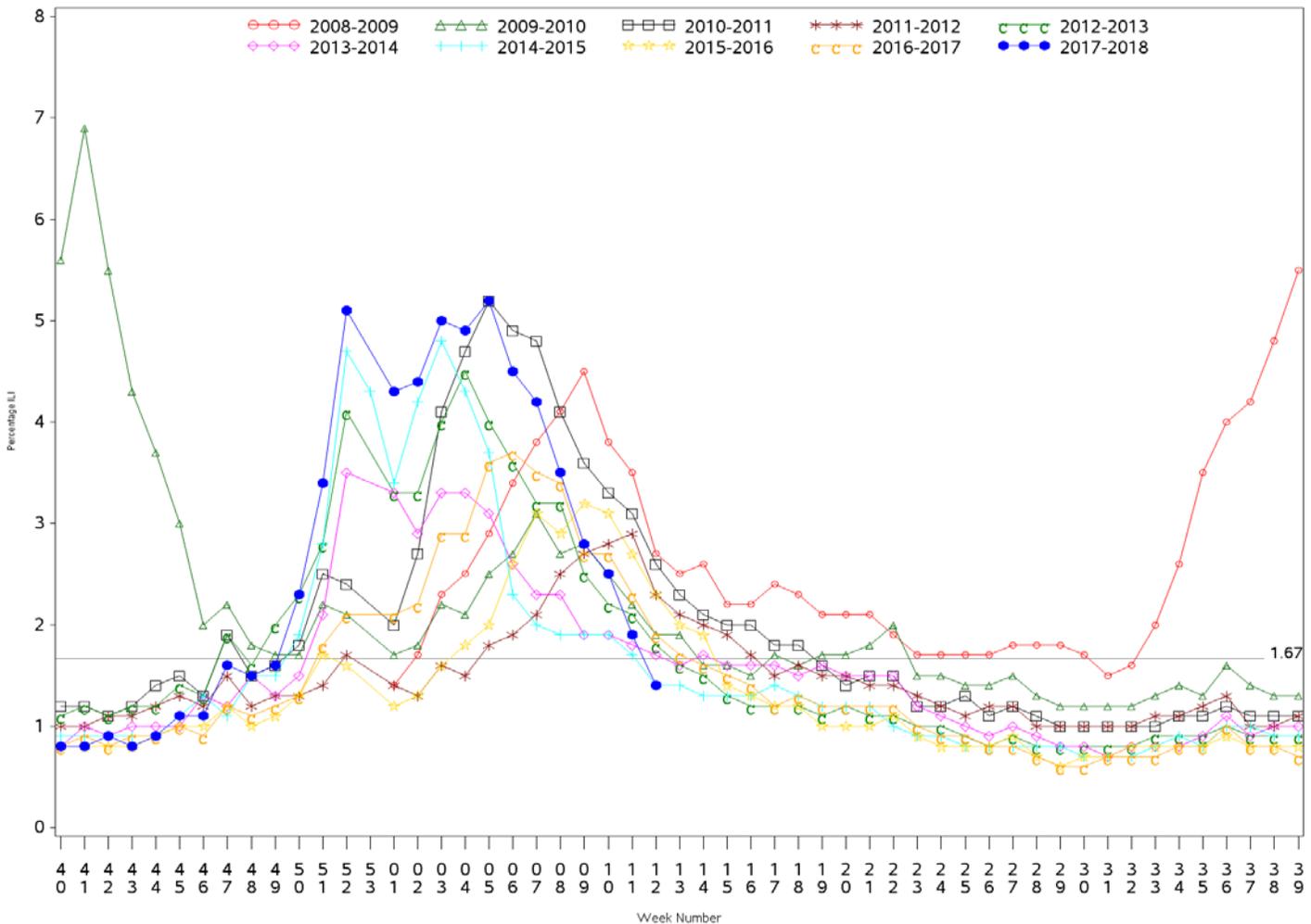




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 12: 03/18/2018 – 03/24/2018)

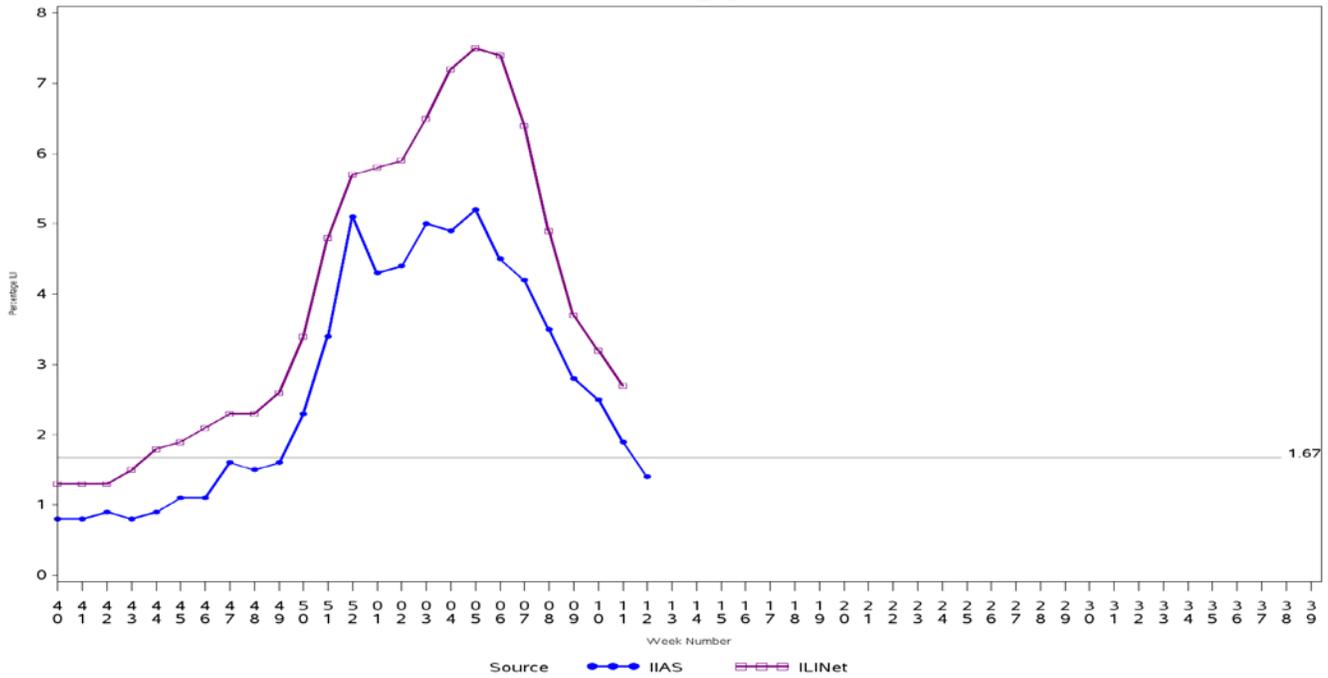
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.4%, below the IHS baseline of 1.67%
 - Two IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC remains elevated in a few US states
 - CDC's ILINet ILI activity is 2.7%, down from 3.3% reported in week 10, and remains above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 348,000 doses of influenza vaccine.
- Overall, 36.0% 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 03/24/2018



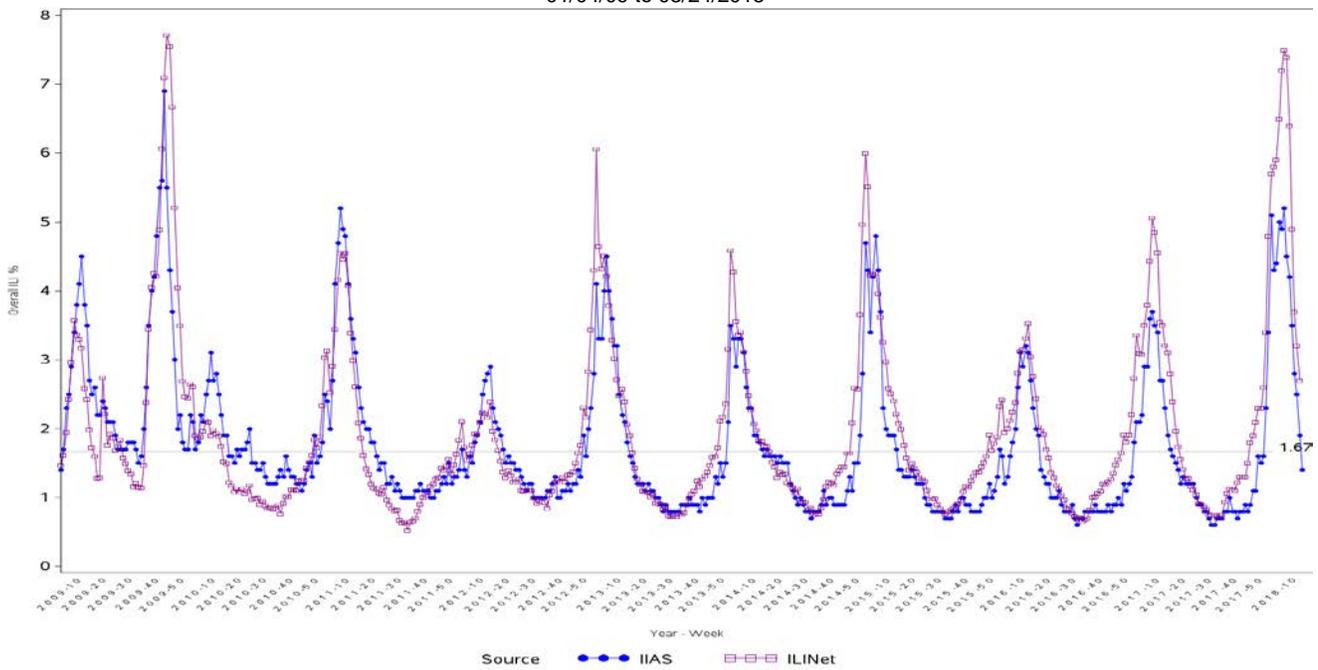
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2017 - 2018
 IIAS vs. ILINet
 10/01/17 to 03/24/2018



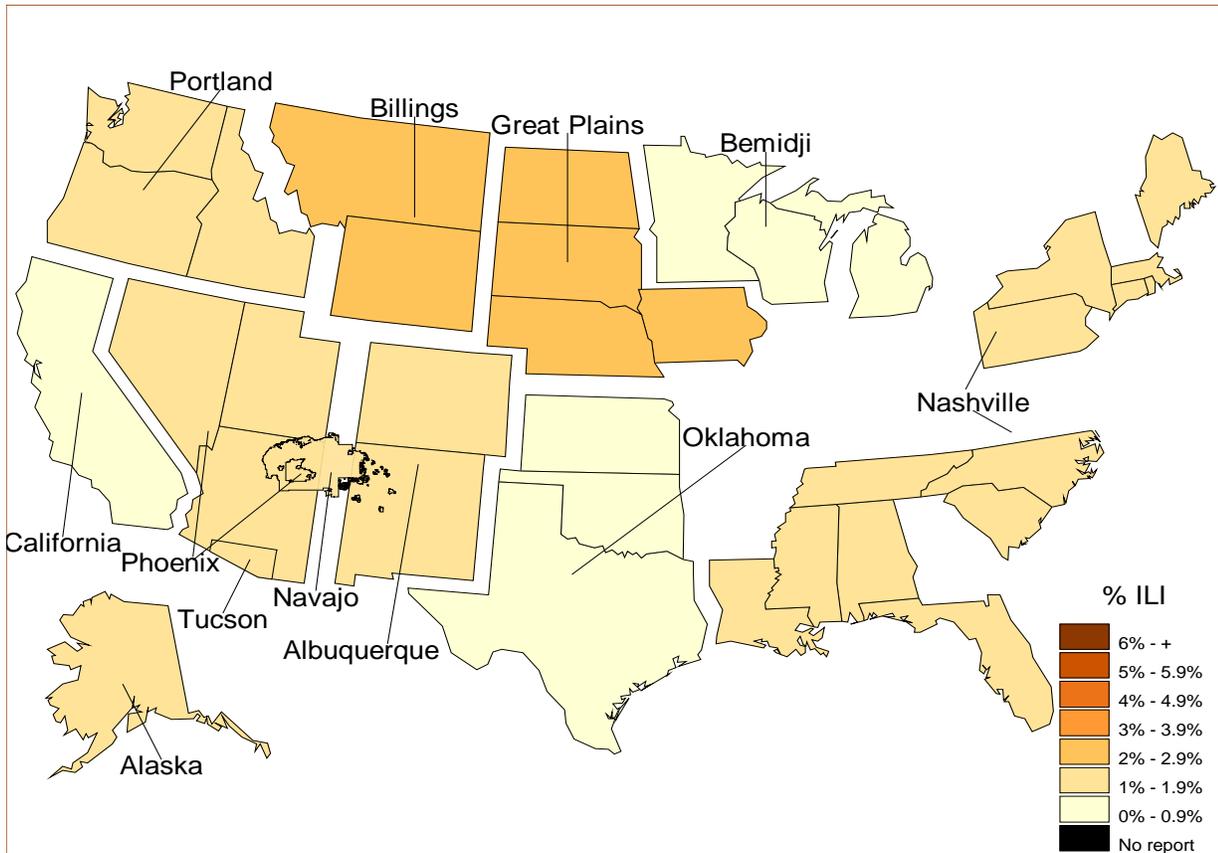
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 03/24/2018



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: 12



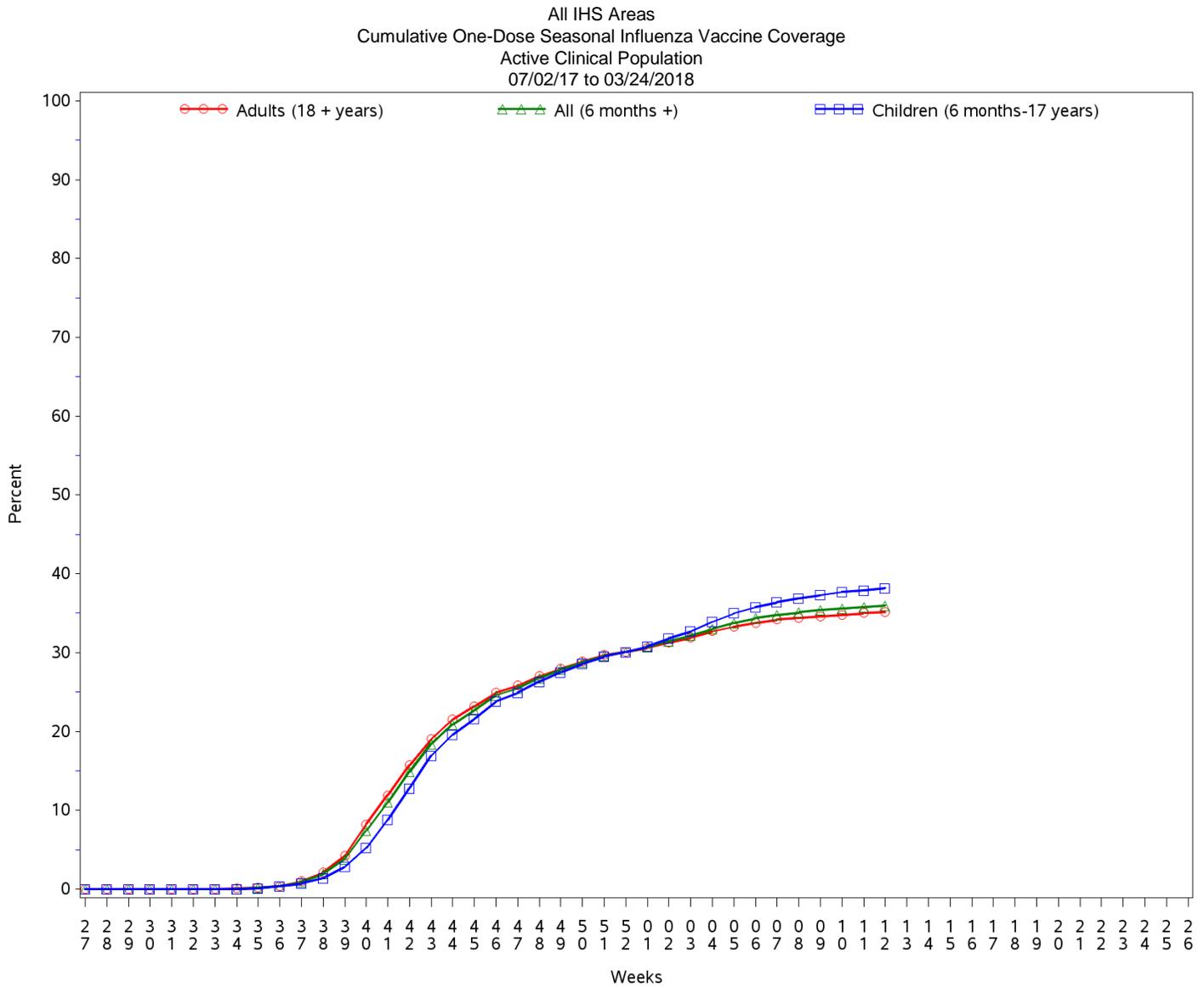
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 11	% in Week 12
NATIONAL	1.9	1.4
ALASKA	1.2	1.1
ALBUQUERQUE	1.6	1.2
BEMIDJI	1.3	0.6
BILLINGS	3.3	2.3
CALIFORNIA	1.4	0.9
GREAT PLAINS	2.1	2.1
NASHVILLE	2.6	1.5
NAVAJO	2.5	1.5
OKLAHOMA	1.0	0.7
PHOENIX	2.2	1.5
PORTLAND	0.9	1.0
TUCSON	1.2	1.6

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

IHS Influenza Vaccination Surveillance

- As of 03/24/2018, sites reporting to the IIAS have administered 348,050 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	4,218	93	2.2	0	0.0	93
6 - 23 months	20,621	12,928	62.7	4,162	20.2	17,124
2 - 4 years	51,286	17,701	34.5	720	1.4	18,454
5 - 17 years	196,643	72,017	36.6	441	0.2	72,648
18 - 49 years	403,177	111,573	27.7	622	0.2	112,536
50 - 64 years	170,875	73,403	43.0	403	0.2	74,063
65 + years	102,341	52,524	51.3	400	0.4	53,225
Children (6 months-17 years)	268,550	102,646	38.2	5,323	2.0	108,226
Adults (18 + years)	676,393	237,500	35.1	1,425	0.2	239,824
All (6 months +)	944,943	340,146	36.0	6,748	0.7	348,050

* 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-cc14pf	CVX 185 FLU-RIV4	CVX 186 FLU-cc14	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	1	41	430	5	101	0	5,129	0	1,122	573	2	0	48	0	0	0	0	40	7,492
ALB	1	218	1,930	54	1,260	0	13,387	17	9,314	1,108	1,184	2	12	51	129	0	0	68	28,735
BEM	1	139	449	23	474	0	6,252	4	5,489	444	6	19	8	45	0	0	0	65	13,418
BIL	0	87	1,520	4	151	0	12,715	5	3,071	453	133	0	137	261	2	0	0	93	18,632
CAO	6	441	1,806	62	1,578	0	8,188	2	5,041	476	99	1	693	1	15	0	0	196	18,605
GPA	1	389	1,577	8	1,406	1	18,232	30	11,424	2,254	4	3	256	39	9	0	0	101	35,734
NSA	2	132	358	20	440	0	5,042	5	5,992	368	512	1	88	20	4	0	0	224	13,208
NAV	11	406	2,208	24	1,773	2	29,117	12	50,532	2,728	775	0	24	68	24	0	0	178	87,882
OKC	7	2,884	3,249	7	2,792	2	12,035	15	24,270	3,118	482	1	2,268	19	33	0	0	81	51,263
PHX	0	988	1,832	22	484	0	23,093	13	13,621	877	6	2	12	22	3	0	0	137	41,112
POR	7	373	1,550	352	481	0	8,685	20	9,314	743	994	70	989	329	20	0	0	187	24,114
TUC	0	38	36	24	1	0	8,259	0	90	36	0	0	0	0	0	0	0	45	8,529
	37	6,136	16,945	605	10,941	5	150,134	123	139,280	13,178	4,197	99	4,535	855	239	0	0	1,415	348,724

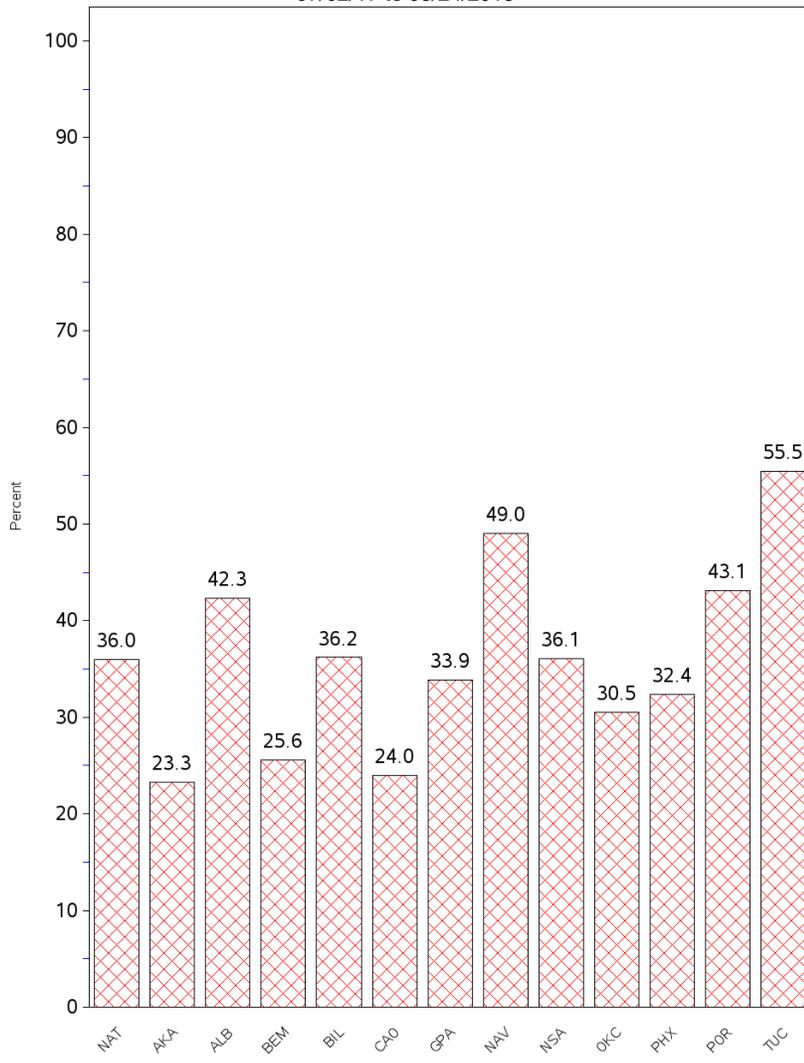
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 03/24/2018



- 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	144	247
ALASKA	5	29
ALBUQUERQUE	11	18
BEMIDJI	3	5
BILLINGS	12	19
CALIFORNIA	19	30
GREAT PLAINS	16	32
NASHVILLE	20	24
NAVAJO	8	22
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.