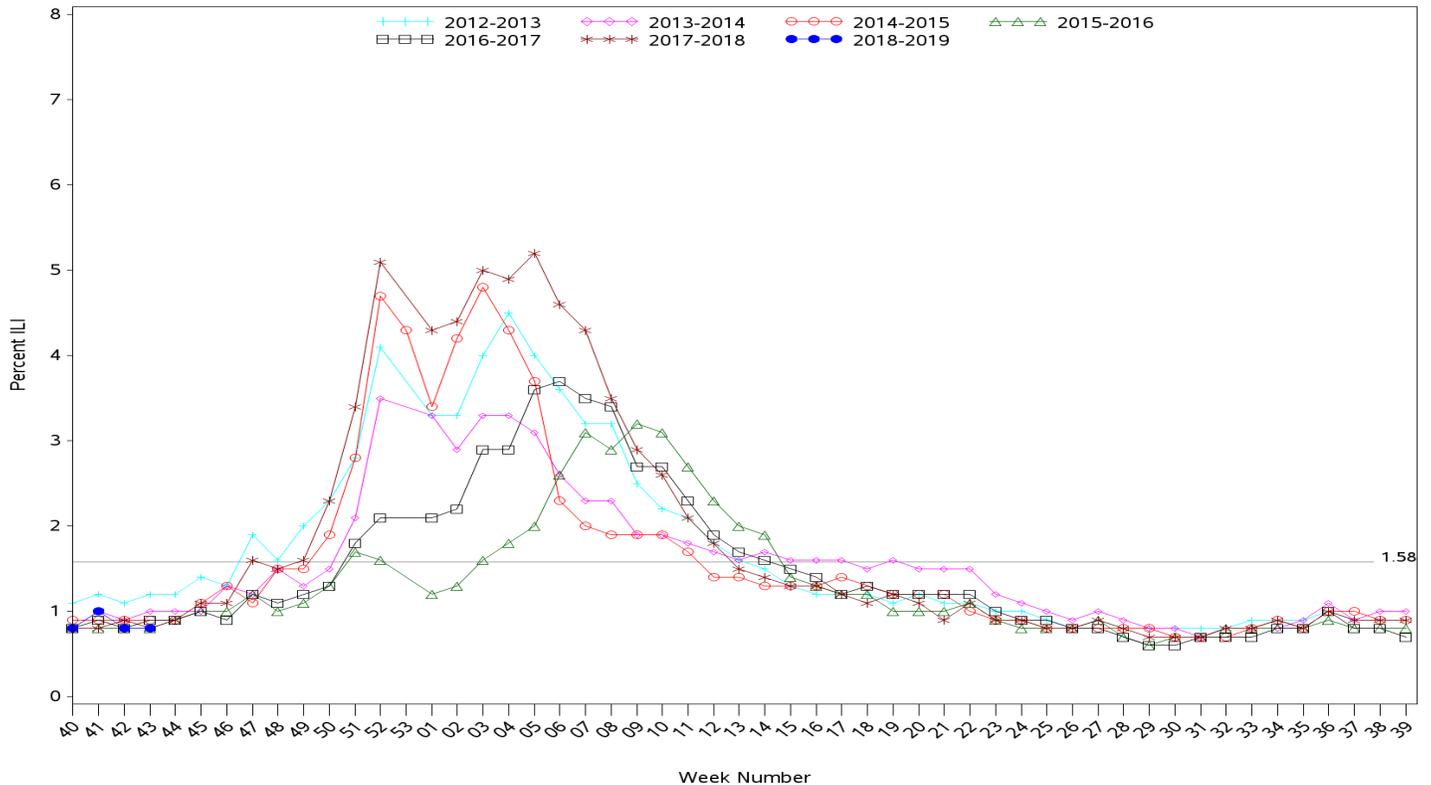




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 43: 10/21/2018 – 10/27/2018)

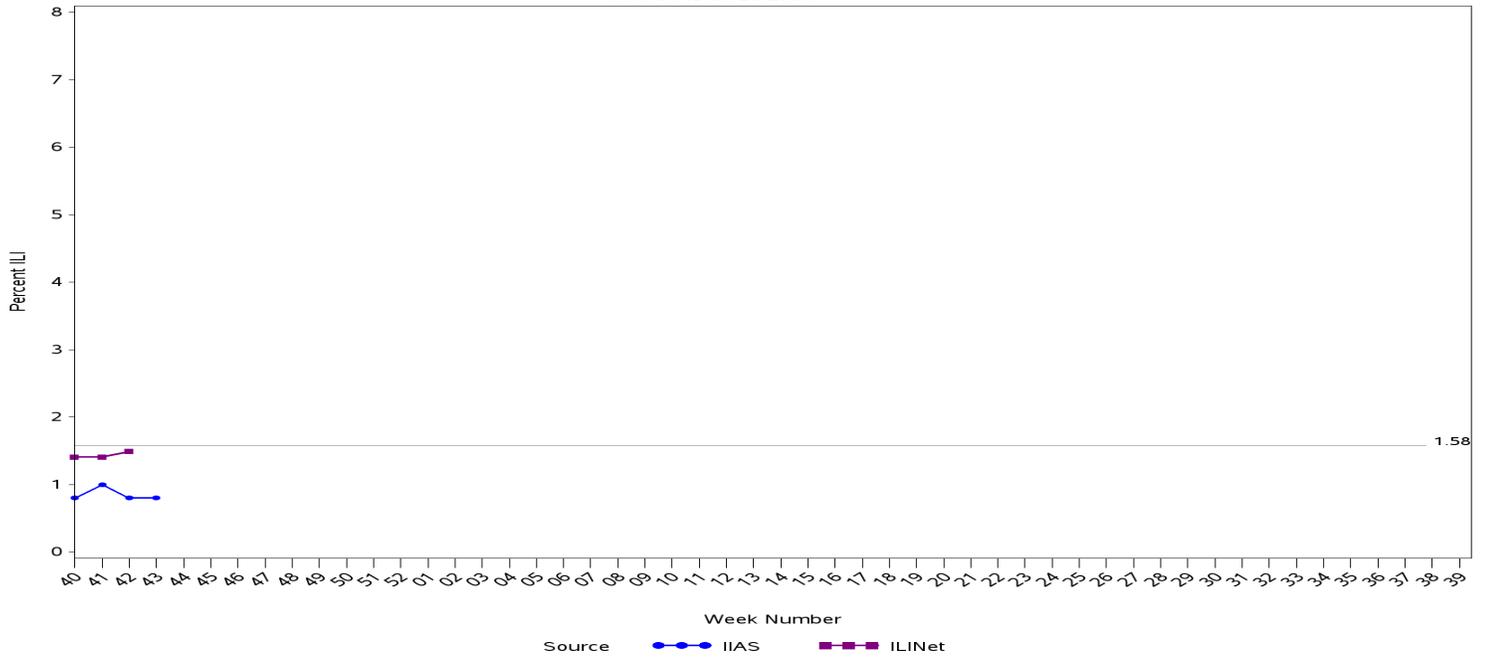
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.8%, below the IHS baseline of 1.58%
 - No IHS regions report having elevated ILI activity
- National ILI activity reported by CDC is low
 - CDC's ILINet ILI activity is 1.7% and is below the ILINet baseline (2.2%) but above the IHS baseline (1.58%).
- To date, IHS has administered over 155,000 doses of influenza vaccine.
- Overall, 18.8% 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 10/27/18



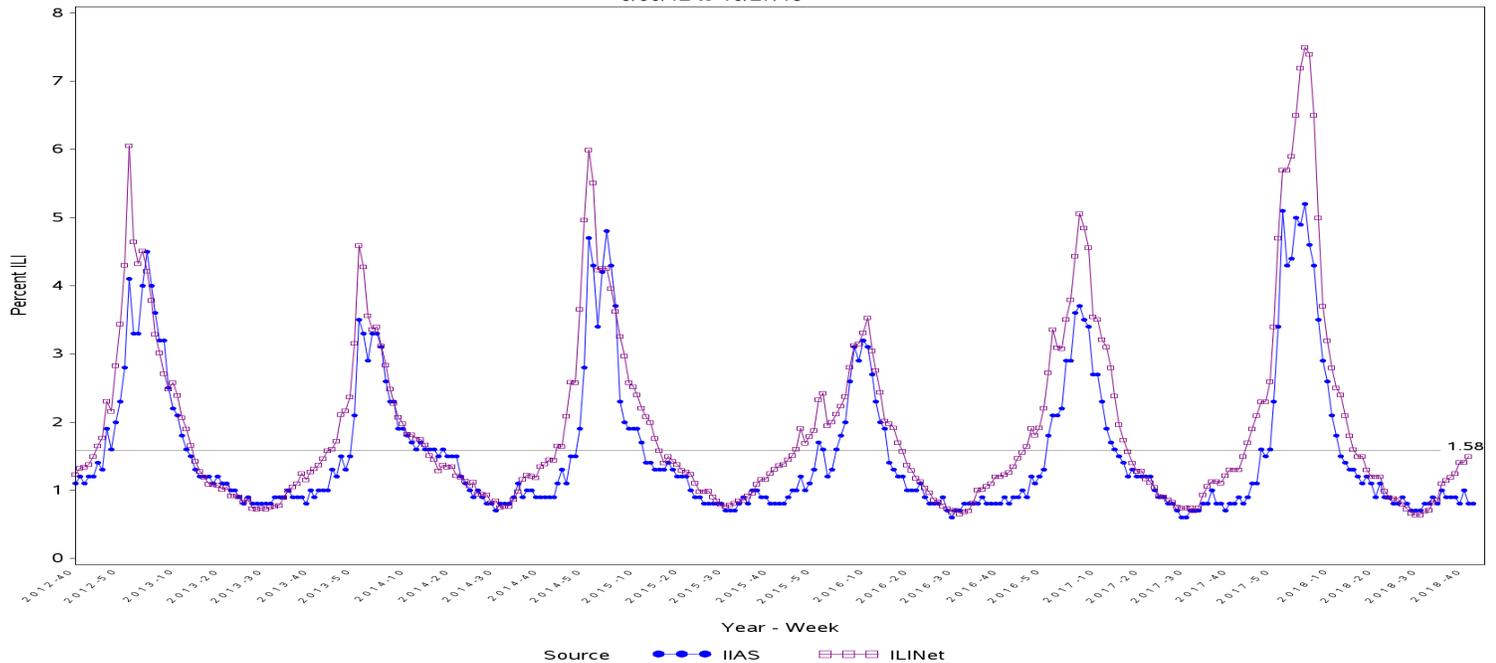
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2018-2019 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2018 - 2019
 IIAS vs. ILINet
 9/30/18 to 10/27/2018



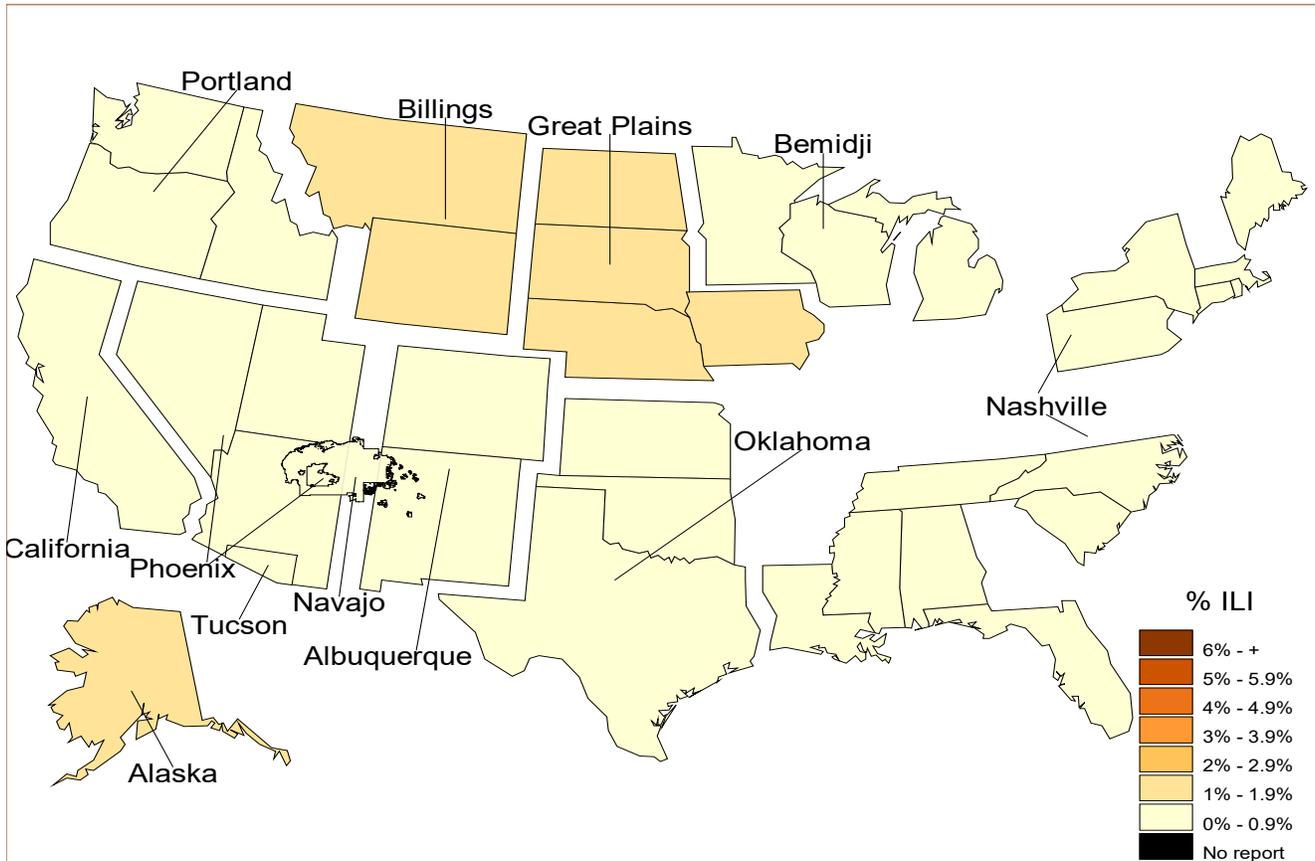
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 10/27/18



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: 43



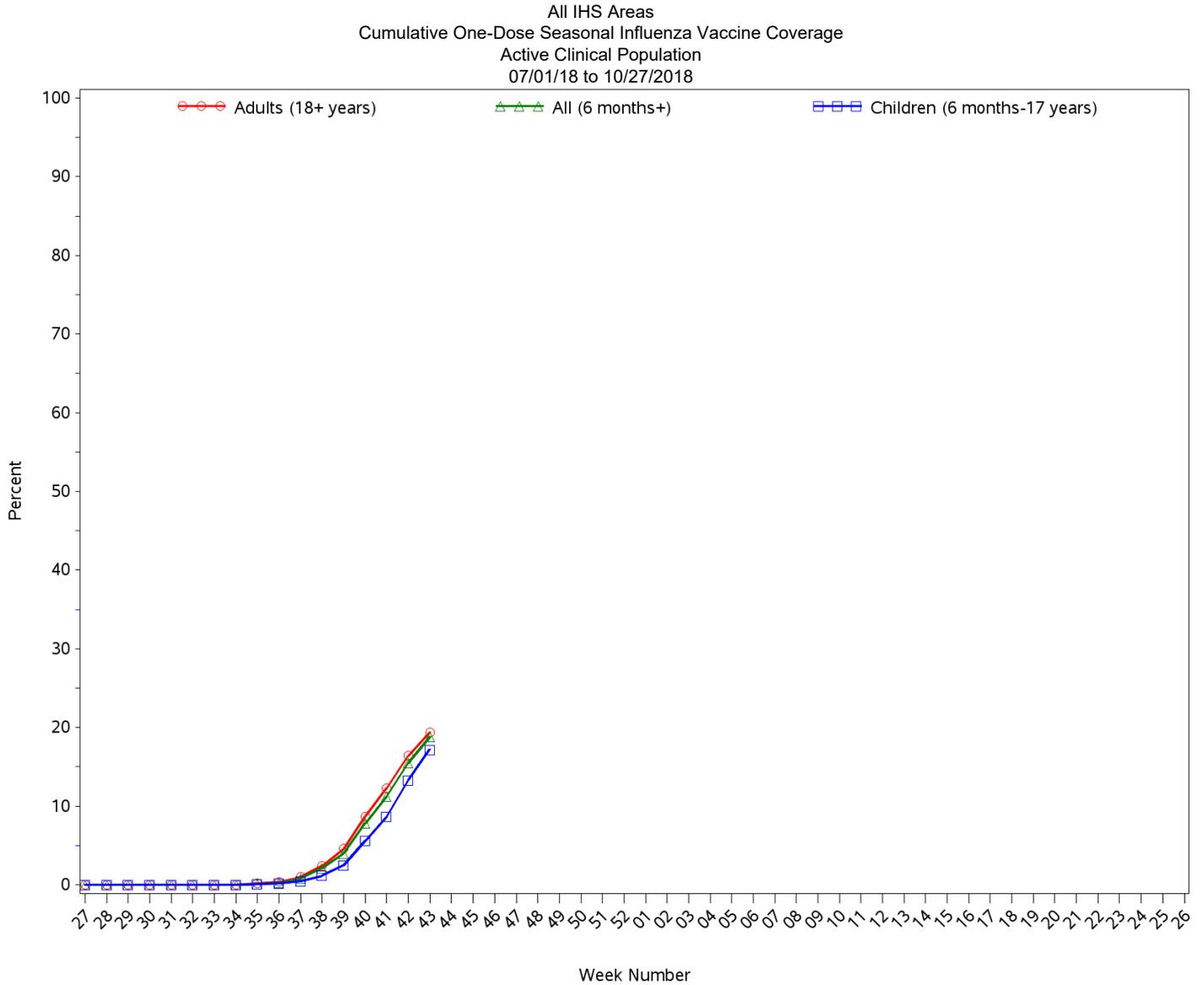
% Visits for ILI Compared to Previous Week

IHS Areas	Previous Week (42)	Current Week (43)
NATIONAL	0.8	0.8
ALASKA	1.2	1.1
ALBUQUERQUE	0.6	0.4
BEMIDJI	0.4	0.5
BILLINGS	0.9	1.1
CALIFORNIA	0.2	0.3
GREAT PLAINS	1.3	1.4
NASHVILLE	1.3	0.9
NAVAJO	0.6	0.8
OKLAHOMA	0.6	0.7
PHOENIX	0.8	0.9
PORTLAND	0.5	0.4
TUCSON	0.8	0.4

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

IHS Influenza Vaccination Surveillance

- As of 10/27/2018, sites reporting to the IIAS have administered 155,332 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	10	0.3	5	0.1	15
6 - 23 months	16,932	3,560	21.0	79	0.5	3,646
2 - 4 years	43,090	6,286	14.6	28	0.1	6,328
5 - 17 years	169,502	29,707	17.5	79	0.0	29,873
18 - 49 years	349,367	50,319	14.4	148	0.0	50,627
50 - 64 years	149,403	36,066	24.1	125	0.1	36,315
65 + years	91,946	28,232	30.7	131	0.1	28,543
Children (6 months-17 years)	229,524	39,553	17.2	186	0.1	39,847
Adults (18 + years)	590,716	114,617	19.4	404	0.1	115,485
All (6 months +)	820,240	154,170	18.8	590	0.1	155,332

* 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	11	233	1	11	0	1,545	344	69	0	13	0	0	0	0	6	2,233
ALB	9	91	76	2	370	0	5,086	4,296	177	1,360	8	2	4	0	0	30	11,511
BEM	4	19	82	5	63	28	2,648	1,983	66	261	1	10	1	0	0	27	5,198
BIL	0	50	898	1	69	163	5,906	1,296	47	0	1	1	0	0	0	16	8,448
CAO	4	613	727	1	227	0	2,069	522	40	83	191	0	44	0	0	103	4,624
GPA	5	80	757	1	399	0	8,844	7,010	114	346	297	42	2	0	0	56	17,953
NSA	16	101	194	0	160	0	2,706	3,287	211	319	2	11	31	0	0	141	7,179
NAV	6	78	1,538	6	155	0	25,138	13,281	756	1	125	13	14	0	0	79	41,190
OKC	47	706	697	7	575	15	16,345	5,449	687	1,583	22	25	2	0	0	101	26,261
PHX	5	999	582	39	190	0	9,073	6,021	177	1,140	1	83	2	0	0	45	18,357
POR	24	80	393	33	109	59	5,211	2,361	162	316	77	357	125	0	0	46	9,353
TUC	1	19	12	0	0	0	3,377	64	1	0	0	1	0	0	0	25	3,500
	121	2,847	6,189	96	2,328	265	87,948	45,914	2,507	5,409	738	545	225	0	0	675	155,807

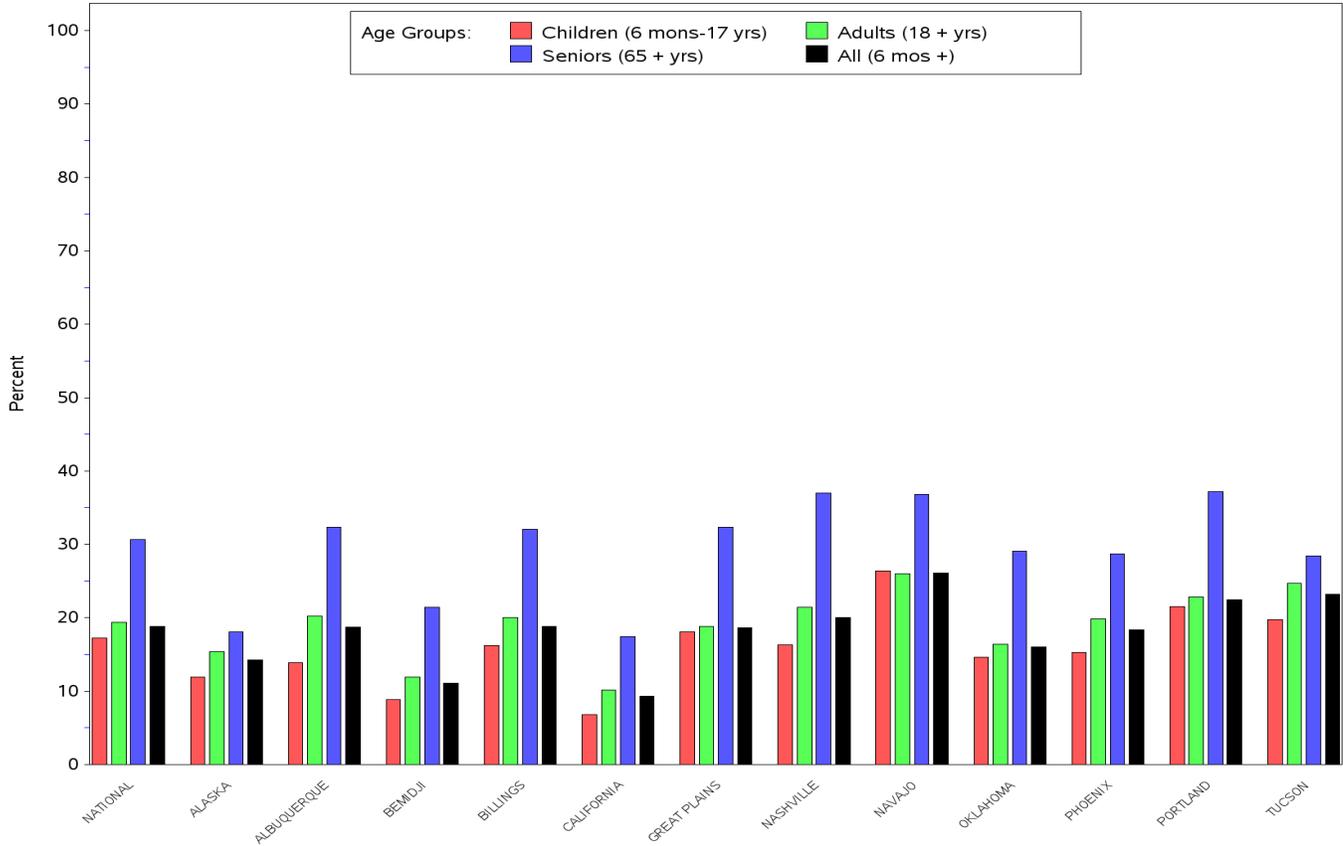
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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 10/27/2018



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 10/27/2018

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mons +)
NATIONAL	17.2	19.4	30.7	18.8
ALASKA	11.9	15.4	18.1	14.3
ALBUQUERQUE	13.9	20.2	32.3	18.7
BEMIDJI	8.9	11.9	21.4	11.1
BILLINGS	16.2	20.0	32.1	18.8
CALIFORNIA	6.8	10.2	17.4	9.3
GREAT PLAINS	18.1	18.8	32.3	18.6
NASHVILLE	16.3	21.4	37.0	20.0
NAVAJO	26.4	26.0	36.8	26.1
OKLAHOMA	14.6	16.4	29.1	16.0
PHOENIX	15.3	19.9	28.7	18.4
PORTLAND	21.5	22.8	37.2	22.5
TUCSON	19.8	24.7	28.4	23.2

- 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	135	242
ALASKA	4	28
ALBUQUERQUE	10	17
BEMIDJI	6	12
BILLINGS	11	19
CALIFORNIA	15	24
GREAT PLAINS	16	32
NASHVILLE	20	24
NAVAJO	7	19
OKLAHOMA	18	26
PHOENIX	13	21
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.