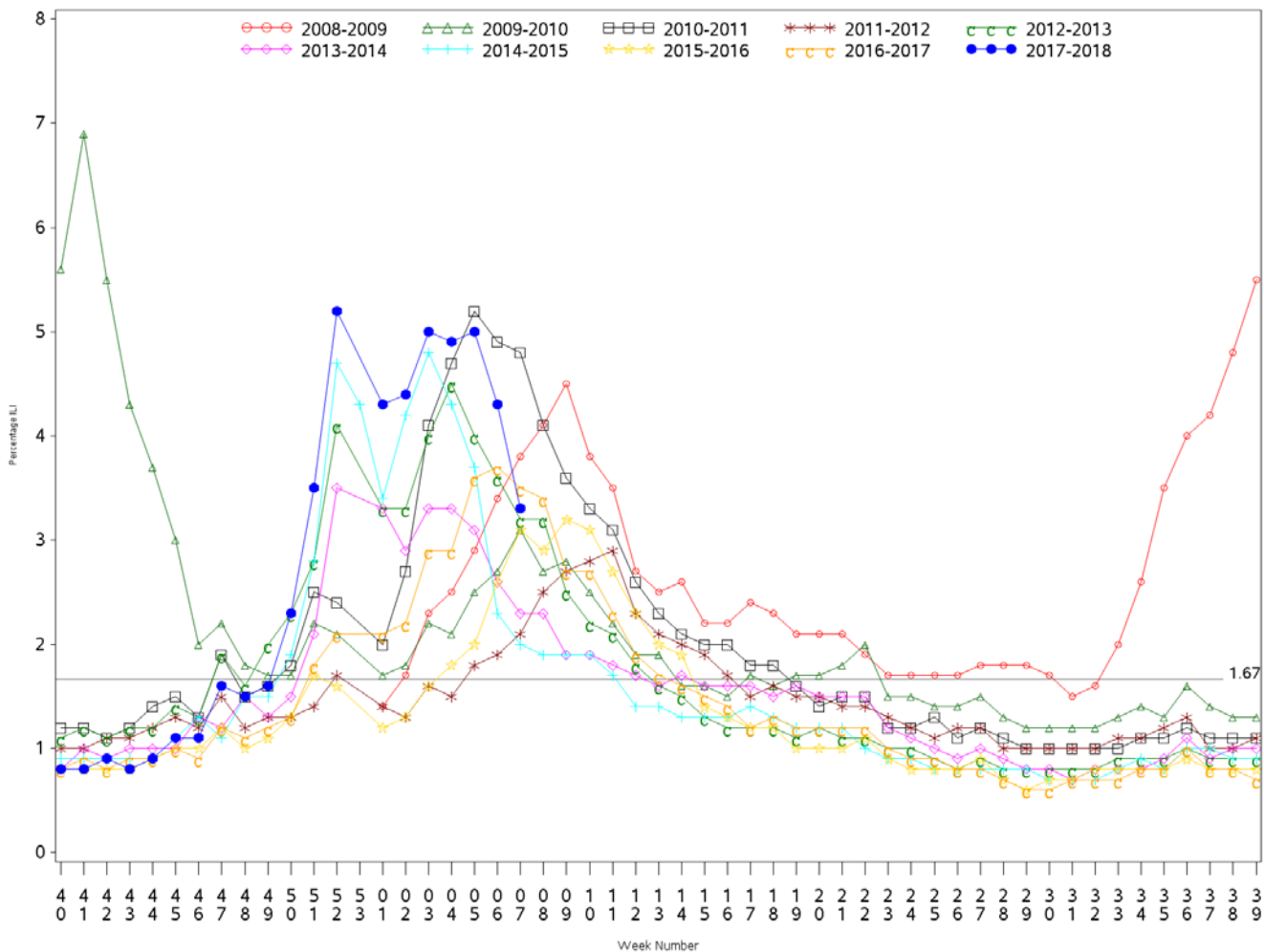




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 07: 02/11/2018 – 02/17/2018)

- Influenza-like-illness (ILI) activity in IHS is decreasing but remains elevated at 3.3%, above the IHS baseline of 1.67%
 - Eleven IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC remains elevated with high ILI activity reported in a majority of US states
 - CDC's ILINet ILI activity is 7.5%, down slightly from 7.7% reported in week 5, and remains above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 332,000 doses of influenza vaccine.
- Overall, 34.5% of the IHS Active Clinical population received an influenza vaccine this season.

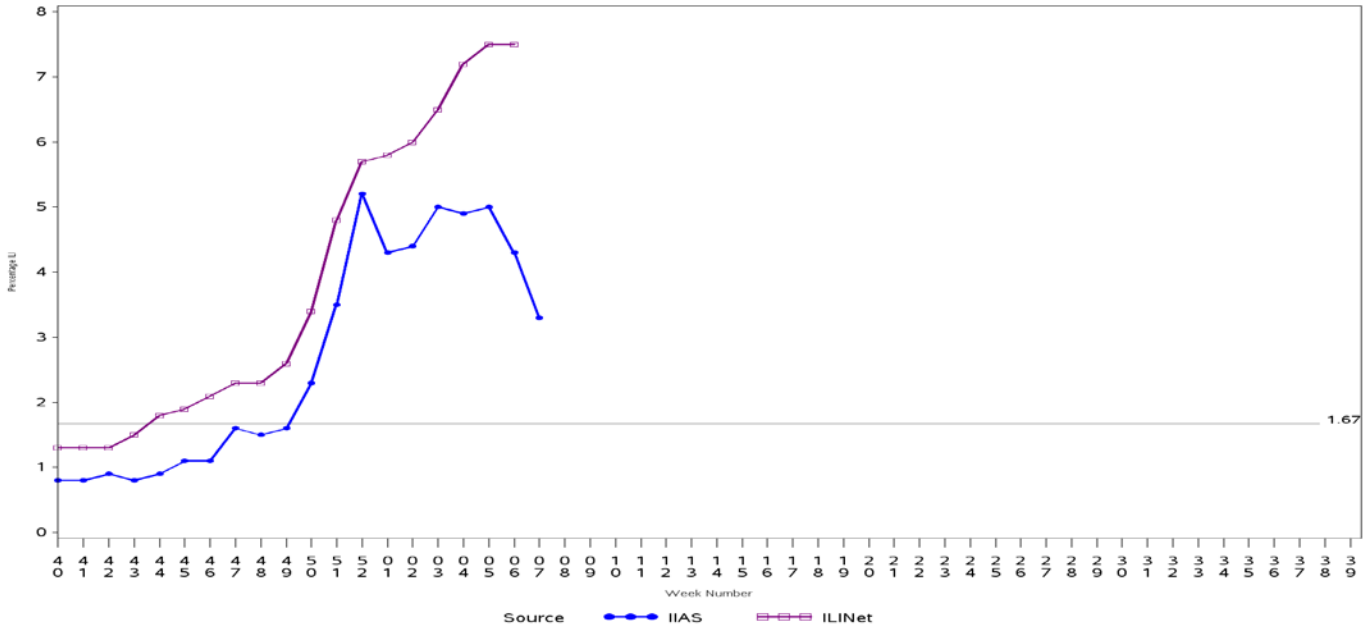
All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 02/17/2018



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 02/17/2018



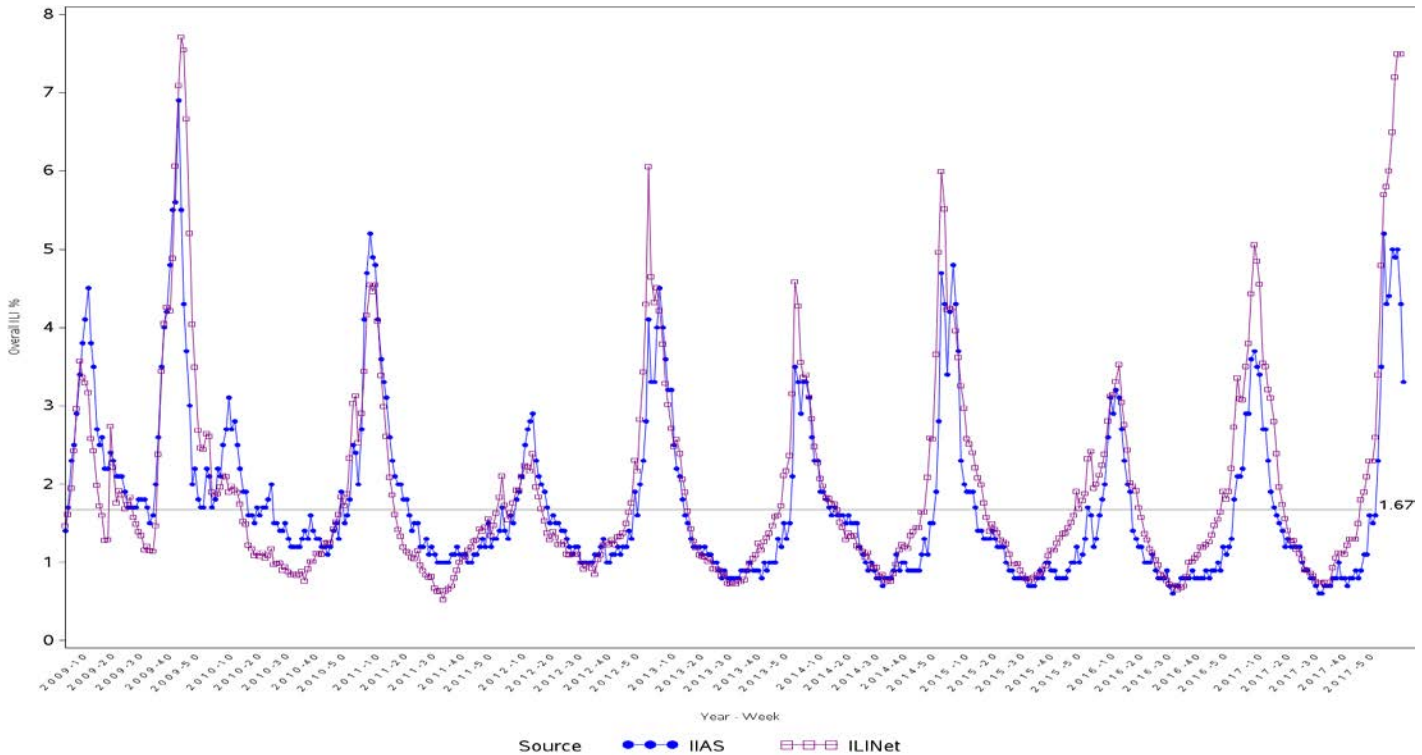
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 02/17/2018

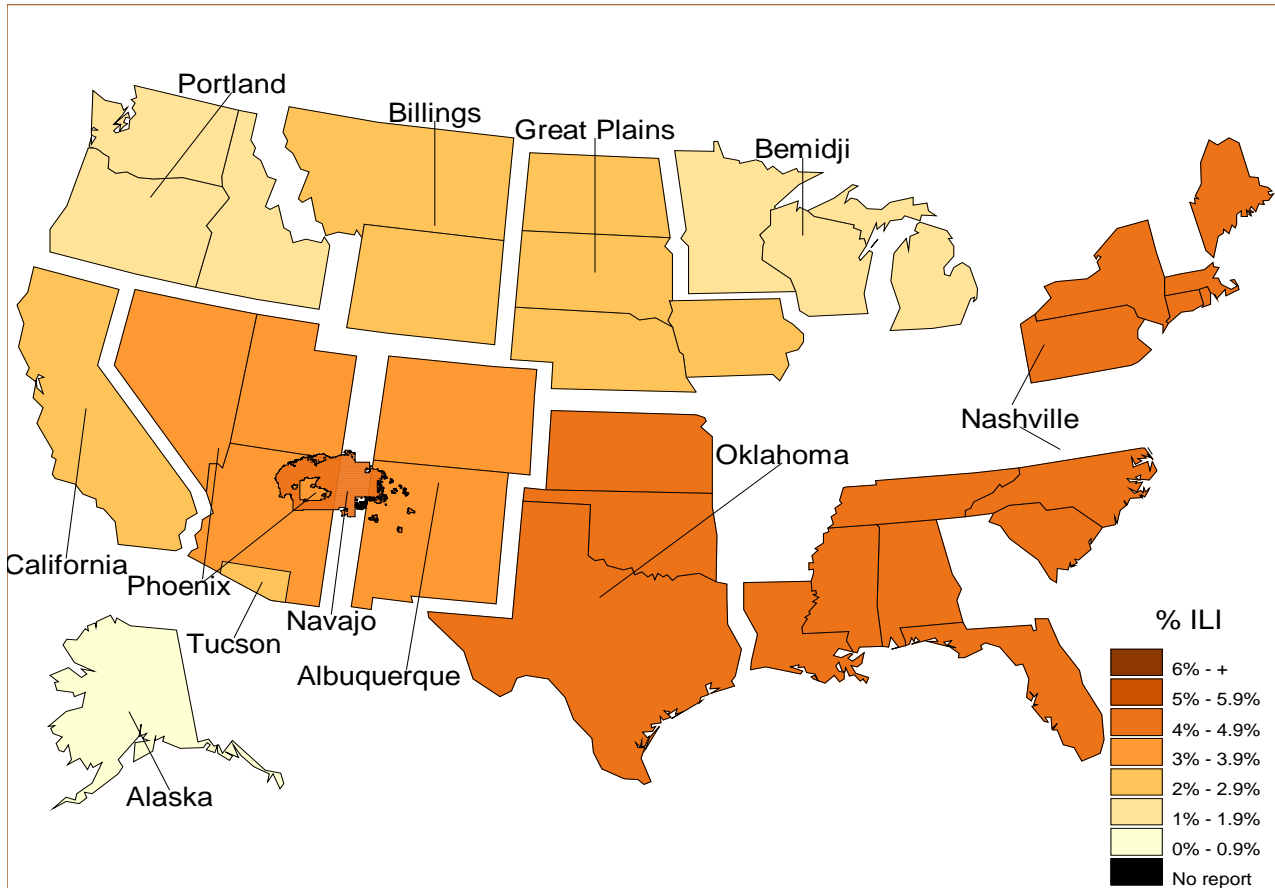


Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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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: 07



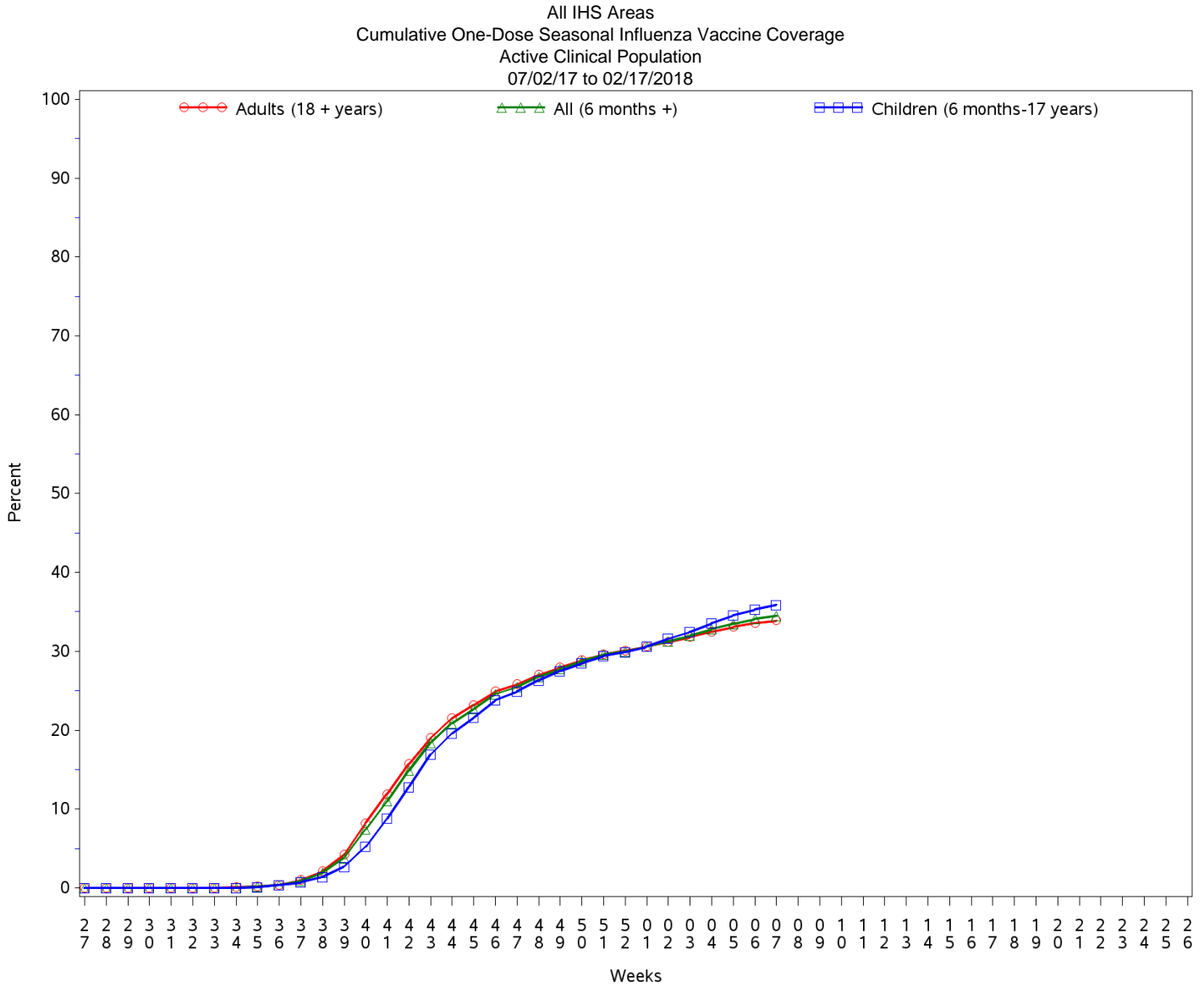
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 06	% in Week 07
NATIONAL	4.3	3.3
ALASKA	1.2	0.9
ALBUQUERQUE	3.8	3.1
BEMIDJI	1.3	1.0
BILLINGS	3.8	2.7
CALIFORNIA	2.5	2.0
GREAT PLAINS	2.3	2.2
NASHVILLE	8.1	4.8
NAVAJO	5.9	4.1
OKLAHOMA	5.1	4.0
PHOENIX	4.2	3.7
PORTLAND	2.1	1.8
TUCSON	2.1	2.3

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

IHS Influenza Vaccination Surveillance

- As of 02/17/2018, sites reporting to the IIAS have administered 332,456 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	53	1.2	0	0.0	53
6 - 23 months	20,599	11,694	56.8	3,232	15.7	14,956
2 - 4 years	51,408	16,395	31.9	544	1.1	16,971
5 - 17 years	196,974	68,509	34.8	388	0.2	69,083
18 - 49 years	403,601	106,699	26.4	583	0.1	107,612
50 - 64 years	170,714	71,116	41.7	376	0.2	71,741
65 + years	102,100	51,436	50.4	360	0.4	52,093
Children (6 months-17 years)	268,981	96,598	35.9	4,164	1.5	101,010
Adults (18 + years)	676,415	229,251	33.9	1,319	0.2	231,446
All (6 months +)	945,396	325,849	34.5	5,483	0.6	332,456

* 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	36	412	5	99	0	4,990	0	1,120	535	2	0	48	0	0	0	0	40	7,288
ALB	1	211	1,902	42	1,198	0	12,714	17	8,883	1,014	1,130	2	9	48	88	0	0	67	27,326
BEM	1	119	420	9	405	0	5,529	4	4,837	306	6	14	8	39	0	0	0	54	11,751
BIL	0	75	1,492	4	149	0	12,003	5	2,915	407	132	0	135	259	2	0	0	90	17,668
CAO	6	419	1,773	61	1,538	0	7,707	2	4,694	442	96	0	680	0	1	0	0	203	17,622
GPA	1	369	1,544	8	1,338	1	17,627	17	10,736	2,022	4	3	244	39	9	0	0	101	34,063
NSA	2	126	355	20	427	0	4,907	5	5,793	345	504	1	88	17	4	0	0	219	12,813
NAV	9	349	2,159	20	1,665	1	28,201	11	48,099	2,431	747	0	21	63	21	0	0	170	83,967
OKC	7	2,803	3,216	7	2,706	2	11,754	15	23,896	2,936	467	1	2,185	18	32	0	0	78	50,123
PHX	0	918	1,793	15	466	0	21,852	13	13,086	744	4	2	12	18	3	0	0	133	39,059
POR	7	324	1,528	341	465	0	8,383	20	9,038	689	965	70	961	329	18	0	0	178	23,316
TUC	0	36	37	22	1	0	7,812	0	88	33	0	0	0	0	0	0	0	42	8,071
	35	5,785	16,631	554	10,457	4	143,479	109	133,185	11,904	4,057	93	4,391	830	178	0	0	1,375	333,067

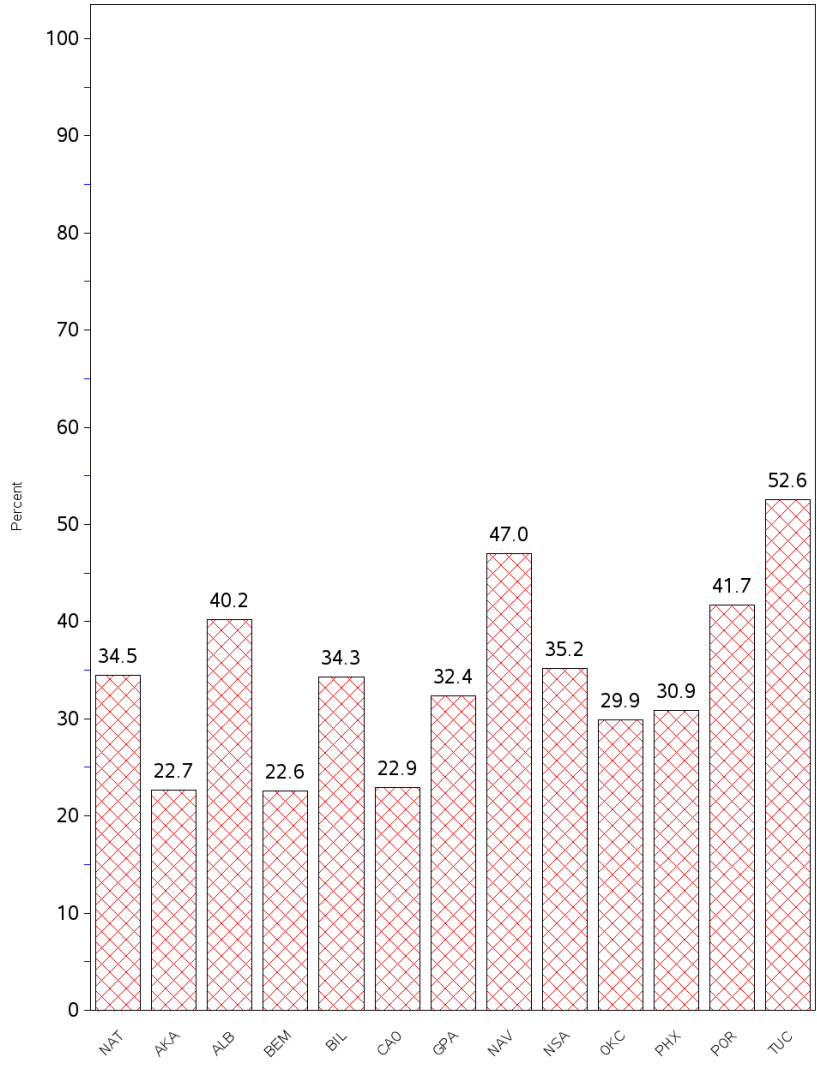
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 02/17/2018



- 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	142	270
ALASKA	5	49
ALBUQUERQUE	12	19
BEMIDJI	3	6
BILLINGS	12	23
CALIFORNIA	19	28
GREAT PLAINS	15	32
NASHVILLE	19	23
NAVAJO	8	23
OKLAHOMA	17	21
PHOENIX	12	20
PORTLAND	19	22
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.