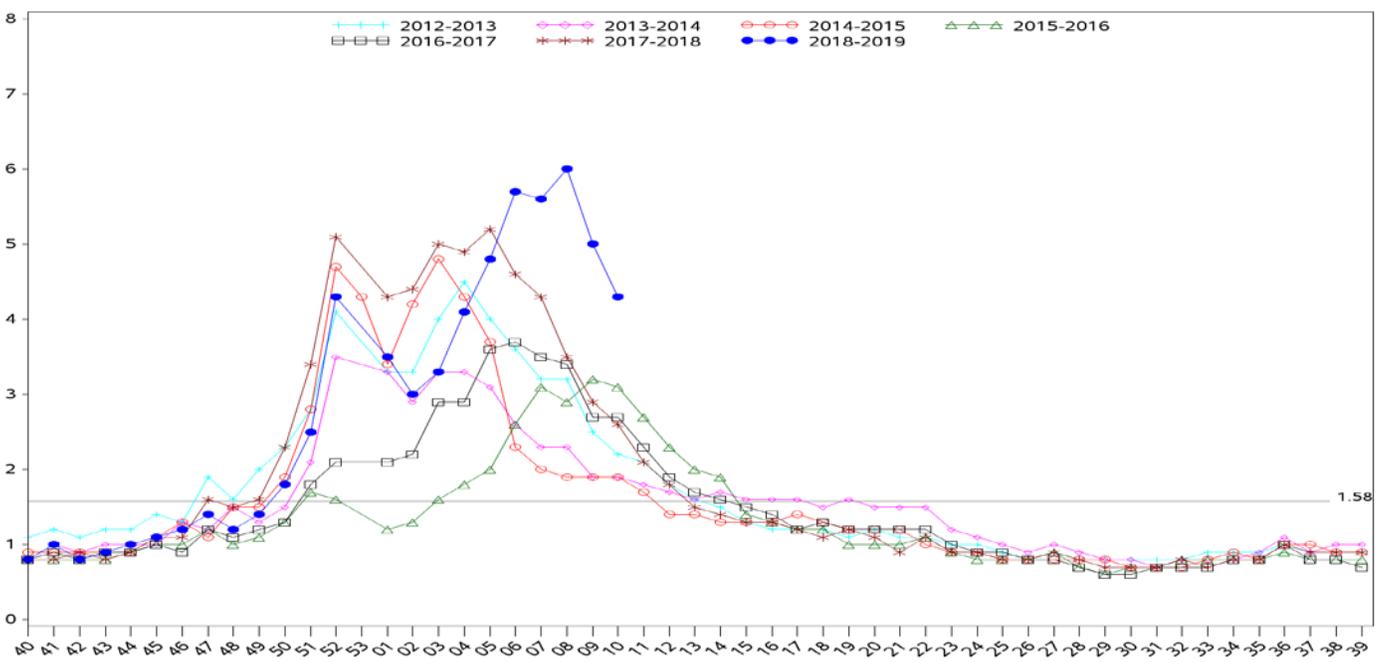




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 10: 03/03/2019 – 03/09/2019)

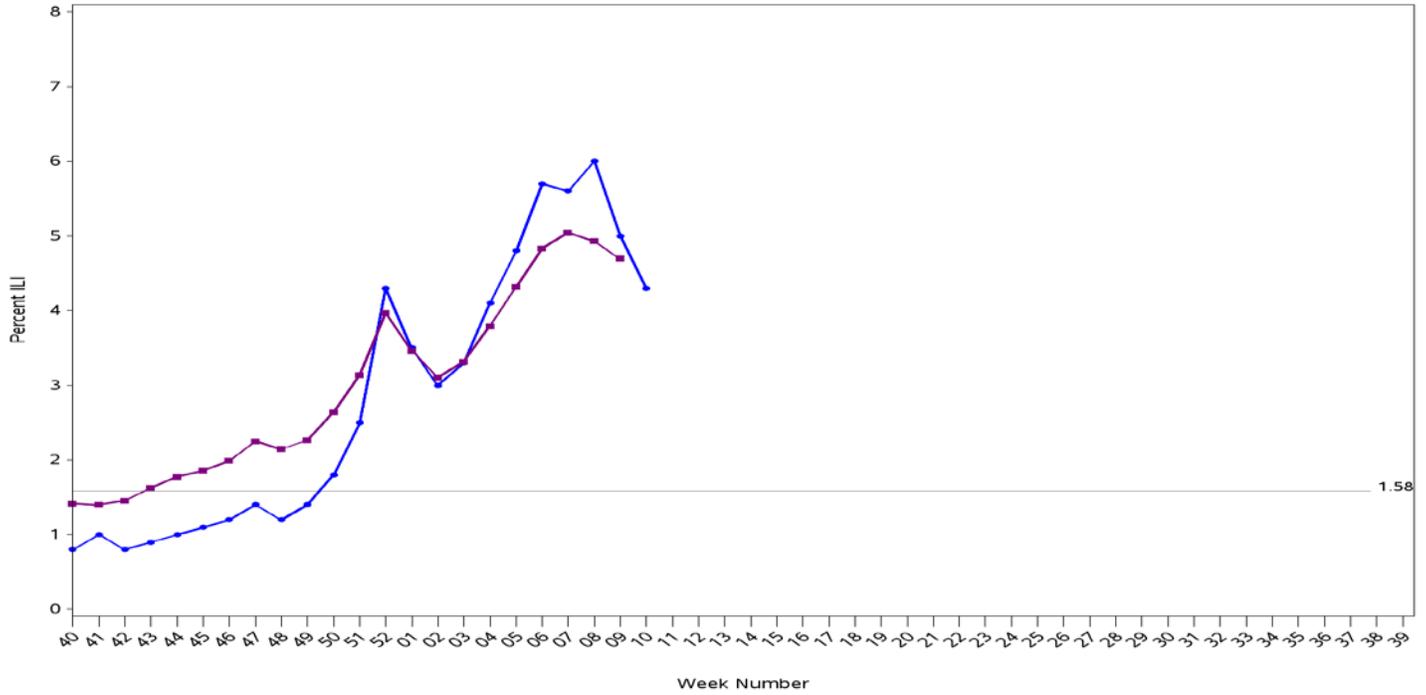
- Influenza-like-illness (ILI) activity in IHS is high at 4.3%, above the IHS baseline of 1.58%
 - Eleven IHS Areas reported having elevated ILI activity
- National ILI activity reported by CDC is high
 - CDC's ILINet ILI activity for week 09 was 4.7%, above the ILINet baseline (2.2%) and the IHS baseline (1.58%).
- To date, IHS has administered 307,063 doses of influenza vaccine.
- Overall, 35.3% 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
09/30/2012 to 03/09/2019



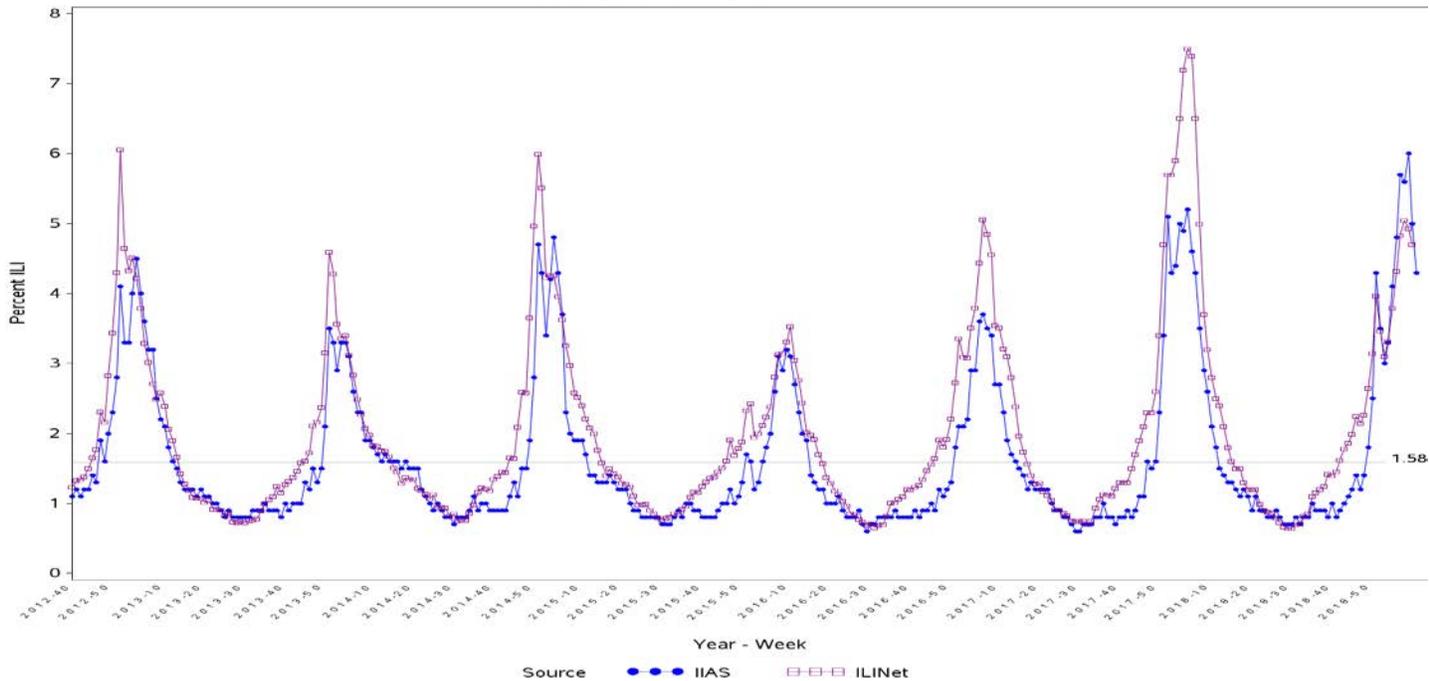
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

**Percent ILI for Flu Year 2018 - 2019
IIAS vs. ILINet
09/30/2018 to 03/09/2019**



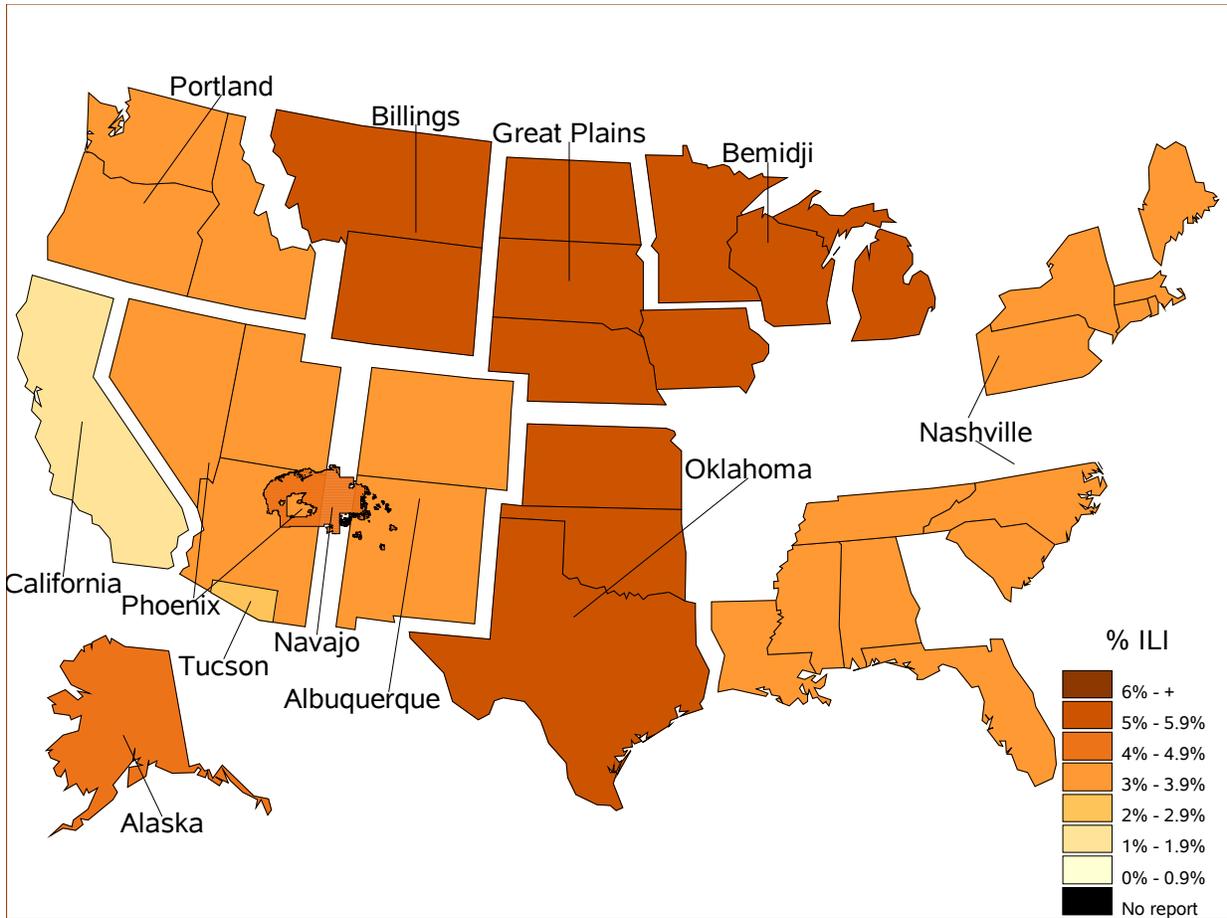
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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
09/30/2012 to 03/09/2019**



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: 10**



Percentage of Visits for ILI Compared to Previous Week

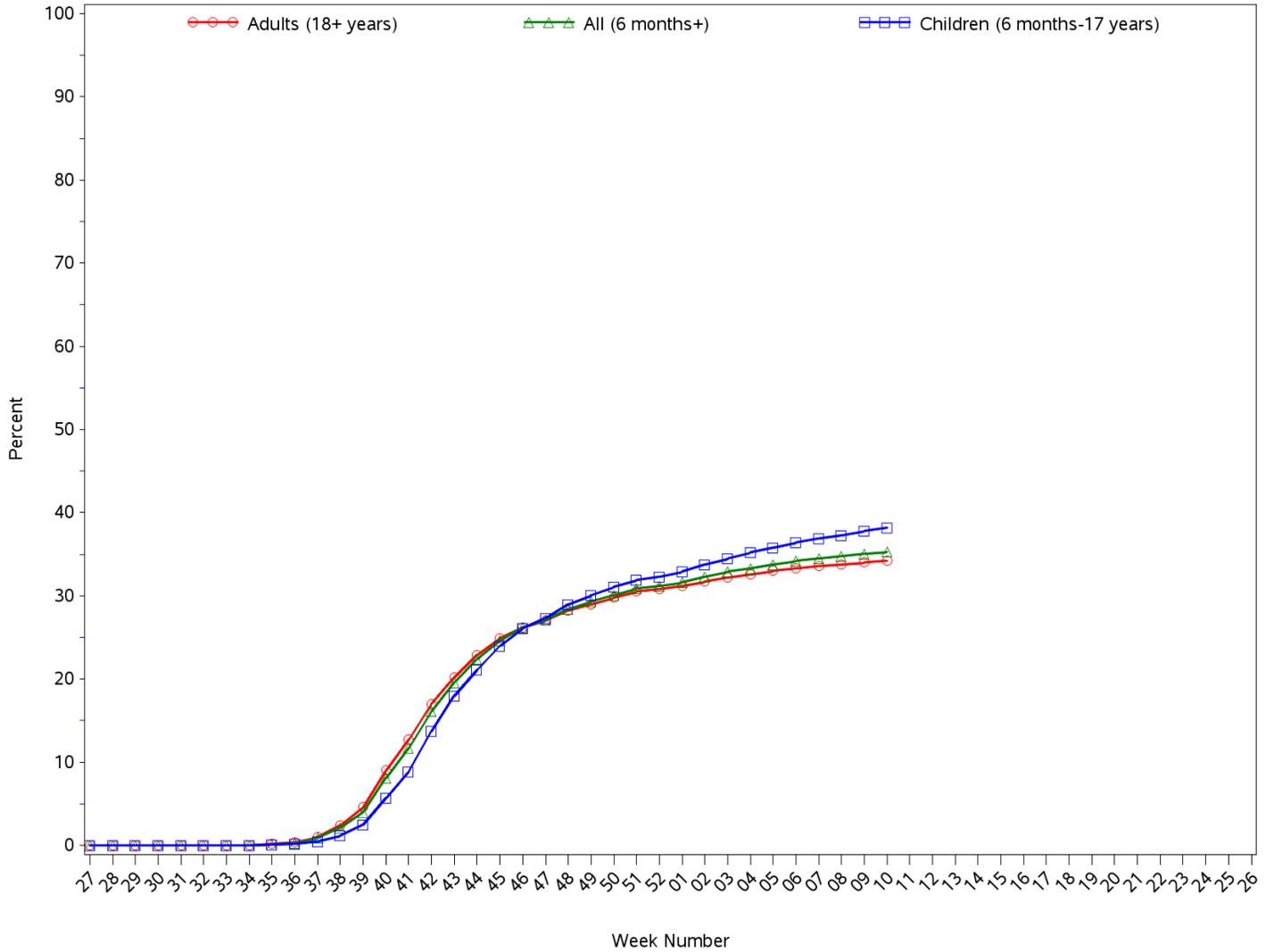
IHS Areas	Previous Week (9)	Current Week (10)
NATIONAL	5.0	4.3
ALASKA	5.2	4.5
ALBUQUERQUE	3.8	3.8
BEMIDJI	4.5	5.0
BILLINGS	7.5	5.9
CALIFORNIA	1.8	1.1
GREAT PLAINS	6.7	5.0
NASHVILLE	4.8	3.7
NAVAJO	5.2	4.6
OKLAHOMA	5.3	5.1
PHOENIX	3.7	3.5
PORTLAND	4.3	3.7
TUCSON	2.4	2.7

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

IHS Influenza Vaccination Surveillance

As of 03/09/2019, sites reporting to the IIAS have administered 307,063 doses (1st and 2nd) of seasonal influenza vaccine to Active Clinical patients.

All IHS Areas
Cumulative One-Dose Seasonal Influenza Vaccine Coverage
Active Clinical Population
07/01/2018 to 03/09/2019



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	3,582	48	1.3	4	0.1	52
6 - 23 months	16,974	10,671	62.9	3,329	19.6	14,044
2 - 4 years	44,301	15,118	34.1	575	1.3	15,732
5 - 17 years	175,933	64,765	36.8	406	0.2	65,384
18 - 49 years	361,421	98,390	27.2	496	0.1	99,259
50 - 64 years	154,641	64,324	41.6	384	0.2	64,993
65 + years	96,346	46,957	48.7	362	0.4	47,651
Children (6 months-17 years)	237,208	90,554	38.2	4,310	1.8	95,160
Adults (18+ years)	612,408	209,671	34.2	1,242	0.2	211,903
All (6 months+)	849,616	300,225	35.3	5,552	0.7	307,063

* 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	48	365	3	30	0	2,698	435	210	1	55	10	0	0	0	14	3,869
ALB	49	297	142	43	1,644	1	11,341	7,581	729	2,127	182	37	17	0	0	120	24,310
BEM	6	54	129	11	230	39	4,489	3,171	239	336	2	69	0	0	0	41	8,816
BIL	7	179	1,292	1	252	796	12,390	3,401	317	1	5	7	4	0	0	48	18,700
CAO	51	1,283	1,499	3	632	0	4,116	1,787	382	103	506	1	127	0	0	175	10,665
GPA	20	351	1,071	6	802	0	16,117	12,410	576	600	407	94	15	0	0	140	32,609
NSA	52	205	252	5	346	13	5,629	5,510	513	505	25	33	73	0	0	277	13,438
NAV	38	424	2,647	24	722	2	50,200	20,662	2,207	3	324	48	16	0	0	139	77,456
OKC	121	3,209	1,133	11	2,303	37	31,691	10,429	1,371	2,346	72	41	5	0	0	207	52,976
PHX	18	1,723	833	41	474	0	22,004	11,372	783	1,934	14	192	3	0	0	93	39,484
POR	40	258	613	69	249	160	9,553	4,880	497	498	189	419	280	0	0	68	17,773
TUC	3	56	34	4	1	0	7,826	108	12	0	0	4	0	0	0	44	8,092
	405	8,087	10,010	221	7,685	1,048	178,054	81,746	7,836	8,454	1,781	955	540	0	0	1,366	308,188

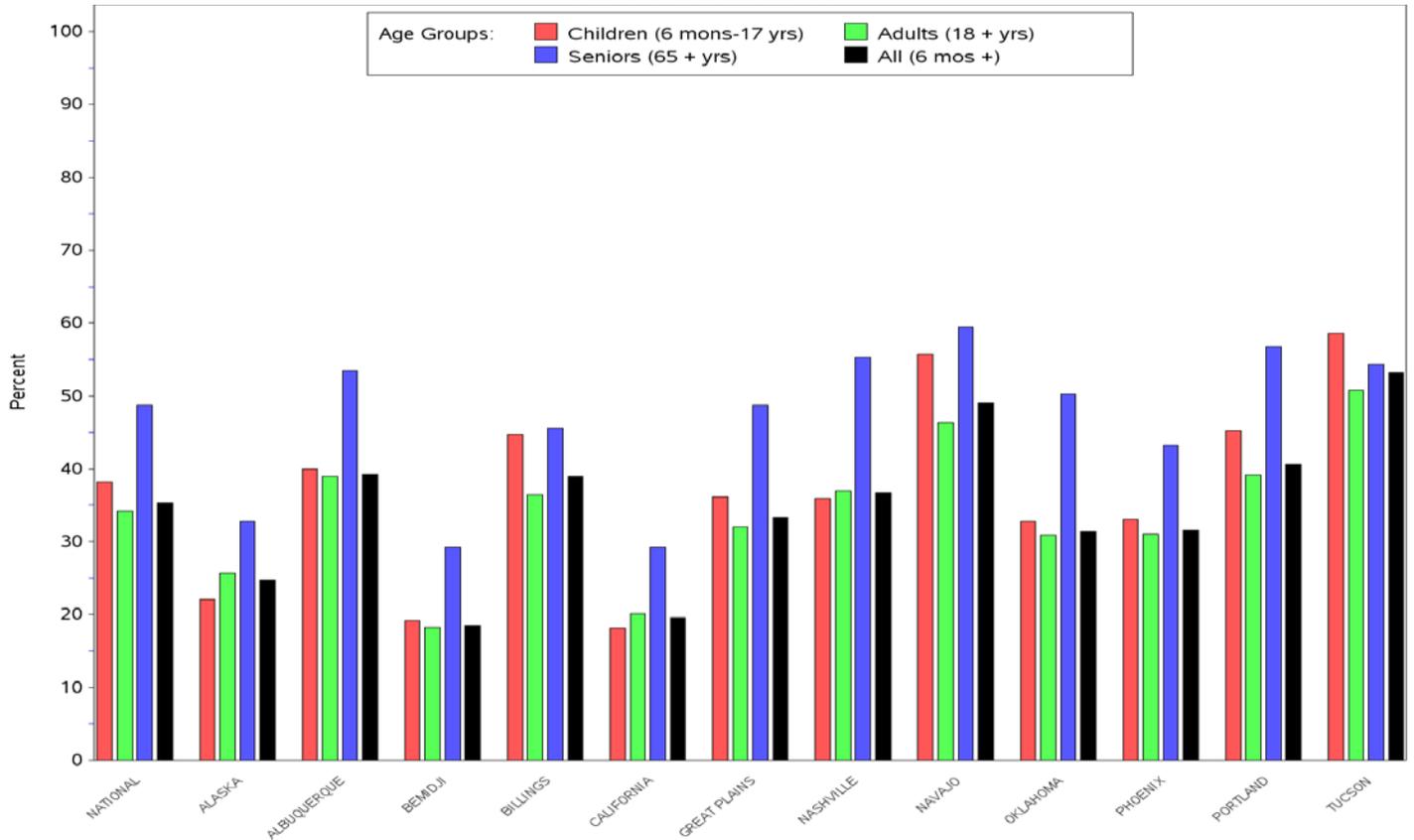
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cciIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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
07/01/2018 to 03/09/2019



All IHS Areas
Influenza Vaccine Coverage by Age Groups (Children, Adults, Seniors and All)
% Seasonal Flu (At least 1 dose) for Active Clinical Population
07/01/2018 to 03/09/2019

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mos+)
NATIONAL	38.2	34.2	48.7	35.3
ALASKA	22.1	25.7	32.8	24.7
ALBUQUERQUE	40.0	39.0	53.5	39.2
BEMIDJI	19.2	18.3	29.3	18.5
BILLINGS	44.7	36.4	45.6	39.0
CALIFORNIA	18.2	20.1	29.3	19.6
GREAT PLAINS	36.2	32.1	48.7	33.4
NASHVILLE	36.0	37.0	55.3	36.7
NAVAJO	55.7	46.3	59.5	49.0
OKLAHOMA	32.8	30.9	50.2	31.4
PHOENIX	33.1	31.0	43.2	31.6
PORTLAND	45.2	39.1	56.8	40.6
TUCSON	58.6	50.8	54.3	53.2

Number of RPMS Databases Reporting for Week 10, 2019

IHS Area	# of RPMS Databases Reporting*	# of Facilities Reporting**
NATIONAL	132	225
ALASKA	4	28
ALBUQUERQUE	10	17
BEMIDJI	4	6
BILLINGS	12	19
CALIFORNIA	14	21
GREAT PLAINS	16	32
NASHVILLE	20	24
NAVAJO	6	15
OKLAHOMA	17	22
PHOENIX	13	21
PORTLAND	15	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.