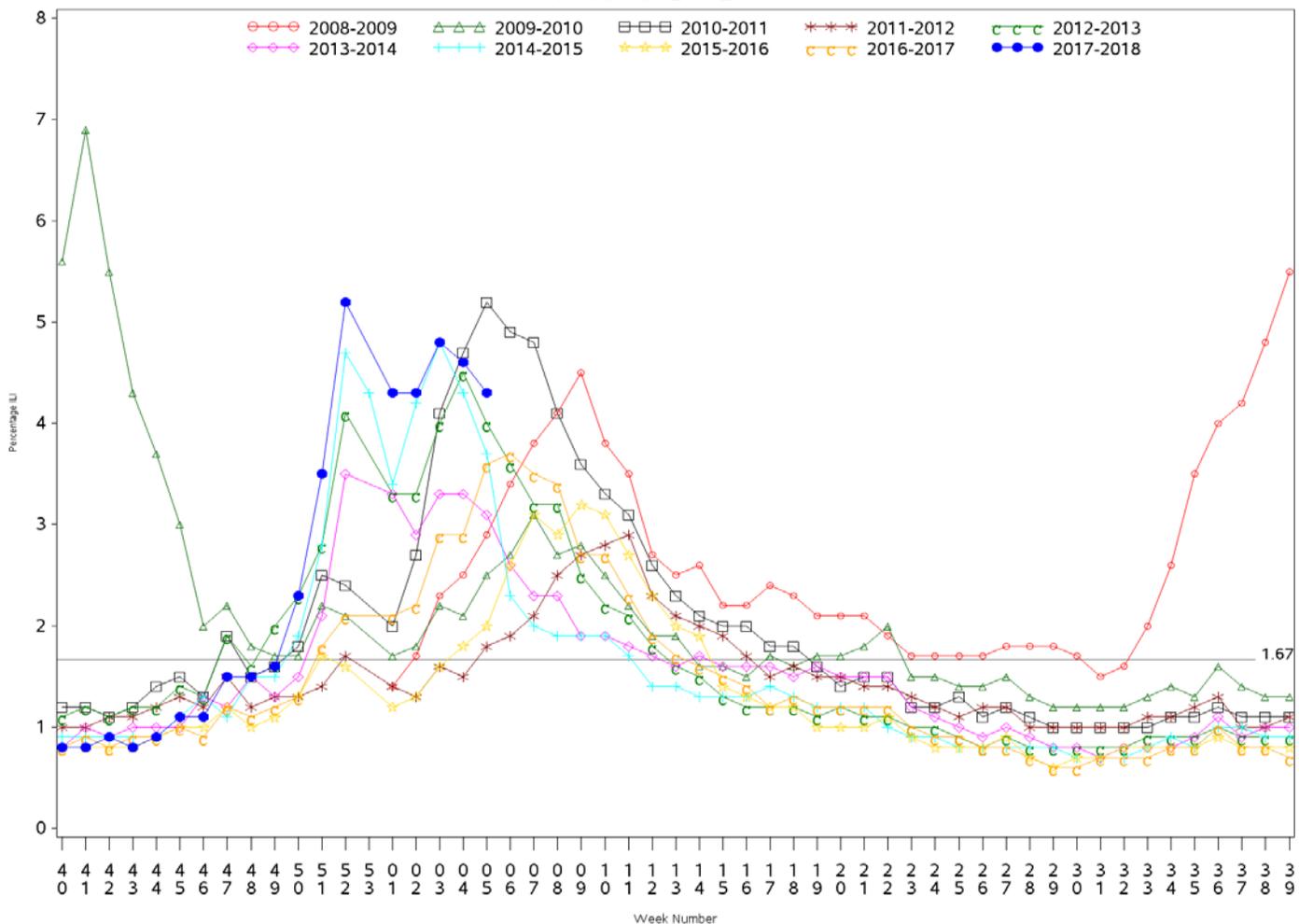




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 05: 01/28/2018 – 02/03/2018)

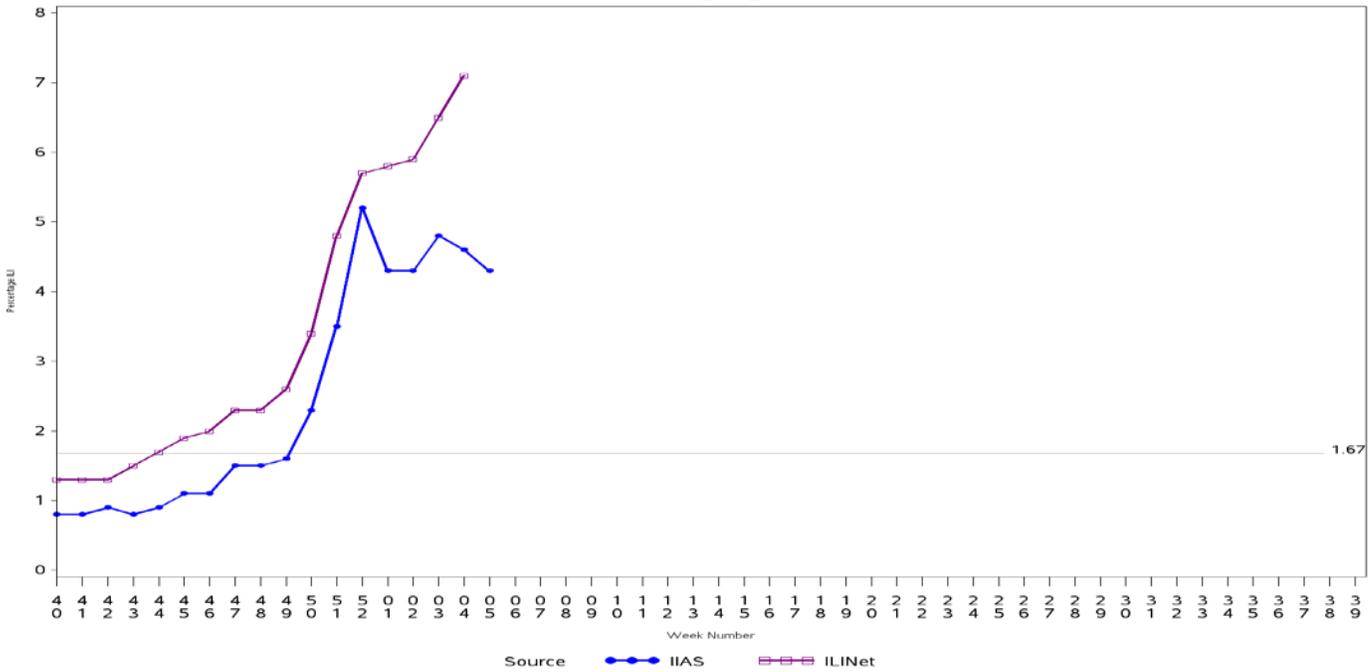
- Influenza-like-illness (ILI) activity in IHS is decreasing but remains elevated at 4.3%, above the IHS baseline of 1.67%
 - Eleven IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is elevated and increasing in a majority of US states
 - CDC's ILINet ILI activity is 7.1%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 321,000 doses of influenza vaccine.
- Overall, 33.4% 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 02/03/2018



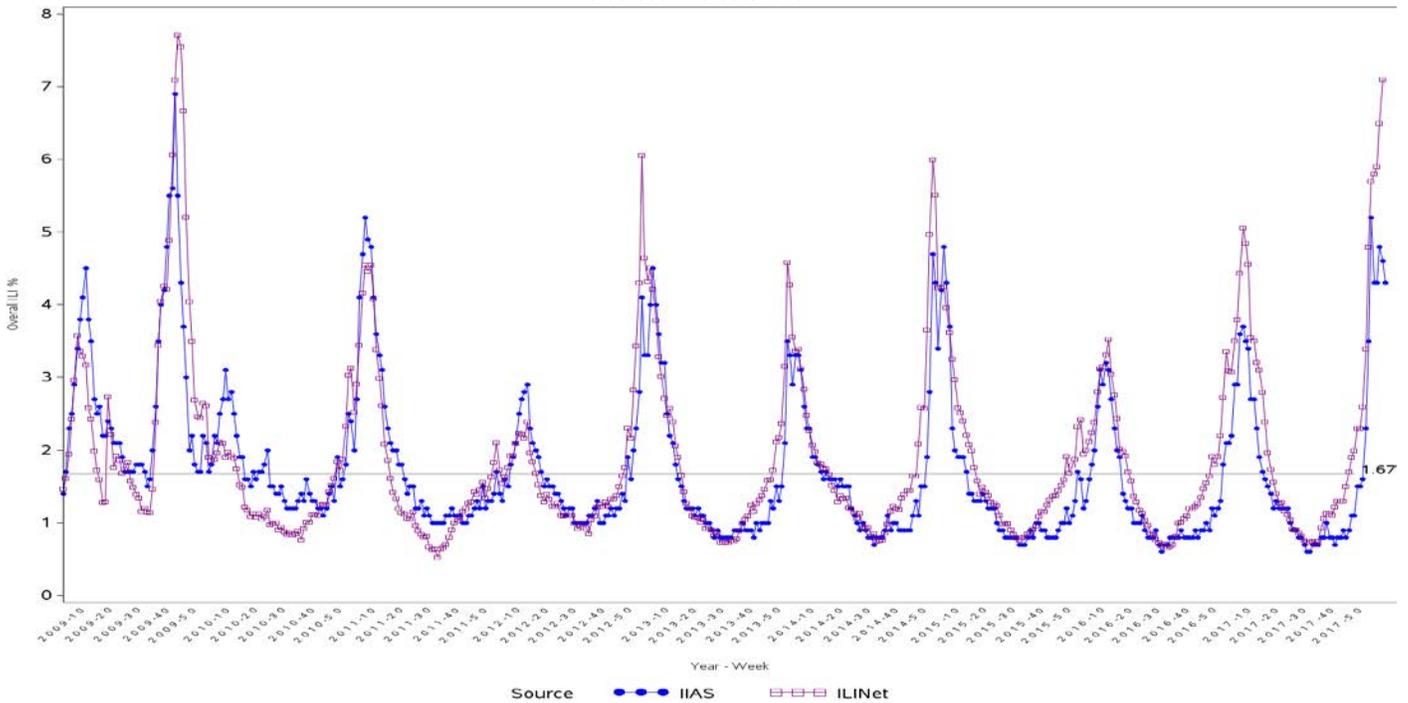
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 02/03/2018



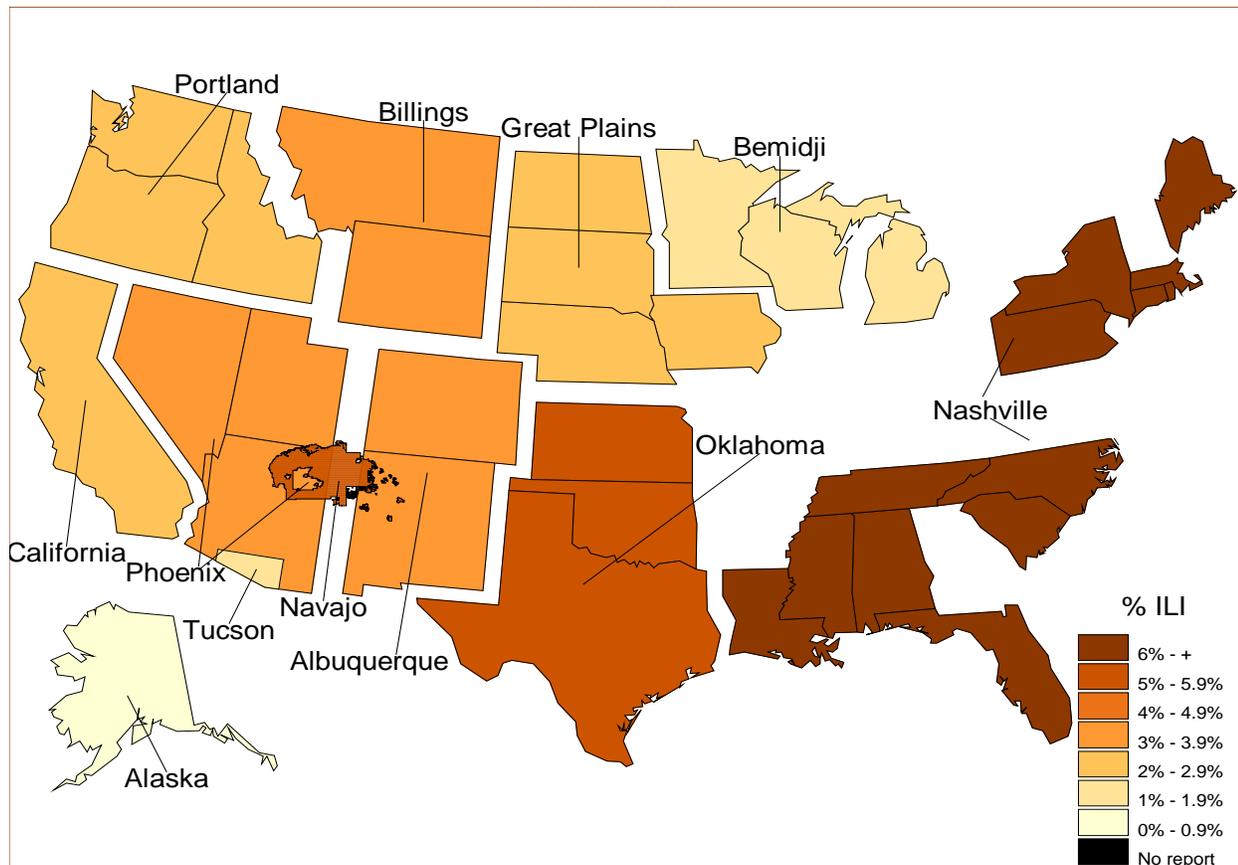
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 02/03/2018



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: 05



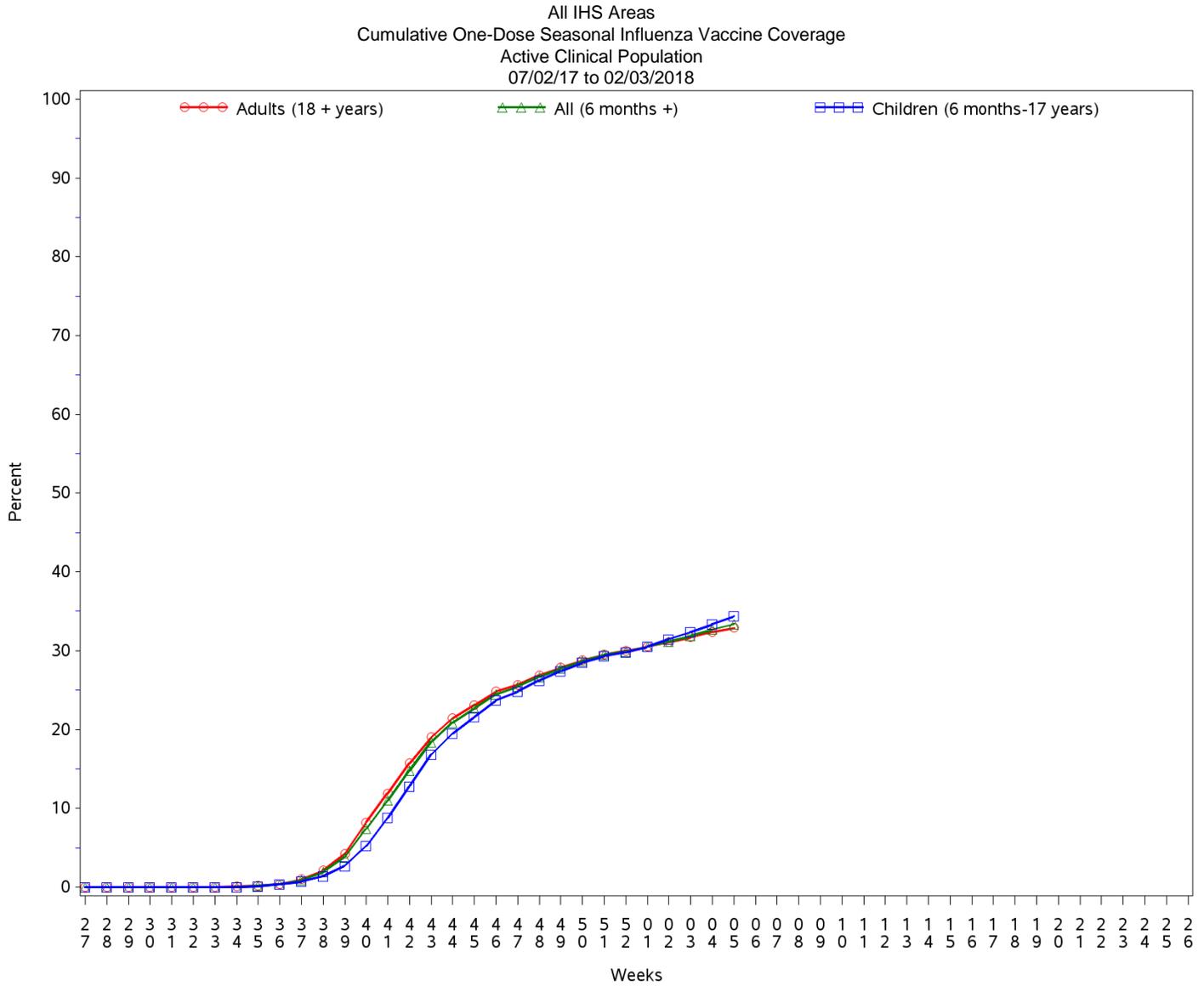
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 04	% in Week 05
NATIONAL	4.6	4.3
ALASKA	1.1	0.8
ALBUQUERQUE	4.4	3.4
BEMIDJI	2.1	1.1
BILLINGS	2.3	3.4
CALIFORNIA	2.0	2.1
GREAT PLAINS	2.6	2.8
NASHVILLE	9.3	8.9
NAVAJO	5.7	5.5
OKLAHOMA	6.2	5.7
PHOENIX	4.2	3.8
PORTLAND	2.8	2.1
TUCSON	1.3	1.8

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

IHS Influenza Vaccination Surveillance

- As of 02/03/2018, sites reporting to the IIAS have administered 321,317 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	4,275	51	1.2	0	0.0	51
6 - 23 months	20,599	11,055	53.7	2,825	13.7	13,906
2 - 4 years	51,408	15,597	30.3	472	0.9	16,099
5 - 17 years	196,974	65,885	33.4	360	0.2	66,406
18 - 49 years	403,601	103,148	25.6	555	0.1	104,022
50 - 64 years	170,714	69,251	40.6	357	0.2	69,845
65 + years	102,100	50,408	49.4	344	0.3	51,039
Children (6 months-17 years)	268,981	92,537	34.4	3,657	1.4	96,411
Adults (18 + years)	676,415	222,807	32.9	1,256	0.2	224,906
All (6 months +)	945,396	315,344	33.4	4,913	0.5	321,317

* 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	34	398	5	91	0	4,756	0	1,114	500	2	0	47	0	0	0	0	43	6,991
ALB	0	201	1,875	42	1,162	0	12,072	17	8,530	955	1,094	2	9	47	52	0	0	65	26,123
BEM	1	117	397	9	398	0	5,165	1	4,743	294	6	14	8	39	0	0	0	53	11,245
BIL	0	73	1,480	4	145	0	11,548	5	2,792	387	129	0	135	259	2	0	0	89	17,048
CAO	3	405	1,744	58	1,491	0	7,426	2	4,522	421	97	0	680	0	1	0	0	190	17,040
GPA	1	358	1,522	7	1,265	1	17,169	14	10,342	1,898	4	3	234	39	9	0	0	101	32,967
NSA	1	124	351	20	413	0	4,720	5	5,604	336	483	1	85	16	4	0	0	201	12,364
NAV	9	330	2,118	19	1,628	1	27,262	11	46,288	2,299	716	0	20	64	20	0	0	167	80,952
OKC	7	2,690	3,190	7	2,604	2	11,431	15	23,530	2,818	455	1	2,076	17	32	0	0	74	48,949
PHX	0	875	1,772	2	451	0	21,085	13	12,787	691	4	2	13	13	3	0	0	127	37,838
POR	7	317	1,509	330	457	0	8,132	20	8,797	656	939	70	956	322	17	0	0	177	22,706
TUC	0	34	37	22	1	0	7,497	0	87	32	0	0	0	0	0	0	0	41	7,751
	30	5,558	16,393	525	10,106	4	138,263	103	129,136	11,287	3,929	93	4,263	816	140	0	0	1,328	321,974

* 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.

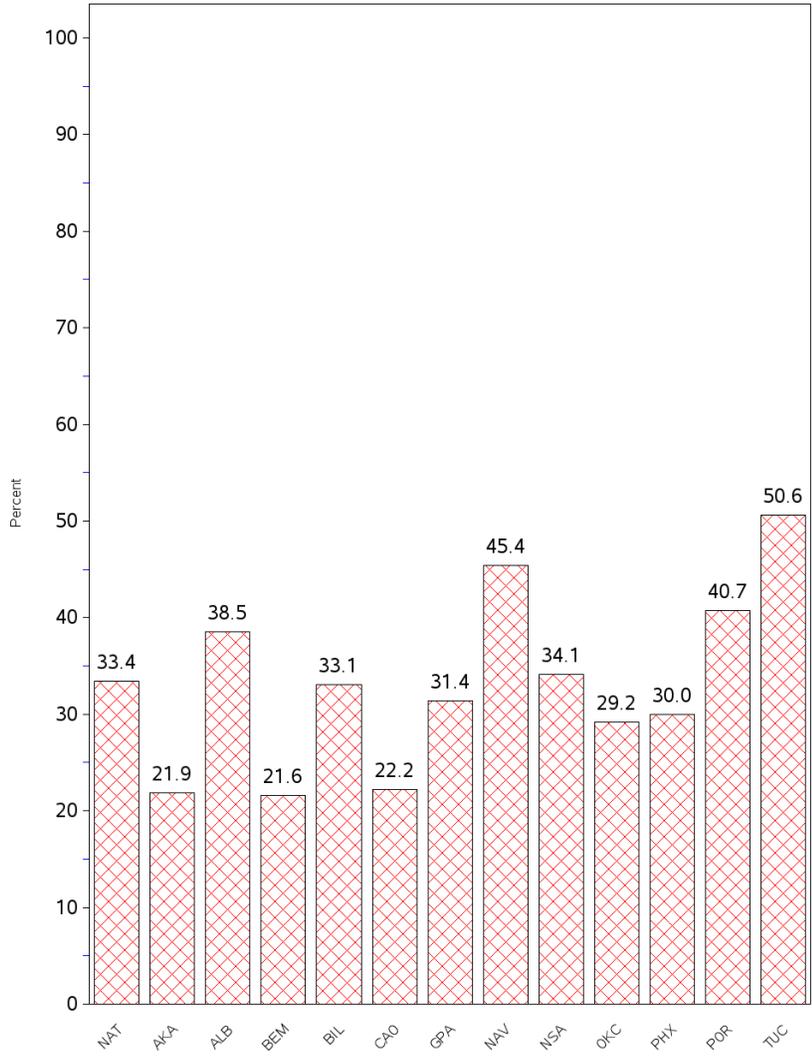
Doses are NOT deduplicated.

** 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 02/03/2018



- 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	144	270
ALASKA	5	48
ALBUQUERQUE	12	19
BEMIDJI	3	6
BILLINGS	12	21
CALIFORNIA	19	29
GREAT PLAINS	15	30
NASHVILLE	19	23
NAVAJO	8	22
OKLAHOMA	19	26
PHOENIX	12	21
PORTLAND	19	21
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.