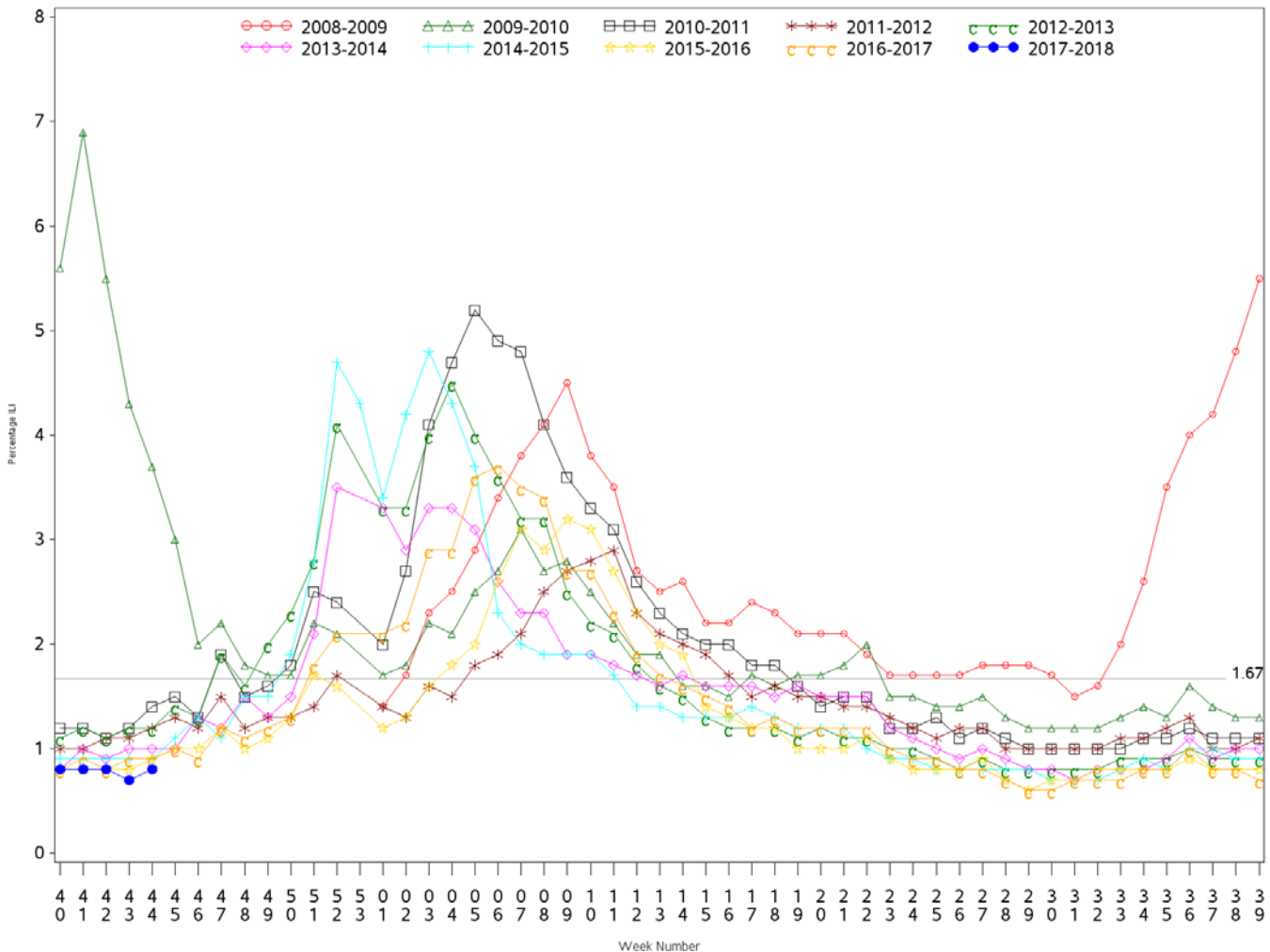




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 44: 10/29/2017 – 11/04/2017)

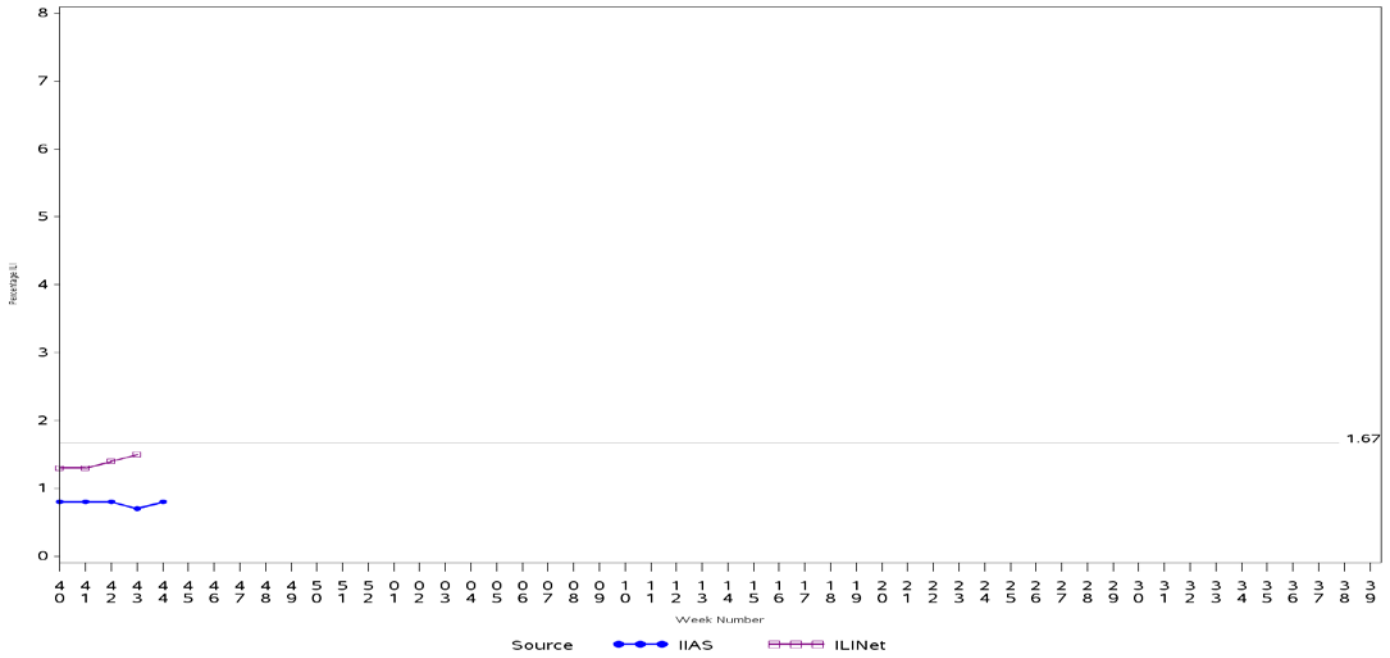
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.8%, below the IHS baseline of 1.67%
 - Two IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also low, below the ILINet baseline
 - CDC's ILINet ILI activity is 1.5%, below the ILINet baseline (2.2%) and below the IHS baseline (1.67%).
- To date, IHS has administered over 195,000 doses of influenza vaccine.
- Overall, 20.7% 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 11/04/2017



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 11/04/2017



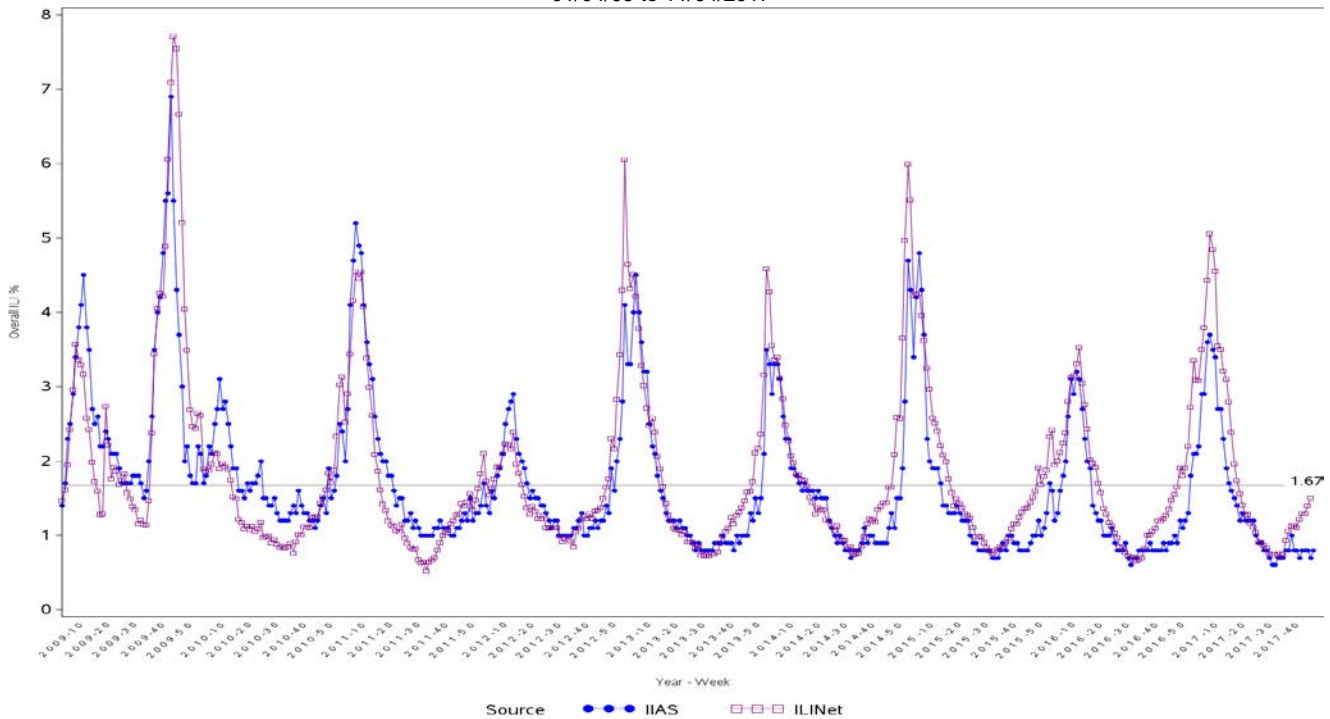
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 11/04/2017



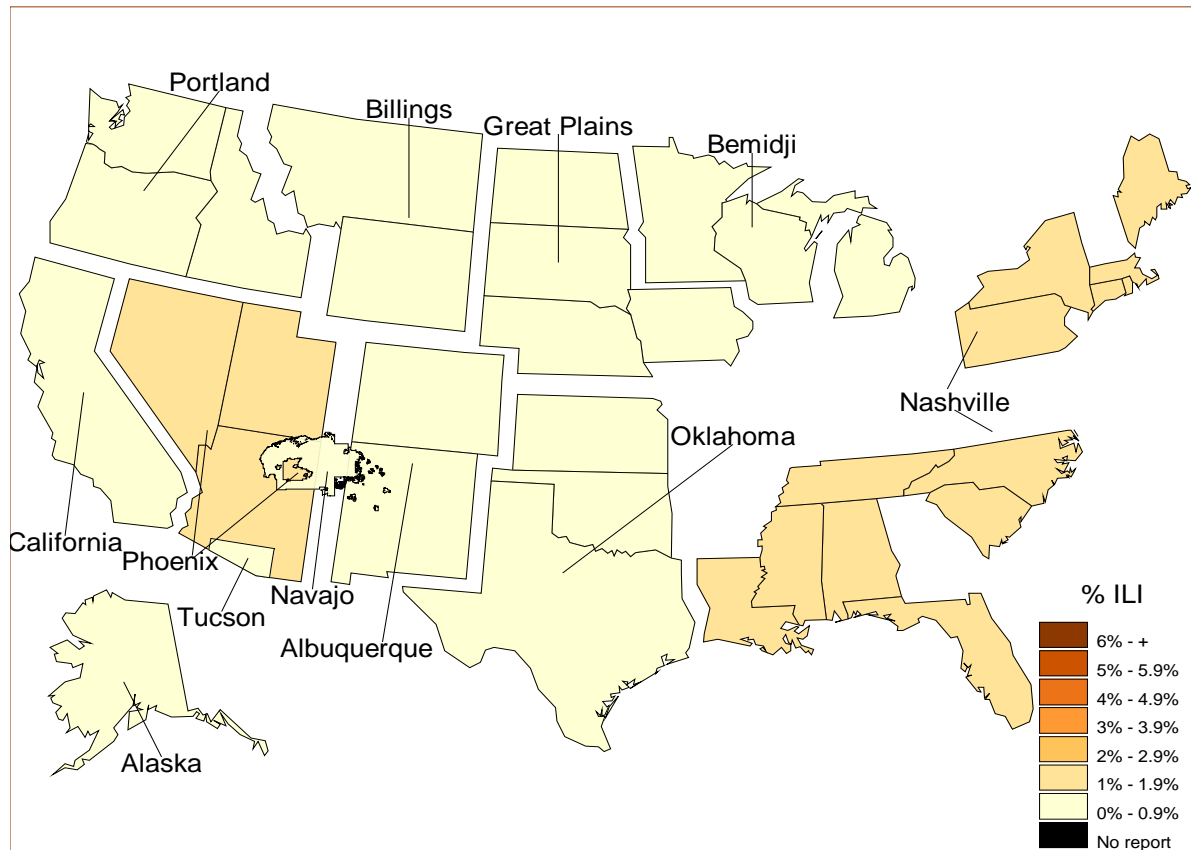
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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: 44



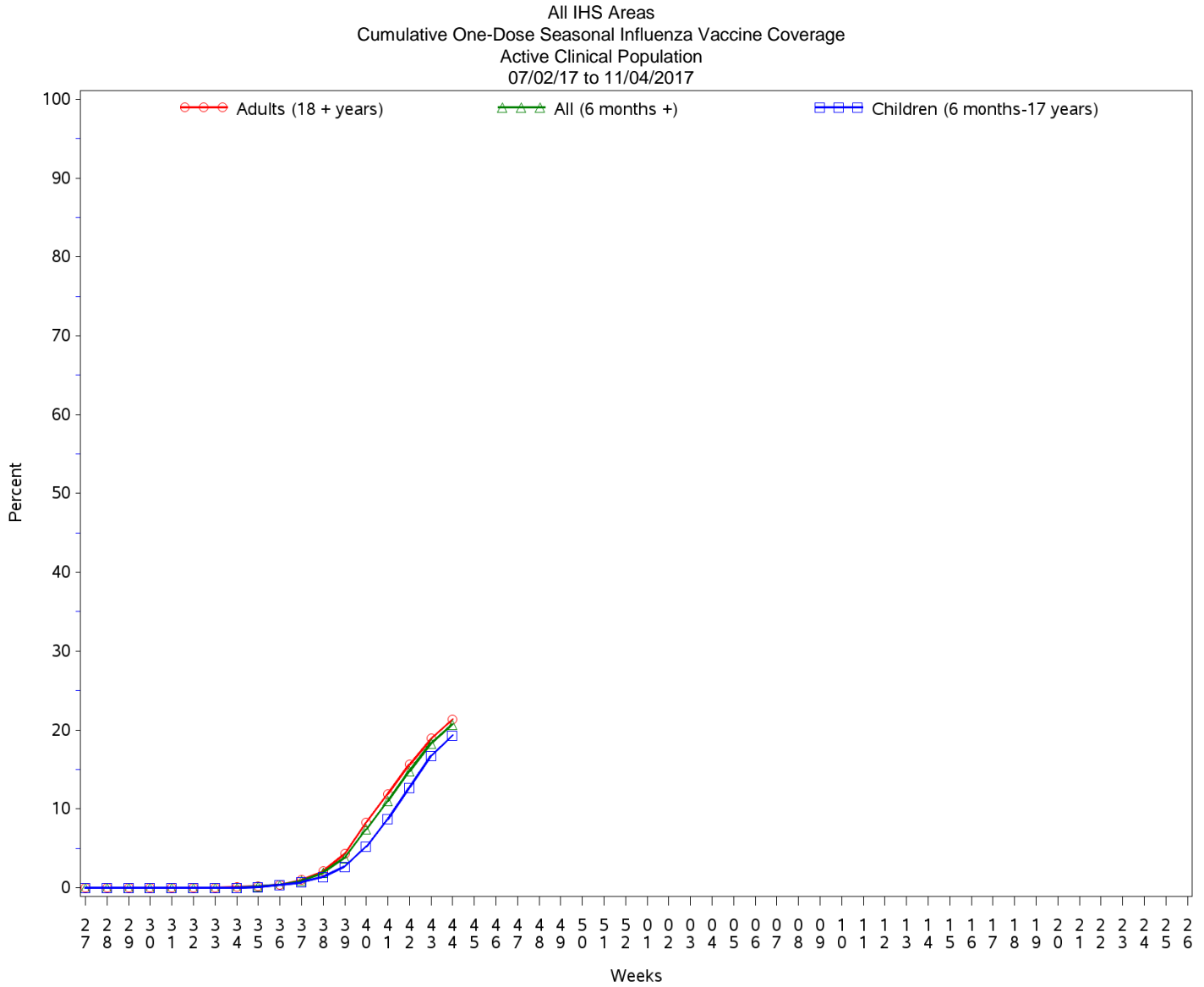
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 43	% in Week 44
NATIONAL	0.7	0.8
ALASKA	0.8	0.8
ALBUQUERQUE	0.5	0.6
BEMIDJI	0.7	0.5
BILLINGS	0.7	0.5
CALIFORNIA	0.4	0.3
GREAT PLAINS	0.8	0.8
NASHVILLE	1.6	1.5
NAVAJO	0.6	0.9
OKLAHOMA	0.4	0.3
PHOENIX	1.3	1.4
PORTLAND	0.5	0.6
TUCSON	0.3	0.4

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

IHS Influenza Vaccination Surveillance

- As of 11/04/2017, sites reporting to the IIAS have administered 195,906 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	4,295	19	0.4	0	0.0	19
6 - 23 months	20,791	5,150	24.8	194	0.9	5,352
2 - 4 years	51,502	7,777	15.1	32	0.1	7,821
5 - 17 years	196,064	38,872	19.8	129	0.1	39,079
18 - 49 years	401,330	62,958	15.7	275	0.1	63,393
50 - 64 years	169,091	45,110	26.7	180	0.1	45,410
65 + years	100,035	34,486	34.5	173	0.2	34,851
Children (6 months-17 years)	268,357	51,799	19.3	355	0.1	52,252
Adults (18 + years)	670,456	142,554	21.3	628	0.1	143,654
All (6 months +)	938,813	194,353	20.7	983	0.1	195,906

* 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	244	2	59	0	3,226	0	826	202	2	0	29	0	0	0	0	25	4,638
ALB	0	141	1,285	35	730	0	6,630	11	5,133	377	633	1	4	33	5	0	0	34	15,052
BEM	1	77	330	4	291	0	3,035	1	3,555	147	3	0	1	32	0	0	0	35	7,512
BIL	0	52	1,060	4	94	0	6,698	2	1,490	172	119	0	121	189	1	0	0	51	10,053
CAO	0	332	1,198	31	960	0	4,095	1	2,715	203	27	0	457	0	0	0	0	138	10,157
GPA	1	208	1,185	2	844	1	11,561	4	6,400	953	2	3	71	19	3	0	0	67	21,324
NSA	0	96	287	13	287	0	3,258	2	4,024	130	302	1	75	8	1	0	0	123	8,607
NAV	5	168	1,363	7	1,198	0	15,511	6	28,617	902	359	1	8	32	11	0	0	104	48,292
OKC	4	1,328	2,252	4	1,641	1	7,156	7	14,727	1,065	345	0	668	11	31	0	0	41	29,281
PHX	0	559	1,344	2	348	0	11,839	10	8,114	329	3	2	10	4	0	0	0	77	22,641
POR	3	221	1,126	209	355	0	5,134	15	5,794	315	675	50	596	155	1	0	0	124	14,773
TUC	0	26	16	11	0	0	3,696	0	65	13	0	0	0	0	0	0	0	23	3,850
	15	3,230	11,690	324	6,807	2	81,839	59	81,460	4,808	2,470	58	2,040	483	53	0	0	842	196,180

* 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.

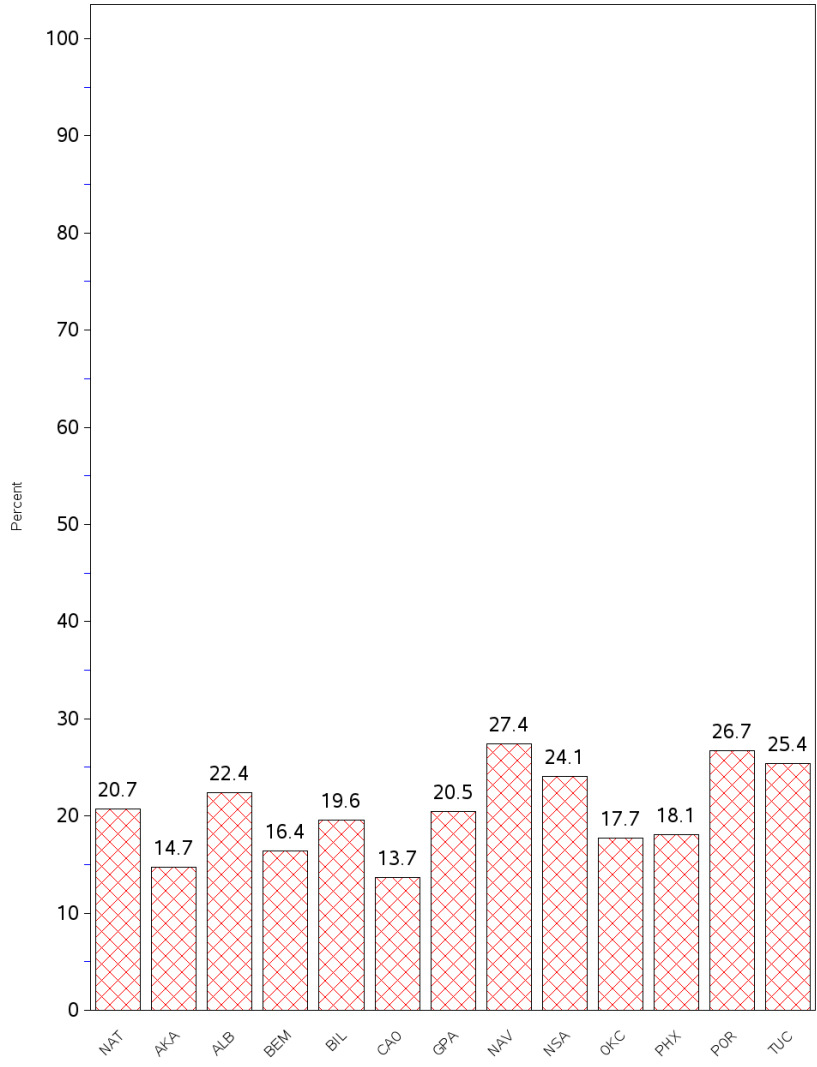
Doses are NOT deduplicated.

** 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 11/04/2017



- 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	154	306
ALASKA	5	53
ALBUQUERQUE	12	20
BEMIDJI	6	12
BILLINGS	11	23
CALIFORNIA	20	36
GREAT PLAINS	17	34
NASHVILLE	20	25
NAVAJO	8	22
OKLAHOMA	19	28
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.