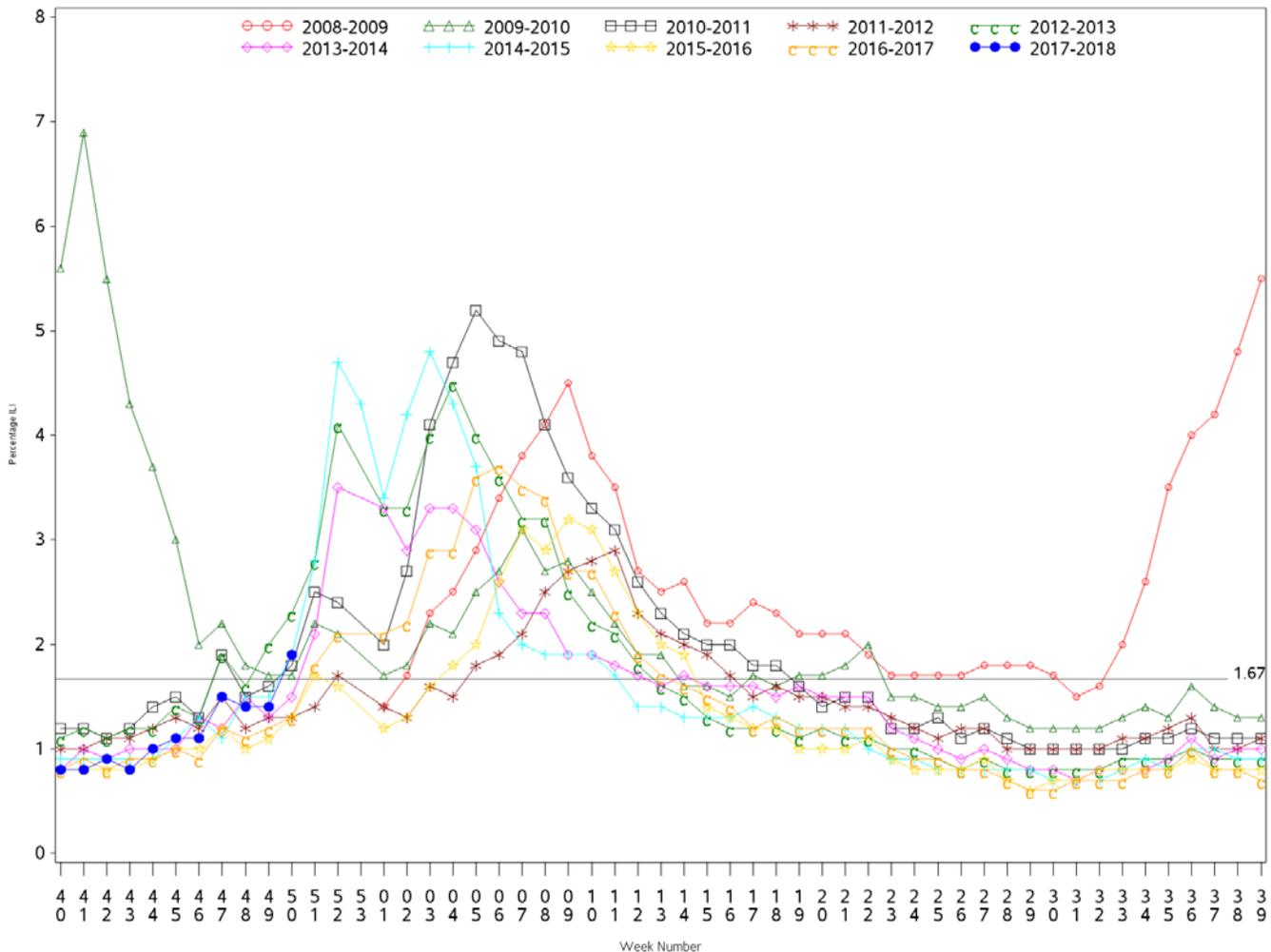




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 50: 12/10/2017 – 12/16/2017)

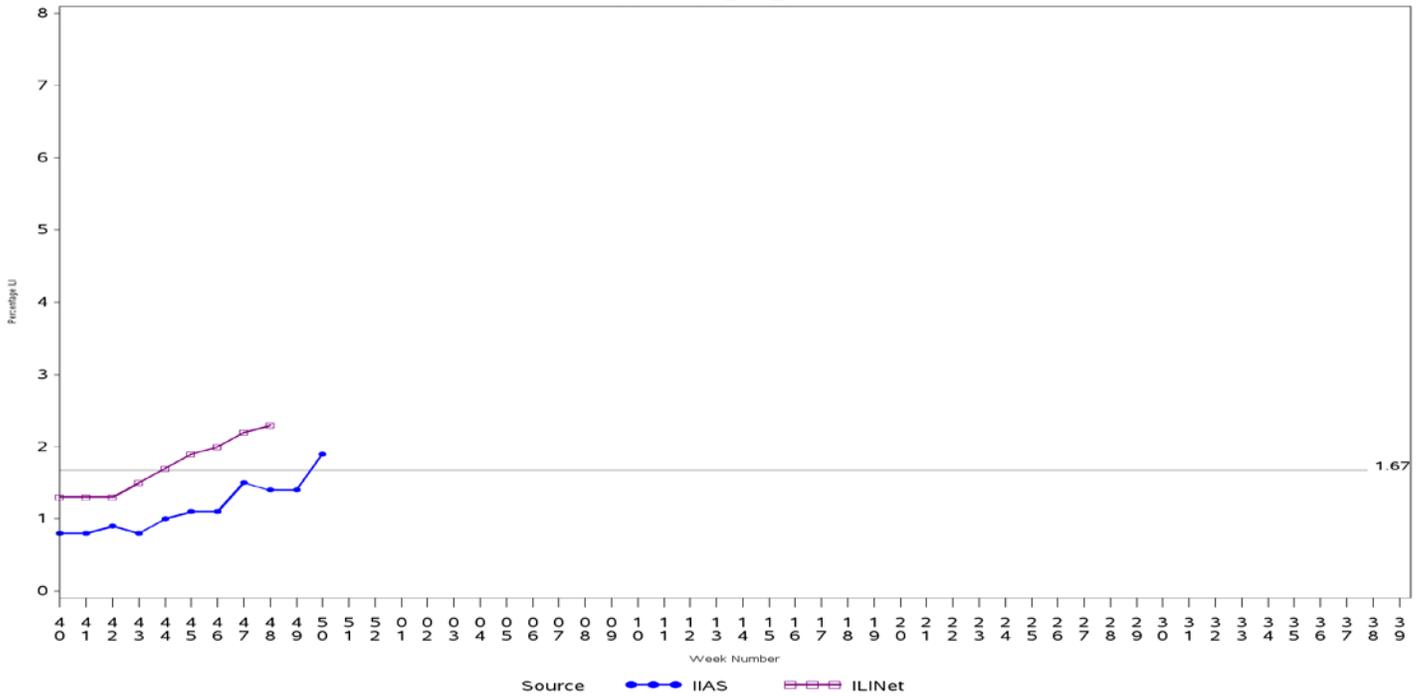
- Influenza-like-illness (ILI) activity in IHS is increasing and is at 1.9%, above the IHS baseline of 1.67%
 - Nine IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is increasing in a majority of US states
 - CDC's ILINet ILI activity is 2.7%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 266,000 doses of influenza vaccine.
- Overall, 28.1% 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 12/16/2017



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 12/16/2017



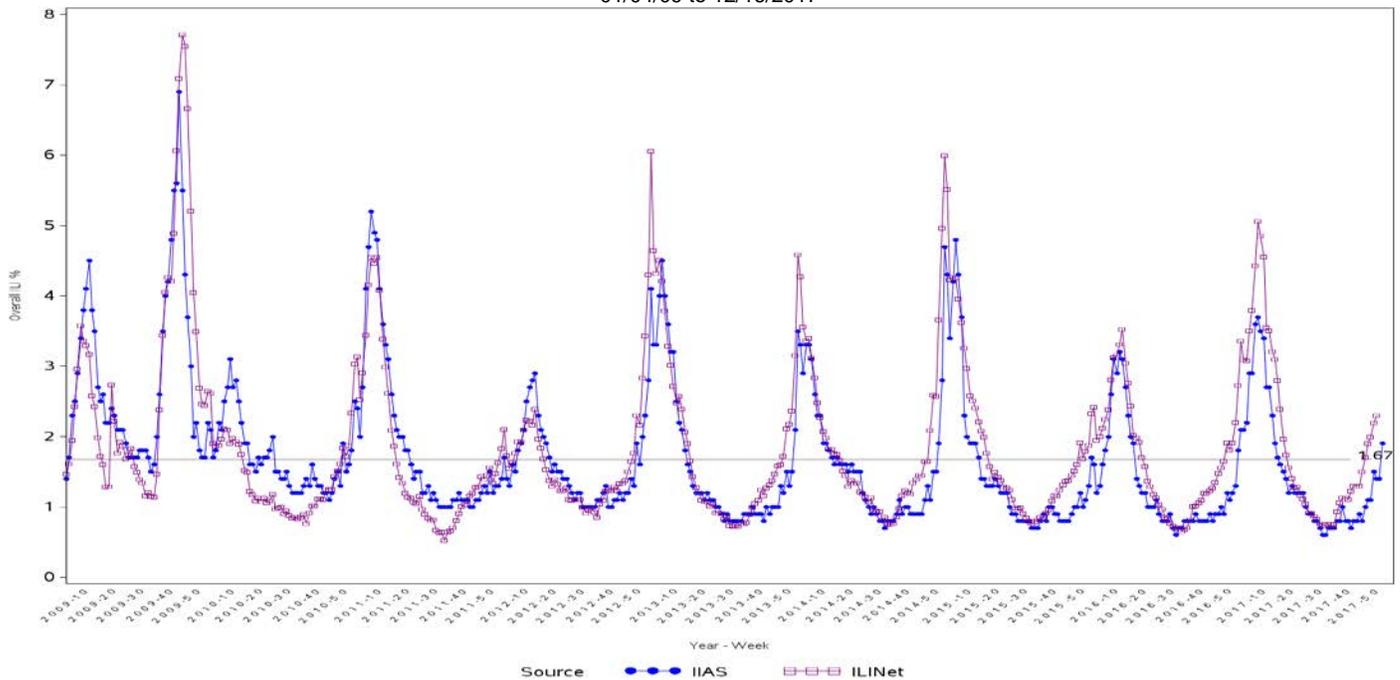
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 12/16/2017



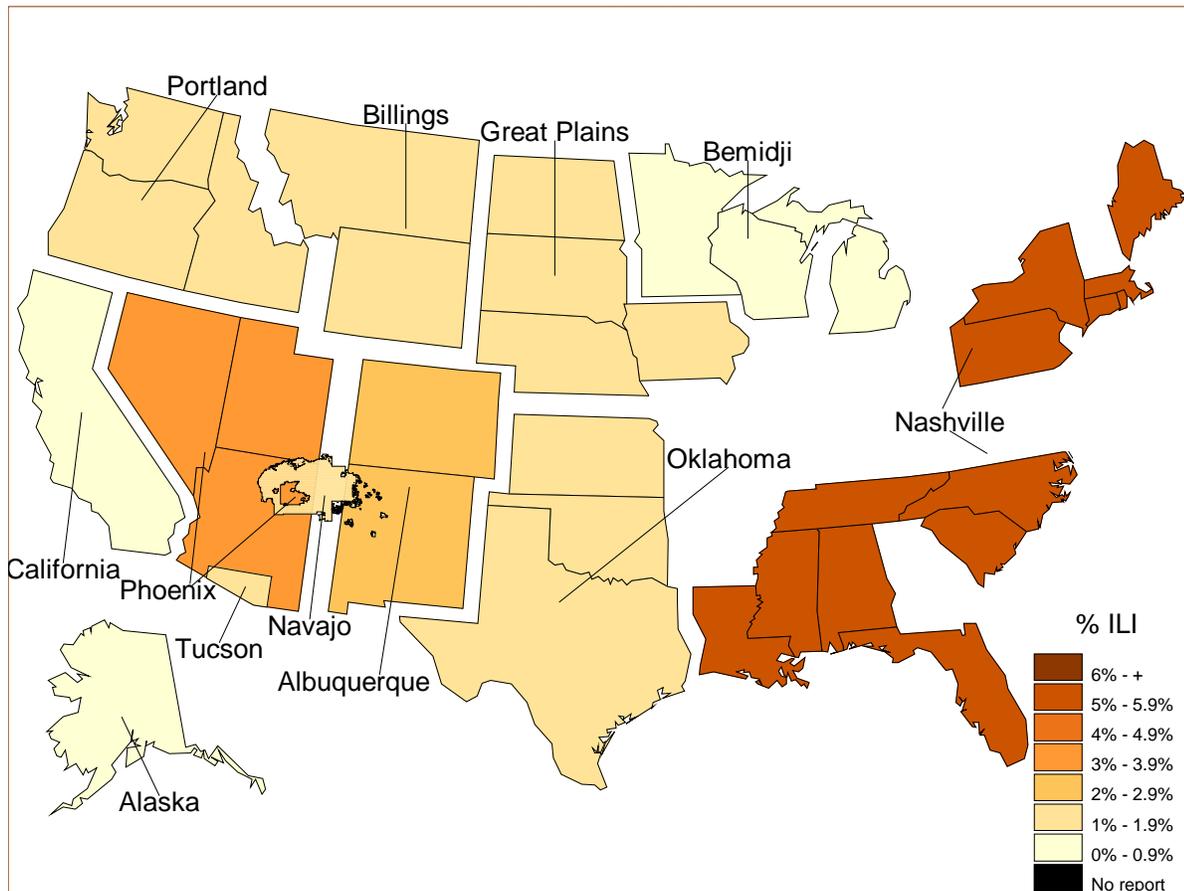
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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: 50



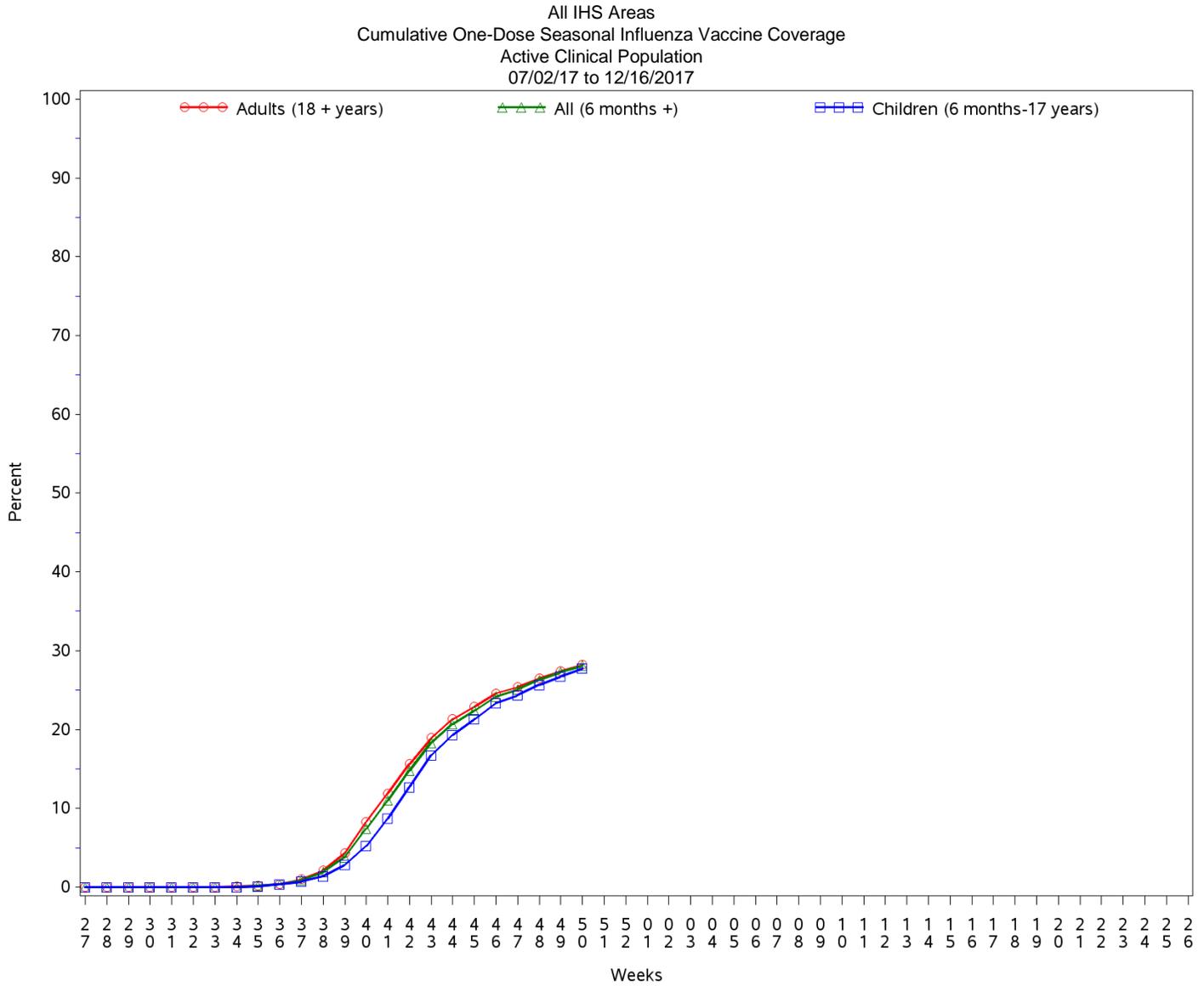
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 49	% in Week 50
NATIONAL	1.4	1.9
ALASKA	1.2	0.8
ALBUQUERQUE	1.9	2.7
BEMIDJI	0.9	0.6
BILLINGS	1.6	1.6
CALIFORNIA	0.5	0.5
GREAT PLAINS	1.4	1.3
NASHVILLE	3.9	5.3
NAVAJO	1.6	1.5
OKLAHOMA	1.0	1.4
PHOENIX	2.0	3.3
PORTLAND	0.4	1.0
TUCSON	0.8	1.0

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

IHS Influenza Vaccination Surveillance

- As of 12/16/2017, sites reporting to the IIAS have administered 266,950 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	4,338	35	0.8	0	0.0	35
6 - 23 months	20,636	8,308	40.3	1,218	5.9	9,540
2 - 4 years	51,338	11,999	23.4	186	0.4	12,204
5 - 17 years	196,148	54,159	27.6	231	0.1	54,519
18 - 49 years	401,010	85,280	21.3	374	0.1	85,923
50 - 64 years	169,208	59,331	35.1	250	0.1	59,766
65 + years	100,503	44,481	44.3	262	0.3	44,998
Children (6 months-17 years)	268,122	74,466	27.8	1,635	0.6	76,263
Adults (18 + years)	670,721	189,092	28.2	886	0.1	190,687
All (6 months +)	938,843	263,558	28.1	2,521	0.3	266,950

* 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-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 V04.81 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	1	23	343	3	70	0	3,996	0	1,045	353	2	0	43	0	0	0	0	35	5,914
ALB	0	164	1,695	39	892	0	9,826	14	7,288	756	892	1	6	42	6	0	0	52	21,673
BEM	1	85	366	5	309	0	3,880	1	4,228	202	6	0	3	35	0	0	0	45	9,166
BIL	0	56	1,346	4	127	0	9,403	2	2,245	261	125	0	130	251	1	0	0	77	14,028
CAO	1	349	1,497	37	1,216	0	5,965	1	3,596	308	60	0	594	0	0	0	0	167	13,791
GPA	1	236	1,405	5	1,003	1	14,827	5	8,751	1,437	3	3	136	22	6	0	0	89	27,930
NSA	1	100	330	19	345	0	4,112	4	4,983	250	412	1	81	13	2	0	0	175	10,828
NAV	5	213	1,867	12	1,374	0	21,903	7	39,201	1,631	557	1	11	48	17	0	0	132	66,979
OKC	6	1,456	2,946	4	1,895	2	9,611	10	20,395	1,956	411	0	1,499	12	32	0	0	58	40,293
PHX	0	662	1,621	2	386	0	17,208	12	10,840	456	3	2	10	5	0	0	0	110	31,317
POR	4	246	1,361	282	399	0	6,670	20	7,572	512	836	64	818	240	11	0	0	138	19,173
TUC	0	27	25	16	1	0	6,105	0	70	27	0	0	0	0	0	0	0	28	6,299
	20	3,617	14,802	428	8,017	3	113,506	76	110,214	8,149	3,307	72	3,331	668	75	0	0	1,106	267,391

* 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.

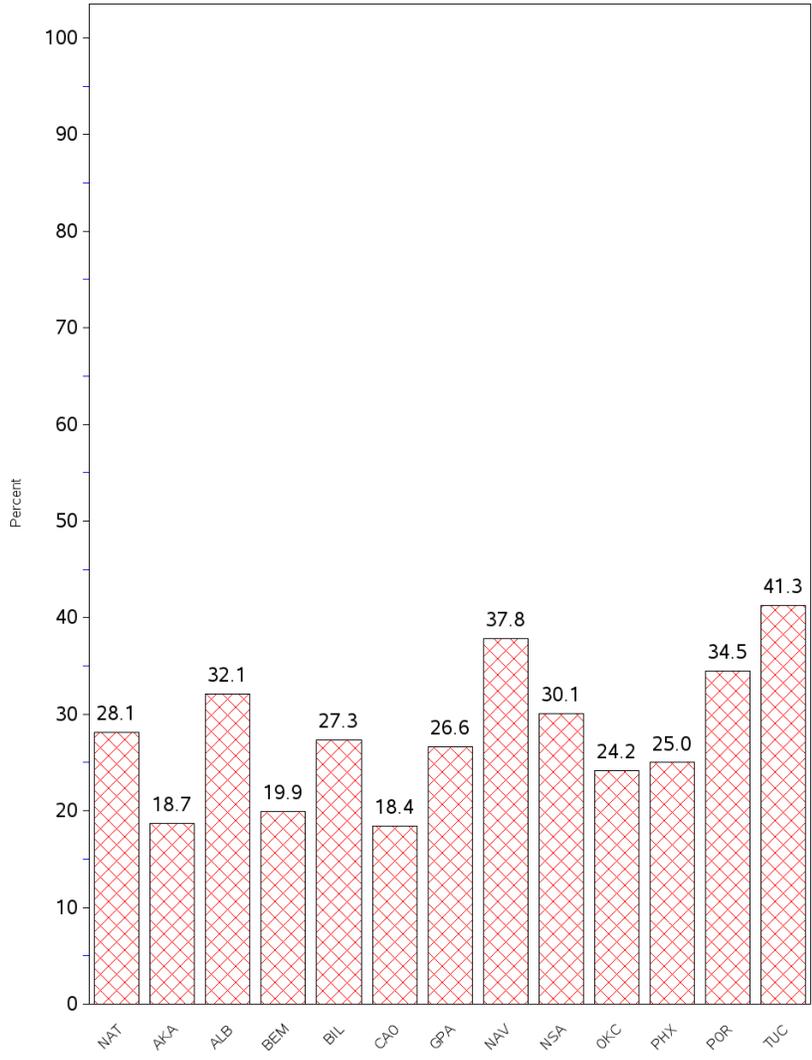
Doses are NOT deduplicated.

** 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 12/16/2017



- 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	152	294
ALASKA	5	51
ALBUQUERQUE	12	20
BEMIDJI	6	12
BILLINGS	11	22
CALIFORNIA	20	36
GREAT PLAINS	17	34
NASHVILLE	19	23
NAVAJO	8	23
OKLAHOMA	18	22
PHOENIX	14	22
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.