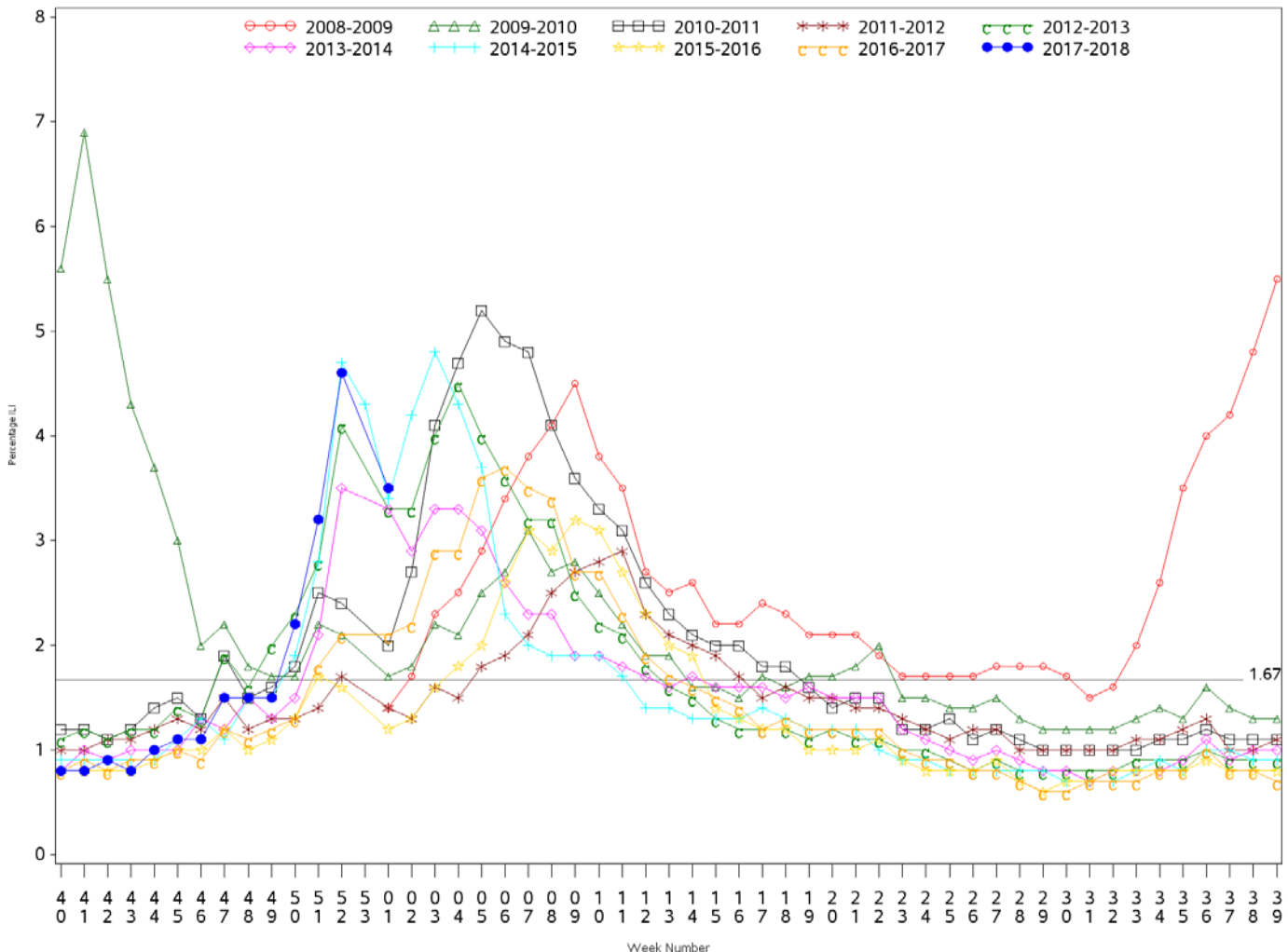




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 01: 12/31/2017 – 01/06/2018)

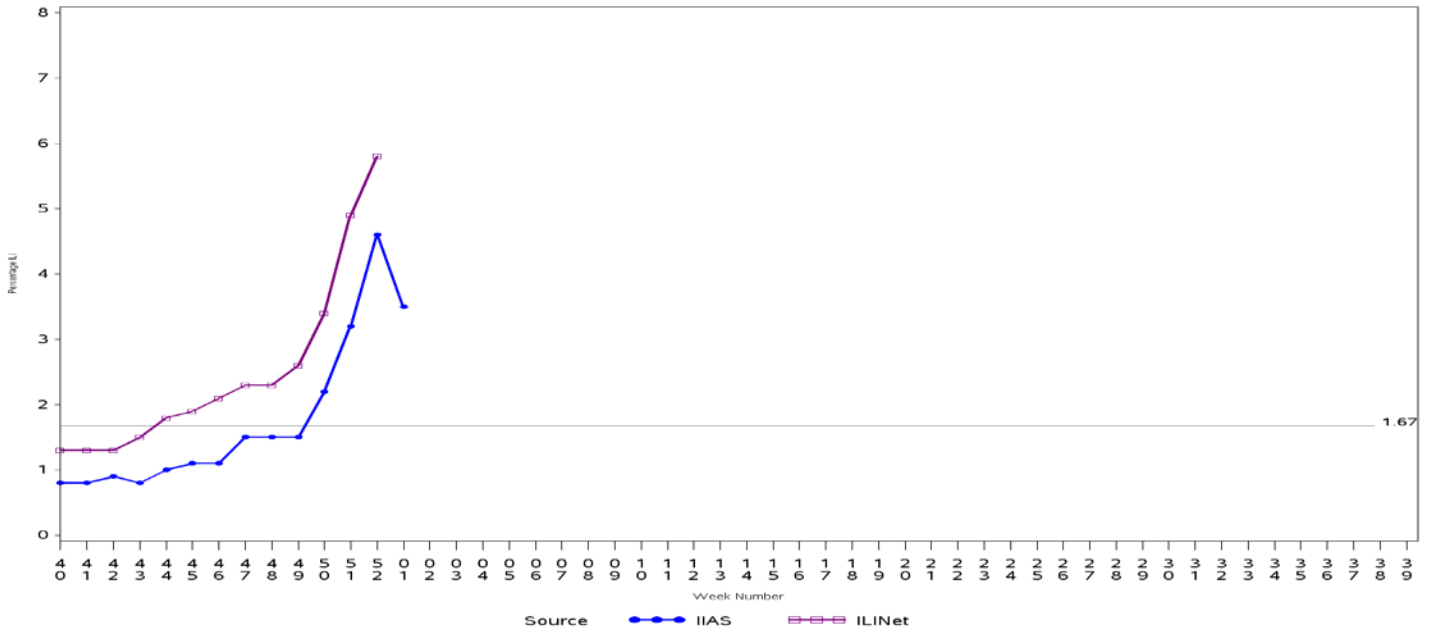
- Influenza-like-illness (ILI) activity in IHS is elevated at 3.5%, above the IHS baseline of 1.67%
 - Eleven IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is elevated and increasing in a majority of US states
 - CDC's ILINet ILI activity is 5.8%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 285,000 doses of influenza vaccine.
- Overall, 30.0% 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 01/06/2018



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 01/06/2018



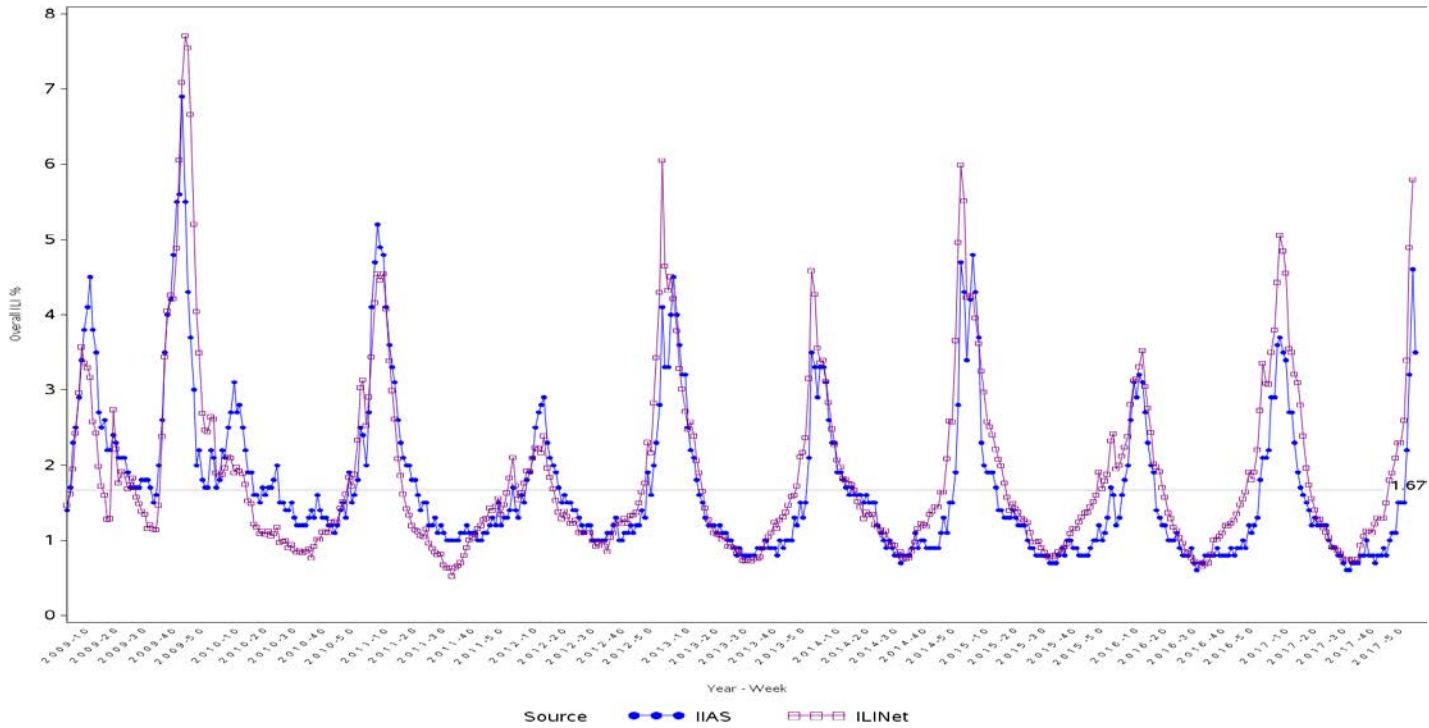
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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 01/06/2018



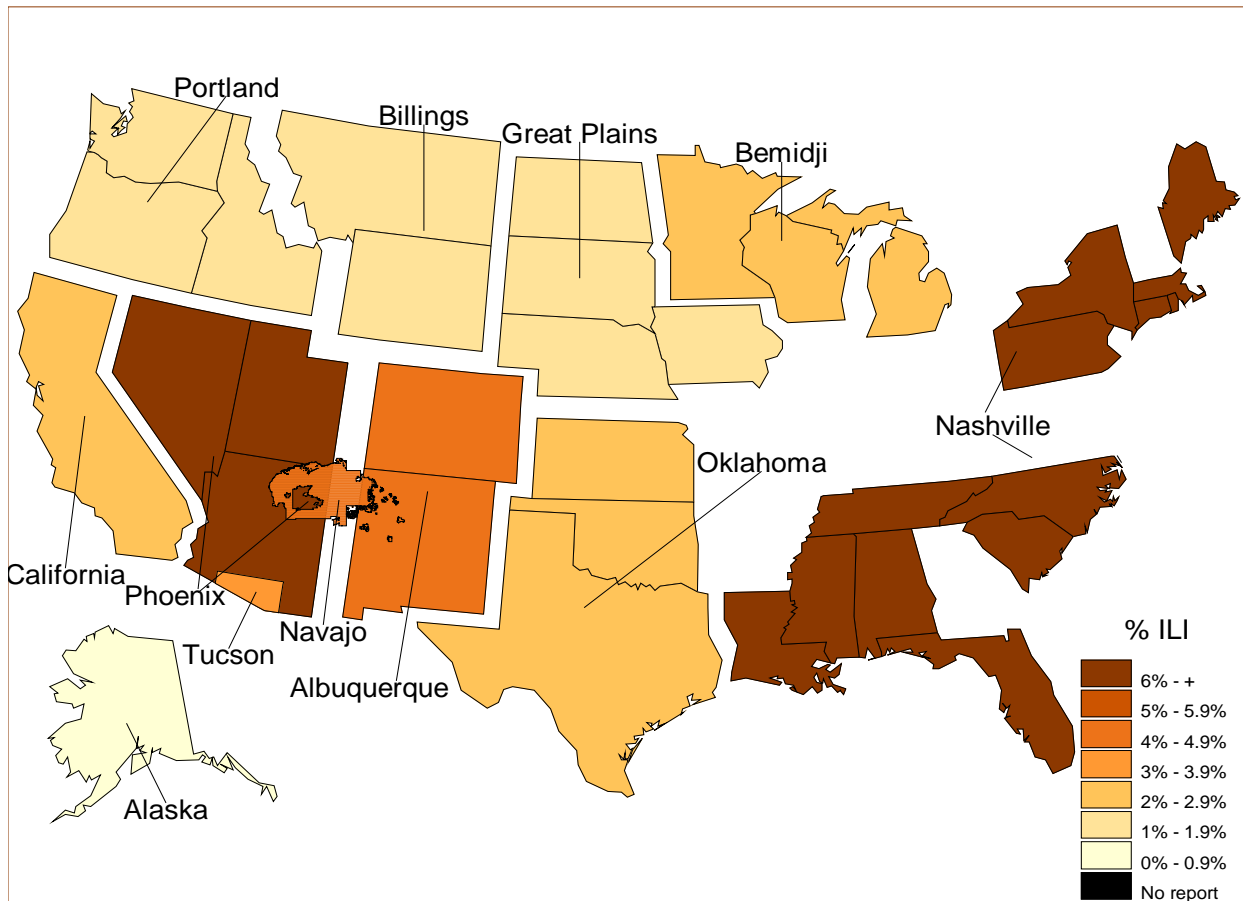
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

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: 01



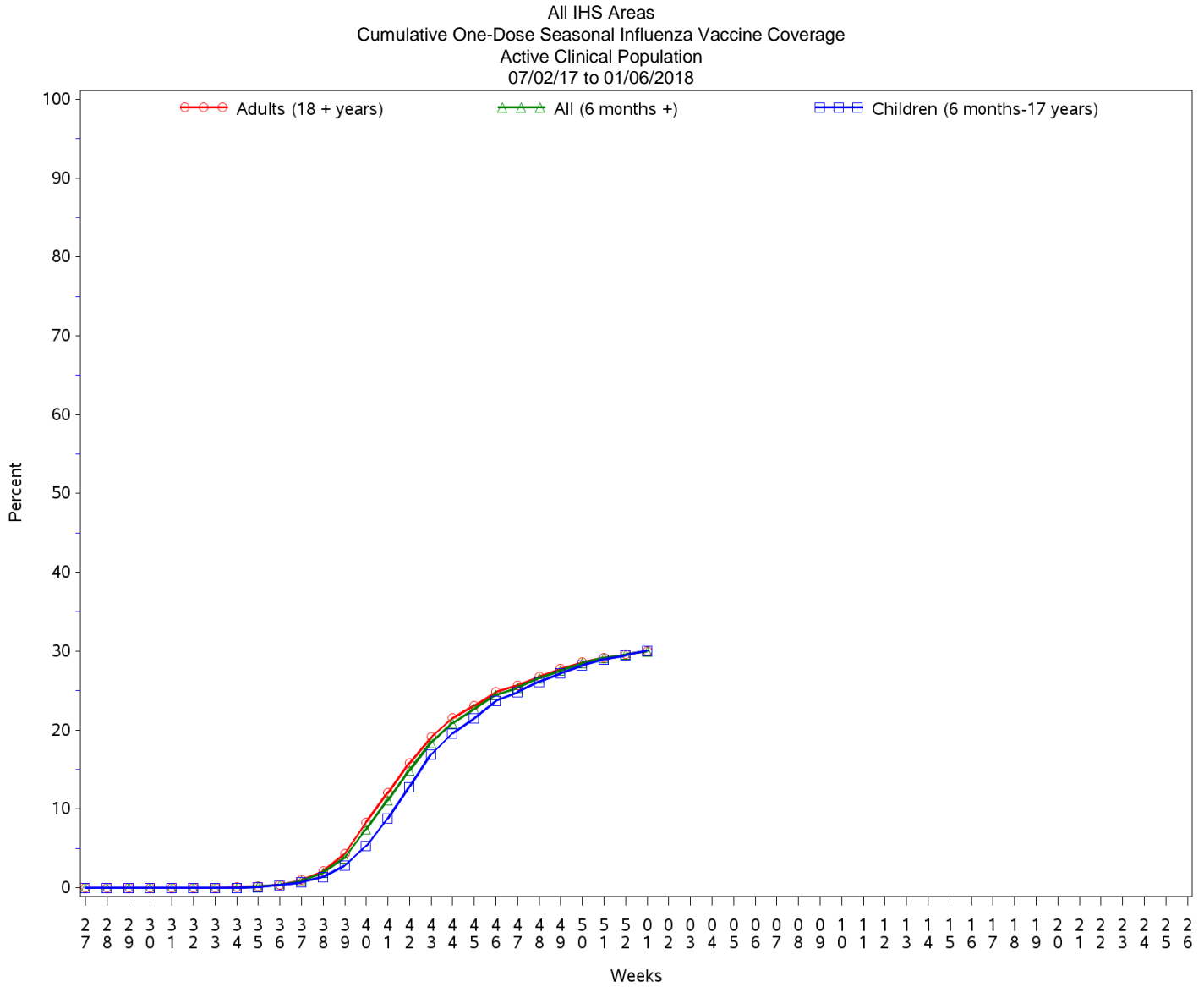
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 52	% in Week 01
NATIONAL	4.6	3.5
ALASKA	1.4	0.7
ALBUQUERQUE	5.8	4.4
BEMIDJI	2.0	2.1
BILLINGS	2.8	1.3
CALIFORNIA	3.3	2.0
GREAT PLAINS	2.3	1.8
NASHVILLE	6.6	6.2
NAVAJO	5.0	4.2
OKLAHOMA	2.4	2.1
PHOENIX	8.7	6.3
PORTLAND	1.3	1.7
TUCSON	5.4	3.8

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

IHS Influenza Vaccination Surveillance

- As of 01/06/2018, sites reporting to the IIAS have administered 285,941 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	4,229	38	0.9	0	0.0	38
6 - 23 months	20,442	9,299	45.5	1,710	8.4	11,026
2 - 4 years	51,270	13,169	25.7	263	0.5	13,455
5 - 17 years	195,712	58,007	29.6	275	0.1	58,421
18 - 49 years	400,549	91,554	22.9	411	0.1	92,250
50 - 64 years	169,238	62,925	37.2	284	0.2	63,413
65 + years	100,837	46,814	46.4	293	0.3	47,376
Children (6 months-17 years)	267,424	80,475	30.1	2,248	0.8	82,902
Adults (18 + years)	670,624	201,293	30.0	988	0.1	203,039
All (6 months +)	938,048	281,768	30.0	3,236	0.3	285,941

* 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	26	360	3	82	0	4,251	0	1,075	410	2	0	45	0	0	0	0	34	6,289
ALB	0	181	1,773	39	1,028	0	10,638	16	7,717	847	977	1	9	46	6	0	0	59	23,337
BEM	1	101	372	5	354	0	4,076	1	4,411	224	6	0	6	35	0	0	0	45	9,637
BIL	0	63	1,379	4	129	0	9,964	4	2,389	309	126	0	132	257	1	0	0	81	14,838
CAO	3	363	1,608	55	1,323	0	6,501	1	3,966	352	68	0	619	0	0	0	0	173	15,032
GPA	1	310	1,460	5	1,130	1	15,755	5	9,218	1,596	3	3	155	22	7	0	0	92	29,763
NSA	1	115	339	19	367	0	4,329	4	5,167	294	435	1	81	15	3	0	0	183	11,353
NAV	7	254	1,970	14	1,478	1	23,883	9	41,872	1,929	622	0	15	52	17	0	0	142	72,265
OKC	6	1,683	3,084	5	2,147	2	10,121	11	21,151	2,142	432	0	1,707	16	32	0	0	67	42,606
PHX	0	769	1,686	2	409	0	18,745	12	11,513	541	4	2	11	6	0	0	0	113	33,813
POR	5	264	1,443	292	420	0	7,219	20	8,079	547	879	66	904	247	12	0	0	159	20,556
TUC	0	28	30	18	1	0	6,734	0	78	29	0	0	0	0	0	0	0	34	6,952
	25	4,157	15,504	461	8,868	4	122,216	83	116,636	9,220	3,554	73	3,684	696	78	0	0	1,182	286,441

* 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.

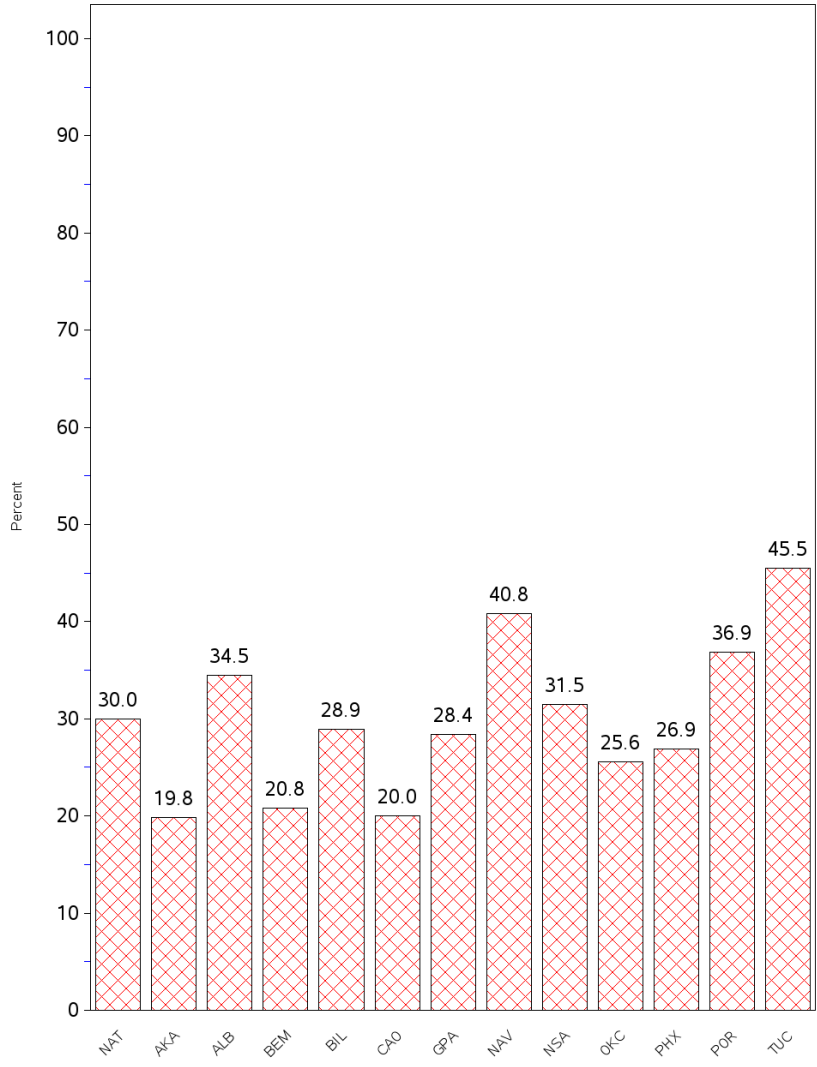
Doses are NOT deduplicated.

** 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 01/06/2018



- 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	150	284
ALASKA	5	50
ALBUQUERQUE	12	20
BEMIDJI	6	11
BILLINGS	11	20
CALIFORNIA	19	33
GREAT PLAINS	17	33
NASHVILLE	19	23
NAVAJO	8	22
OKLAHOMA	18	22
PHOENIX	13	22
PORTLAND	21	24
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.