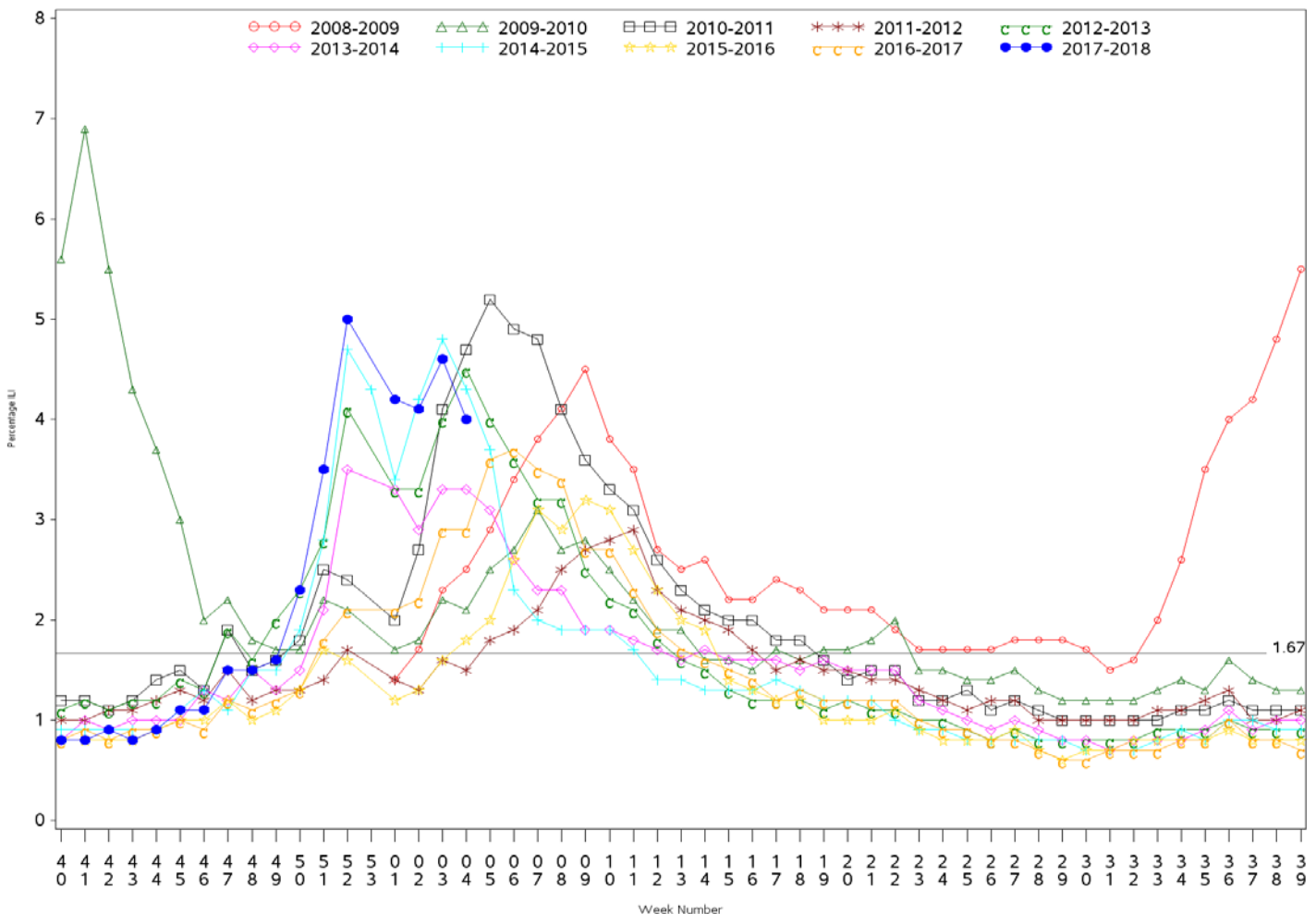




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 04: 01/21/2018 – 01/27/2018)

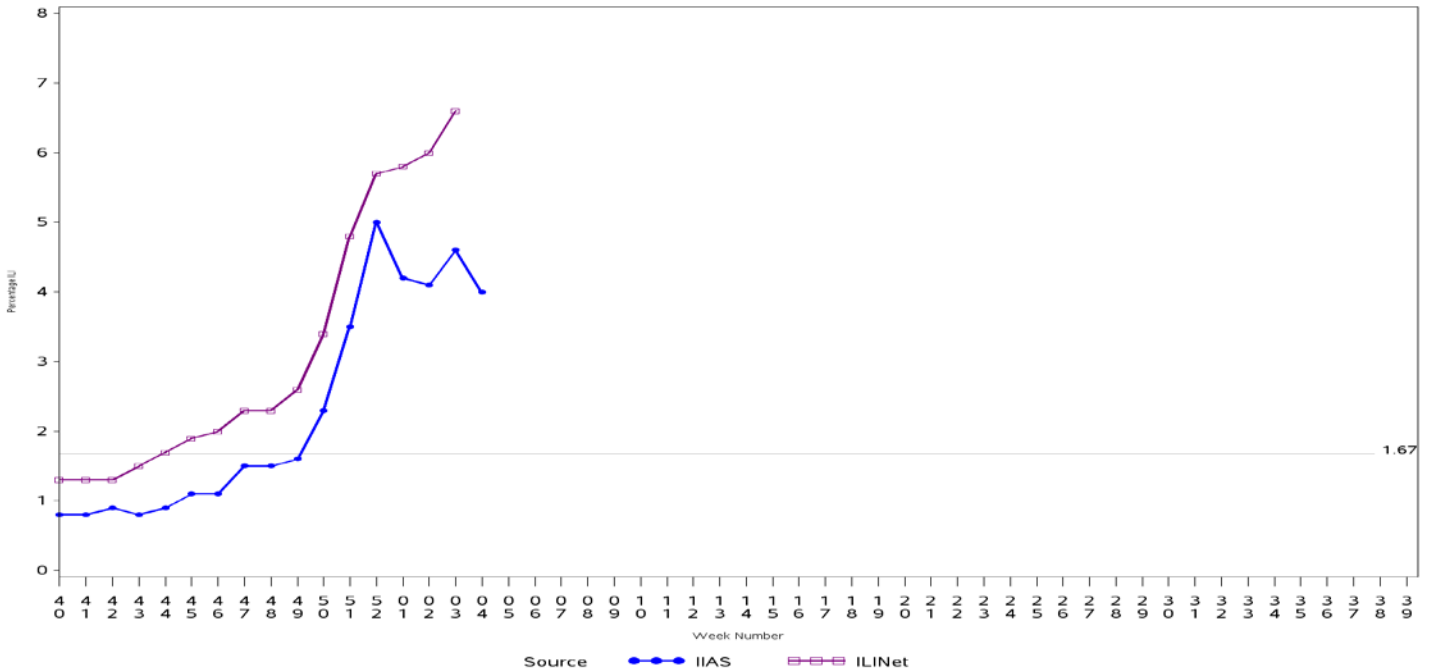
- Influenza-like-illness (ILI) activity in IHS is decreasing but remains elevated at 4.0%, above the IHS baseline of 1.67%
 - Eleven IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is elevated and increasing in a majority of US states
 - CDC's ILINet ILI activity is 6.6%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 312,000 doses of influenza vaccine.
- Overall, 32.5% 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 01/27/2018



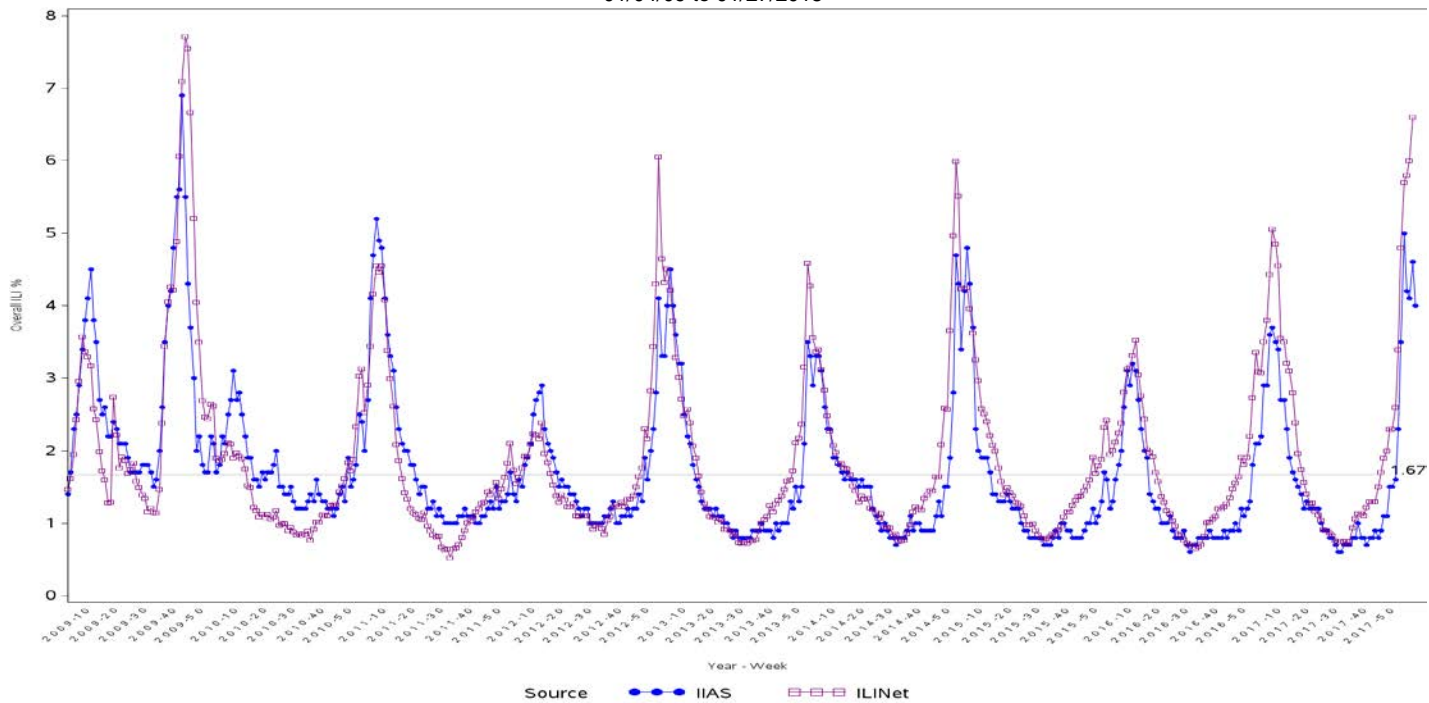
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 01/27/2018



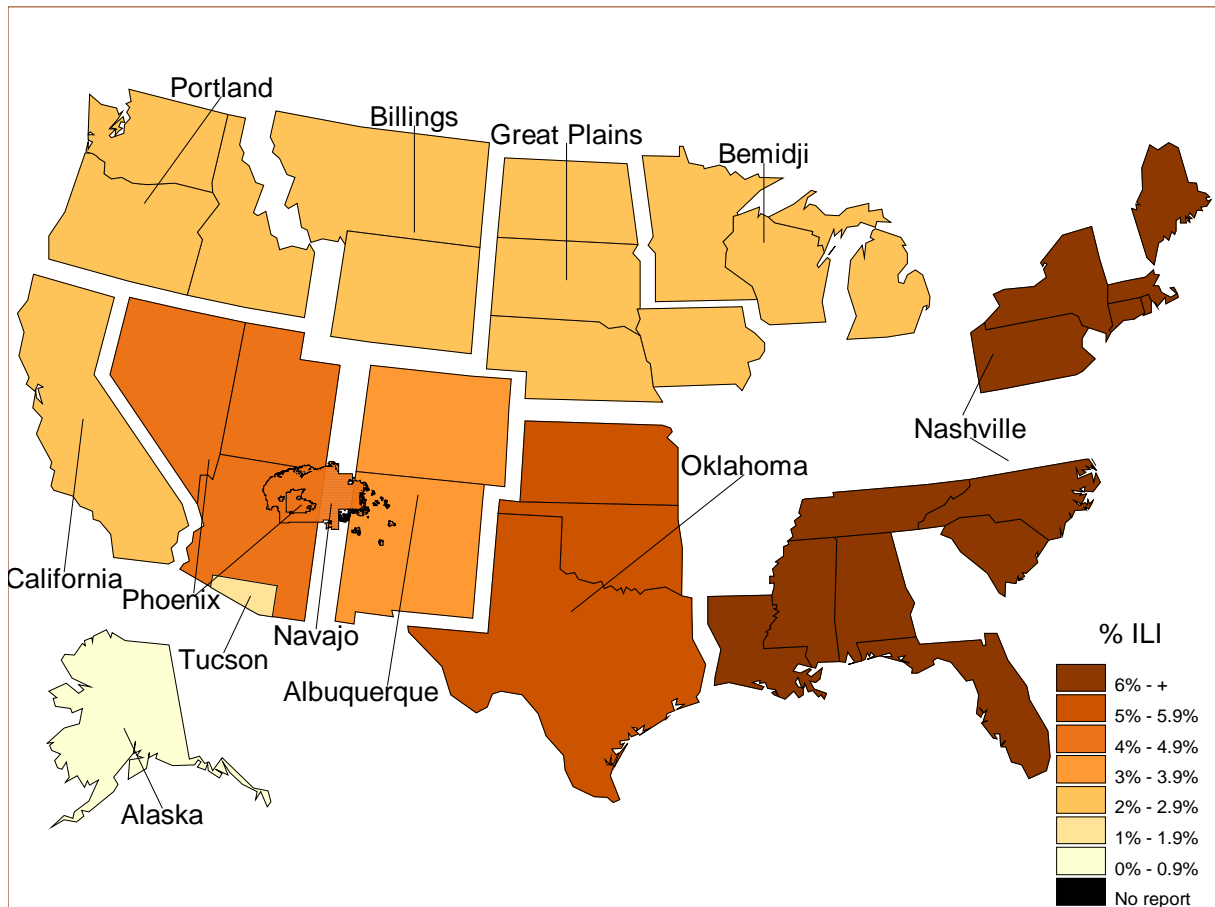
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 01/27/2018



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: 04



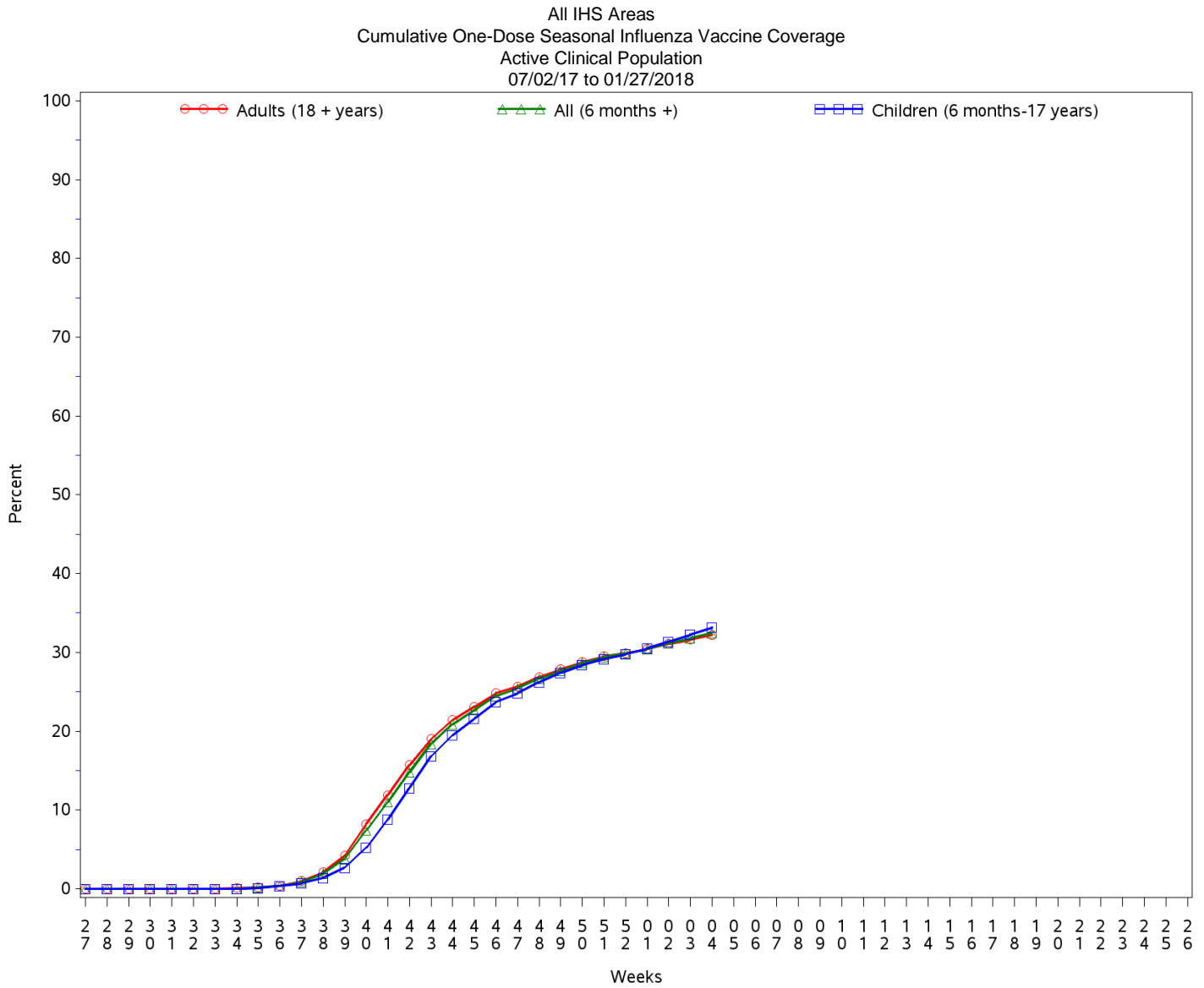
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 03	% in Week 04
NATIONAL	4.6	4.0
ALASKA	0.8	0.7
ALBUQUERQUE	5.1	3.8
BEMIDJI	3.0	2.0
BILLINGS	2.5	2.0
CALIFORNIA	2.0	2.4
GREAT PLAINS	2.9	2.3
NASHVILLE	9.0	8.5
NAVAJO	5.8	4.8
OKLAHOMA	5.3	5.3
PHOENIX	4.8	4.0
PORTLAND	2.9	2.5
TUCSON	3.9	1.2

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

IHS Influenza Vaccination Surveillance

- As of 01/27/2018, sites reporting to the IIAS have administered 312,745 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	4,241	48	1.1	0	0.0	48
6 - 23 months	20,536	10,622	51.7	2,572	12.5	13,220
2 - 4 years	51,534	15,029	29.2	422	0.8	15,479
5 - 17 years	196,866	63,757	32.4	332	0.2	64,245
18 - 49 years	403,630	100,419	24.9	513	0.1	101,237
50 - 64 years	170,815	67,743	39.7	334	0.2	68,307
65 + years	101,689	49,648	48.8	326	0.3	50,257
Children (6 months-17 years)	268,936	89,408	33.2	3,326	1.2	92,944
Adults (18 + years)	676,134	217,810	32.2	1,173	0.2	219,801
All (6 months +)	945,070	307,218	32.5	4,499	0.5	312,745

* 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	30	392	5	90	0	4,633	0	1,101	483	2	0	47	0	1	0	0	39	6,824
ALB	0	196	1,850	42	1,129	0	11,661	17	8,317	924	1,060	2	9	47	31	0	0	64	25,349
BEM	1	116	397	9	397	0	5,098	1	4,695	294	6	14	8	39	0	0	0	53	11,128
BIL	0	71	1,454	4	137	0	11,104	5	2,676	369	129	0	134	257	2	0	0	87	16,429
CAO	3	382	1,706	56	1,431	0	7,001	2	4,385	402	92	0	622	0	1	0	0	187	16,270
GPA	1	344	1,510	7	1,237	1	16,767	14	10,059	1,800	4	3	209	36	9	0	0	102	32,103
NSA	1	122	346	20	401	0	4,593	5	5,466	326	471	1	83	16	4	0	0	195	12,050
NAV	9	317	2,090	19	1,595	1	26,521	11	45,136	2,220	684	0	20	55	20	0	0	160	78,858
OKC	7	2,618	3,159	7	2,522	2	11,081	13	22,940	2,660	449	1	1,952	17	32	0	0	73	47,533
PHX	0	842	1,754	2	443	0	20,570	13	12,516	656	4	2	13	11	3	0	0	120	36,949
POR	5	307	1,492	318	448	0	7,909	20	8,661	631	918	67	951	310	17	0	0	174	22,228
TUC	0	33	36	20	1	0	7,329	0	85	30	0	0	0	0	0	0	0	40	7,574
	28	5,378	16,186	509	9,831	4	134,267	101	126,037	10,795	3,819	90	4,048	788	120	0	0	1,294	313,295

* 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.

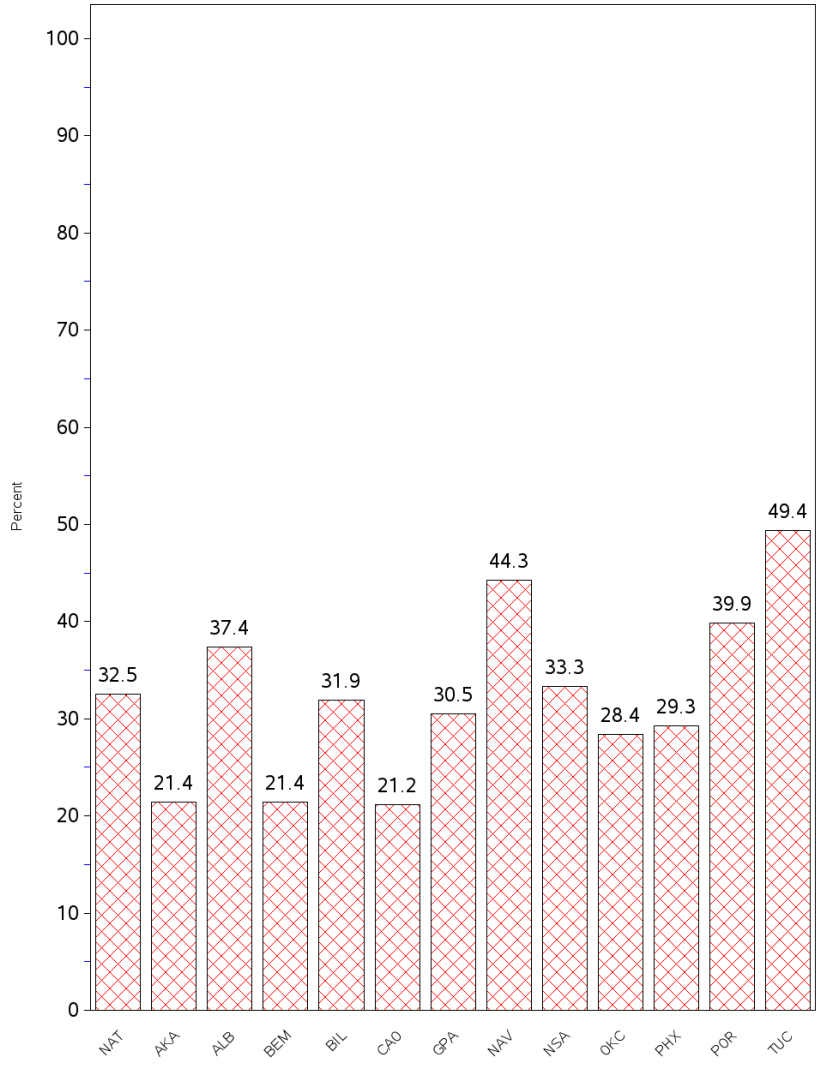
Doses are NOT deduplicated.

** 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 01/27/2018



- 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	266
ALASKA	5	50
ALBUQUERQUE	12	19
BEMIDJI	8	12
BILLINGS	11	20
CALIFORNIA	15	22
GREAT PLAINS	13	28
NASHVILLE	20	24
NAVAJO	8	23
OKLAHOMA	18	22
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.