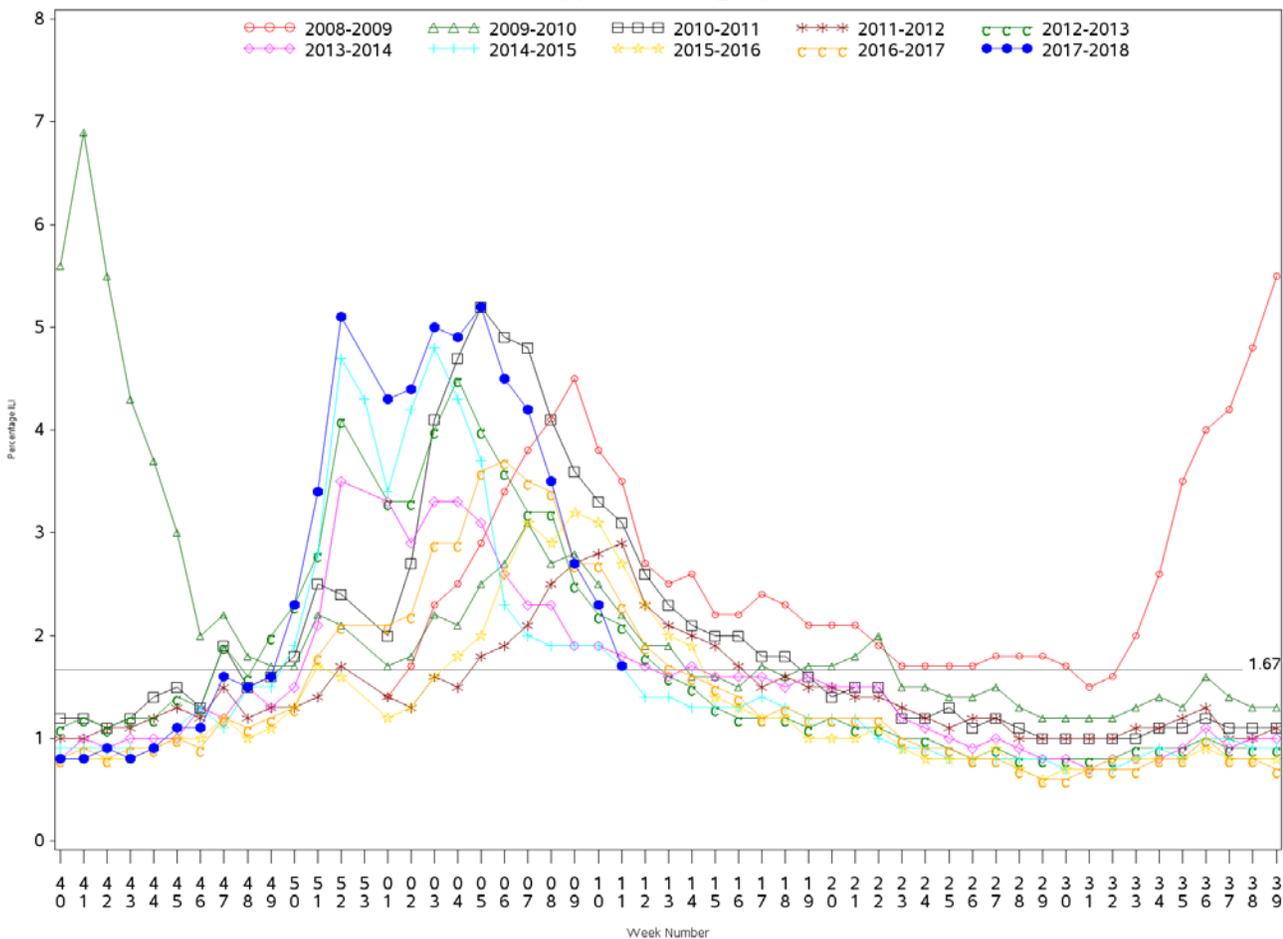




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 11: 03/11/2018 – 03/17/2018)

- Influenza-like-illness (ILI) activity in IHS is decreasing but remains slightly elevated at 1.7%, above the IHS baseline of 1.67%
 - Five IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC remains elevated in a few US states
 - CDC's ILINet ILI activity is 3.3%, down from 3.7% reported in week 9, and remains above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 345,000 doses of influenza vaccine.
- Overall, 35.7% of the IHS Active Clinical population received an influenza vaccine this season.

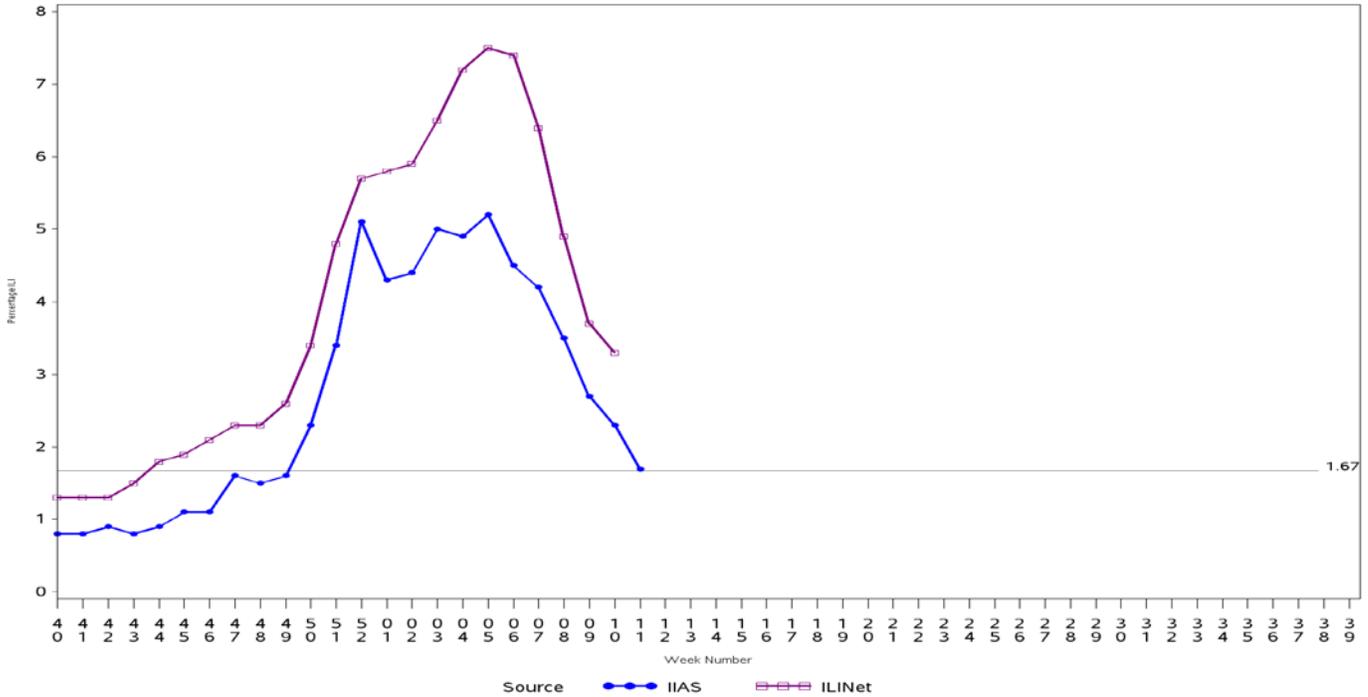
All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 03/17/2018



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.

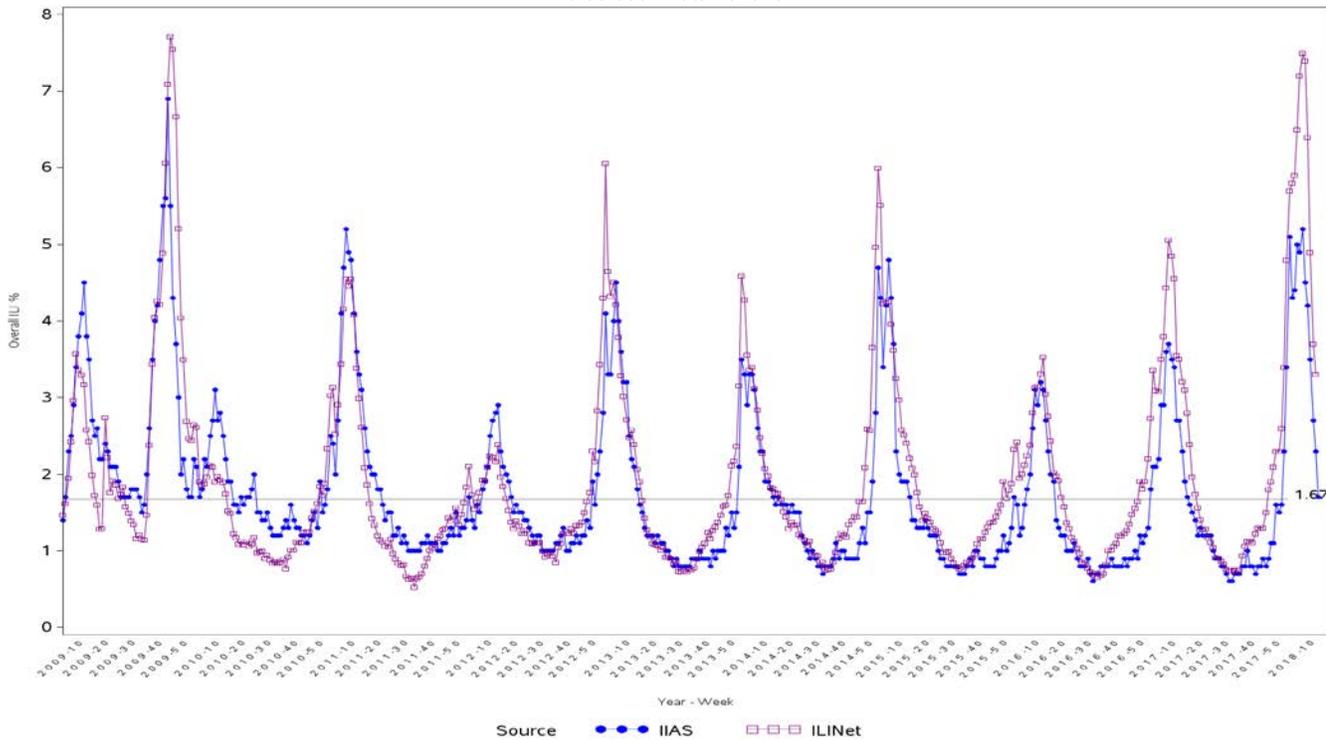
Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018

IAS vs. ILINet
10/01/17 to 03/17/2018



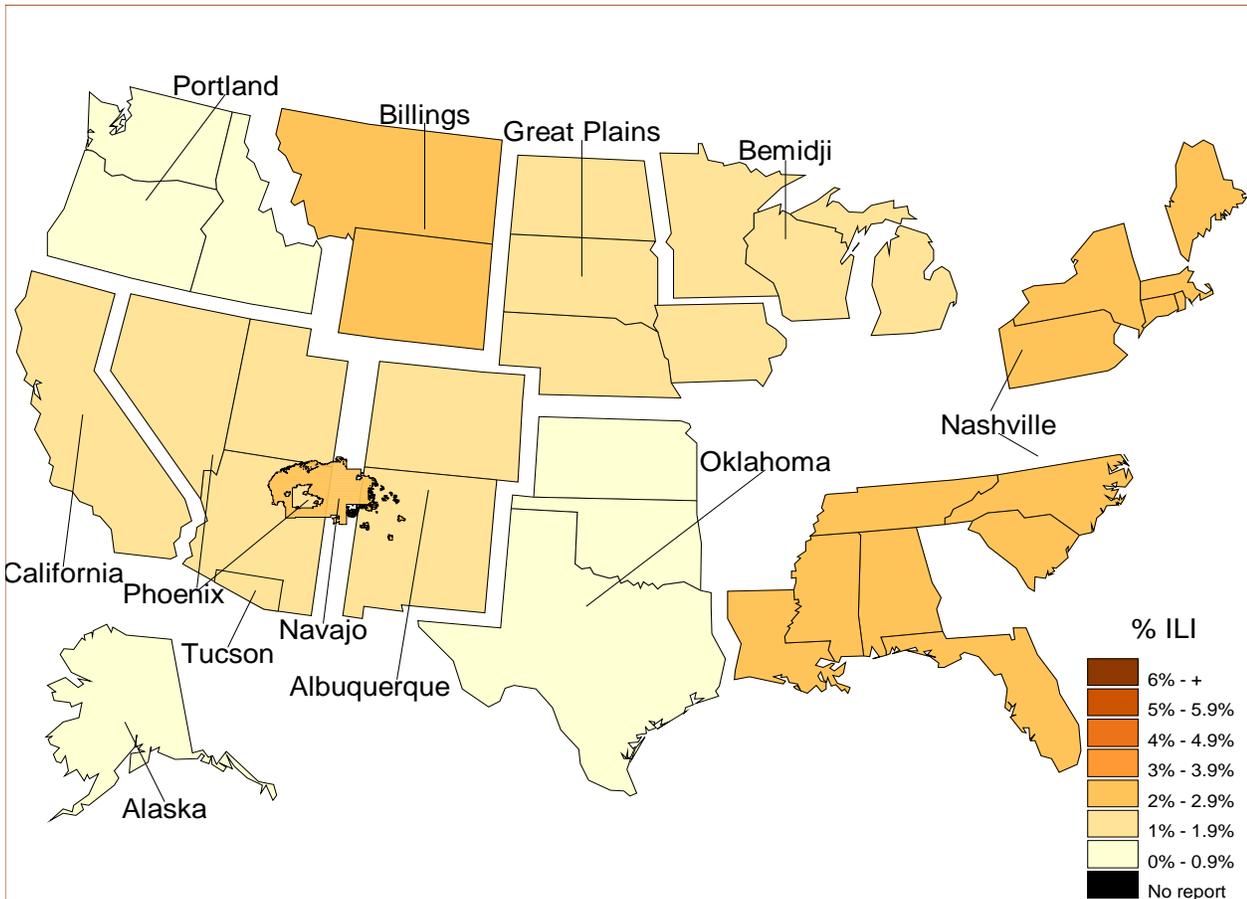
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IAS - IHS Influenza Awareness System

Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 IAS vs. ILINet
 01/04/09 to 03/17/2018



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IAS 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, IAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by Region
For Week: 11



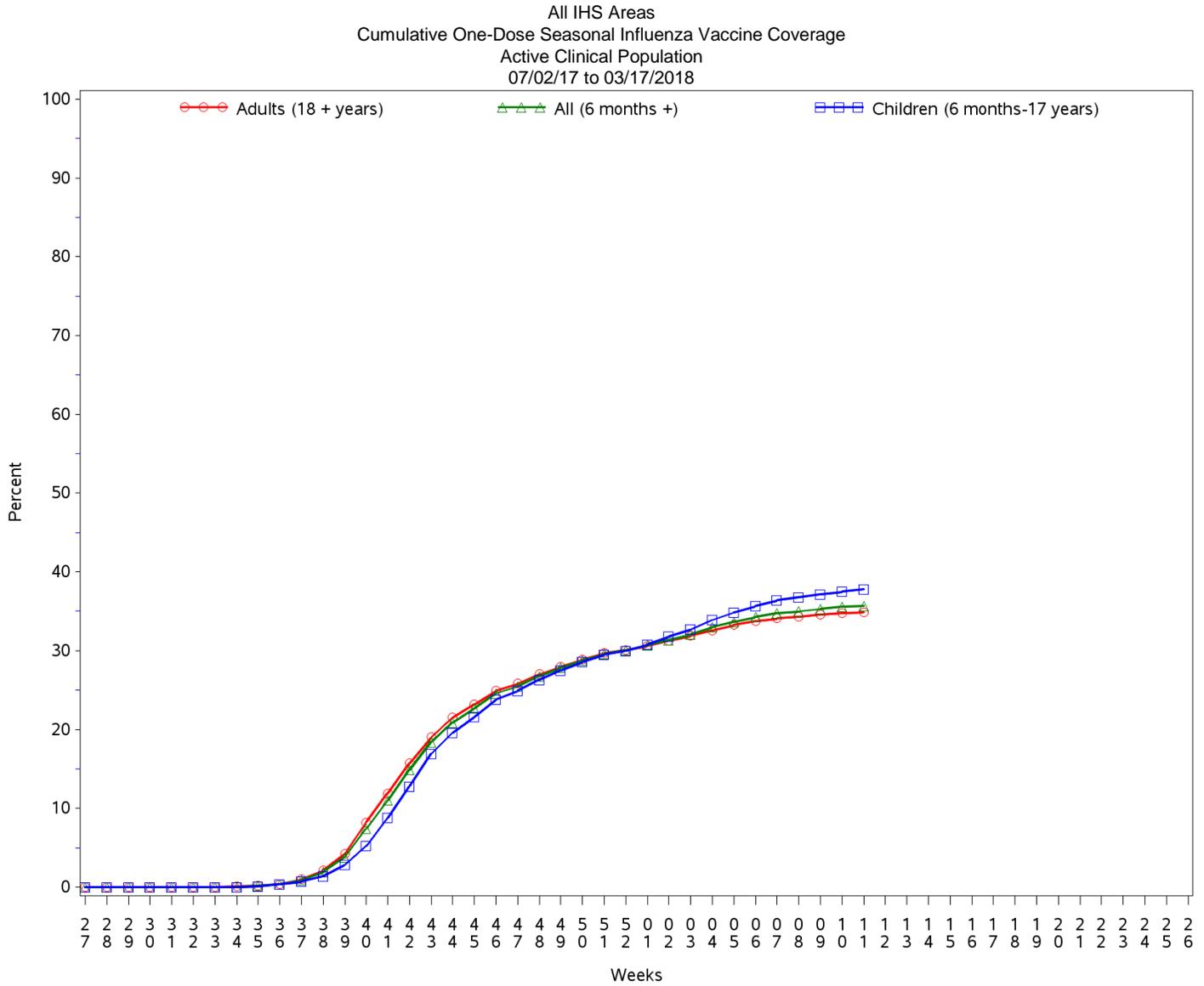
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 10	% in Week 11
NATIONAL	2.3	1.7
ALASKA	2.2	0.9
ALBUQUERQUE	2.2	1.4
BEMIDJI	2.3	1.5
BILLINGS	3.1	2.9
CALIFORNIA	1.9	1.4
GREAT PLAINS	1.9	1.8
NASHVILLE	2.5	2.3
NAVAJO	3.0	2.1
OKLAHOMA	1.2	0.9
PHOENIX	3.0	1.8
PORTLAND	1.5	0.8
TUCSON	1.2	1.0

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

IHS Influenza Vaccination Surveillance

- As of 03/17/2018, sites reporting to the IIAS have administered 345,479 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	4,222	80	1.9	0	0.0	80
6 - 23 months	20,618	12,681	61.5	4,005	19.4	16,718
2 - 4 years	51,282	17,448	34.0	682	1.3	18,163
5 - 17 years	196,657	71,444	36.3	435	0.2	72,068
18 - 49 years	403,200	110,770	27.5	613	0.2	111,724
50 - 64 years	170,859	73,076	42.8	403	0.2	73,734
65 + years	102,330	52,374	51.2	397	0.4	53,072
Children (6 months-17 years)	268,557	101,573	37.8	5,122	1.9	106,949
Adults (18 + years)	676,389	236,220	34.9	1,413	0.2	238,530
All (6 months +)	944,946	337,793	35.7	6,535	0.7	345,479

* 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	41	429	5	101	0	5,107	0	1,122	569	2	0	48	0	0	0	0	39	7,464
ALB	1	216	1,925	54	1,249	0	13,304	17	9,263	1,092	1,181	2	11	50	118	0	0	67	28,550
BEM	1	138	449	23	474	0	6,142	4	5,480	435	6	19	8	45	0	0	0	64	13,288
BIL	0	87	1,517	4	151	0	12,579	5	3,049	445	133	0	137	261	2	0	0	92	18,462
CAO	6	438	1,803	62	1,572	0	8,115	2	5,006	473	98	1	691	1	15	0	0	197	18,480
GPA	1	385	1,569	8	1,391	1	18,016	30	11,118	2,164	4	3	253	39	9	0	0	101	35,092
NSA	2	131	358	20	438	0	5,028	5	5,974	366	510	1	88	19	4	0	0	222	13,166
NAV	11	394	2,196	23	1,762	2	28,941	12	50,223	2,683	774	0	23	68	24	0	0	176	87,312
OKC	7	2,867	3,246	7	2,783	2	11,978	15	24,220	3,101	480	1	2,265	19	33	0	0	82	51,106
PHX	0	975	1,828	22	478	0	22,864	13	13,551	855	6	2	12	22	3	0	0	136	40,767
POR	7	371	1,548	352	479	0	8,653	20	9,276	735	989	70	985	329	19	0	0	185	24,018
TUC	0	37	36	24	1	0	8,168	0	89	36	0	0	0	0	0	0	0	45	8,436
	37	6,080	16,904	604	10,879	5	148,895	123	138,371	12,954	4,183	99	4,521	853	227	0	0	1,406	346,141

* 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.

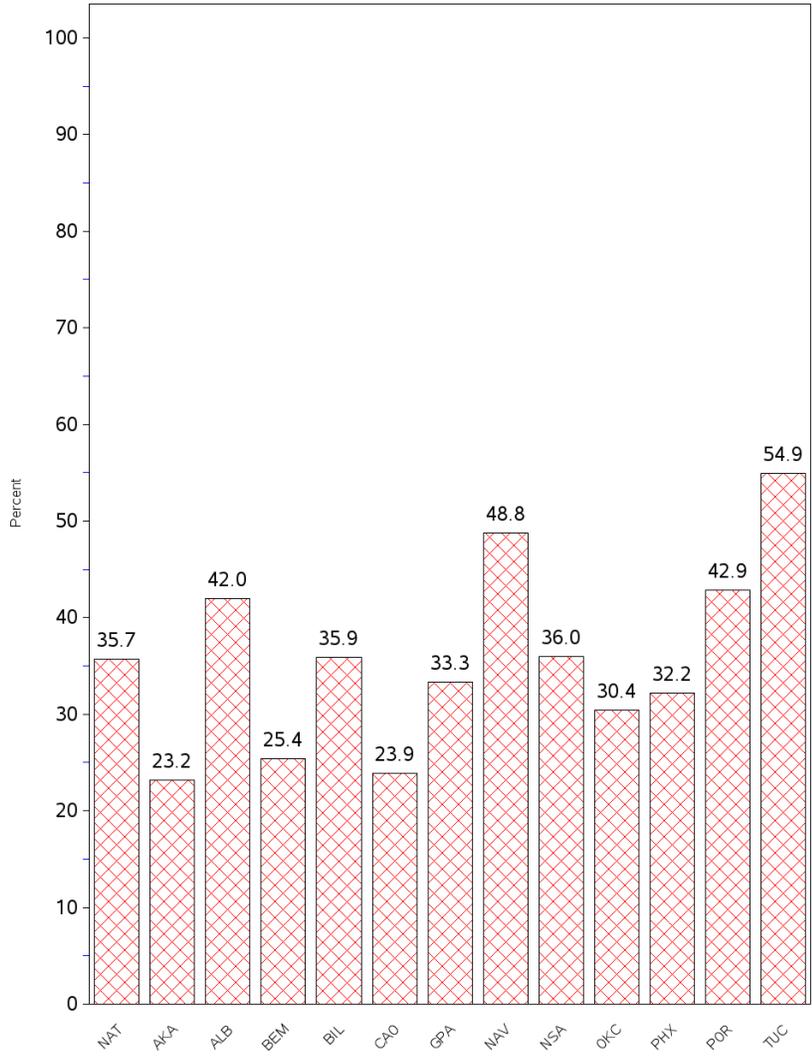
Doses are NOT deduplicated.

** 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 03/17/2018



- 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	146	255
ALASKA	5	28
ALBUQUERQUE	11	18
BEMIDJI	6	11
BILLINGS	12	21
CALIFORNIA	19	30
GREAT PLAINS	15	32
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	17	21
PHOENIX	12	20
PORTLAND	20	23
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.