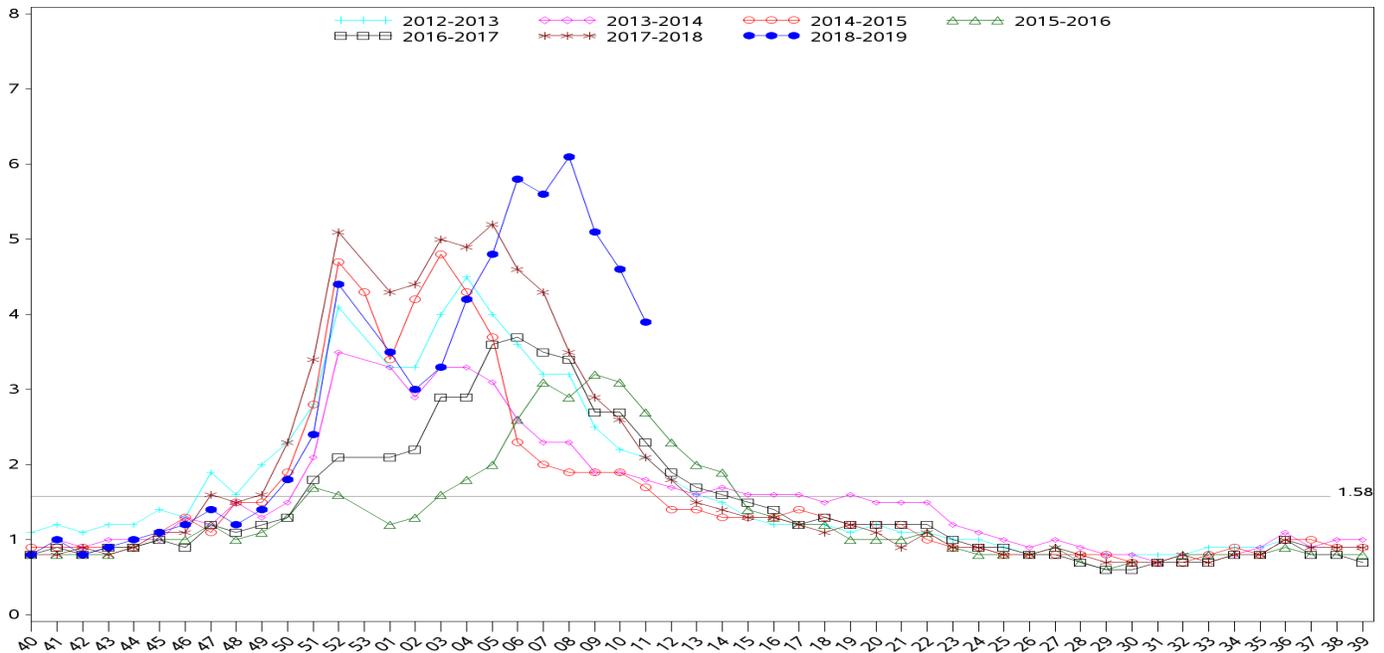




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 11: 03/10/2019 – 03/16/2019)

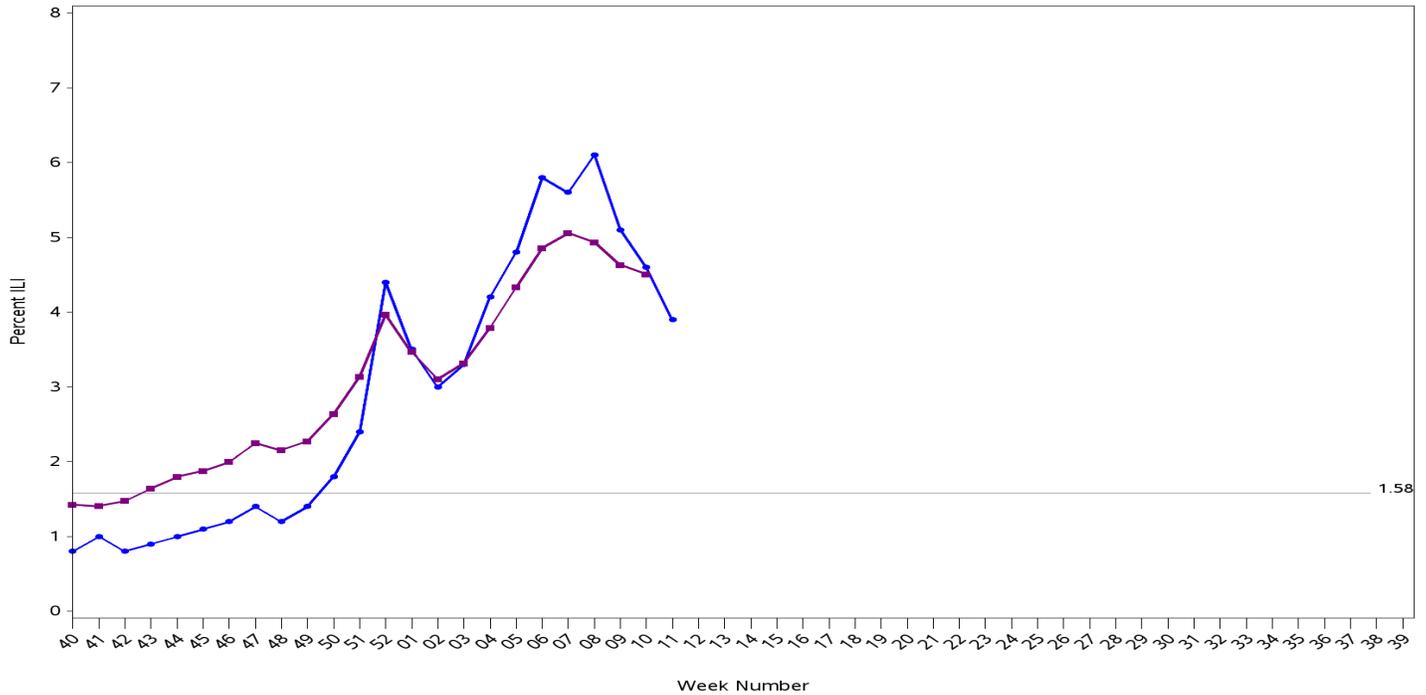
- Influenza-like-illness (ILI) activity in IHS is high at 3.9%, above the IHS baseline of 1.58%
 - All twelve IHS Areas reported having elevated ILI activity
- National ILI activity reported by CDC is high
 - CDC's ILINet ILI activity for week 10 was 4.5%, above the ILINet baseline (2.2%) and the IHS baseline (1.58%).
- To date, IHS has administered 309,476 doses of influenza vaccine.
- Overall, 35.6% 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 03/16/2019



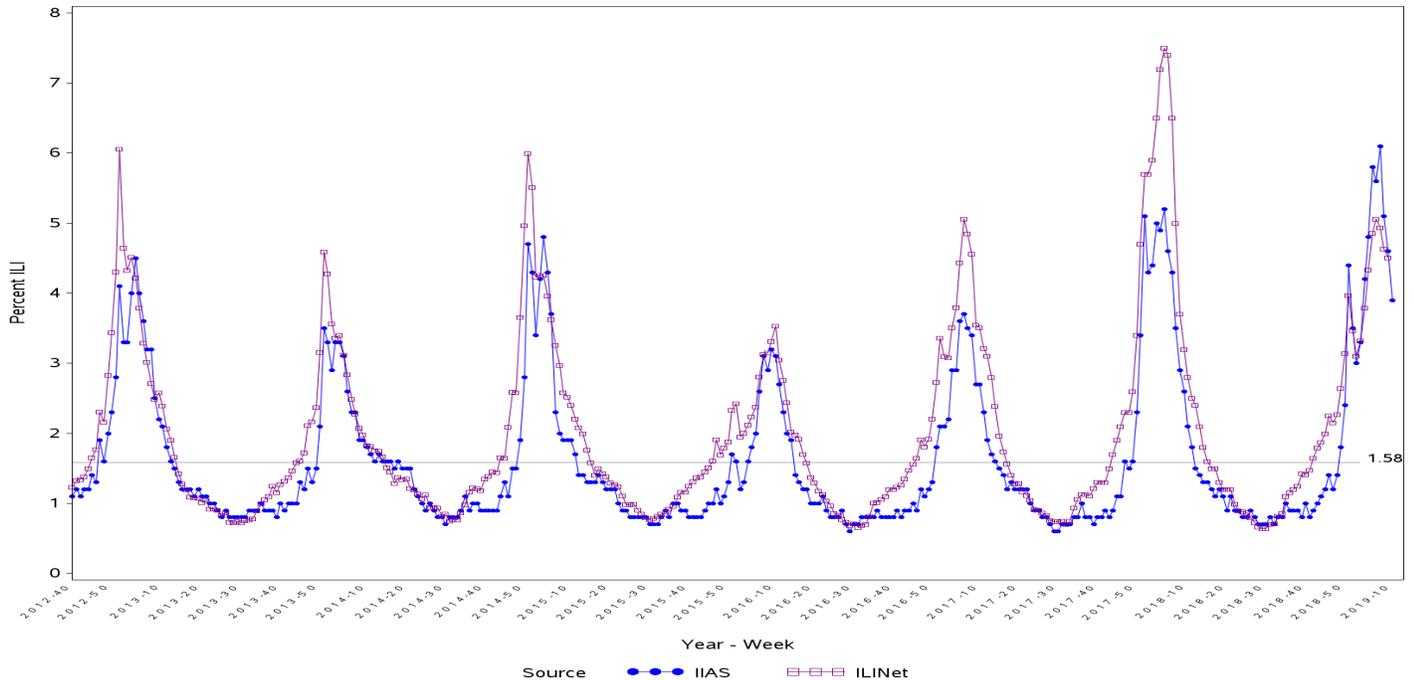
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous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

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
Percent ILI for Flu Year 2018 - 2019
IIAS vs. ILINet
09/30/2018 to 03/16/2019



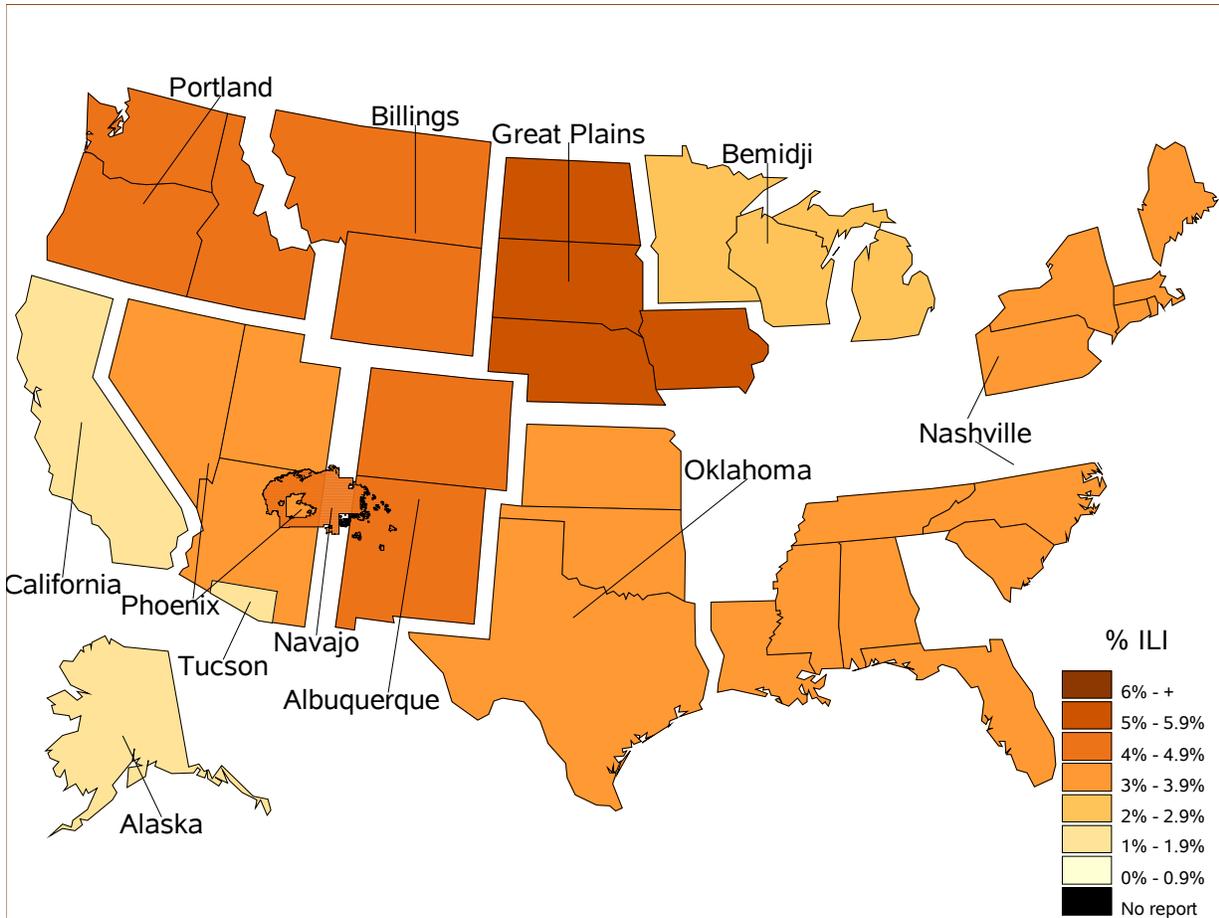
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 03/16/2019



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: 11**



% Visits for ILI Compared to Previous Week

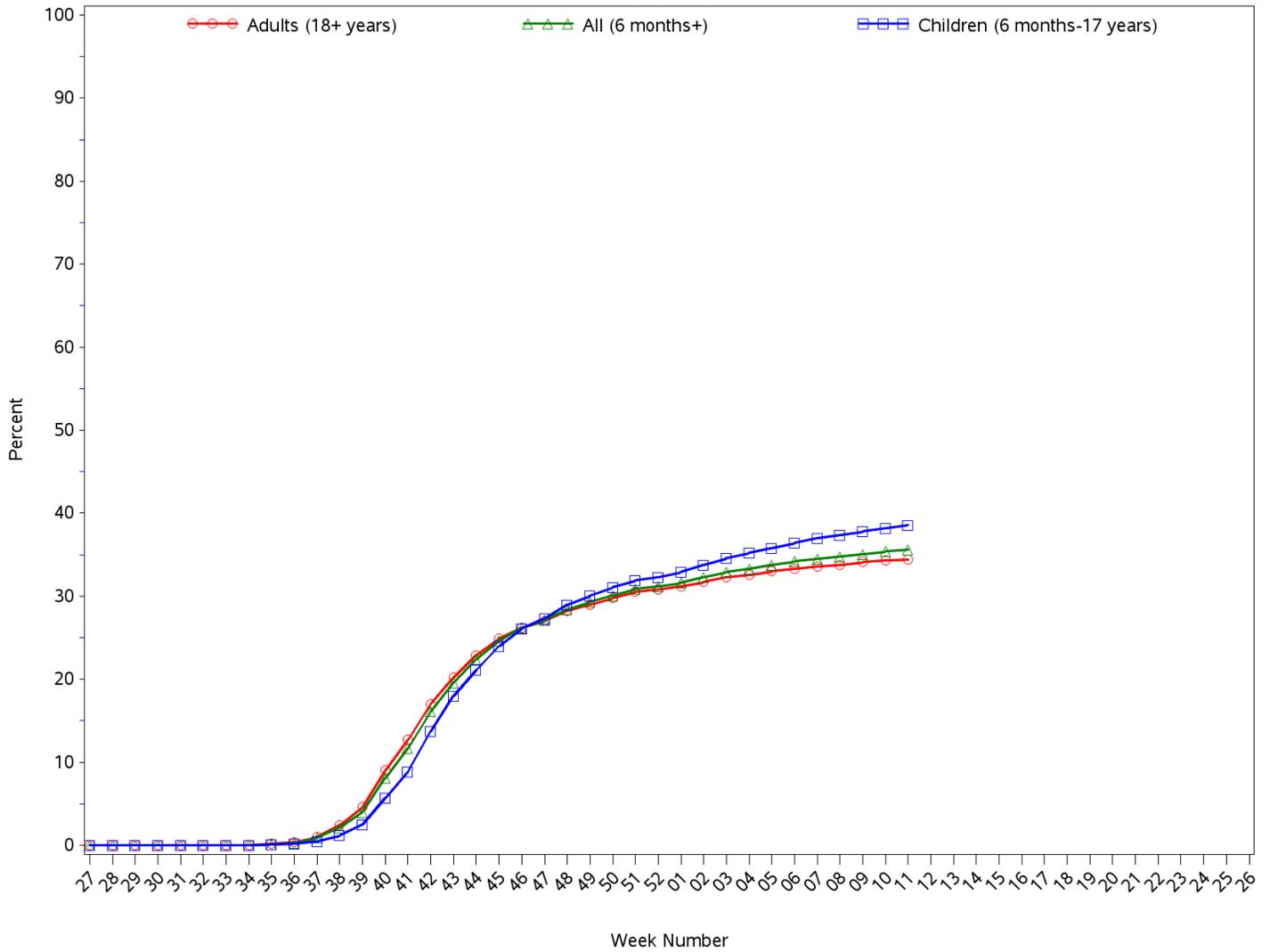
IHS Areas	Previous Week (10)	Current Week (11)
NATIONAL	4.6	3.9
ALASKA	5.9	1.7
ALBUQUERQUE	3.7	4.7
BEMIDJI	5.1	2.9
BILLINGS	6.4	4.9
CALIFORNIA	1.1	1.9
GREAT PLAINS	5.2	5.1
NASHVILLE	4.0	3.9
NAVAJO	5.1	4.2
OKLAHOMA	5.4	3.9
PHOENIX	3.9	3.3
PORTLAND	4.2	4.2
TUCSON	2.8	1.7

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

IHS Influenza Vaccination Surveillance

As of 03/16/2019, sites reporting to the IIAS have administered 309,476 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 03/16/2019



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	60	1.7	4	0.1	64
6 - 23 months	16,974	10,860	64.0	3,472	20.5	14,380
2 - 4 years	44,301	15,309	34.6	597	1.3	15,945
5 - 17 years	175,933	65,390	37.2	421	0.2	66,025
18 - 49 years	361,421	99,149	27.4	504	0.1	100,032
50 - 64 years	154,641	64,620	41.8	391	0.3	65,300
65 + years	96,346	47,094	48.9	367	0.4	47,794
Children (6 months-17 years)	237,208	91,559	38.6	4,490	1.9	96,350
Adults (18+ years)	612,408	210,863	34.4	1,262	0.2	213,126
All (6 months+)	849,616	302,422	35.6	5,752	0.7	309,476

* 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 HIV4pf 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	2,720	435	212	1	55	10	0	0	0	14	3,893
ALB	49	301	142	43	1,651	1	11,541	7,634	745	2,129	182	37	17	0	0	120	24,592
BEM	6	54	130	11	235	39	4,513	3,184	250	336	2	69	0	0	0	41	8,870
BIL	7	180	1,293	1	252	804	12,530	3,428	327	1	7	7	4	0	0	48	18,889
CAO	52	1,293	1,500	3	635	0	4,163	1,815	394	103	513	1	129	0	0	174	10,775
GPA	20	355	1,073	6	808	0	16,217	12,473	584	600	407	94	15	0	0	140	32,792
NSA	52	205	253	5	347	13	5,680	5,534	519	506	25	33	73	0	0	279	13,524
NAV	39	427	2,651	24	725	2	50,631	20,727	2,214	3	325	48	16	0	0	143	77,975
OKC	121	3,229	1,136	11	2,314	37	31,848	10,486	1,374	2,351	72	41	5	0	0	208	53,233
PHX	18	1,733	833	41	477	0	22,226	11,529	793	1,942	14	193	3	0	0	96	39,898
POR	40	264	613	69	254	160	9,685	4,925	517	500	191	419	280	0	0	70	17,987
TUC	3	57	34	4	1	0	7,923	109	13	0	0	4	0	0	0	44	8,192
	407	8,146	10,023	221	7,729	1,056	179,677	82,279	7,942	8,472	1,793	956	542	0	0	1,377	310,620

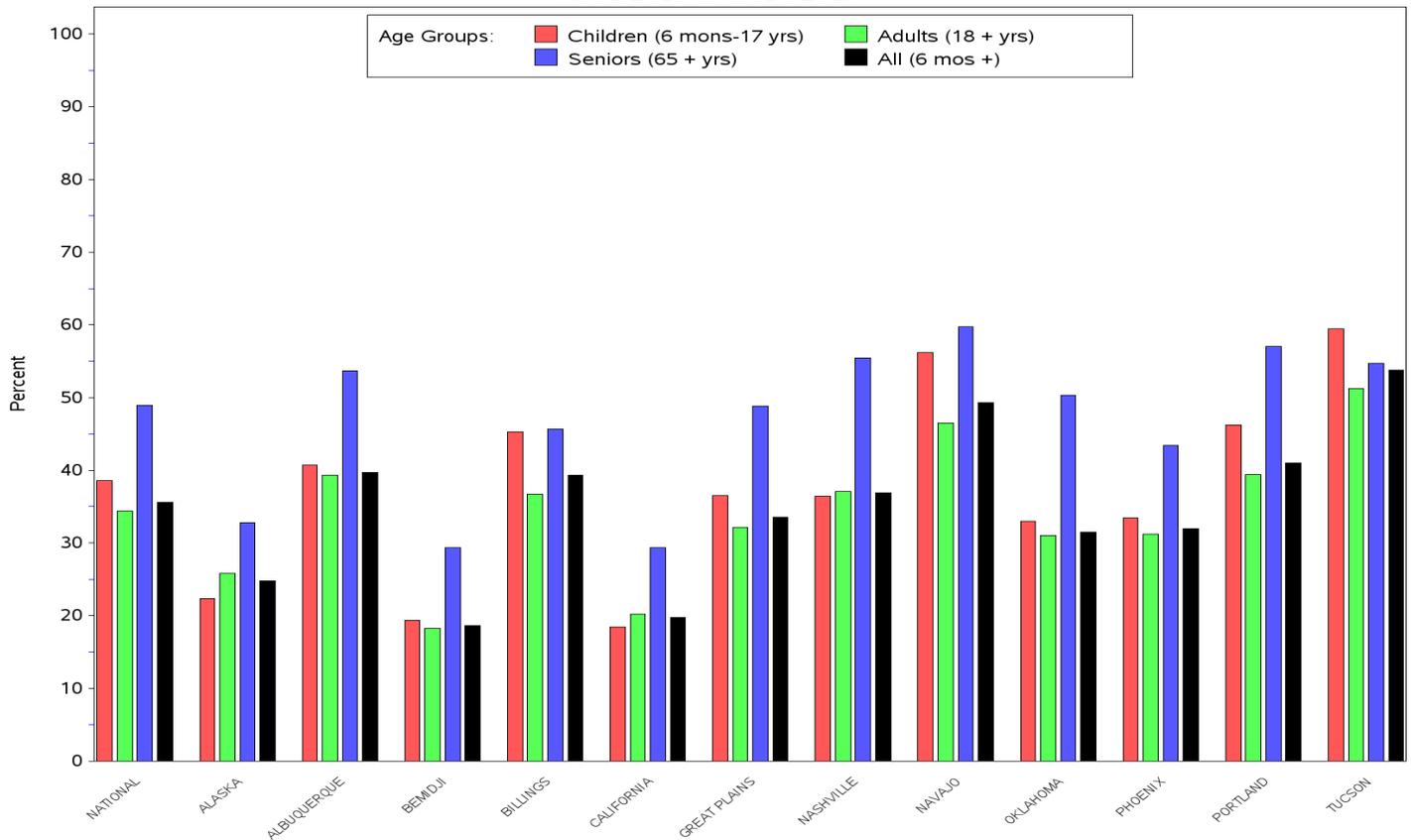
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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
07/01/2018 to 03/16/2019



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 03/16/2019

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mons+)
NATIONAL	38.6	34.4	48.9	35.6
ALASKA	22.4	25.8	32.8	24.8
ALBUQUERQUE	40.7	39.3	53.7	39.7
BEMIDJI	19.4	18.3	29.4	18.6
BILLINGS	45.3	36.7	45.7	39.3
CALIFORNIA	18.5	20.2	29.4	19.8
GREAT PLAINS	36.5	32.2	48.8	33.6
NASHVILLE	36.4	37.1	55.5	36.9
NAVAJO	56.2	46.5	59.7	49.3
OKLAHOMA	33.0	31.0	50.3	31.5
PHOENIX	33.5	31.2	43.4	32.0
PORTLAND	46.2	39.4	57.0	41.0
TUCSON	59.5	51.3	54.7	53.8

Number of RPMS Databases Reporting for Week 11, 2019

IHS Area	# of RPMS Databases Reporting*	# of Facilities Reporting**
NATIONAL	132	222
ALASKA	3	25
ALBUQUERQUE	10	17
BEMIDJI	4	6
BILLINGS	12	19
CALIFORNIA	14	21
GREAT PLAINS	16	31
NASHVILLE	21	25
NAVAJO	6	15
OKLAHOMA	16	20
PHOENIX	14	22
PORTLAND	15	17
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.