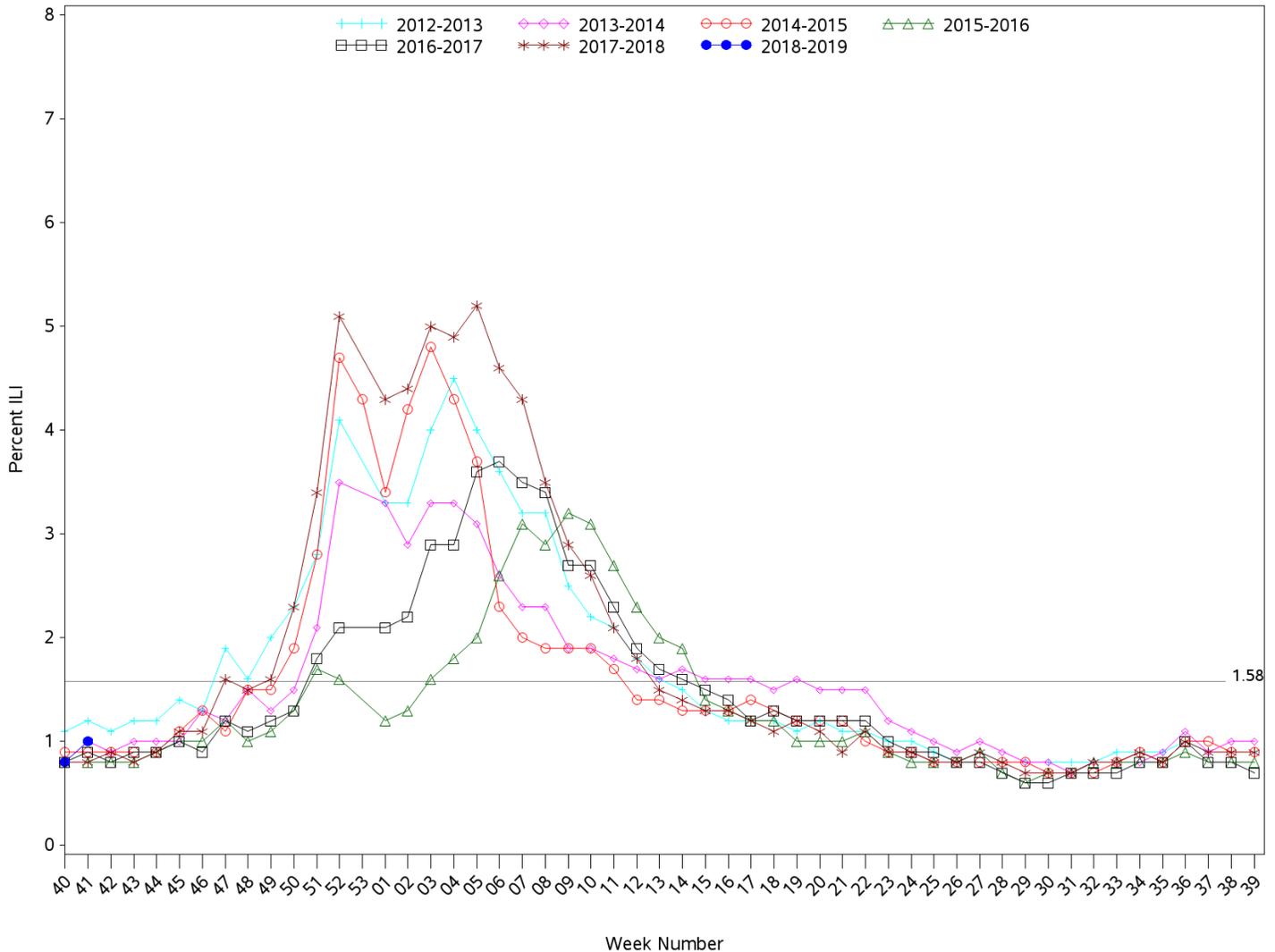




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
 (Week 41: 10/07/2018 – 10/13/2018)

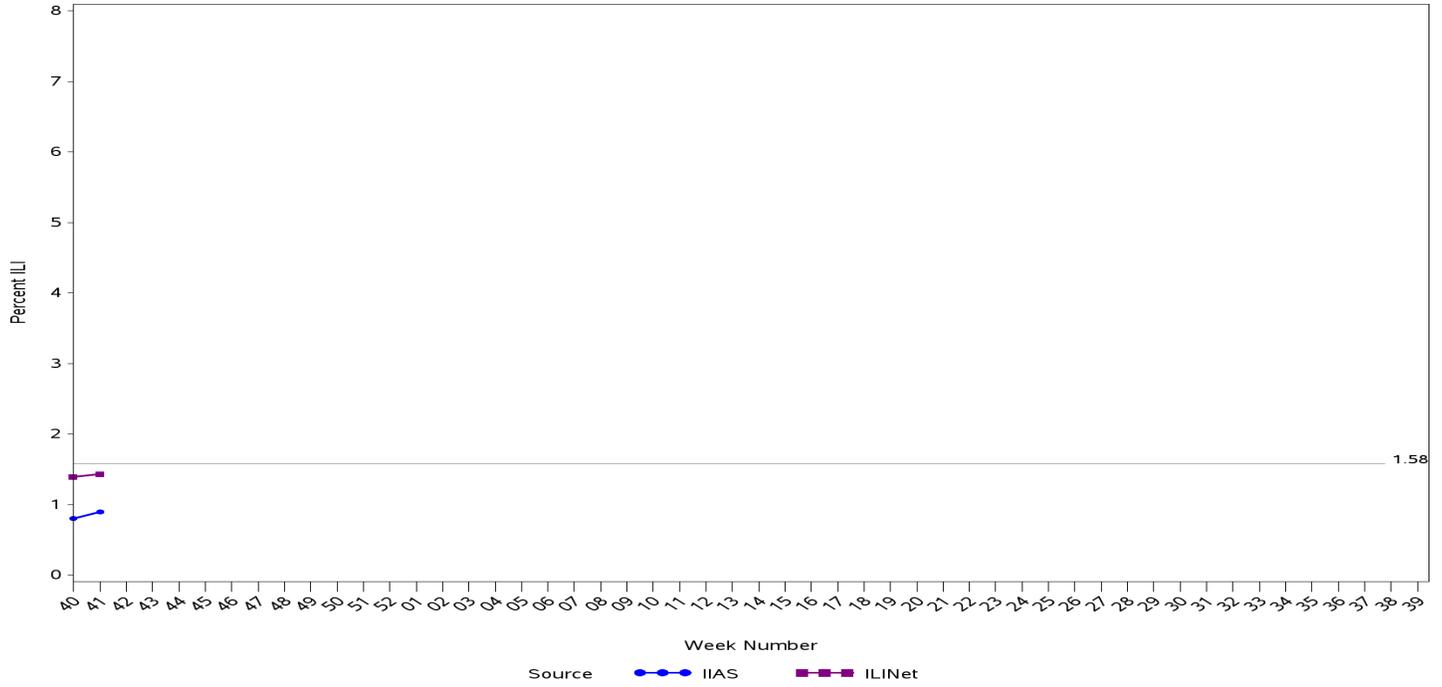
- Influenza-like-illness (ILI) activity in IHS is low and is at 1.0%, below the IHS baseline of 1.58%
 - No IHS regions reported having elevated ILI activity
- National ILI activity reported by CDC is low
 - CDC's ILINet ILI activity is 1.4% and is below the ILINet baseline (2.2%) and the IHS baseline (1.58%).
- To date, IHS has administered over 93,000 doses of influenza vaccine.
- Overall, 11% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for Current Surveillance Year and Previous Six Surveillance Years
 Percentage of Visits for ILI per week
 9/30/12 to 10/13/18



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2018-2019 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 2018 - 2019
 IIAS vs. ILINet
 9/30/18 to 10/13/2018



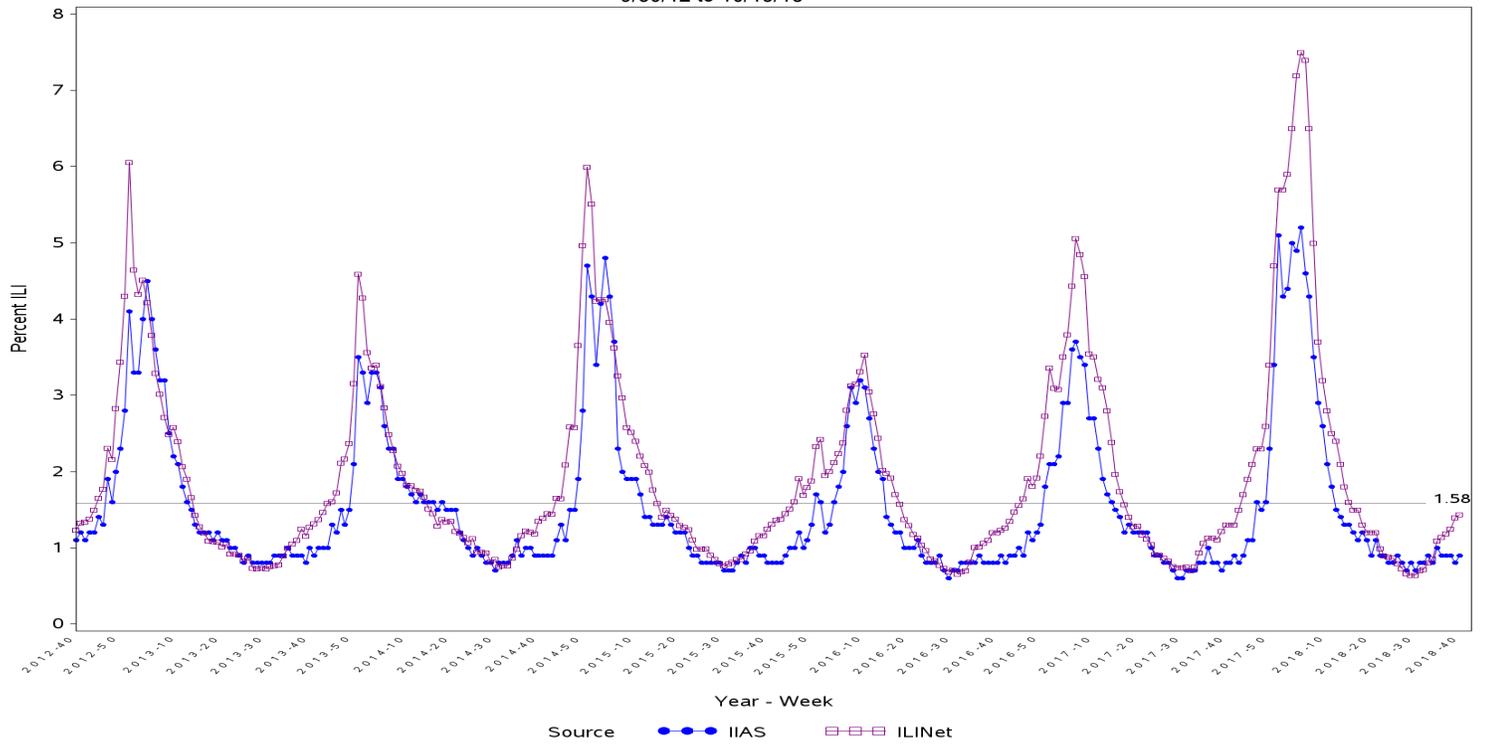
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 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) for Current Surveillance Year and Previous Six Years – Continuous
 Percentage of Visits for ILI per week
 IIAS vs. ILINet
 9/30/12 to 10/13/18



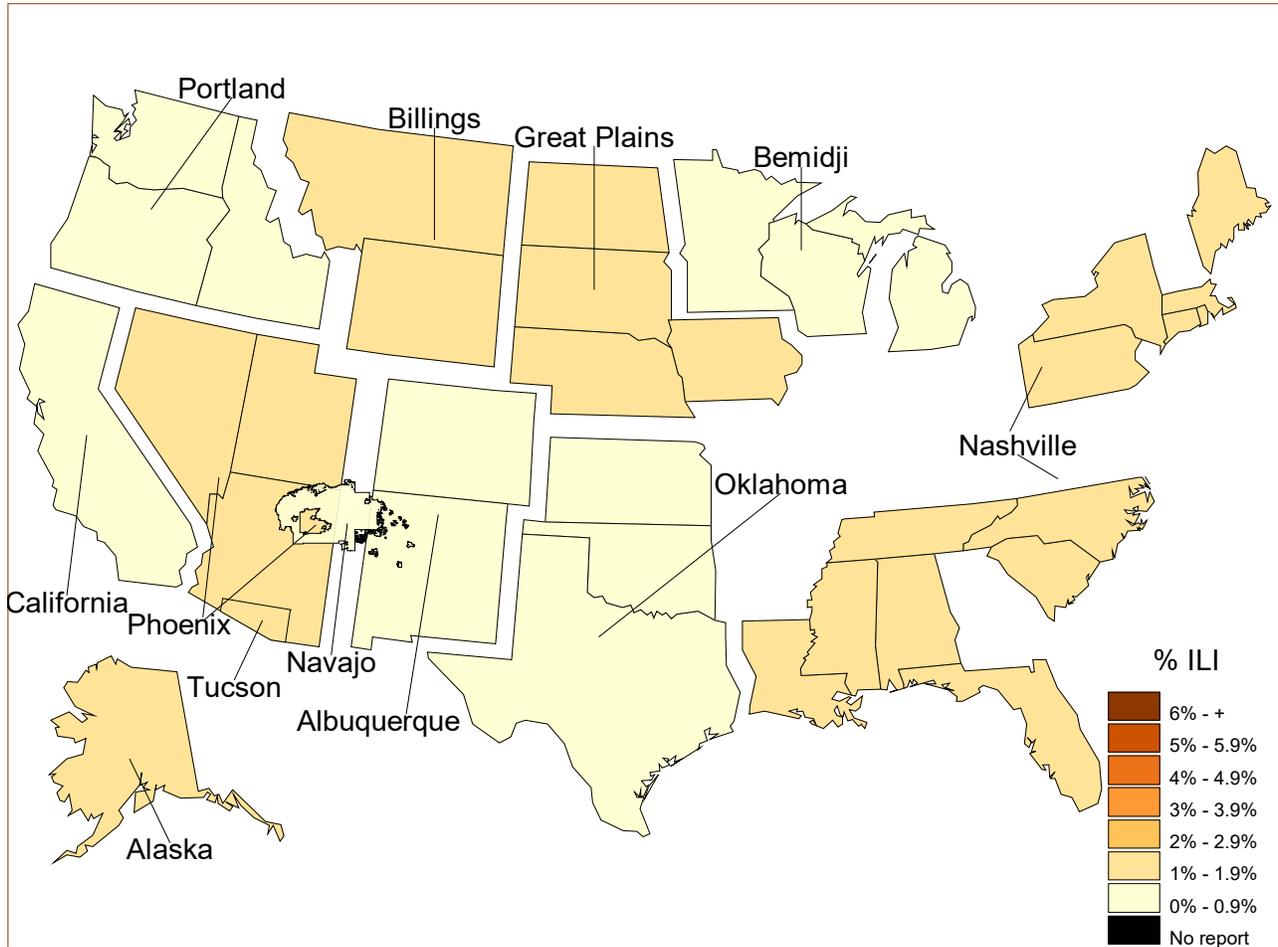
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 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: 41



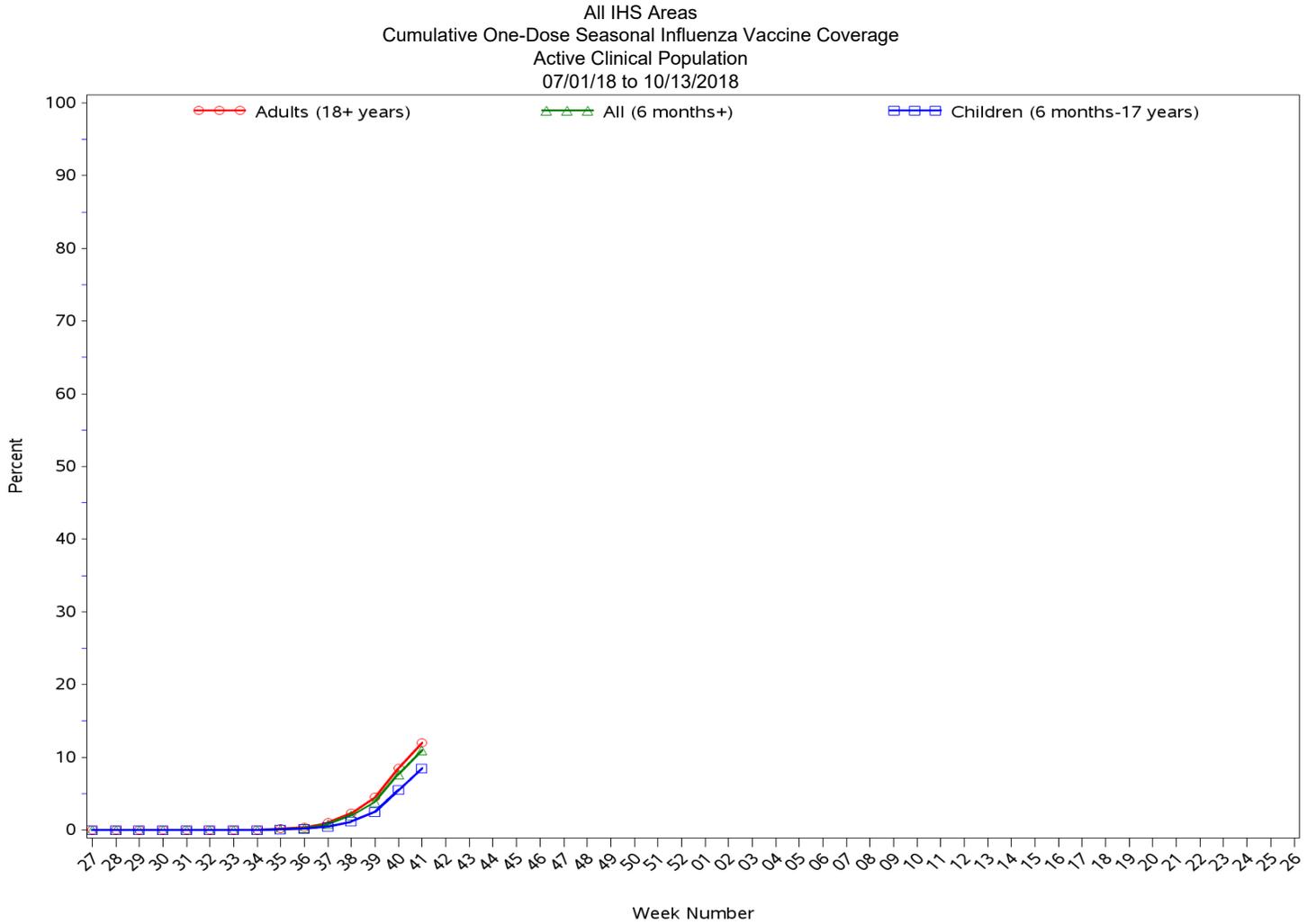
% Visits for ILI Compared to Previous Week

IHS Areas	Previous Week (40)	Current Week (41)
NATIONAL	0.8	1.0
ALASKA	0.8	1.2
ALBUQUERQUE	0.5	0.5
BEMIDJI	0.5	0.9
BILLINGS	0.8	1.1
CALIFORNIA	0.4	0.4
GREAT PLAINS	1.0	1.4
NASHVILLE	1.3	1.5
NAVAJO	0.7	0.9
OKLAHOMA	0.8	0.9
PHOENIX	1.2	1.1
PORTLAND	0.3	0.1
TUCSON	0.5	1.1

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

IHS Influenza Vaccination Surveillance

- As of 10/13/2018, sites reporting to the IIAS have administered 93,433 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	3,370	2	0.1	0	0.0	2
6 - 23 months	16,932	1,980	11.7	18	0.1	1,999
2 - 4 years	43,088	3,383	7.9	15	0.0	3,403
5 - 17 years	169,492	14,601	8.6	31	0.0	14,677
18 - 49 years	349,225	31,536	9.0	95	0.0	31,724
50 - 64 years	149,327	23,017	15.4	72	0.0	23,163
65 + years	91,920	18,267	19.9	87	0.1	18,467
Children (6 months-17 years)	229,512	19,964	8.7	64	0.0	20,079
Adults (18+ years)	590,472	72,820	12.3	254	0.0	73,354
All (6 months+)	819,984	92,784	11.3	318	0.0	93,433

* Limited to sites that exported both doses administered along with accompanying 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.

**** 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-LAIV4	CVX 150 FLU-IIV4pf	CVX 158 FLU-IIV4	CVX 161 IIV4pf ped	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	0	9	194	1	11	0	1,299	305	48	0	4	0	0	0	0	1	1,872
ALB	3	70	57	2	254	0	2,859	2,024	91	893	1	1	2	0	0	19	6,276
BEM	1	15	74	5	47	0	1,842	1,274	35	199	1	9	1	0	0	24	3,527
BIL	0	43	630	1	58	9	3,299	813	26	0	1	1	0	0	0	10	4,891
CAO	4	442	434	1	165	0	1,476	327	36	70	54	0	16	0	0	79	3,104
GPA	2	66	494	1	274	0	5,682	4,852	62	236	144	26	2	0	0	39	11,880
NSA	12	75	124	0	137	0	1,359	2,007	135	181	1	1	28	0	0	92	4,152
NAV	6	55	994	2	120	0	13,612	8,558	460	1	60	8	11	0	0	57	23,944
OKC	39	553	431	7	467	7	9,112	2,952	245	1,040	8	17	0	0	0	62	14,940
PHX	2	896	400	34	147	0	4,996	3,827	84	690	1	48	2	0	0	32	11,159
POR	12	67	283	22	91	0	3,659	1,462	79	214	53	257	16	0	0	31	6,246
TUC	1	18	7	0	0	0	1,649	50	1	0	0	0	0	0	0	9	1,735
	82	2,309	4,122	76	1,771	16	50,844	28,451	1,302	3,524	328	368	78	0	0	455	93,726

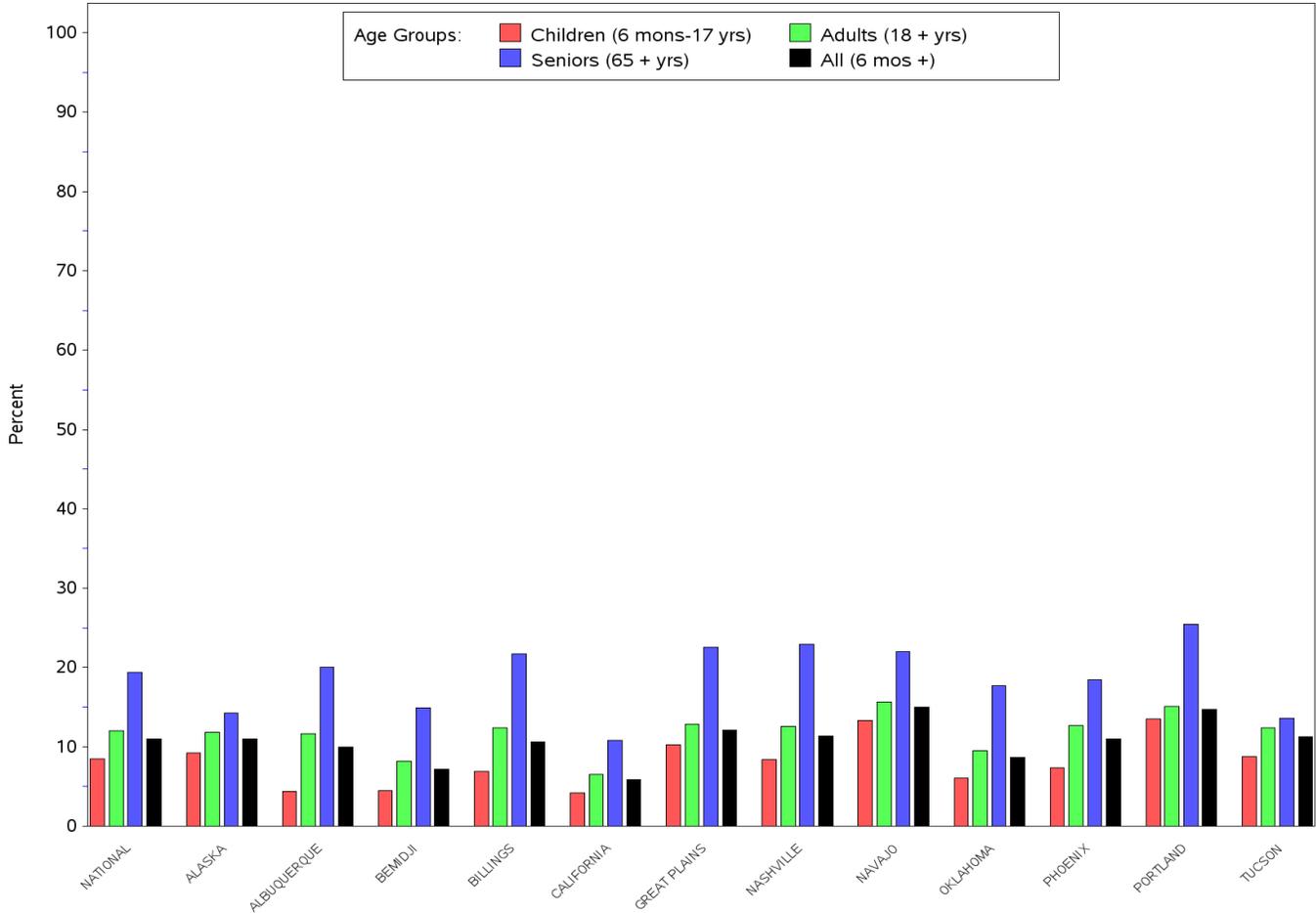
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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 (Children, Adults, Seniors and All)
 % Seasonal Flu (At least 1 dose) for Active Clinical Population
 07/01/18 to 10/13/2018



All IHS Areas
 Influenza Vaccine Coverage by Age Groups (Children, Adults, Seniors and All)
 % Seasonal Flu (At least 1 dose) for Active Clinical Population
 07/01/18 to 10/13/2018

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mons+)
NATIONAL	8.7	12.3	19.9	11.3
ALASKA	9.6	13.1	15.1	12.0
ALBUQUERQUE	4.5	11.9	20.3	10.2
BEMIDJI	5.0	8.5	15.5	7.5
BILLINGS	7.0	12.8	22.4	10.9
CALIFORNIA	4.3	6.8	11.3	6.2
GREAT PLAINS	10.5	13.2	23.1	12.3
NASHVILLE	8.4	12.8	23.4	11.5
NAVAJO	13.4	15.9	22.3	15.2
OKLAHOMA	6.2	10.0	18.5	9.1
PHOENIX	7.6	12.9	18.9	11.2
PORTLAND	13.6	15.4	26.2	15.0
TUCSON	8.9	12.7	13.8	11.5

- 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	244
ALASKA	4	25
ALBUQUERQUE	10	17
BEMIDJI	11	16
BILLINGS	11	18
CALIFORNIA	16	25
GREAT PLAINS	16	32
NASHVILLE	20	25
NAVAJO	7	19
OKLAHOMA	18	25
PHOENIX	14	22
PORTLAND	14	16
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.