,748 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	16	0.4	0	0.0	16
6 - 23 months	20,894	4,519	21.6	123	0.6	4,650
2 - 4 years	51,502	6,772	13.1	26	0.1	6,810
5 - 17 years	196,185	33,452	17.1	92	0.0	33,614
18 - 49 years	402,012	55,676	13.8	242	0.1	56,063
50 - 64 years	169,261	40,089	23.7	171	0.1	40,360
65 + years	99,840	30,941	31.0	150	0.2	31,251
Children (6 months-17 years)	268,581	44,743	16.7	241	0.1	45,074
Adults (18 + years)	671,113	126,706	18.9	563	0.1	127,674
All (6 months +)	939,694	171,449	18.2	804	0.1	172,748

* 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-IIV3 pf	CVX 141 FLU-IIV3	CVX 149 FLU-LAIV 4	CVX 150 FLU-IIV4pf	CVX 155 FLU-RIV3	CVX 158 FLU-IIV4	CVX 161 IIV4pf ped	CVX 166 FLU-DERM4	CVX 168 FLU-IIV3ad	CVX 171 FLU-ccl4pf	CVX 185 FLU-RIV4	CVX 186 FLU-ccl4	Proc 99.52 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	1	22	210	2	55	0	2,927	0	747	174	2	0	24	0	0	0	0	22	4,186
ALB	0	134	1,144	34	678	0	5,833	10	4,539	343	552	0	4	30	5	0	0	32	13,338
BEM	1	73	317	4	264	0	2,804	1	3,330	134	2	0	1	30	0	0	0	34	6,995
BIL	0	46	958	2	84	0	5,786	2	1,310	151	112	0	111	175	1	0	0	45	8,783
CAO	0	321	1,084	22	860	0	3,633	1	2,463	170	23	0	432	0	0	0	0	125	9,134
GPA	1	187	1,101	2	766	1	10,249	3	5,681	762	2	2	70	19	3	0	0	58	18,907
NSA	0	88	273	9	267	0	2,729	2	3,565	111	252	1	70	5	1	0	0	113	7,486
NAV	5	154	1,216	4	1,029	0	13,483	5	25,079	776	303	0	7	31	11	0	0	97	42,200
OKC	3	1,168	2,022	4	1,465	1	6,245	7	12,801	896	301	0	531	8	29	0	0	35	25,516
PHX	0	509	1,218	2	329	0	10,597	7	7,046	305	3	1	10	2	0	0	0	71	20,100
POR	2	200	1,001	190	321	0	4,648	13	5,143	268	549	46	537	134	1	0	0	116	13,169
TUC	0	24	14	10	0	0	3,028	0	65	10	0	0	0	0	0	0	0	19	3,170
	13	2,926	10,558	285	6,118	2	71,962	51	71,769	4,100	2,101	50	1,797	434	51	0	0	767	172,984

* 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.

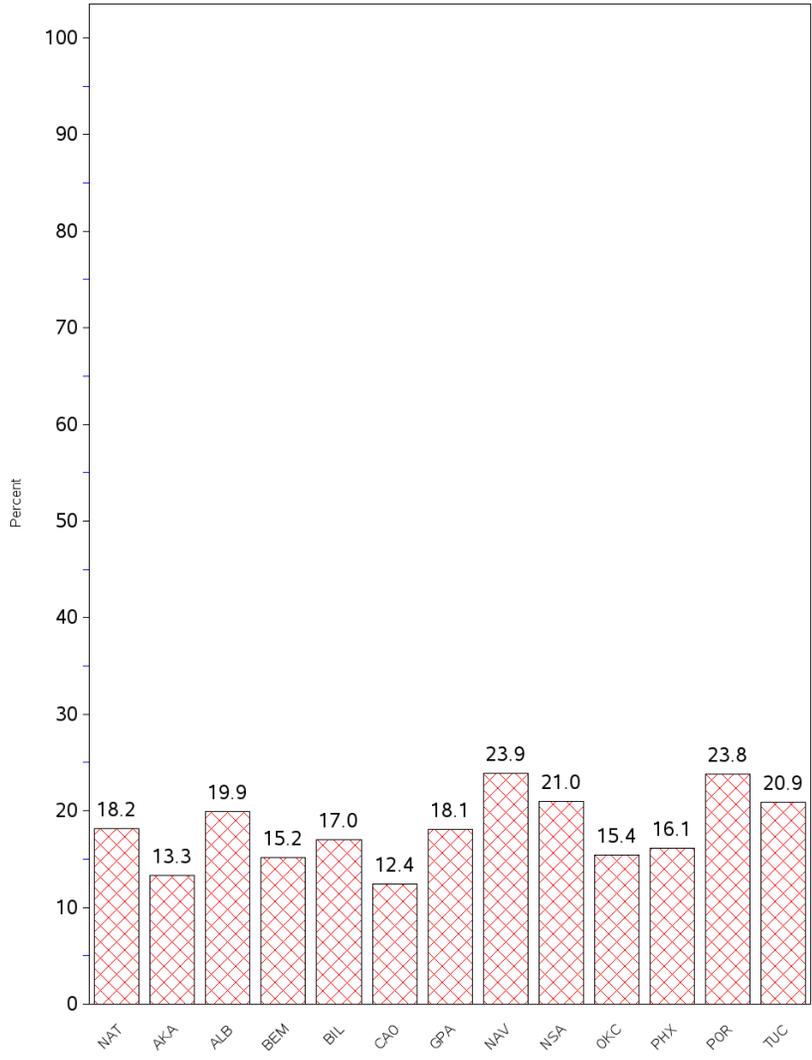
Doses are NOT deduplicated.

** 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 months and older)
%Seasonal Flu (At least 1 dose) for Active Clinical Population
07/02/17 to 10/28/2017



- 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	156	306
ALASKA	5	52
ALBUQUERQUE	12	20
BEMIDJI	7	14
BILLINGS	11	22
CALIFORNIA	20	36
GREAT PLAINS	18	36
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	19	26
PHOENIX	14	24
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.