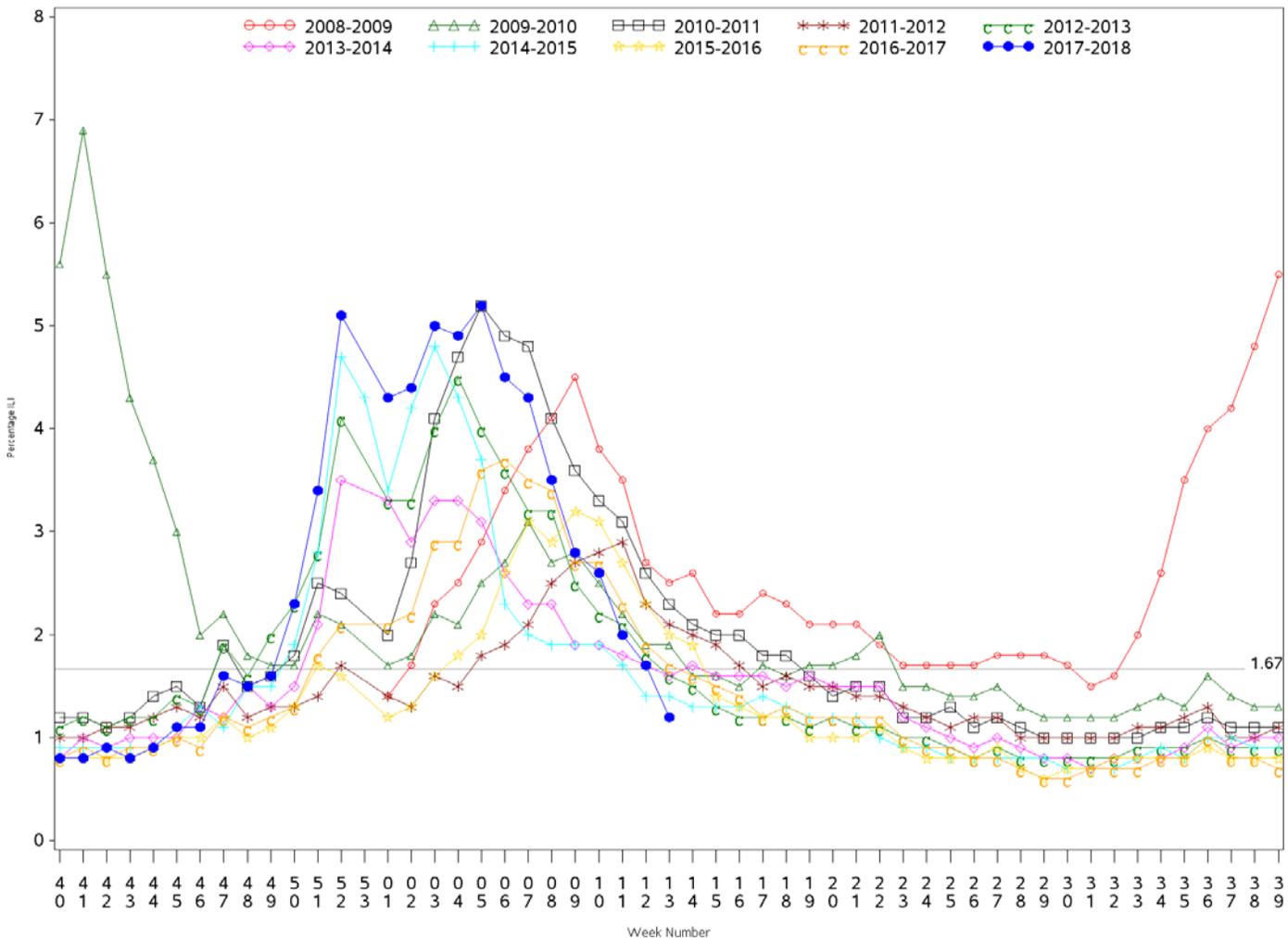




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 13: 03/25/2018 – 03/31/2018)

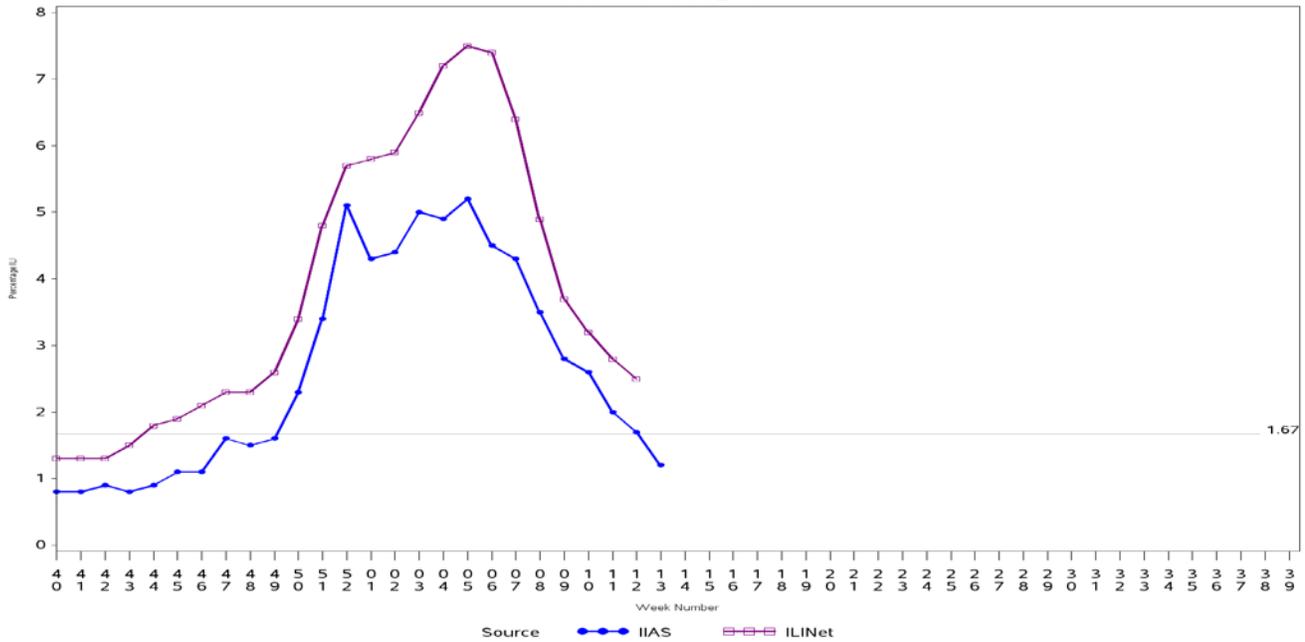
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.2%, below the IHS baseline of 1.67%
 - One IHS region reports having elevated ILI activity
- National ILI activity reported by CDC remains elevated in a few US states
 - CDC's ILINet ILI activity is 2.5%, down from 2.8% reported in week 11, and remains above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 349,000 doses of influenza vaccine.
- Overall, 36.2% 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 03/31/2018



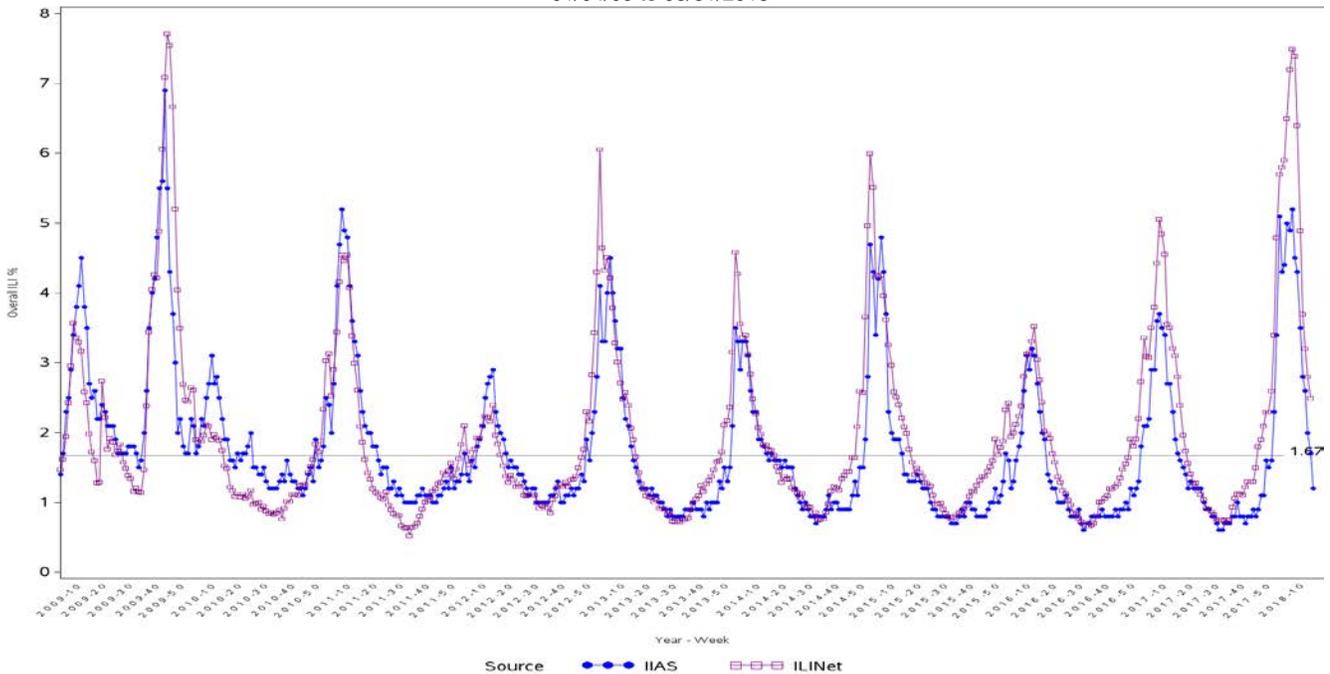
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 03/31/2018



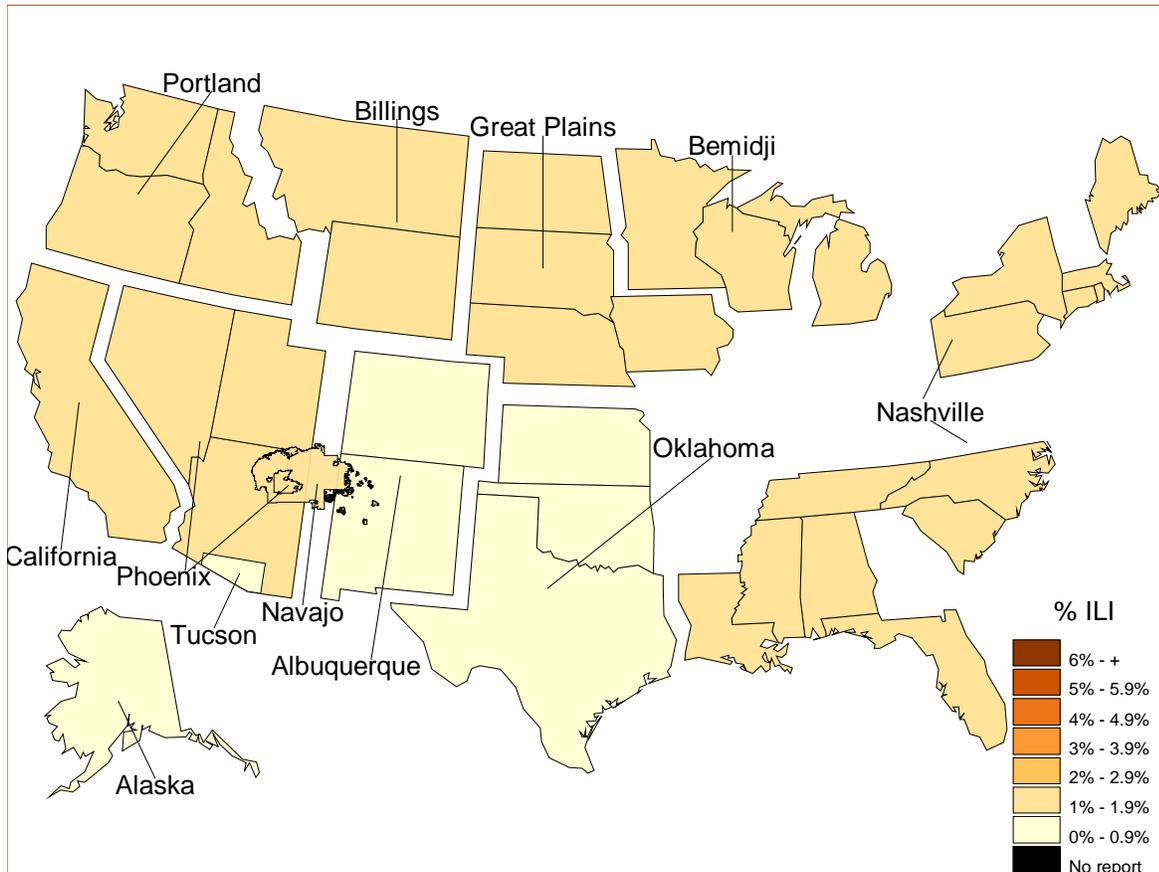
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 03/31/2018



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: 13



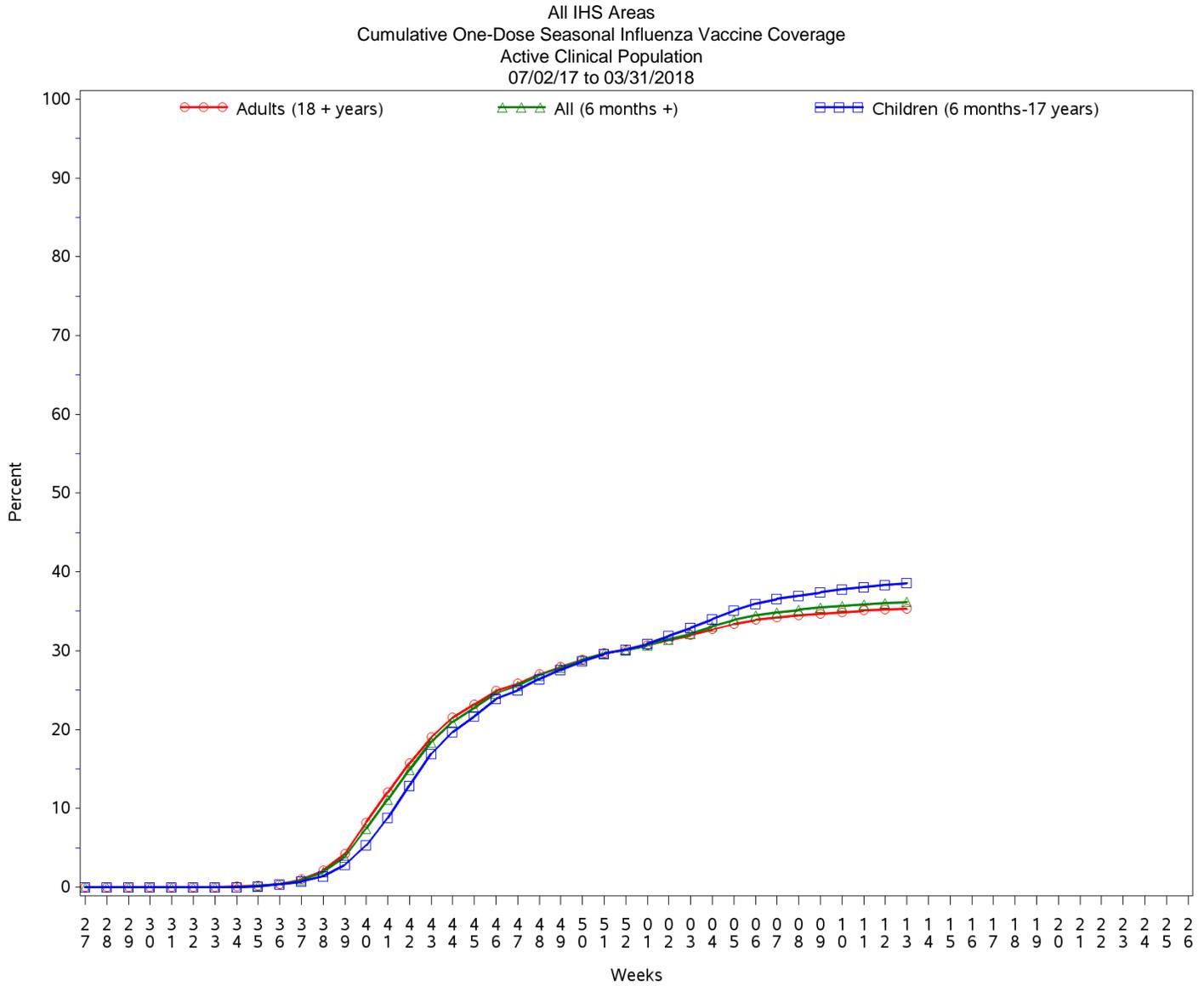
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 12	% in Week 13
NATIONAL	1.7	1.2
ALASKA	1.9	0.7
ALBUQUERQUE	1.3	0.8
BEMIDJI	0.7	1.6
BILLINGS	2.6	1.6
CALIFORNIA	0.9	1.1
GREAT PLAINS	2.3	1.6
NASHVILLE	1.6	1.7
NAVAJO	2.1	1.2
OKLAHOMA	0.8	0.6
PHOENIX	1.8	1.5
PORTLAND	1.1	1.0
TUCSON	1.9	0.7

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

IHS Influenza Vaccination Surveillance

- As of 03/31/2018, sites reporting to the IIAS have administered 349,843 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	4,099	101	2.5	0	0.0	101
6 - 23 months	20,714	13,123	63.4	4,322	20.9	17,480
2 - 4 years	50,978	17,873	35.1	747	1.5	18,654
5 - 17 years	195,905	72,397	37.0	455	0.2	73,043
18 - 49 years	402,100	112,083	27.9	631	0.2	113,055
50 - 64 years	170,664	73,613	43.1	409	0.2	74,280
65 + years	102,528	52,626	51.3	404	0.4	53,331
Children (6 months-17 years)	267,597	103,393	38.6	5,524	2.1	109,177
Adults (18 + years)	675,292	238,322	35.3	1,444	0.2	240,666
All (6 months +)	942,889	341,715	36.2	6,968	0.7	349,843

* 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	432	6	101	0	5,144	0	1,125	576	2	0	48	0	0	0	0	41	7,517
ALB	1	218	1,933	57	1,266	0	13,456	17	9,357	1,140	1,192	2	14	51	133	0	0	69	28,906
BEM	1	140	449	23	474	0	6,254	4	5,490	444	6	19	8	46	0	0	0	65	13,423
BIL	0	88	1,522	4	152	0	12,805	5	3,097	457	133	0	138	261	2	0	0	96	18,760
CAO	6	443	1,811	62	1,581	0	8,256	2	5,055	481	100	1	693	1	15	0	0	196	18,703
GPA	1	391	1,580	8	1,435	1	18,284	30	11,470	2,289	4	3	258	40	9	0	0	104	35,907
NSA	2	132	358	20	443	0	5,051	5	6,007	368	513	1	88	20	4	0	0	227	13,239
NAV	12	414	2,218	25	1,784	2	29,266	12	50,788	2,798	780	0	25	68	24	0	0	180	88,396
OKC	7	2,893	3,256	7	2,806	2	12,093	15	24,321	3,156	483	1	2,276	19	33	0	0	81	51,449
PHX	0	994	1,837	22	484	0	23,281	13	13,702	911	6	2	12	22	3	0	0	138	41,427
POR	7	378	1,551	354	481	0	8,731	20	9,354	753	999	70	989	329	20	0	0	190	24,226
TUC	0	38	36	24	1	0	8,319	0	91	37	0	0	0	0	0	0	0	46	8,592
	38	6,170	16,983	612	11,008	5	150,940	123	139,857	13,410	4,218	99	4,549	857	243	0	0	1,433	350,545

* 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.

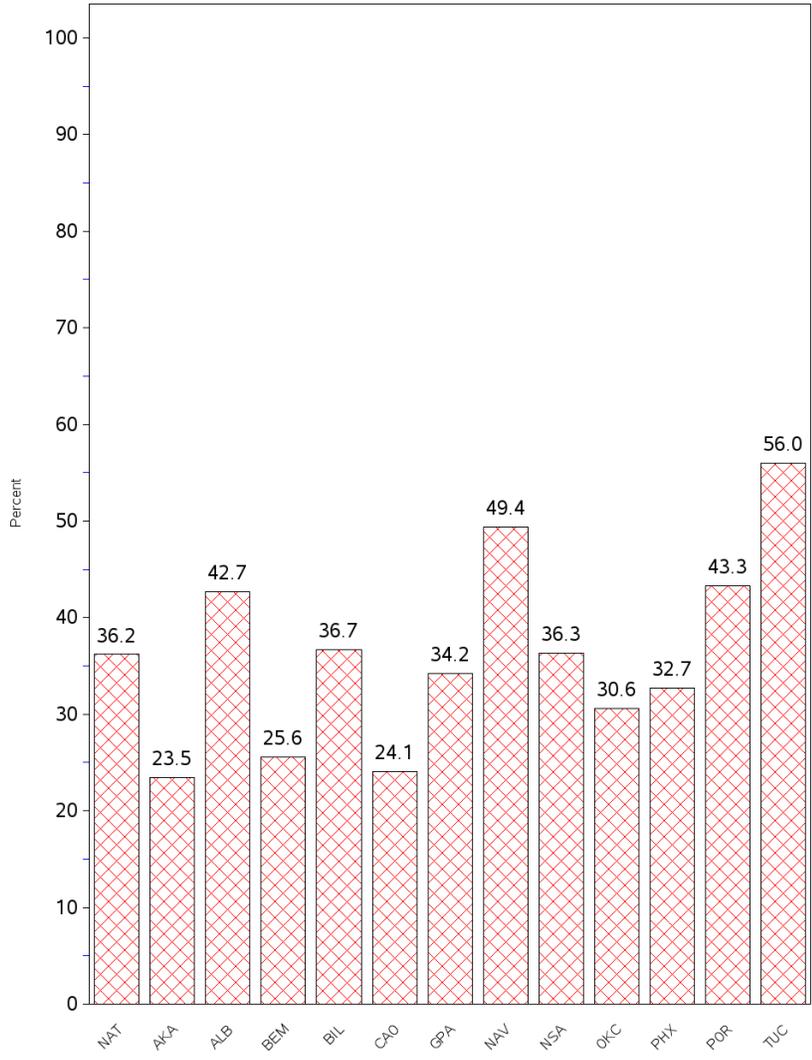
Doses are NOT deduplicated.

** 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 03/31/2018



- 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	238
ALASKA	5	26
ALBUQUERQUE	11	18
BEMIDJI	1	1
BILLINGS	12	18
CALIFORNIA	19	30
GREAT PLAINS	16	31
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	17	21
PHOENIX	12	19
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.